DATE 06/22/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000024658

APPLICANT GLENN KEEN PHONE 961.8223

ADDRESS 3003 SE COUNTY ROAD 245 LAKE CITY FL 32025

OWNER A&B MANAGEMENT LLC/J. KEEN & JTWRS PHONE 961.8223

ADDRESS 3003 SE COUNTY RD 245 LAKE CITY FL 32024

CONTRACTOR JASON ELIXSON PHONE 386.961.8223

LOCATION OF PROPERTY 90-E TO SR 100,TR TO C-245 TR GO 2 1/2 MILES TO S.D ON L &
IT'S @ THE CORNER OF YANKEE DR & C-245.

TYPE DEVELOPMENT SFD & UTILITY ESTIMATED COST OF CONSTRUCTION 73550.00

HEATED FLOOR AREA 1471.00 TOTAL AREA 1916.00 HEIGHT 16.20 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

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

PARCEL ID 14-4S-17-08354-116 SUBDIVISION PRICE CREEK LANDING

LOT 16 BLOCK PHASE UNIT TOTAL ACRES 0.50

000001126		CBC1250331		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
18"X32'MITERED	06-0521-N	BLK	JTH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD. SECTION 2.3.1:LEGAL NON-CONFORMING LOT OF RECORD.

Check # or Cash 1113

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by | Foundation _____ date/app. by | Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by | Slab _____ date/app. by | Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by | Rough-in plumbing above slab and below wood floor _____ date/app. by

Electrical rough-in _____ date/app. by | Heat & Air Duct _____ date/app. by | Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by | C.O. Final _____ date/app. by | Culvert _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by | Pool _____ date/app. by

Reconnection _____ date/app. by | Pump pole _____ date/app. by | Utility Pole _____ date/app. by

M/H Pole _____ date/app. by | Travel Trailer _____ date/app. by | Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 370.00 CERTIFICATION FEE $ 9.58 SURCHARGE FEE $ 9.58

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 489.16

INSPECTORS OFFICE CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

Revised 9-

For Office Use Only Application # CX606-55 Date Received 6/16 By JW Permit # 24658/113

Application Approved by - Zoning Official BLK Date 22.06.06 Plans Examiner OK JTH Date 6-22-06

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

Comments Section 2.3.1 Legal Non-conforming Lot of Record

Applicants Name Glenn Keen Fax: Phone 961-8223

Address 1534 SW DEKle Rd. LAKeCity, FL 32024

Owners Name Glenn Keen / John Keen / AE B Management Phone

911 Address 3003 SE / County Road 245 LAKecity, FL 32025

Contractors Name JASON ELIXSON Phone 961-8223

Address 1534 SW DEKle Rd LAKeCity, FL 32024

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address DAVID DISOWAY / MARK DISOWAY P.E. P.O. Box 86

Mortgage Lenders Name & Address N/A LAKecity, FL 32

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

Property ID Number 14-4S-17-08354-116 Estimated Cost of Construction 89,500.0

Subdivision Name Price Creek Landing Lot 16 Block Unit Phase

Driving Directions Go 90 EAST to st 100 south, turn right and go to CRol 2 turn right & go 2½ Miles out, subdivision on left, Corner of yankee Drive & Cpd. 245.

Type of Construction Residential Number of Existing Dwellings on Property 0

Total Acreage 1/2 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing

Actual Distance of Structure from Property Lines - Front 30' Side 25' Side 35' Rear 25'

Total Building Height 16'2" Number of Stories 1 Heated Floor Area 1471 Roof Pitch 6/12

PORCH 10 GARAGE 435 TOTAL 1916

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 standard 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 PAYIN TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YO LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Glenn L. Keen (KEEH FRAMING, Inc)
Owner Builder or Agent (including Contractor)

Contractor Signature

Contractors License Number CBC 1250 32

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Barry Coleman My Commission DD144884 Expires August 26, 2008

Sworn to (or affirmed) and subscribed before me this 15th day of JUNE 20 06.

Personally known ✓ or Produced Identification

Notary Signature

1113 - finishing

* JW left message 6.22.06

WARRANTY DEED

This Warranty Deed made and executed the 7th day of October A.D. 2005, by **SUBRANDY LIMITED PARTNERSHIP**, hereinafter called the grantor, to **A & B MANAGEMENT, L.L.C. AND JOHN W. KEEN, EACH AS TO AN UNDIVIDED ONE HALF INTEREST AS JOINT TENANTS WITH RIGHTS OF SURVIVORSHIP, AND NOT AS TENANTS IN COMMON,** Whose post office address is 1534 SW DEKLE ROAD, LAKE CITY, FL 32024, hereinafter called the grantee:

(Wherever used herein the terms "Grantor" and "Grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

Witnesseth: That the grantor, for the consideration of the sum of $ 10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

LOT 16, PRICE CREEK LANDING, a subdivision as recorded in Plat Book 5, Pages 98-98A, Columbia County, Florida, and subject to Restrictions recorded in O.R. Book 0628, Pages 0174-0176, and Restrictive Covenants recorded in O.R. Book 0862, Page 0329, Columbia County, Florida, and subject to Power Line Easment.

Together with all the tenements, hereditaments and appurtenances thereto belong or in any-wise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple: that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2000.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Nanci Nettles
Signature of witness
Nanci Nettles

Bradley N. Dicks L.S.
Bradley N. Dicks, General Partner
Subrandy Limited Partnership

Amy E. Lee
Signature of witness
Amy E. Lee

State of Florida
County of Columbia

I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, personally appeared Bradley N. Dicks, who is personally known to me to be the person described in and who executed the foregoing instrument, who was not required to furnish identification, and he acknowledged before me that he executed the same and who did not take an oath.

WITNESS my hand and official seal in the County and State last aforesaid this 7TH day of Octobber, A.D. 2005

Nanci Nettles

LOT 16, PRICE CREEK LANDING, a subdivision as recorded in Plat Book 5, Pages 98-98A, Columbia County, Florida, and subject to Restrictions recorded in O.R. Book 0628, Pages 0174-0176, and Restrictive Covenants recorded in O.R. Book 0862, Page 0329, Columbia County, Florida, and subject to Power Line Easment.

Together with all the tenements, hereditaments and appurtenances thereto belong or in any-wise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple: that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2000.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Nanci Nettles
Signature of witness
Nanci Nettles

Bradley N. Dicks L.S.
Bradley N. Dicks, General Partner
Subrandy Limited Partnership

Amy E. Lee
Signature of witness
Amy E. Lee

State of Florida
County of Columbia

I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, personally appeared Bradley N. Dicks, who is personally known to me to be the person described in and who executed the foregoing instrument, who was not required to furnish identification, and he acknowledged before me that he executed the same and who did not take an oath.

WITNESS my hand and official seal in the County and State last aforesaid this 7TH day of Octobber, A.D. 2005

Nanci Nettles
Notary Public, State of Florida

Inst:2005025031 Date:10/07/2005 Time:14:26
Doc Stamp-Deed : 63.00
DC,P.DeWitt Cason,Columbia County B:1061 P:404

This instrument prepared by: Bradley N. Dicks
Address: P.O. Box 513 Lake City, FL 32056

NANCI NETTLES
MY COMMISSION # DD 237895
EXPIRES: December 26, 2005
Bonded Thru Notary Public Underwriters

Lot 16

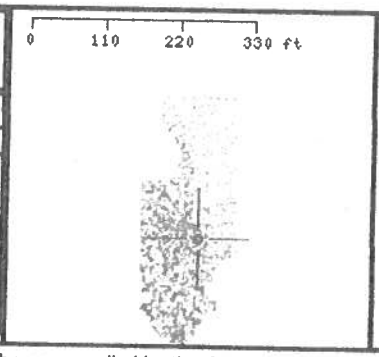
Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 14-4S-17-08354-116 - VACANT (000000)

LOT 16 PRICE CREEK LANDING ORB 790-068, 792-2458

Name:	SUBRANDY LIMITED PARTNERSHIP	LandVal	$9,500.00
Site:	LOT 16 PRICE CREEK	BldgVal	$0.00
Mail:	P O BOX 513 LAKE CITY, FL 32056	ApprVal	$9,500.00
Sales Info		JustVal	$9,500.00
		Assd	$9,500.00
		Exmpt	$0.00
		Taxable	$9,500.00



Subrandy Limited Partnership

June 16, 2006

To: Whom It May Concern

Re: Lot #16

This letter is to confirm that the lot (lot#16) located at 3003 SE CR 245, Lake City, Florida 32025 in Price Creek Landing does not have a well, but is supplied by a water system owned by Subrandy Limited Partnership.

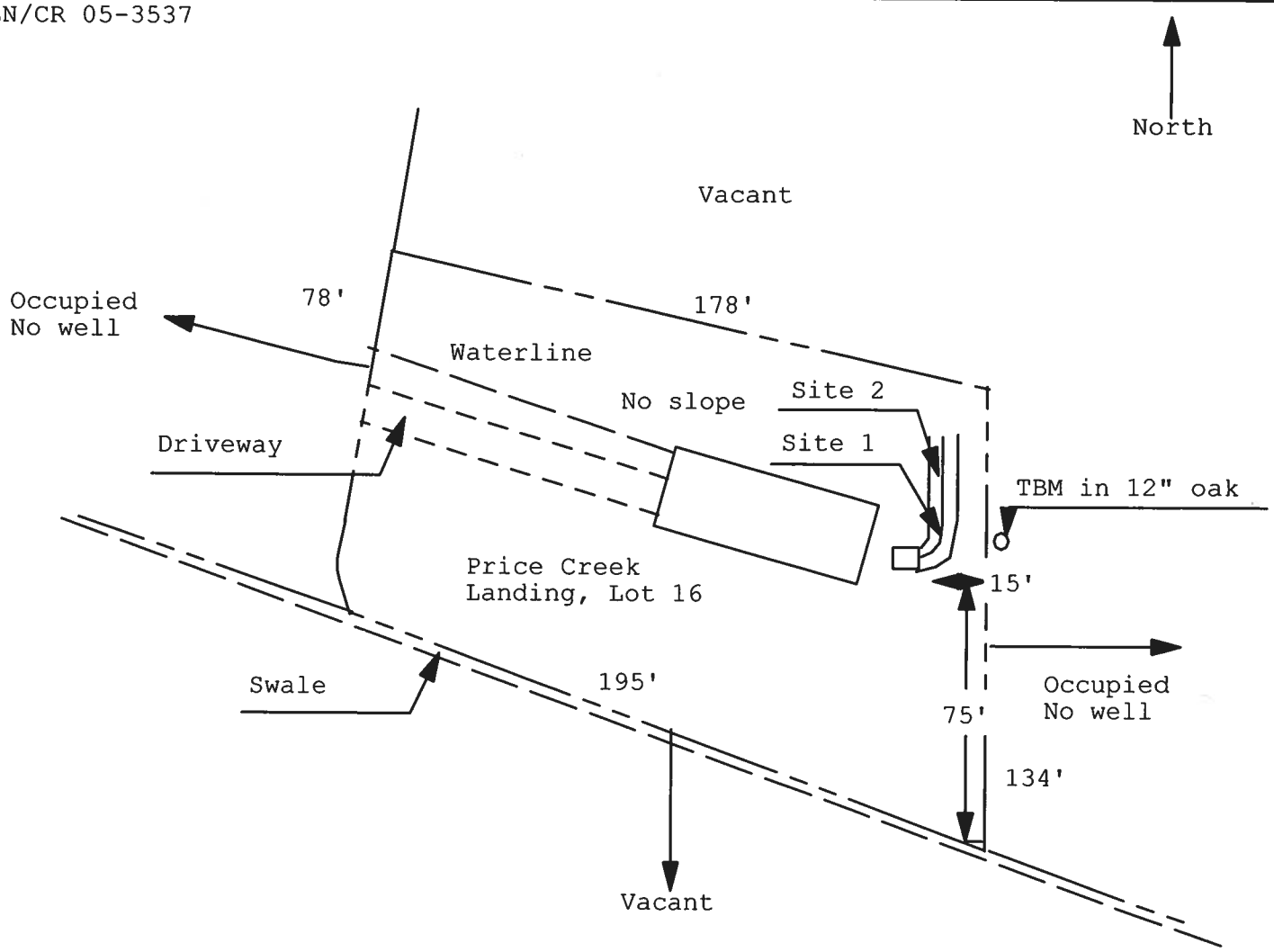
Thank you.

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 06-0521N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

KEEN/CR 05-3537



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd **Date** 5/19/06

Plan Approved ✓ **Not Approved** ____ **Date** 6/2/06

By [signature] Columbia **CPHU**

Notes: ____

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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

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

Tax Parcel ID Number 14-4S-17-08354-116 PERMIT NUMBER _____

1. Description of property: (legal description of the property and street address or 911 address)
3003 SE County Rd. 245
Lake City, FL 32025

2. General description of improvement: New Residential home 3Bedroom/2bath

3. Owner Name & Address John Keen / A&B Management
1534 SW DEKle Rd. Lakecity, FL 32024 Interest in Property _____

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

5. Contractor Name JASON Elixson / K&H Framing Phone Number (386) 961-8223
Address 1534 SW DEKle Rd. Lakecity, FL 32024

6. Surety Holders Name _____ Phone Number _____
Address _____
Amount of Bond NA

7. Lender Name _____ Phone Number _____
Address _____

8. Persons within the State of Florida designated by the Owner upon which notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes J.T.

Inst:2006014513 Date:06/16/2006 Time:08:59
DC,P.DeWitt Cason,Columbia County B:1086 P:2

Name _____
Address _____

9. In addition to himself/herself the owner designates _____ of _____ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) –
(a) 7. Phone Number of the designee _____

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

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

Sworn to (or affirmed) and subscribed before day of 15th June, 20 06

John W. K
Signature of Owner

NOTARY STAMP/SEAL

Barry Coleman
NOTARY PUBLIC STATE OF FLORIDA
My Commission DD144954
Expires August 28, 2009

Signature of Notary

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 ISSUED: November 22, 2005

ENHANCED 9-1-1 ADDRESS:

3003 SE COUNTY ROAD 245 (LAKE CITY, FL 32025)

Addressed Location 911 Phone Number: NOT AVAIL.

OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS:

PROPERTY APPRAISER PARCEL NUMBER: 14-4S-17-08354-116

Other Contact Phone Number (If any):

Building Permit Number (If known):

Remarks: LOT 16 PRICE CREEK LANDING S/D

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.

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

K & H Framing/Vinyl Siding, Inc.

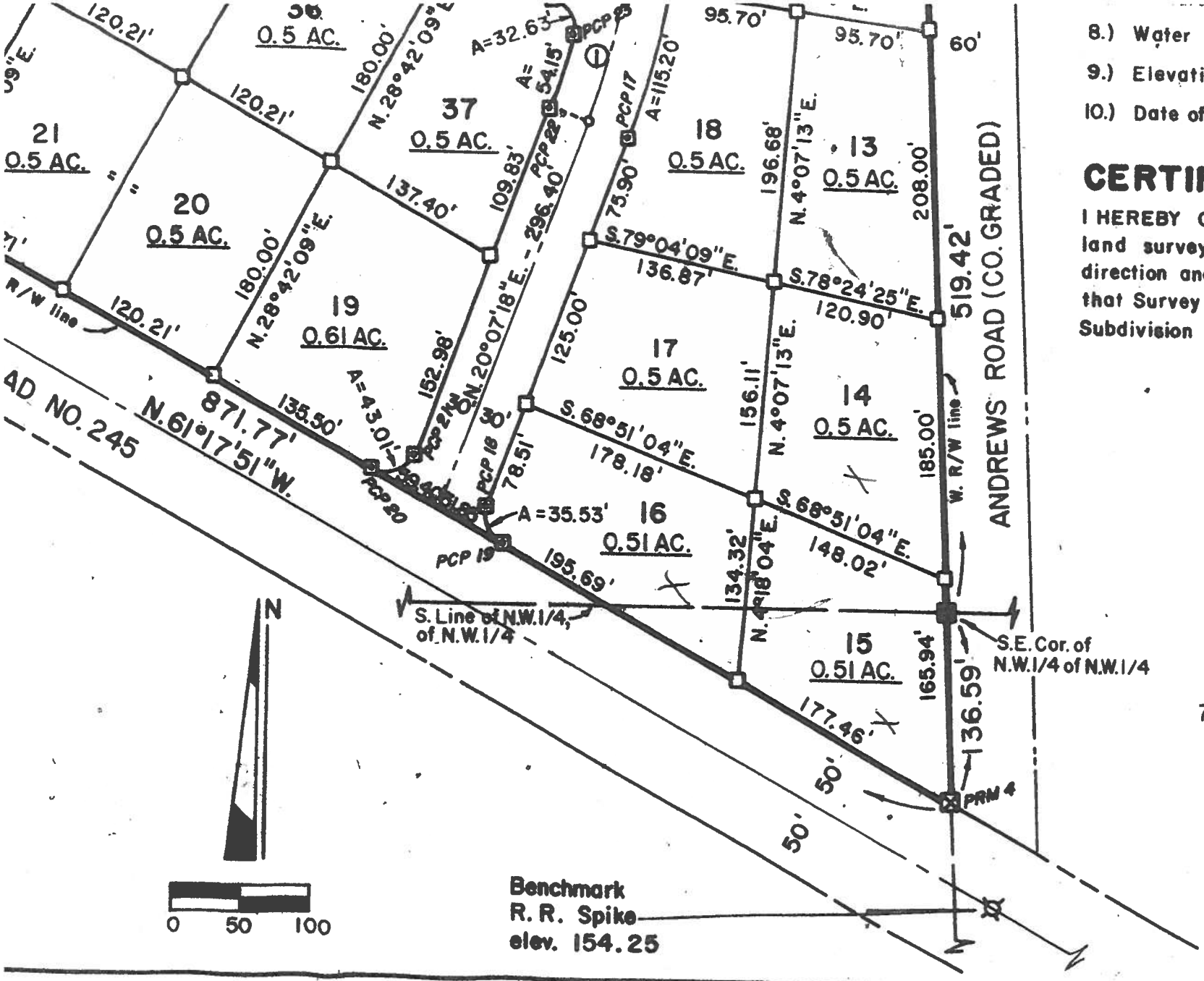
1534 S.W.Dekle Road
Lake City, Florida 32024
(386)961-8223

June 14, 2006

Re: Direction to 3003 S.E. CR 245

Go 90 East to State Road 100; Turn right and go ¼ of a mile to County Road 245. Turn right at traffic light onto CR 245 and go about 2 ½ mile. The subdivision is on the left; corner on Yankee Drive and CR245.

Thank you.



8.) Water Supply and Sew

9.) Elevations based on

10.) Date of Preliminary F

CERTIFICATIO

I HEREBY CERTIFY that land surveyed and shown direction and supervision, that Survey data and Mon Subdivision Ordinance an

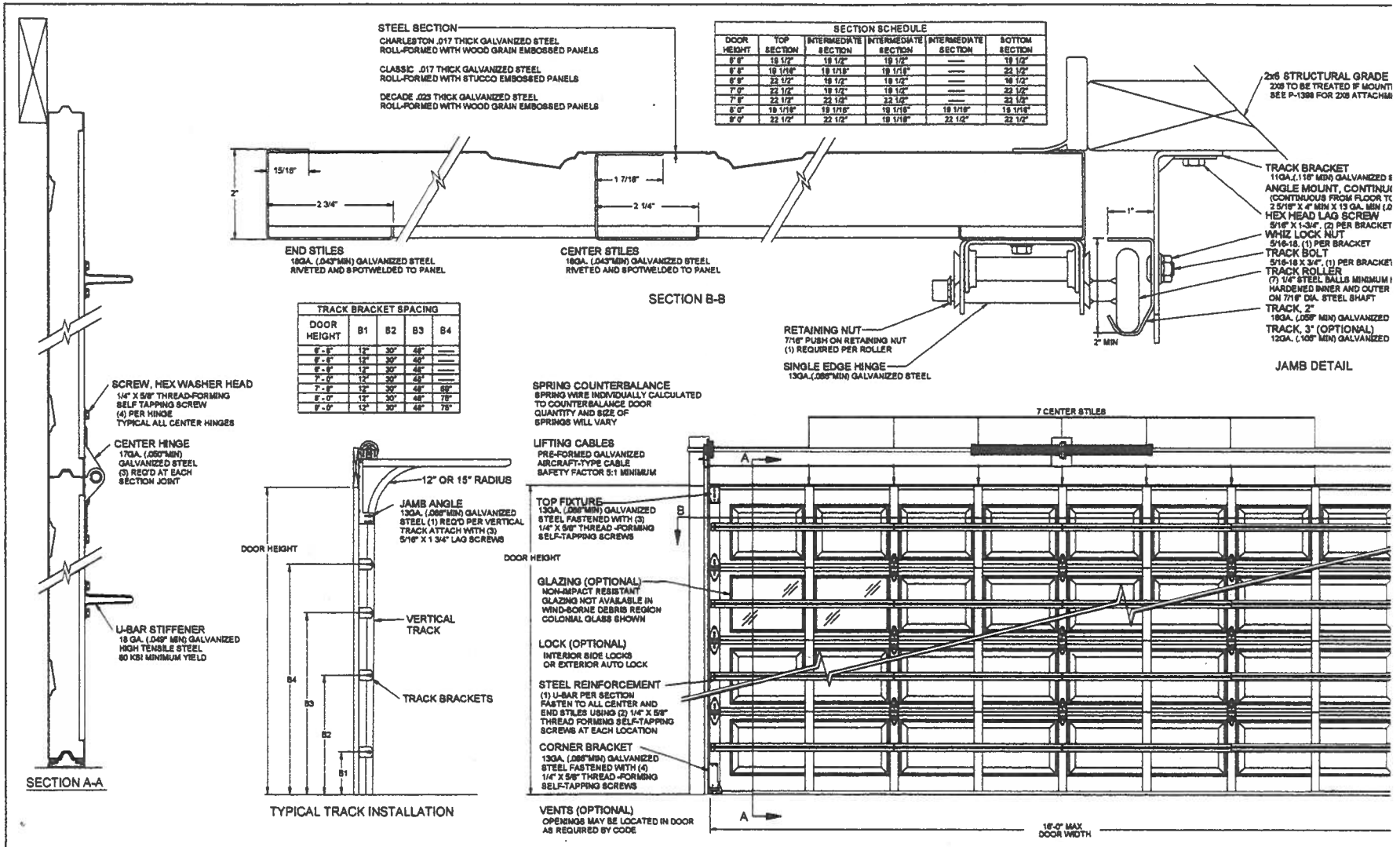
UTILITIES

Easements outside and 7.5' in width,

BUILDING

Building Setl 30' from R other lot lin

SHEE



DOORS TESTED PER ASTM E-330

QTY OF CENTER STILES	CHARLESTON, CLASSIC, DECADE					
	NO GLASS		COLONIAL GLASS		RANCH GLASS	
	PSF RATING		PSF RATING		PSF RATING	
	DESIGN +/-	TEST +/-	DESIGN +/-	TEST +/-	DESIGN +/-	TEST +/-
7	+18.3 - 20.4	+27.5 - 30.6	+18.3 - 20.4	+27.5 - 30.6	N/A	N/A

REV	DESCRIPTION	ECO	DATE
A	RELEASED FOR PRODUCTION	4719	07/13/04

SCALE FULL
DRAWN BY M. McCormick
CHECKED BY G. Wedekind
DATE 07/13/04
ECO 4719

RAYNOR
1101 EAST RIVER ROAD
DIXON, IL 61021

TITLE SPEC, WINDL
CHARLESTON
DECADE 16' W

NO. P-2342

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**604045K&HFraming**	Builder:	
Address:	**3003 SE CR 245**	Permitting Office:	Columbia
City, State:	**Lake City, FL 32025-**	Permit Number:	24658
Owner:		Jurisdiction Number:	221060
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 31.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	1471 ft²	13. Heating systems	
7. Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 31.0 kBtu/hr
a. U-factor: (or Single or Double DEFAULT)	7a. (Dble Default) 125.0 ft²		HSPF: 7.00
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 125.0 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 186.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.93
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 943.0 ft²	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
b. Frame, Wood, Adjacent	R=13.0, 348.0 ft²	15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 1531.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 130.0 ft		
b. N/A			

Glass/Floor Area: 0.08	Total as-built points: 21572 Total base points: 23386	PASS

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

PREPARED BY: Ben Smith

DATE: 5-10-06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **3003 SE CR 245, Lake City, 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	1471.0	20.04	5306.2	Double, Clear	N	1.5	5.5	45.0	19.20	0.93	802.0	
				Double, Clear	E	1.5	3.5	6.0	42.06	0.78	195.7	
				Double, Clear	S	1.5	0.0	40.0	35.87	0.43	619.7	
				Double, Clear	S	1.5	5.5	20.0	35.87	0.83	597.0	
				Double, Clear	S	1.5	3.0	8.0	35.87	0.66	189.3	
				Double, Clear	W	1.5	3.5	6.0	38.52	0.78	180.0	
				As-Built Total:				**125.0**			**2583.6**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	348.0	0.70	243.6	Frame, Wood, Exterior			13.0	943.0	1.50		1414.5	
Exterior	943.0	1.70	1603.1	Frame, Wood, Adjacent			13.0	348.0	0.60		208.8	
Base Total:	**1291.0**		**1846.7**	**As-Built Total:**				**1291.0**			**1623.3**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	20.0	1.60	32.0	Exterior Insulated				40.0	4.10		164.0	
Exterior	40.0	4.10	164.0	Adjacent Insulated				20.0	1.60		32.0	
Base Total:	**60.0**		**196.0**	**As-Built Total:**				**60.0**			**196.0**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1471.0	1.73	2544.8	Under Attic			30.0	1531.0	1.73 X 1.00		2648.6	
Base Total:	**1471.0**		**2544.8**	**As-Built Total:**				**1531.0**			**2648.6**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	186.0(p)	-37.0	-6882.0	Slab-On-Grade Edge Insulation			0.0	186.0(p	-41.20		-7663.2	
Raised	0.0	0.00	0.0									
Base Total:			**-6882.0**	**As-Built Total:**				**186.0**			**-7663.2**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1471.0	10.21	15018.9					1471.0	10.21		15018.9	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **3003 SE CR 245, Lake City, FL, 32025-** PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 18030.6			**Summer As-Built Points:**					**14407.3**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 31000 btuh ,SEER/EFF(10.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
			14407	1.00	(1.09 x 1.147 x 0.91)	0.341	1.000	5594.3
18030.6	**0.4266**	**7691.9**	**14407.3**	**1.00**	**1.138**	**0.341**	**1.000**	**5594.3**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **3003 SE CR 245, Lake City, 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	1471.0	12.74	3373.3	Double, Clear	N	1.5	5.5	45.0	24.58	1.00	1109.3
				Double, Clear	E	1.5	3.5	6.0	18.79	1.09	123.3
				Double, Clear	S	1.5	0.0	40.0	13.30	3.66	1946.8
				Double, Clear	S	1.5	5.5	20.0	13.30	1.15	305.1
				Double, Clear	S	1.5	3.0	8.0	13.30	1.64	174.4
				Double, Clear	W	1.5	3.5	6.0	20.73	1.07	132.6
				As-Built Total:				**125.0**			**3791.5**

WALL TYPES	Area X	BWPM =	Points	Type	R-Value	Area X	WPM =	Points
Adjacent	348.0	3.60	1252.8	Frame, Wood, Exterior	13.0	943.0	3.40	3206.2
Exterior	943.0	3.70	3489.1	Frame, Wood, Adjacent	13.0	348.0	3.30	1148.4
Base Total:	**1291.0**		**4741.9**	**As-Built Total:**		**1291.0**		**4354.6**

DOOR TYPES	Area X	BWPM =	Points	Type	Area X	WPM =	Points
Adjacent	20.0	8.00	160.0	Exterior Insulated	40.0	8.40	336.0
Exterior	40.0	8.40	336.0	Adjacent Insulated	20.0	8.00	160.0
Base Total:	**60.0**		**496.0**	**As-Built Total:**	**60.0**		**496.0**

CEILING TYPES	Area X	BWPM =	Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	1471.0	2.05	3015.6	Under Attic	30.0	1531.0	2.05 X	1.00	3138.6
Base Total:	**1471.0**		**3015.6**	**As-Built Total:**		**1531.0**			**3138.6**

FLOOR TYPES	Area X	BWPM =	Points	Type	R-Value	Area X	WPM =	Points
Slab	186.0(p)	8.9	1655.4	Slab-On-Grade Edge Insulation	0.0	186.0(p	18.80	3496.8
Raised	0.0	0.00	0.0					
Base Total:			**1655.4**	**As-Built Total:**		**186.0**		**3496.8**

INFILTRATION	Area X	BWPM =	Points	Area X	WPM =	Points
	1471.0	-0.59	-867.9	1471.0	-0.59	-867.9

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **3003 SE CR 245, Lake City, FL, 32025-** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**12414.3**	**Winter As-Built Points:**					**14409.5**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 31000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
			14409.5	1.000	(1.069 x 1.169 x 0.93)	0.487	1.000	8158.0
12414.3	**0.6274**	**7788.7**	**14409.5**	**1.00**	**1.162**	**0.487**	**1.000**	**8158.0**

FORM 600A-2004 EnergyGauge® 4.1

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **3003 SE CR 245, Lake City, 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		2635.00	7905.0	40.0	0.93	3	1.00	2606.67	1.00	7820.0	
				As-Built Total:						**7820.0**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
7692	**7789**	**7905**	**23386**	**5594**	**8158**	**7820**	**21572**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **3003 SE CR 245, Lake City, 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 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.6

The higher the score, the more efficient the home.

, 3003 SE CR 245, Lake City, FL, 32025-

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family	a.	Central Unit	Cap: 31.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 10.00
4.	Number of Bedrooms	3	b.	N/A	
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	1471 ft²	c.	N/A	
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)				
a.	U-factor:	Description Area	13.	Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble Default) 125.0 ft²	a.	Electric Heat Pump	Cap: 31.0 kBtu/hr
b.	SHGC:				HSPF: 7.00
	(or Clear or Tint DEFAULT) 7b.	(Clear) 125.0 ft²	b.	N/A	
8.	Floor types				
a.	Slab-On-Grade Edge Insulation	R=0.0, 186.0(p) ft	c.	N/A	
b.	N/A				
c.	N/A		14.	Hot water systems	
9.	Wall types		a.	Electric Resistance	Cap: 40.0 gallons
a.	Frame, Wood, Exterior	R=13.0, 943.0 ft²			EF: 0.93
b.	Frame, Wood, Adjacent	R=13.0, 348.0 ft²	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, 1531.0 ft²	15.	HVAC credits	
b.	N/A			(CF-Ceiling fan, CV-Cross ventilation,	
c.	N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
a.	Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 130.0 ft		MZ-C-Multizone cooling,	
b.	N/A			MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

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

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

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

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001126

DATE 06/22/2006 PARCEL ID # 14-4S-17-08354-116

APPLICANT GLENN KEEN PHONE 961.8223

ADDRESS 1534 SW DEKLE ROAD LAKE CITY FL 32024

OWNER A&B MANAGEMENT,LLC./J. KEEN & JTWRS PHONE 961.8223

ADDRESS 3003 DE COUNTY ROAD 245 LAKE CITY FL 32025

CONTRACTOR JASON ELIXSON PHONE 961.8223

LOCATION OF PROPERTY 90-E TO SR 100,TR TO C-245,TR TO 2 1/2 MILES TO PRICE CREEK S.D ON L, AND IT'S @ TH CORNER OF YANKEE DRIVE & C-245

SUBDIVISION/LOT/BLOCK/PHASE/UNIT PRICE CREEK LANDING 16

SIGNATURE ✓ G. L. K

INSTALLATION REQUIREMENTS

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

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

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

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

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

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

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

K & H Framing/Vinyl Siding, Inc.

1534 S.W.Dekle Road
Lake City, Florida 32024
(386)961-8223

June 21, 2006

Application # 0606-55

Re: Jason Elixson/K&H Framing/Vinyl Siding, Inc./A & B Management LLC

This letter is to inform that the attic stairs case in the garage will be omitted and replaced with drywall and trim on Lot #16 located in Price Creek Landing.

Thank you,

Glenn L. Keen
President of K&H Framing/Vinyl Siding, Inc.

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

Reference to a building permit application Number: 0606-55

Contractor: Jason Elixson Owner A&B Management Lot 16 of Price Creek Landing

On the date of June 21, 2006 application 0606-55 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 0606-55 when making reference to this application.

This is a plan review for compliance with the Florida Residential Code 2004 only and doesn't make any consideration toward the land use and zoning requirements.

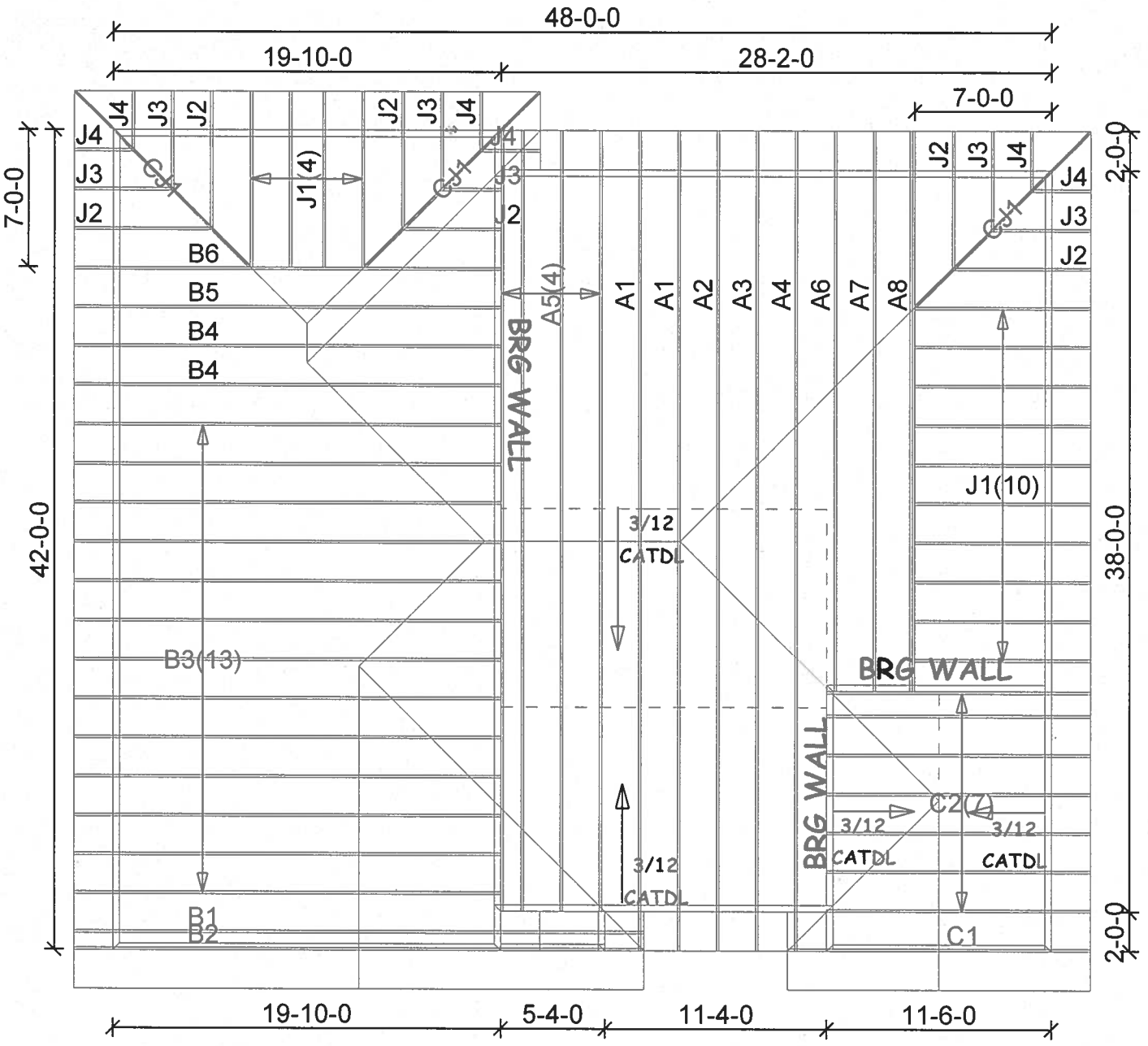
To help ensure compliance with the Florida Residential Code 2004 the comments below need to be addressed on the plans.

1. The attic access opening (pull down ladder type attic egress door) in the garage ceiling shall have the same protection requirements of FRC-2004 C: R309.2 Separation

required. The garage shall be separated from the residence and its attic area by not less than ½-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch (15.9 mm) Type X gypsum board or equivalent. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than ½-inch (12.7 mm) gypsum board or equivalent. Other openings between the garage and residence shall be equipped with solid wood doors not less than 13/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 13/8 inches (35 mm) thick, or 20-minute fire-rated doors. Please provide the method to bring this attic egress door into compliance with the Florida Residential Code.

Joe Haltiwanger

Plan Examiner
Columbia County Building Department



Mayo Truss Co. Inc. 362 NE CLYDE AVE. MAYO, FL 32066 (386)294-3988 (877)-558-6262	K & H FRAMING KEEN II MODEL 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: CONTRACTORS Job: KH-KEENII Designer: A. HIGHSMITH Checker: M.MURRAY Date: 05-01-06

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:KH-KEENII - KEEN II MODEL

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		Specification Quantity
T06043125	04/28/2006	FBC - 2004 Chapter 16 and 23	16

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	04/28/06	A1	2	04/28/06	A2	3	04/28/06	A3	4	04/28/06	A4
5	04/28/06	A5	6	04/28/06	A6	7	04/28/06	A7	8	04/28/06	A8
9	04/28/06	B1	10	04/28/06	B2	11	04/28/06	B3	12	04/28/06	B4
13	04/28/06	B5	14	04/28/06	B6	15	04/28/06	C1	16	04/28/06	C2

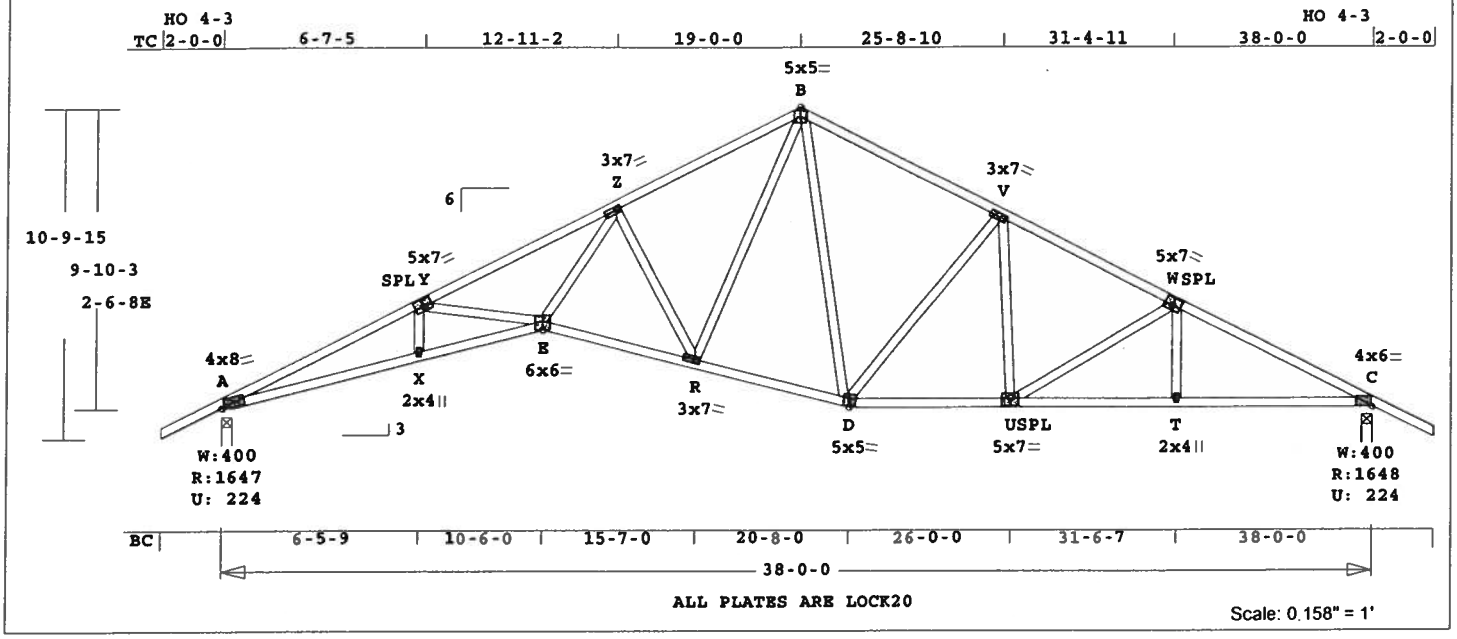
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682

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

Date Sealed: 4/28/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-KEENII	A1	2	SP	380000	6	2- 0- 0	2- 0- 0	T06043125

U# J#KH-KEENII KEEN II MODEL



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 268.6 LBS

Online Plus -- Version 19.0.018
RUN DATE: 27-APR-06

	CSI	-Size-	----Lumber----
TC	0.54	2x 4	SP-#2
EX Y -B		2x 4	SP-#1
BC	0.77	2x 4	SP-#2
EX A -E		2x 4	SP-#1
WB	0.67	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.		0- 0- 0	38- 0- 0
BC Cont.		0- 0- 0	38- 0- 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	Req'd In-Sx
A	1648	225	4- 0	1-15
			Hz =	-204
C	1648	225	4- 0	1-15
			Hz =	204

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -Y	0.54	5057	C	0.18	0.36
Y -Z	0.85	4605	C	0.33	0.52
Z -B	0.37	2345	C	0.02	0.35
B -V	0.49	1803	C	0.05	0.44
V -W	0.47	2301	C	0.03	0.44
W -C	0.38	2771	C	0.10	0.28
Bottom Chords					
A -X	0.88	4633	T	0.61	0.27
X -E	0.91	4673	T	0.61	0.30
E -R	0.77	2876	T	0.48	0.29
R -D	0.45	1616	T	0.27	0.18
D -U	0.50	2051	T	0.34	0.16
U -T	0.49	2478	T	0.41	0.08
T -C	0.50	2478	T	0.41	0.09
Webs					
X -Y	0.01	76	T		
Y -E	0.08	386	C		
E -Z	0.44	2415	T		
Z -R	0.67	1555	C		
R -B	0.25	1366	T		
B -D	0.07	277	T		
D -V	0.55	694	C		
V -U	0.06	397	T		
U -W	0.24	477	C		
T -W	0.03	231	T		

TL Defl -0.74" in E -R L/605
LL Defl -0.36" in E -R L/999

Hz Disp	LL	DL	TL
Jt C	0.19"	0.19"	0.38"

Shear // Grain in B -V 0.26

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	Ctr	0.3	0.91
Y	LOCK	5.0x 7.0	-0.2	0.5	0.76
Z	LOCK	3.0x 7.0	-1.5	-0.8	0.97
B	LOCK	5.0x 5.0	Ctr	Ctr	0.76
V	LOCK	3.0x 7.0	Ctr	Ctr	0.45
W	LOCK	5.0x 7.0	0.2	0.5	0.76
C	LOCK	4.0x 6.0	Ctr	0.1	0.72
X	LOCK	2.0x 4.0	Ctr	Ctr	0.46
E	LOCK	6.0x 6.0	Ctr	-0.6	0.80
R	LOCK	3.0x 7.0	-1.4	0.4	0.98
D	LOCK	5.0x 5.0	0.3	2.8	0.90
U	LOCK	5.0x 7.0	Ctr	-0.5	0.77
T	LOCK	2.0x 4.0	Ctr	Ctr	0.46

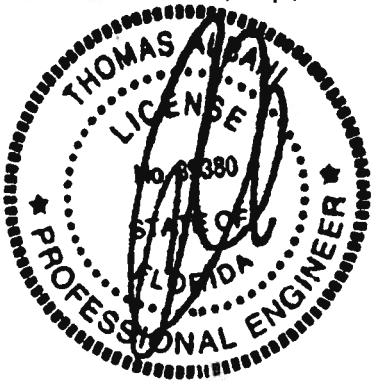
REVIEWED BY:
Robbins Engineering, Inc.

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
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 5057 Lbs
Quality Control Factor 1.25

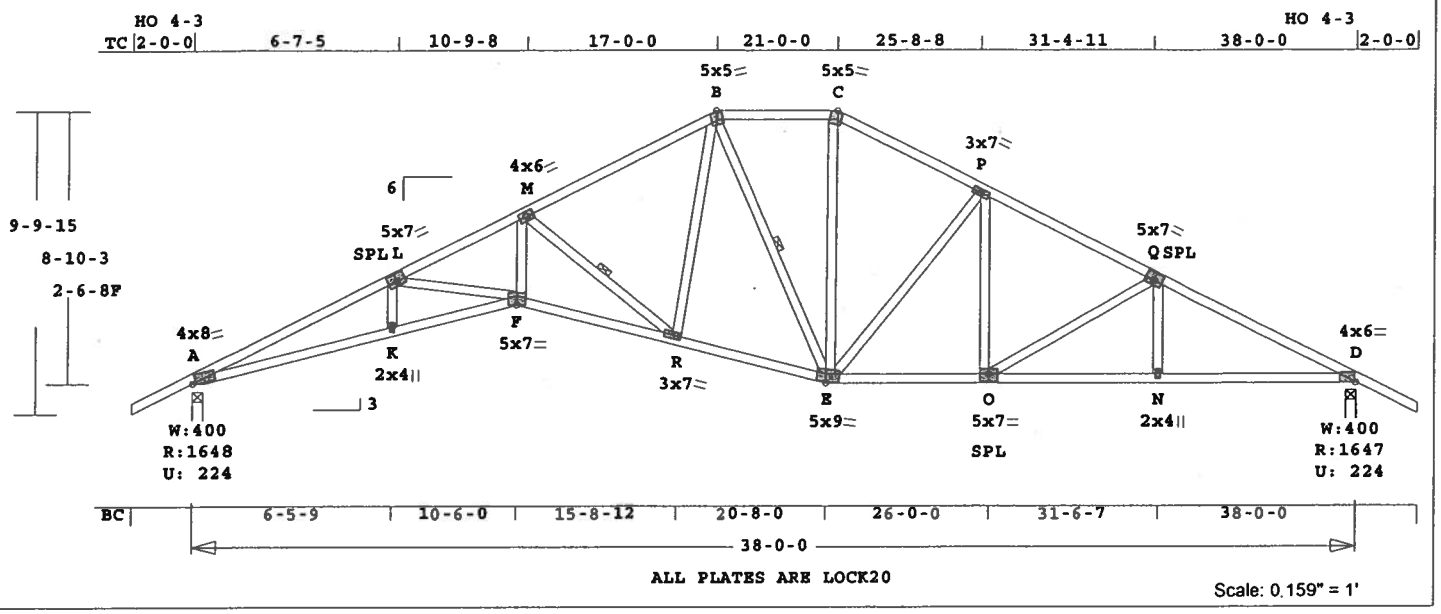
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 4/28/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-KEENII	A2	1	SP	380000	6	2- 0- 0	2- 0- 0	T06043125

U# J#KH-KEENII KEEN II MODEL



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 277.4 LBS

Online Plus -- Version 19.0.018
RUN DATE: 27-APR-06

	CSI	-Size-	----Lumber----
TC	0.77	2x 4	SP-#2
BC	0.78	2x 4	SP-#2
EX A -F		2x 4	SP-#1
WB	0.48	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	38- 0- 0
BC Cont.	0- 0- 0	38- 0- 0

WB 1 rows CLB on M -R
WB 1 rows CLB on B -E
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 In-Sx	Req'd In-Sx
A	1648	225	4- 0	1-15
			Hz =	-182
D	1648	225	4- 0	1-15
			Hz =	183

Membr	CSI	P Lbs	Axl	CSI-Bnd
----------Top Chords----------				
A -L	0.77	5053	C	0.37 0.40
L -M	0.41	4635	C	0.14 0.27
M -B	0.45	2304	C	0.09 0.36
B -C	0.18	1643	C	0.01 0.17
C -P	0.26	1838	C	0.02 0.24
P -Q	0.31	2291	C	0.03 0.28
Q -D	0.36	2775	C	0.10 0.26
--------Bottom Chords---------				
A -K	0.83	4622	T	0.60 0.23
K -F	0.78	4643	T	0.61 0.17
F -R	0.78	4179	T	0.70 0.08
R -E	0.40	1923	T	0.32 0.08
E -O	0.42	2047	T	0.34 0.08
O -N	0.49	2481	T	0.41 0.08
N -D	0.50	2481	T	0.41 0.09
------------Webs------------				
K -L	0.02	135	T	
L -F	0.07	339	C	
F -M	0.42	2305	T	
M -R	0.40	2566	C	1 Br
R -B	0.21	1187	T	
B -E	0.15	517	C	1 Br
E -C	0.10	577	T	
E -P	0.48	628	C	
O -P	0.06	411	T	
O -Q	0.26	501	C	
N -Q	0.03	232	T	

TL Defl -0.70" in F -R L/639
LL Defl -0.35" in K -F L/999

Hz Disp	LL	DL	TL
Jt D	0.20"	0.20"	0.40"

Shear // Grain in A -L 0.26

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	Ctr	0.3	0.91
L	LOCK	5.0x 7.0	-0.2	0.5	0.76
M	LOCK	4.0x 6.0	Ctr	Ctr	0.95
B	LOCK	5.0x 5.0	0.3	-3.2	0.99
C	LOCK	5.0x 5.0	-0.7	-3.0	0.66
P	LOCK	3.0x 7.0	Ctr	Ctr	0.46
Q	LOCK	5.0x 7.0	0.2	0.5	0.76
D	LOCK	4.0x 6.0	Ctr	0.1	0.72
K	LOCK	2.0x 4.0	Ctr	Ctr	0.46
F	LOCK	5.0x 7.0	Ctr	-1.1	0.84
R	LOCK	3.0x 7.0	Ctr	Ctr	0.81
E	LOCK	5.0x 9.0	0.9	3.0	0.68
O	LOCK	5.0x 7.0	Ctr	-0.5	0.77
N	LOCK	2.0x 4.0	Ctr	Ctr	0.46

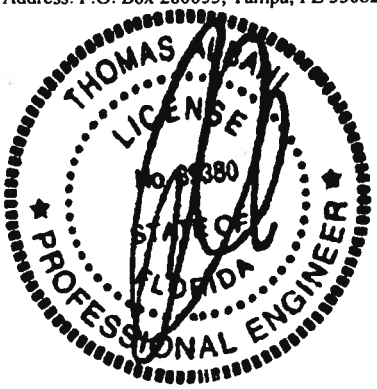
REVIEWED BY:
Robbins Engineering, Inc.

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
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 5053 Lbs
Quality Control Factor 1.25

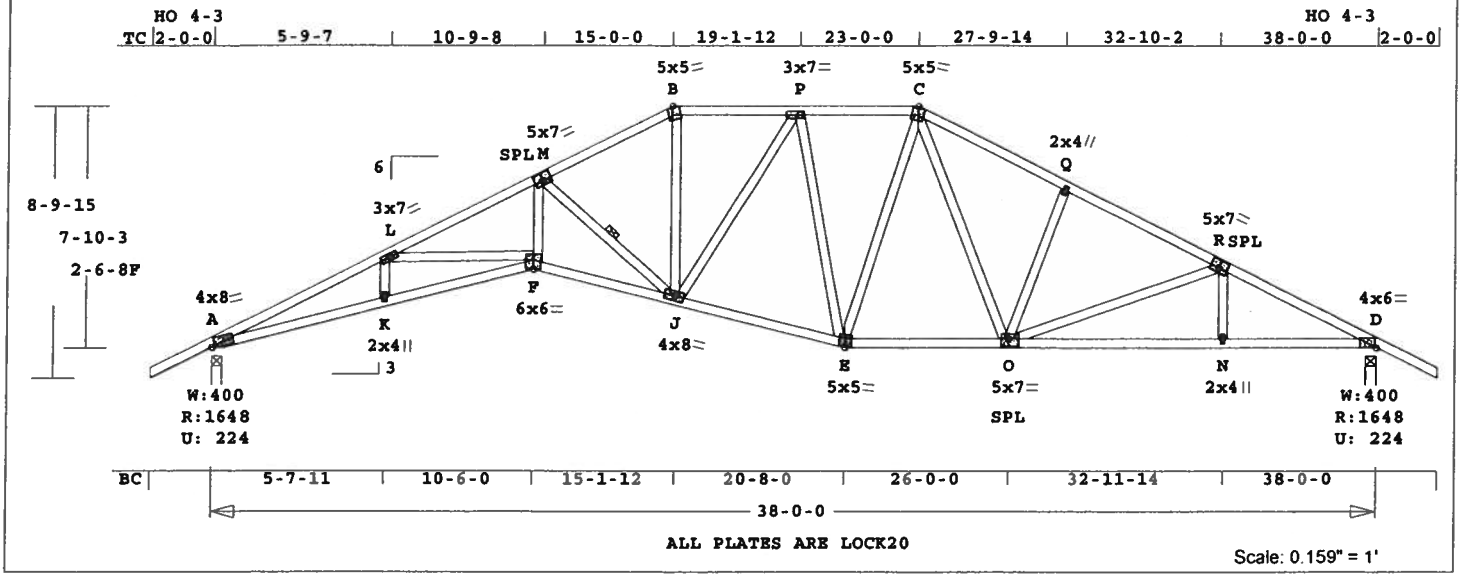
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 4/28/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-KEENII	A3	1	SP	380000	6	2- 0- 0	2- 0- 0	T06043125

U# J#KH-KEENII KEEN II MODEL



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 282.8 LBS

Online Plus -- Version 19.0.018
RUN DATE: 27-APR-06

	CSI	-Size-	----Lumber----
TC	0.63	2x 4	SP-#2
BC	0.76	2x 4	SP-#2
EX	A -F	2x 4	SP-#1
WB	0.46	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	38- 0- 0
BC	Cont.	0- 0- 0	38- 0- 0

WB 1 rows CLB on M -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	In-Sx
A	1648	225	4- 0	1-15
			Hz =	-160
D	1648	225	4- 0	1-15
			Hz =	161

Membr	CSI	P Lbs	Axl	CSI	Bnd
----------Top Chords----------					
A -L	0.56	5109	C	0.18	0.38
L -M	0.63	4588	C	0.24	0.39
M -B	0.23	2477	C	0.04	0.19
B -P	0.17	2218	C	0.03	0.14
P -C	0.16	1869	C	0.02	0.14
C -Q	0.28	2268	C	0.03	0.25
Q -R	0.28	2375	C	0.03	0.25
R -D	0.24	2853	C	0.05	0.19
--------Bottom Chords---------					
A -K	0.88	4670	T	0.61	0.27
K -F	0.82	4691	T	0.61	0.21
F -J	0.76	4172	T	0.69	0.07
J -E	0.41	2055	T	0.34	0.07
E -O	0.44	1801	T	0.30	0.14
O -N	0.56	2546	T	0.42	0.14
N -D	0.53	2546	T	0.42	0.11
----------Webs----------					
K -L	0.02	137	T		
L -F	0.13	435	C		
F -M	0.42	2275	T		
M -J	0.34	2442	C		1 Br
J -B	0.15	854	T		
J -P	0.07	416	T		
P -E	0.46	615	C		
E -C	0.03	213	T		
C -O	0.11	605	T		
O -Q	0.11	294	C		
O -R	0.30	442	C		
N -R	0.03	229	T		

TL Defl	-0.71"	in K -F	L/632
LL Defl	-0.35"	in K -F	L/999
Hz Disp	LL	DL	TL
Jt D	0.19"	0.20"	0.39"
Shear // Grain		in A -L	0.24

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	Ctr	0.3	0.92
L	LOCK	3.0x 7.0	Ctr	Ctr	0.41
M	LOCK	5.0x 7.0	-0.2	0.5	0.93
B	LOCK	5.0x 5.0	0.7	-3.0	0.66
P	LOCK	3.0x 7.0	Ctr	Ctr	0.46
C	LOCK	5.0x 5.0	-0.3	-3.2	0.80
Q	LOCK	2.0x 4.0	Ctr	Ctr	0.46
R	LOCK	5.0x 7.0	0.2	0.5	0.76
D	LOCK	4.0x 6.0	Ctr	0.1	0.72
K	LOCK	2.0x 4.0	Ctr	Ctr	0.46
F	LOCK	6.0x 6.0	Ctr	-0.6	0.81
J	LOCK	4.0x 8.0	-0.5	0.1	0.80
E	LOCK	5.0x 5.0	0.3	2.8	0.92
O	LOCK	5.0x 7.0	0.5	-0.5	0.77
N	LOCK	2.0x 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.

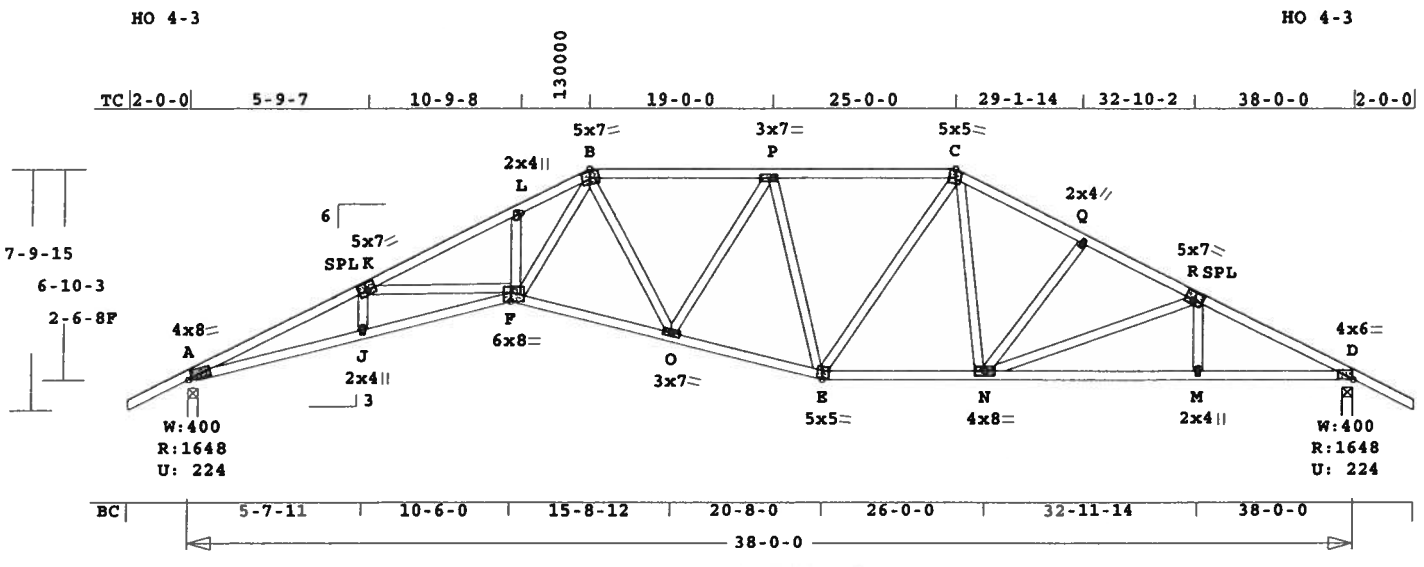
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: 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 5109 Lbs
Quality Control Factor 1.25

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

Date Sealed: 4/28/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-KEENII	A4	1	SP	380000	6	2- 0- 0	2- 0- 0	T06043125

U# J#KH-KEENII KEEN II MODEL



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 272.7 LBS

Online Plus -- Version 19.0.018
RUN DATE: 27-APR-06

	CSI	-Size-	----Lumber----
TC	0.69	2x 4	SP-#2
BC	0.58	2x 4	SP-#2
EX A -F		2x 4	SP-#1
WB	0.45	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	38- 0- 0
BC Cont.	0- 0- 0	38- 0- 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	1648	225	4- 0	1-15
			Hz =	-139
D	1648	225	4- 0	1-15
			Hz =	140

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -K	0.55	5105	C	0.18	0.37
K -L	0.69	4594	C	0.24	0.45
L -B	0.59	4549	C	0.13	0.46
B -P	0.46	2569	C	0.07	0.39
P -C	0.44	2158	C	0.03	0.41
C -Q	0.19	2272	C	0.03	0.16
Q -R	0.19	2424	C	0.03	0.16
R -D	0.25	2842	C	0.05	0.20
Bottom Chords					
A -J	0.89	4666	T	0.61	0.28
J -F	0.82	4693	T	0.61	0.21
F -O	0.55	2837	T	0.47	0.08
O -E	0.49	2431	T	0.41	0.08
E -N	0.49	1968	T	0.33	0.16
N -M	0.58	2532	T	0.42	0.16
M -D	0.51	2532	T	0.42	0.09
Webs					
J -K	0.01	122	T		
K -F	0.13	433	C		
F -L	0.01	115	C		
F -B	0.45	2482	T		
B -O	0.17	387	C		
O -P	0.07	408	T		
P -E	0.45	791	C		
E -C	0.06	325	T		
C -N	0.08	474	T		
N -Q	0.09	245	C		
N -R	0.25	378	C		
M -R	0.03	230	T		

TL Defl	-0.71" in J -F	L/632	
LL Defl	-0.35" in J -F	L/999	
Hz Disp	LL	DL	TL
Jt D	0.19"	0.19"	0.39"
Shear // Grain	in B -P	0.28	

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	Ctr	0.3	0.92
K	LOCK	5.0x 7.0	-0.2	0.5	0.76
L	LOCK	2.0x 4.0	Ctr	Ctr	0.46
B	LOCK	5.0x 7.0	0.3	-3.5	0.95
P	LOCK	3.0x 7.0	Ctr	Ctr	0.45
C	LOCK	5.0x 5.0	-0.3	-3.2	0.95
Q	LOCK	2.0x 4.0	Ctr	Ctr	0.46
R	LOCK	5.0x 7.0	0.2	0.5	0.76
D	LOCK	4.0x 6.0	Ctr	0.1	0.72
J	LOCK	2.0x 4.0	Ctr	Ctr	0.46
F	LOCK	6.0x 8.0	1.0	-0.6	0.97
O	LOCK	3.0x 7.0	Ctr	Ctr	0.52
E	LOCK	5.0x 5.0	0.3	2.8	0.94
N	LOCK	4.0x 8.0	Ctr	Ctr	0.65
M	LOCK	2.0x 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.

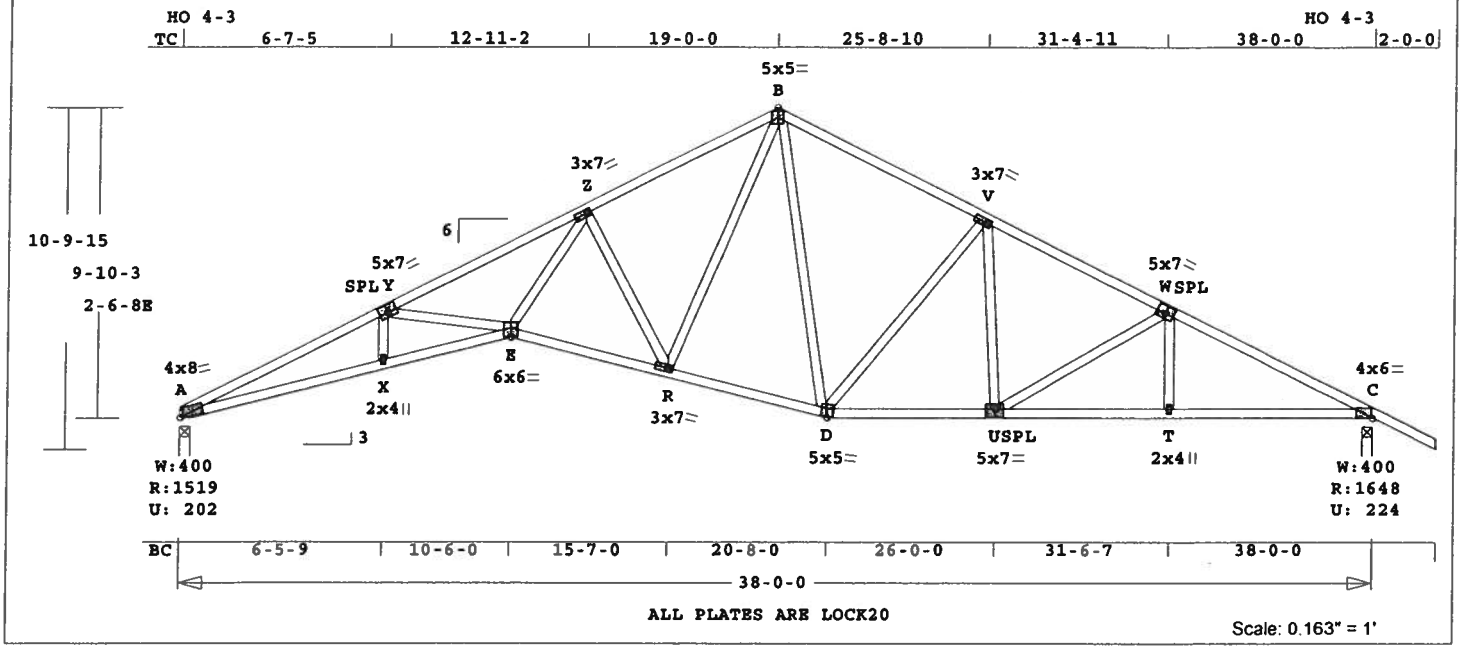
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: 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 5105 Lbs
Quality Control Factor 1.25

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

Date Sealed: 4/28/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-KEENII	A5	4	SP	380000	6	0	2- 0- 0	T06043125

U# J#KH-KEENII KEEN II MODEL



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 264.4 LBS

Online Plus -- Version 19.0.018
RUN DATE: 27-APR-06

	CSI	-Size-	----Lumber----
TC	0.54	2x 4	SP-#2
EX Y -B		2x 4	SP-#1
BC	0.77	2x 4	SP-#2
EX A -E		2x 4	SP-#1
WB	0.67	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.		0- 0- 0	38- 0- 0
BC Cont.		0- 0- 0	38- 0- 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	1520	202	4- 0	1-13
			Hz =	-204
C	1648	225	4- 0	1-15
			Hz =	204

Membr	CSI	P Lbs	Axl	CSI	Bnd
----------Top Chords----------					
A -Y	0.54	5058	C	0.18	0.36
Y -Z	0.85	4606	C	0.34	0.51
Z -B	0.37	2345	C	0.02	0.35
B -V	0.49	1803	C	0.05	0.44
V -W	0.47	2301	C	0.03	0.44
W -C	0.38	2771	C	0.10	0.28
--------Bottom Chords---------					
A -X	0.88	4633	T	0.61	0.27
X -E	0.91	4674	T	0.61	0.30
E -R	0.77	2877	T	0.48	0.29
R -D	0.45	1616	T	0.27	0.18
D -U	0.50	2051	T	0.34	0.16
U -T	0.49	2479	T	0.41	0.08
T -C	0.50	2479	T	0.41	0.09
------------Webs------------					
X -Y	0.01	76	T		
Y -E	0.08	386	C		
E -Z	0.44	2415	T		
Z -R	0.67	1555	C		
R -B	0.25	1366	T		
B -D	0.07	277	T		
D -V	0.55	694	C		
V -U	0.06	397	T		
U -W	0.24	477	C		
T -W	0.03	231	T		

TL Defl -0.74" in E -R L/605
LL Defl -0.36" in E -R L/999

Hz Disp	LL	DL	TL
Jt C	0.19"	0.19"	0.38"

Shear // Grain in B -V 0.26

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	Ctr	0.3	0.91
Y	LOCK	5.0x 7.0	-0.2	0.5	0.76
Z	LOCK	3.0x 7.0	-1.5	-0.8	0.97
B	LOCK	5.0x 5.0	Ctr	Ctr	0.76
V	LOCK	3.0x 7.0	Ctr	Ctr	0.45
W	LOCK	5.0x 7.0	0.2	0.5	0.76
C	LOCK	4.0x 6.0	Ctr	0.1	0.72
X	LOCK	2.0x 4.0	Ctr	Ctr	0.46
E	LOCK	6.0x 6.0	Ctr	-0.6	0.80
R	LOCK	3.0x 7.0	-1.4	0.4	0.98
D	LOCK	5.0x 5.0	0.3	2.8	0.90
U	LOCK	5.0x 7.0	Ctr	-0.5	0.77
T	LOCK	2.0x 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.

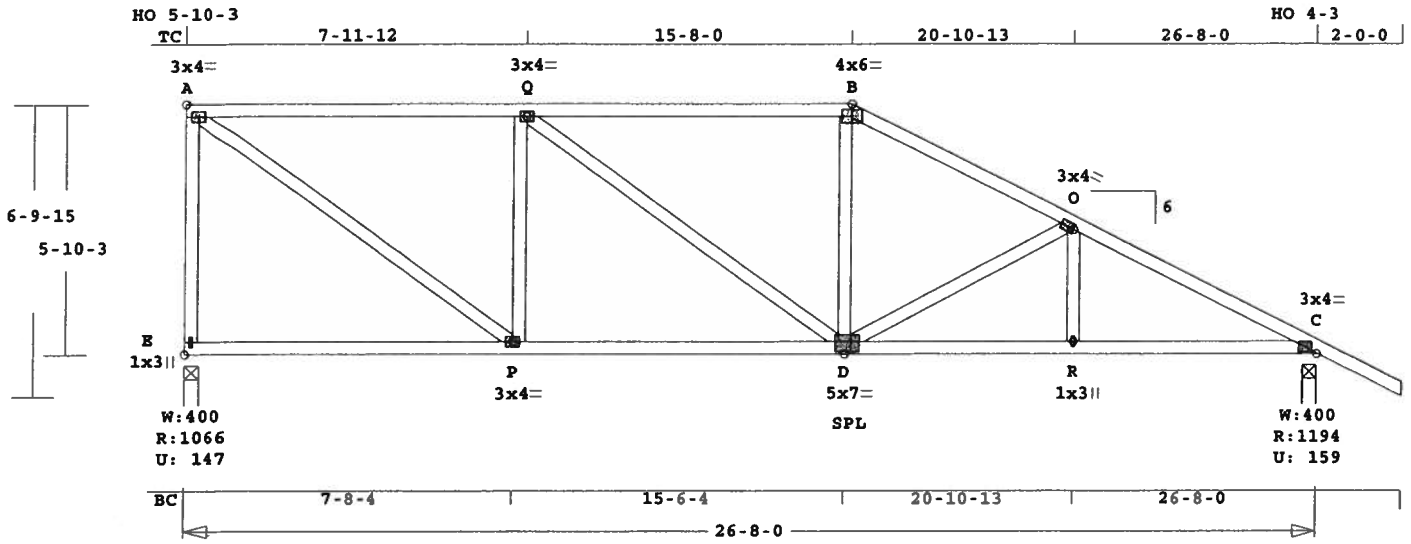
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: 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 5058 Lbs
Quality Control Factor 1.25

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

Date Sealed: 4/28/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-KEENII	A6	1	HHIP	260800	6	0	2- 0- 0	T06043125

U# J#KH-KEENII KEEN II MODEL



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 187.8 LBS

Online Plus -- Version 19.0.018
RUN DATE: 27-APR-06

	CSI	-Size-	----Lumber----
TC	0.74	2x 4	SP-#2
BC	0.51	2x 4	SP-#2
WB	0.38	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	26- 8- 0
BC	Cont.	0- 0- 0	26- 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	Req'd In-Sx
E	1067	147	4- 0	1- 8
			Hz =	-195
C	1195	160	4- 0	1- 8
			Hz =	93

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -Q	0.73	1128	C	0.00	0.73
Q -B	0.74	1249	C	0.01	0.73
B -O	0.25	1395	C	0.01	0.24
O -C	0.24	1840	C	0.04	0.20
Bottom Chords					
E -P	0.40	154	T	0.00	0.40
P -D	0.51	1128	T	0.11	0.40
D -R	0.39	1647	T	0.27	0.12
R -C	0.36	1647	T	0.27	0.09
Webs					
E -A	0.38	1002	C	WindLd	
A -P	0.25	1392	T		
P -Q	0.24	639	C		
Q -D	0.04	148	T		
D -B	0.05	344	T		
D -O	0.20	453	C		
R -O	0.03	203	T		

TL Defl -0.22" in E -P L/999
LL Defl -0.10" in E -P L/999
Shear // Grain in A -Q 0.36

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	0.84
Q	LOCK	3.0x 4.0	Ctr	Ctr	0.59
B	LOCK	4.0x 6.0	Ctr	Ctr	0.98
O	LOCK	3.0x 4.0	Ctr	Ctr	0.65
C	LOCK	3.0x 4.0	Ctr	Ctr	0.87
E	LOCK	1.0x 3.0	Ctr	Ctr	0.81
P	LOCK	3.0x 4.0	Ctr	Ctr	0.84
D	LOCK	5.0x 7.0-1.0-0.5			0.65
R	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.

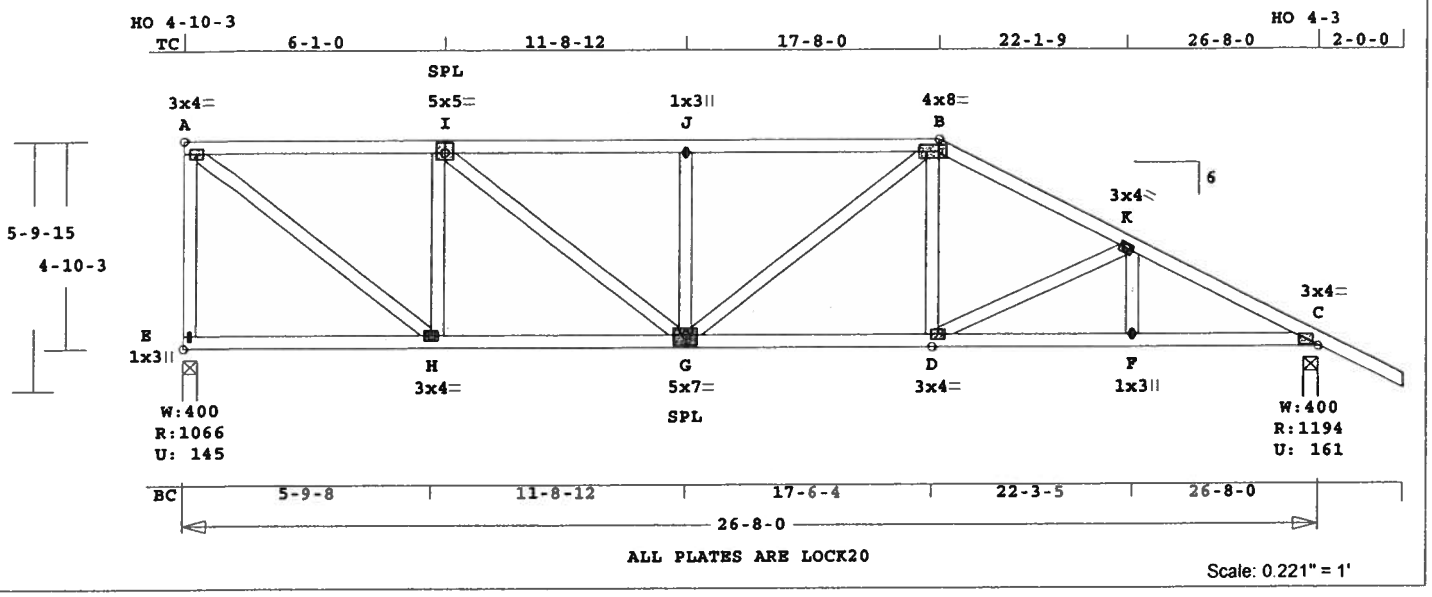
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: 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 1840 Lbs
Quality Control Factor 1.25

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

Date Sealed: 4/28/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-KEENII	A7	1	HHIP	260800	6	0	2- 0- 0	T06043125

U# J#KH-KEENII KEEN II MODEL



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 191.9 LBS

Online Plus -- Version 19.0.018
RUN DATE: 27-APR-06

	CSI	-Size-	----Lumber----
TC	0.36	2x 4	SP-#2
BC	0.37	2x 4	SP-#2
WB	0.26	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	26- 8- 0
BC Cont.	0- 0- 0	26- 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
E	1067	146	4- 0	1- 8
			Hz =	-159
C	1195	161	4- 0	1- 8
			Hz =	76

Membr	CSI	P Lbs	Axl	CSI-Bnd
Top Chords				
A -I	0.35	1103	C	0.00 0.35
I -J	0.36	1551	C	0.01 0.35
J -B	0.32	1551	C	0.01 0.31
B -K	0.21	1559	C	0.01 0.20
K -C	0.13	1906	C	0.02 0.11
Bottom Chords				
E -H	0.21	125	T	0.00 0.21
H -G	0.32	1103	T	0.11 0.21
G -D	0.32	1394	T	0.23 0.09
D -F	0.37	1701	T	0.28 0.09
F -C	0.34	1701	T	0.28 0.06

Webs				
E -A	0.26	1016	C	WindLd
A -H	0.25	1403	T	
H -I	0.19	738	C	
I -G	0.10	570	T	
G -J	0.09	362	C	
G -B	0.04	199	T	
D -B	0.05	325	T	
D -K	0.11	333	C	
F -K	0.02	153	T	

TL Defl -0.15" in G -D L/999
LL Defl -0.07" in G -D L/999
Shear // Grain in A -I 0.27

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	0.86
I	LOCK	5.0x 5.0	Ctr	0.5	0.65
J	LOCK	1.0x 3.0	Ctr	Ctr	0.81
B	LOCK	4.0x 8.0	Ctr	Ctr	0.98
K	LOCK	3.0x 4.0	Ctr	Ctr	0.65
C	LOCK	3.0x 4.0	Ctr	Ctr	0.87
E	LOCK	1.0x 3.0	Ctr	Ctr	0.81
H	LOCK	3.0x 4.0	Ctr	Ctr	0.86
G	LOCK	5.0x 7.0	Ctr	-0.5	0.65
D	LOCK	3.0x 4.0	Ctr	Ctr	0.59
F	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.

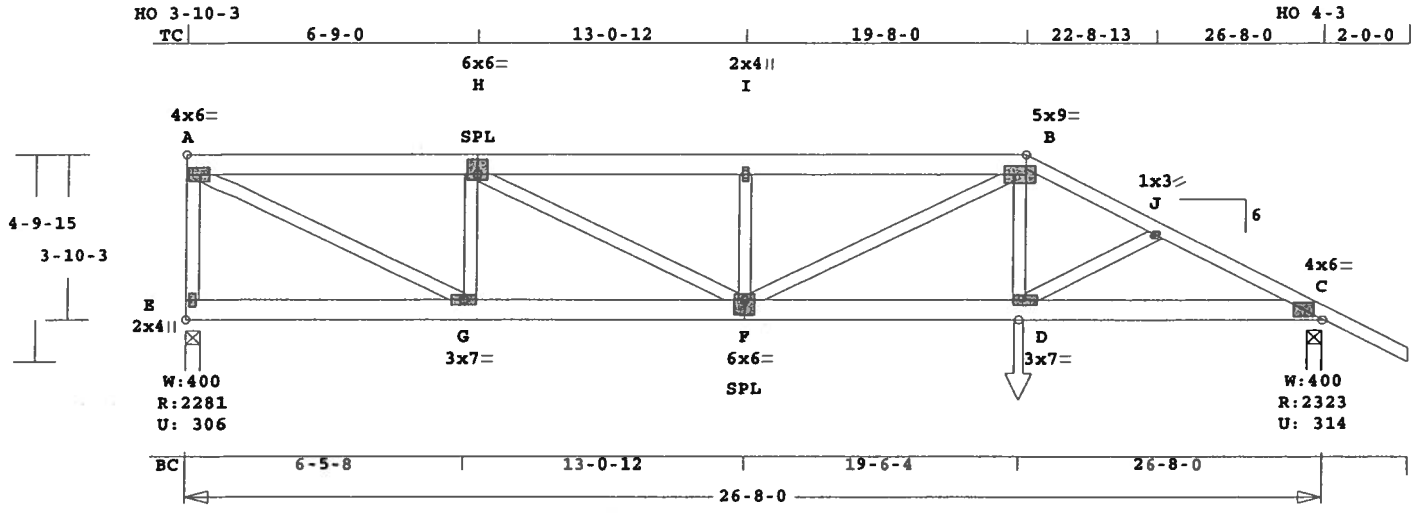
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1906 Lbs
Quality Control Factor 1.25

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

Date Sealed: 4/28/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-KEENII	A8	1*2P	HHIP	260800	6	0	2- 0- 0	T06043125

U# J#KH-KEENII KEEN II MODEL



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 218.1 LBS

Online Plus -- Version 19.0.018
RUN DATE: 27-APR-06
****
* 2-Ply Truss *
****

	CSI	Size	Lumber
TC	0.30	2x 6	SP-#2
EX B -C		2x 4	SP-#2
BC	0.34	2x 6	SP-#2
WB	0.38	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	26- 8- 0
BC Cont.	0- 0- 0	26- 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'	26.7'
BC V 0	20	0.0'	26.7'
TC V 50	25	1.0'	19.7'
TC V -40	-20	0.0'	1.0'
BC V 0	25	1.0'	19.5'
BC V 0	-20	0.0'	1.0'
BC V 280	280	19.5'	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
E	2281	307	4- 0	1- 8
			Hz =	-117
C	2323	314	4- 0	1- 8
			Hz =	56

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -H	0.25	3676 C	0.01 0.24
H -I	0.27	5010 C	0.02 0.25
I -B	0.30	5010 C	0.02 0.28
B -J	0.31	4267 C	0.03 0.28
J -C	0.15	4359 C	0.04 0.11
Bottom Chords			
E -G	0.13	92 T	0.00 0.13
G -F	0.30	3676 T	0.24 0.06
F -D	0.34	3835 T	0.25 0.09
D -C	0.32	3880 T	0.25 0.07
Webs			
E -A	0.10	2187 C	WindLd
A -G	0.38	4152 T	
G -H	0.08	1629 C	
H -F	0.13	1506 T	
F -I	0.04	967 C	
F -B	0.12	1311 T	
D -B	0.07	814 T	
D -J	0.00	71 T	

TL Defl -0.19" in F -D L/999
LL Defl -0.09" in F -D L/999
Shear // Grain in I -B 0.21

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	0.75
H	LOCK	6.0x 6.0	Ctr	1.2	0.52
I	LOCK	2.0x 4.0	Ctr	Ctr	0.39
B	LOCK	5.0x 9.0	Ctr	Ctr	0.95
J	LOCK	1.0x 3.0	Ctr	Ctr	0.78
C	LOCK	4.0x 6.0	Ctr	Ctr	0.63
E	LOCK	2.0x 4.0	Ctr	Ctr	0.64
G	LOCK	3.0x 7.0	Ctr	Ctr	0.69
F	LOCK	6.0x 6.0	Ctr	-1.2	0.60
D	LOCK	3.0x 7.0	Ctr	Ctr	0.40

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 Half Hip

Framing King Jacks
Jack Open Faced
Setback 7- 0- 0
2 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered pattern. (1/2" bolts -OR- SDS3 screws -OR- 10d nails as each layer is applied.)

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

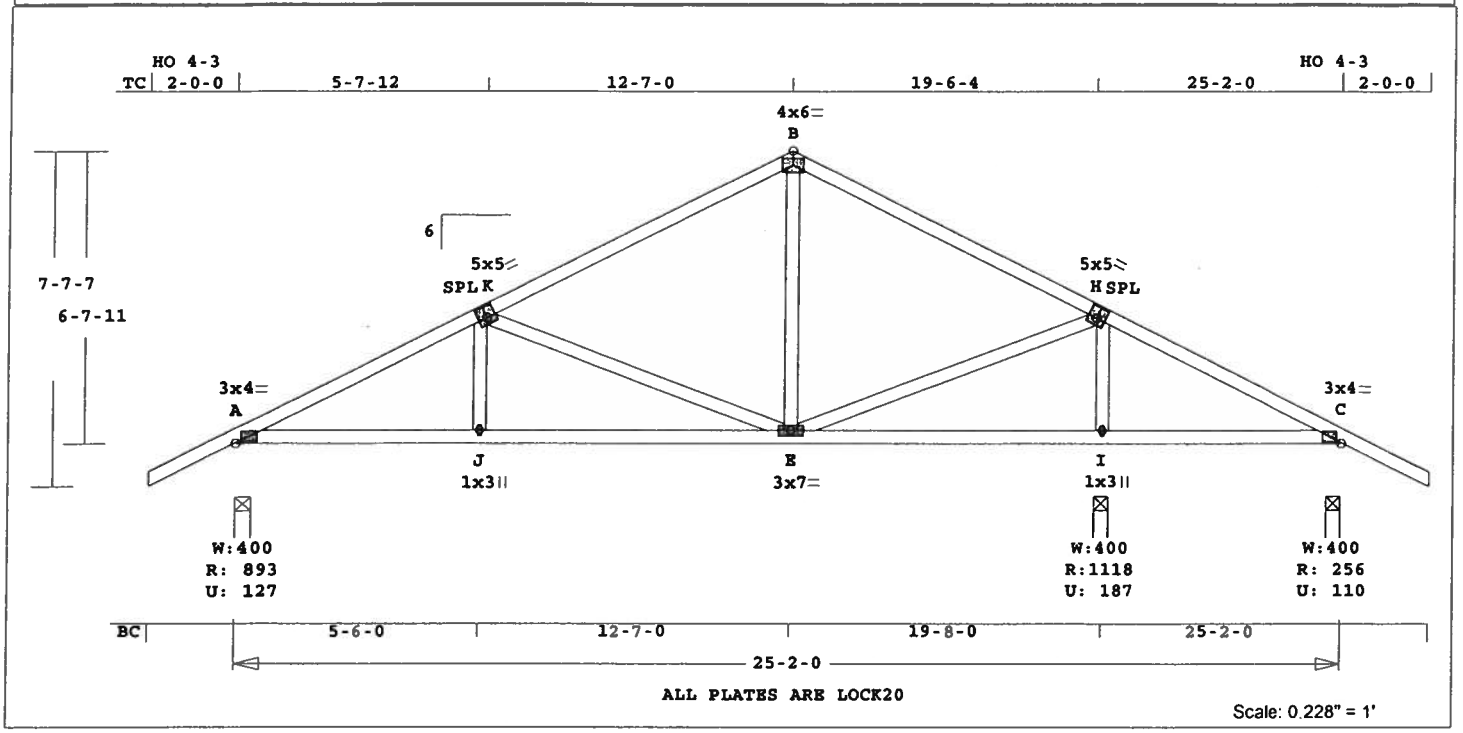
Plus clusters of nails where shown.
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Prevent truss rotation at all bearing locations.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure 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 5010 Lbs
Quality Control Factor 1.25

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

Date Sealed: 4/28/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-KEENII	B1	1	TR	250200	6	2- 0- 0	2- 0- 0	T06043125

U# J#KH-KEENII KEEN II MODEL



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 158.1 LBS

Online Plus -- Version 19.0.018
RUN DATE: 27-APR-06

	CSI	-Size-	----Lumber----
TC	0.46	2x 4	SP-#2
BC	0.39	2x 4	SP-#2
WB	0.44	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	25- 2- 0
BC	Cont.	0- 0- 0	25- 2- 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	894	128	4- 0	1- 8
			Hz =	-122
I	1119	188	4- 0	1- 8
C	257	110	4- 0	1- 8
			Hz =	122

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -K	0.39	1252	C	0.00	0.39
K -B	0.39	615	C	0.00	0.39
B -H	0.44	617	C	0.00	0.44
H -C	0.46	97	T	0.02	0.44
Bottom Chords					
A -J	0.30	1133	T	0.11	0.19
J -E	0.39	1133	T	0.11	0.28
E -I	0.28	71	C	0.00	0.28
I -C	0.24	71	C	0.00	0.24
Webs					
J -K	0.03	251	T		
K -E	0.44	629	C		
E -B	0.04	273	T		
E -H	0.12	657	T		
I -H	0.12	966	C		

TL Defl -0.11" in J -E L/999
LL Defl -0.05" in J -E L/999
Shear // Grain in K -B 0.25

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	0.85
K	LOCK	5.0x 5.0-0.2	0.5		0.62
B	LOCK	4.0x 6.0	Ctr	Ctr	0.61
H	LOCK	5.0x 5.0	0.2	0.5	0.62
C	LOCK	3.0x 4.0	Ctr	Ctr	0.85
J	LOCK	1.0x 3.0	Ctr	Ctr	0.81
E	LOCK	3.0x 7.0	Ctr	Ctr	0.56
I	LOCK	1.0x 3.0	Ctr	Ctr	0.81

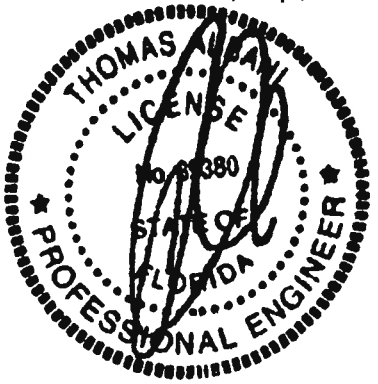
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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
User-defined wind-exposed BC regions --From-- ---To---
19- 8- 0 25- 2- 0
Max comp. force 1252 Lbs
Quality Control Factor 1.25

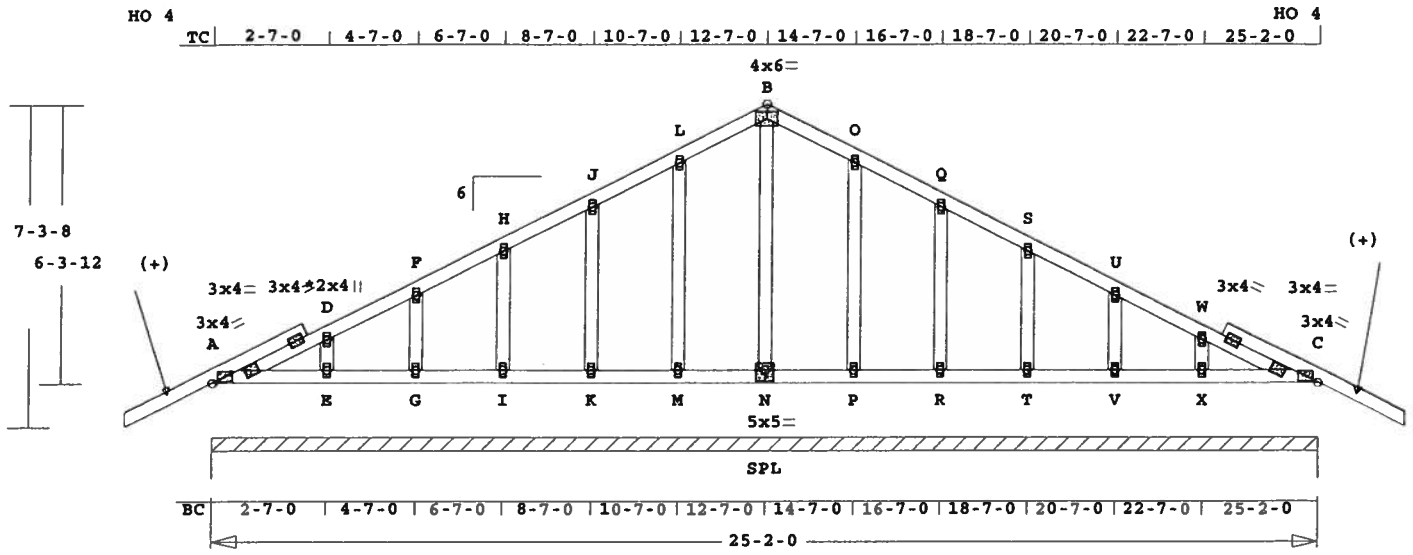
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 4/28/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-KEENII	B2	1	SP	250200	6	0	0	T06043125

U# J#KH-KEENII KEEN II MODEL



ALL PLATES ARE LOCK20

(+) 2x4 SP-#2

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.228" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 178.8 LBS

Online Plus -- Version 19.0.018
RUN DATE: 27-APR-06

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

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	25- 2- 0
BC	Cont.	0- 0- 0	25- 2- 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 25- 2- 0			
	2013	268	Hz =	117

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -D	0.03	67	C 0.00	0.03
D -F	0.03	58	C 0.00	0.03
F -H	0.03	48	C 0.00	0.03
H -J	0.03	45	C 0.00	0.03
J -L	0.03	58	T 0.00	0.03
L -B	0.03	91	T 0.00	0.03
B -O	0.03	91	T 0.00	0.03
O -Q	0.03	58	T 0.00	0.03
Q -S	0.03	45	C 0.00	0.03
S -U	0.03	48	C 0.00	0.03
U -W	0.03	58	C 0.00	0.03
W -C	0.03	67	C 0.00	0.03
--------Bottom Chords---------				
A -E	0.03	9	T 0.00	0.03
E -G	0.02	0	T 0.00	0.02
G -I	0.02	0	T 0.00	0.02
I -K	0.02	0	T 0.00	0.02
K -M	0.02	0	T 0.00	0.02
M -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	0.02	0	T 0.00	0.02
T -V	0.02	0	T 0.00	0.02
V -X	0.02	0	T 0.00	0.02
X -C	0.03	9	T 0.00	0.03
----------Gable Webs----------				
E -D	0.01	136	C	
G -F	0.01	118	C	
I -H	0.01	120	C	
K -J	0.02	119	C	
M -L	0.03	123	C	
N -B	0.03	72	C	
P -O	0.03	123	C	
R -Q	0.02	119	C	
T -S	0.01	120	C	
V -U	0.01	118	C	
X -W	0.01	136	C	

TL Defl 0.00" in X -C L/999
LL Defl 0.00" in X -C L/999
Shear // Grain in D -D 0.08

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

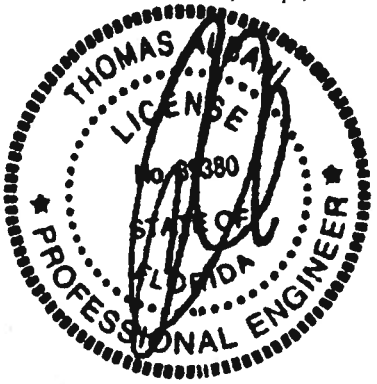
Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.85
D	LOCK	2.0x 4.0	Ctr	Ctr	0.00
F	LOCK	2.0x 4.0	Ctr	Ctr	0.00
H	LOCK	2.0x 4.0	Ctr	Ctr	0.00
J	LOCK	2.0x 4.0	Ctr	Ctr	0.00
L	LOCK	2.0x 4.0	Ctr	Ctr	0.00
B	LOCK	4.0x 6.0	Ctr	Ctr	0.61
O	LOCK	2.0x 4.0	Ctr	Ctr	0.00
Q	LOCK	2.0x 4.0	Ctr	Ctr	0.00
S	LOCK	2.0x 4.0	Ctr	Ctr	0.00
U	LOCK	2.0x 4.0	Ctr	Ctr	0.00
W	LOCK	2.0x 4.0	Ctr	Ctr	0.00
C	LOCK	3.0x 4.0	Ctr	Ctr	0.85
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
M	LOCK	2.0x 4.0	Ctr	Ctr	0.00
N	LOCK	5.0x 5.0	Ctr	-0.5	0.63
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
V	LOCK	2.0x 4.0	Ctr	Ctr	0.00
X	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.
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
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 136 Lbs
Quality Control Factor 1.25

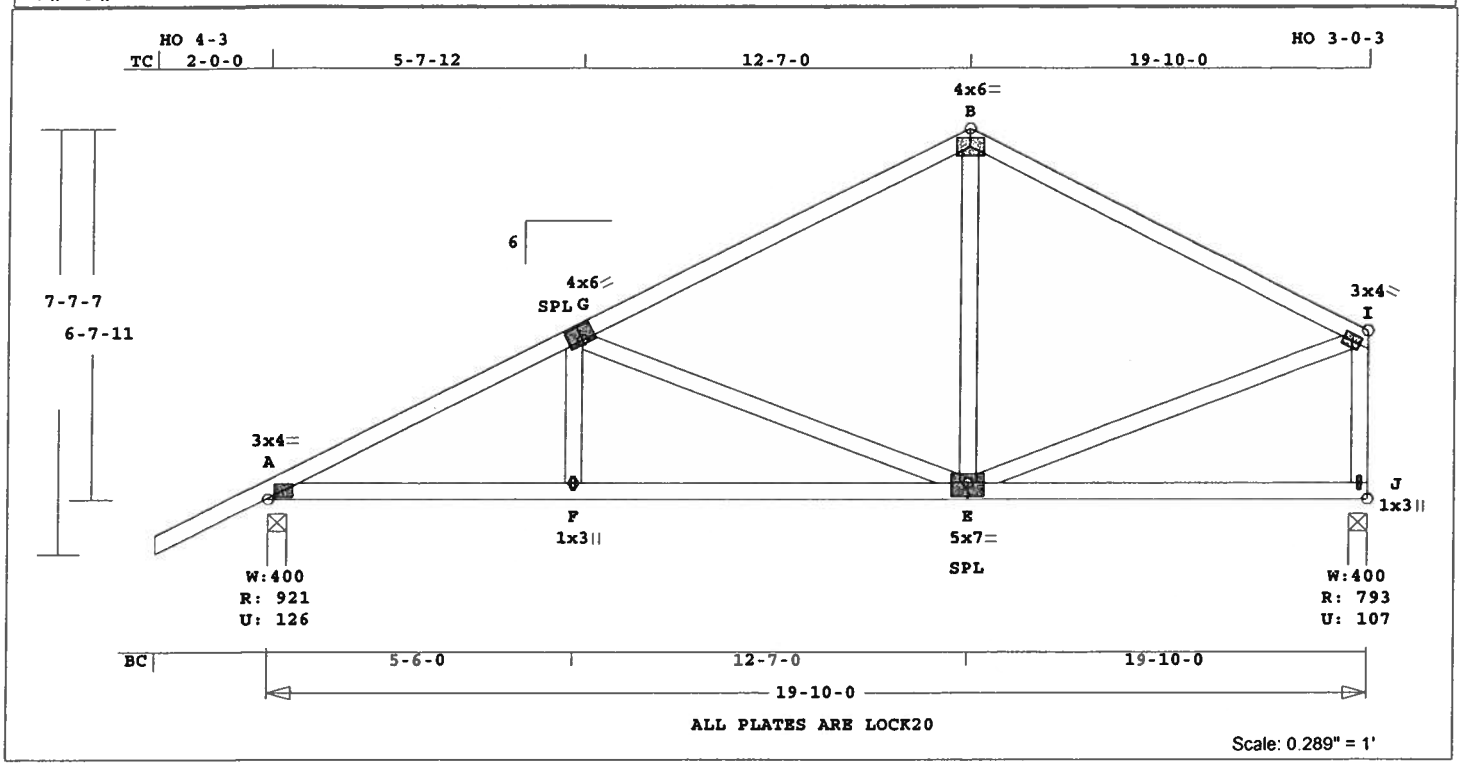
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 4/28/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-KEENII	B3	13	TR	191000	6	2- 0- 0	0	T06043125

U# J#KH-KEENII KEEN II MODEL



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 132.5 LBS

Online Plus -- Version 19.0.018
RUN DATE: 27-APR-06

	CSI	-Size-	----Lumber----
TC	0.54	2x 4	SP-#2
BC	0.46	2x 4	SP-#2
WB	0.43	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	19-10- 0
BC Cont.	0- 0- 0	19-10- 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 In-Sx	Req'd In-Sx
A	921	127	4- 0	1- 8
			Hz =	-109
J	793	107	4- 0	1- 8
			Hz =	162

Membr	CSI	P Lbs	Axl	CSI-Bnd
Top Chords				
A -G	0.37	1304 C	0.01	0.36
G -B	0.37	684 C	0.00	0.37
B -I	0.54	671 C	0.01	0.53
Bottom Chords				
A -F	0.29	1178 T	0.12	0.17
F -E	0.46	1178 T	0.12	0.34
E -J	0.34	126 T	0.00	0.34
Webs				
F -G	0.03	240 T		
G -E	0.43	607 C		
E -B	0.04	310 T		
E -I	0.12	657 T		
J -I	0.09	734 C	WindLd	

TL Defl -0.15" in E -J L/999
LL Defl -0.07" in E -J L/999
Shear // Grain in B -I 0.27

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	0.76
G	LOCK	4.0x 6.0	-0.5	0.9	0.56
B	LOCK	4.0x 6.0	Ctr	Ctr	0.54
I	LOCK	3.0x 4.0	Ctr	Ctr	0.68
F	LOCK	1.0x 3.0	Ctr	Ctr	0.81
E	LOCK	5.0x 7.0	Ctr	-0.5	0.57
J	LOCK	1.0x 3.0	Ctr	Ctr	0.81

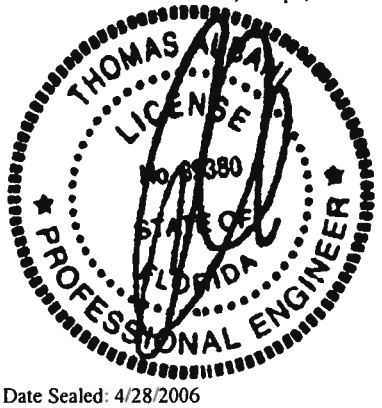
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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 1304 Lbs
Quality Control Factor 1.25

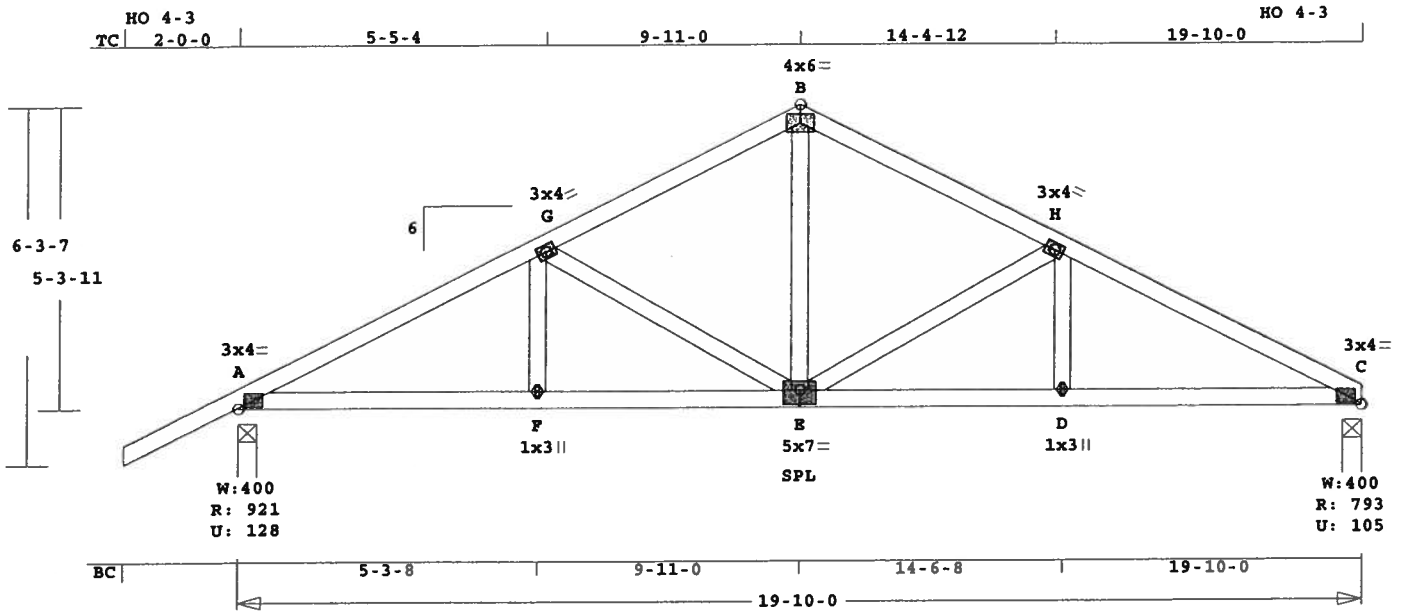
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 4/28/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-KEENII	B4	2	TR	191000	6	2- 0- 0	0	T06043125

U# J#KH-KEENII KEEN II MODEL



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 121.0 LBS

Online Plus -- Version 19.0.018
RUN DATE: 27-APR-06

	CSI	-Size-	----Lumber----
TC	0.21	2x 4	SP-#2
BC	0.27	2x 4	SP-#2
WB	0.15	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	19-10- 0
BC Cont.	0- 0- 0	19-10- 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	921	128	4- 0	1- 8
			Hz =	-90
C	793	106	4- 0	1- 8
			Hz =	91

Membr	CSI	P Lbs	Axl	CSI-Bnd	
Top Chords					
A -G	0.21	1289	C	0.01	0.20
G -B	0.20	884	C	0.00	0.20
B -H	0.20	884	C	0.00	0.20
H -C	0.21	1289	C	0.01	0.20
Bottom Chords					
A -F	0.27	1157	T	0.19	0.08
F -E	0.25	1157	T	0.19	0.06
E -D	0.25	1157	T	0.19	0.06
D -C	0.27	1157	T	0.19	0.08

Webs			
F -G	0.03	195	T
G -E	0.15	429	C
E -B	0.09	525	T
E -H	0.15	429	C
D -H	0.03	195	T

TL Defl -0.07" in E -D L/999
LL Defl -0.03" in E -D L/999
Shear // Grain in A -G 0.17

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	0.76
G	LOCK	3.0x 4.0	Ctr	Ctr	0.57
B	LOCK	4.0x 6.0	Ctr	Ctr	0.54
H	LOCK	3.0x 4.0	Ctr	Ctr	0.57
C	LOCK	3.0x 4.0	Ctr	Ctr	0.76
F	LOCK	1.0x 3.0	Ctr	Ctr	0.81
E	LOCK	5.0x 7.0	Ctr	-0.5	0.57
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.

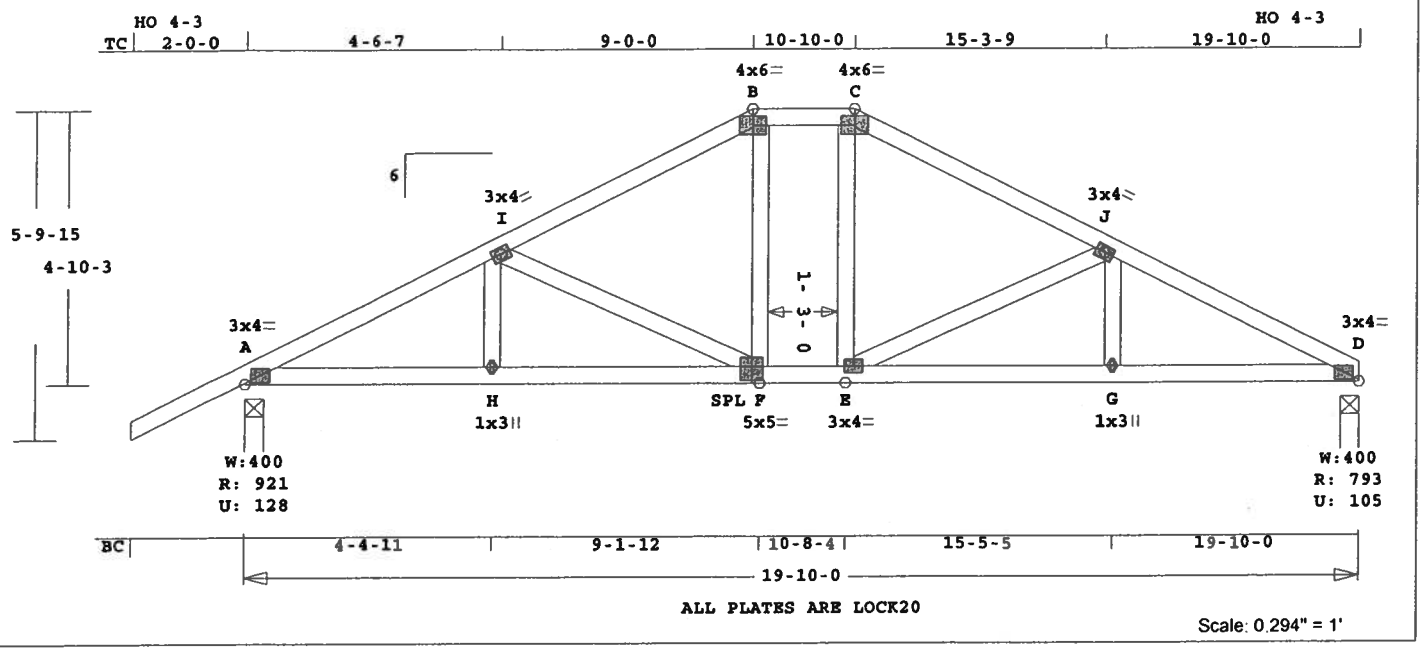
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: 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 1289 Lbs
Quality Control Factor 1.25

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

Date Sealed: 4/28/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-KEENII	B5	1	HIPP	191000	6	2- 0- 0	0	T06043125

U# J#KH-KEENII KEEN II MODEL



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 125.9 LBS

Online Plus -- Version 19.0.018
RUN DATE: 27-APR-06

	CSI	-Size-	----Lumber----
TC	0.17	2x 4	SP-#2
BC	0.26	2x 4	SP-#2
WB	0.13	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	19-10- 0
BC	Cont.	0- 0- 0	19-10- 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	921	128	4- 0	1- 8
			Hz =	-82
D	793	106	4- 0	1- 8
			Hz =	83

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -I	0.17	1345	C	0.01	0.16
I -B	0.16	951	C	0.00	0.16
B -C	0.05	846	C	0.00	0.05
C -J	0.16	951	C	0.00	0.16
J -D	0.17	1345	C	0.01	0.16
Bottom Chords					
A -H	0.23	1206	T	0.20	0.03
H -F	0.26	1206	T	0.20	0.06
F -E	0.19	846	T	0.14	0.05
E -G	0.26	1206	T	0.20	0.06
G -D	0.23	1206	T	0.20	0.03
Webs					
H -I	0.02	176	T		
I -F	0.13	397	C		
F -B	0.04	250	T		
E -C	0.04	250	T		
E -J	0.13	397	C		
G -J	0.02	176	T		

TL Defl -0.08" in E -G L/999
LL Defl -0.03" in E -G 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	0.76
I	LOCK	3.0x 4.0	Ctr	Ctr	0.57
B	LOCK	4.0x 6.0	Ctr	Ctr	0.85
C	LOCK	4.0x 6.0	Ctr	Ctr	0.85
J	LOCK	3.0x 4.0	Ctr	Ctr	0.57
D	LOCK	3.0x 4.0	Ctr	Ctr	0.76
H	LOCK	1.0x 3.0	Ctr	Ctr	0.81
F	LOCK	5.0x 5.0	Ctr	-0.5	0.57
E	LOCK	3.0x 4.0	Ctr	Ctr	0.51
G	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

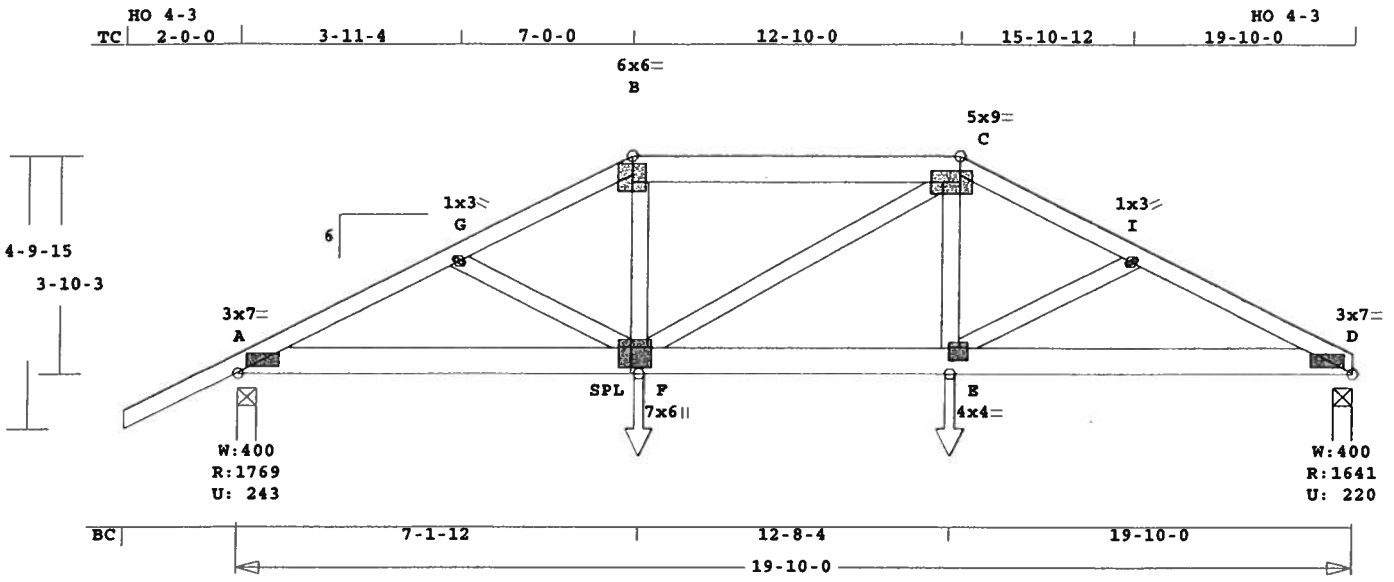
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1345 Lbs
Quality Control Factor 1.25

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

Date Sealed: 4/28/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-KEENII	B6	1	HIPP	191000	6	2- 0- 0	0	T06043125

U# J#KH-KEENII KEEN II MODEL



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 142.9 LBS

Online Plus -- Version 19.0.018
RUN DATE: 27-APR-06

	CSI	-Size-	----Lumber----
TC	0.63	2x 4	SP-#2
EX B -C		2x 6	SP-#2
BC	0.52	2x 6	SP-#2
WB	0.14	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.		0- 0- 0	19-10- 0
BC Cont.		0- 0- 0	19-10- 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'	19.8'
BC V	0	20	0.0'	19.8'
TC V	50	25	7.0'	12.8'
BC V	0	25	7.1'	12.7'
BC V	280	280	7.1'	CL-LB
BC V	280	280	12.7'	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	1769	243	4- 0	2- 1
			Hz =	-62
D	1641	221	4- 0	1-15
			Hz =	63

Membr	CSI	P Lbs	Axl-CSI-Bnd	
Top Chords				
A -G	0.27	3184 C	0.09	0.18
G -B	0.59	3073 C	0.07	0.52
B -C	0.68	2788 C	0.02	0.66
C -I	0.63	3036 C	0.07	0.56
I -D	0.30	3142 C	0.09	0.21
Bottom Chords				
A -F	0.48	2834 T	0.37	0.11
F -E	0.51	2733 T	0.36	0.15
E -D	0.52	2797 T	0.37	0.15
Webs				
G -F	0.01	72 T		
F -B	0.14	807 T		
F -C	0.01	73 T		
E -C	0.13	782 T		
E -I	0.01	72 T		

TL Defl -0.21" in F -E L/999
LL Defl -0.10" in F -E L/999
Shear // Grain in B -C 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	3.0x 7.0	Ctr	Ctr	0.82
G	LOCK	1.0x 3.0	Ctr	Ctr	0.75
B	LOCK	6.0x 6.0	Ctr	-0.6	0.49
C	LOCK	5.0x 9.0	Ctr	Ctr	0.83
I	LOCK	1.0x 3.0	Ctr	Ctr	0.75
D	LOCK	3.0x 7.0	Ctr	Ctr	0.81
F	LOCK	7.0x 6.0	1.0	-1.2	0.63
E	LOCK	4.0x 4.0	Ctr	-0.8	0.71

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

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

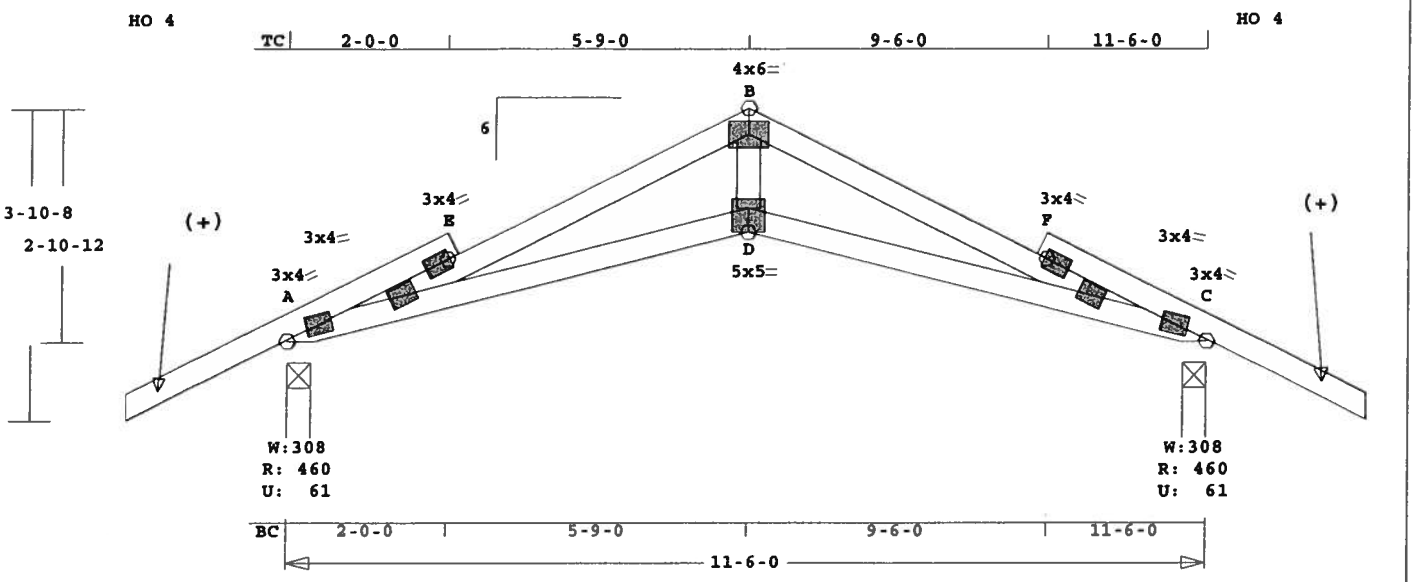
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Step Down Hip
Framing King Jacks
Jack Open Faced
Setback 7- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance 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 3184 Lbs
Quality Control Factor 1.25

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

Date Sealed: 4/28/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-KEENII	C1	1	SCIS	110600	6	0	0	T06043125

U# J#KH-KEENII KEEN II MODEL



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 62.7 LBS

Online Plus -- Version 19.0.018
RUN DATE: 27-APR-06

	CSI	-Size-	----Lumber----
TC	0.14	2x 4	SP-#2
BC	0.26	2x 4	SP-#2
WB	0.11	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	11- 6- 0
BC	Cont.	0- 0- 0	11- 6- 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	460	61	3- 8	1- 8
			Hz =	-41
C	460	61	3- 8	1- 8
			Hz =	42

Membr	CSI	P Lbs	Axl	CSI	Bnd
----------Top Chords----------					
A -B	0.14	1179	C	0.01	0.13
B -C	0.14	1179	C	0.01	0.13
--------Bottom Chords---------					
A -D	0.26	1131	T	0.18	0.08
D -C	0.26	1131	T	0.18	0.08
----------Webs----------					
D -B	0.11	647	T		

TL Defl -0.07" in E -D L/999
LL Defl -0.03" in E -D L/999

Hz Disp	LL	DL	TL
Jt C	0.02"	0.02"	0.05"

Shear // Grain in E -B 0.14

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

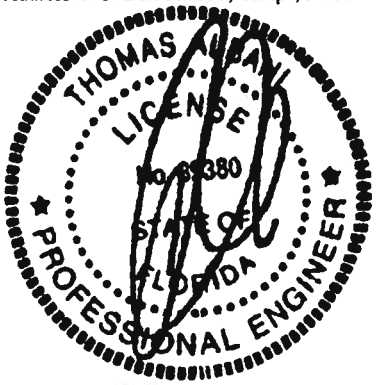
Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.74
B	LOCK	4.0x 6.0	Ctr	Ctr	0.45
C	LOCK	3.0x 4.0	Ctr	Ctr	0.74
D	LOCK	5.0x 5.0	Ctr	-1.1	0.40

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.
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 1179 Lbs
Quality Control Factor 1.25

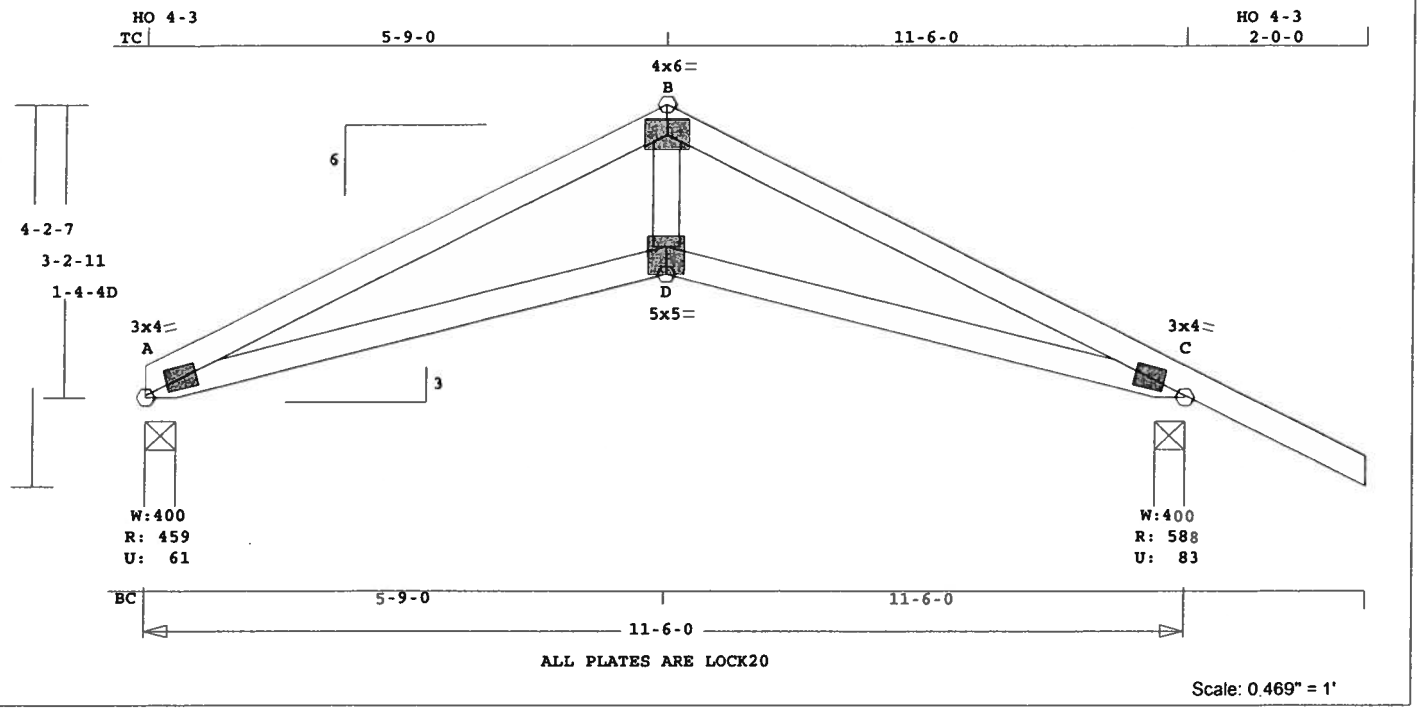
Truss Design Engineer: Thomas A. Albani
License #: 39380
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 4/28/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-KEENII	C2	7	SCIS	110600	6	0	2- 0- 0	T06043125

U# J#KH-KEENII KEEN II MODEL



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 54.0 LBS

Online Plus -- Version 19.0.018
RUN DATE: 27-APR-06

	CSI	-Size-	----Lumber----
TC	0.22	2x 4	SP-#2
BC	0.27	2x 4	SP-#2
WB	0.10	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	11- 6- 0
BC	Cont.	0- 0- 0	11- 6- 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

A -D	0.27	929 T	0.15	0.12
D -C	0.27	929 T	0.15	0.12

----------Webs----------

D -B	0.10	577 T		

TL Defl -0.07" in D -C L/999
LL Defl -0.03" in D -C L/999

Hz Disp	LL	DL	TL
Jt C	0.02"	0.02"	0.04"

Shear // Grain in A -B 0.17

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
B	LOCK	4.0x 6.0	Ctr	Ctr	0.45
C	LOCK	3.0x 4.0	Ctr	Ctr	0.74
D	LOCK	5.0x 5.0	Ctr-1.1		0.40

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 1002 Lbs
Quality Control Factor 1.25

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	460	61	4- 0	1- 8
			Hz =	-47
C	588	84	4- 0	1- 8
			Hz =	48

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -B	0.22	1002 C	0.01	0.21
B -C	0.22	1002 C	0.01	0.21
--------Bottom Chords---------				

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

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

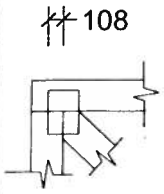
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading

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

Date Sealed: 4/28/2006

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.

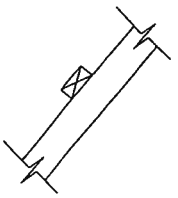
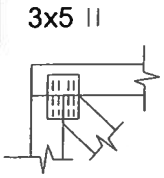


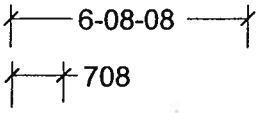
PLATE SIZE AND ORIENTATION

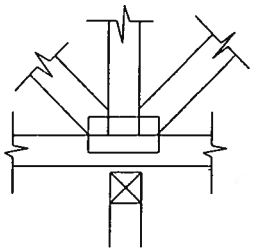


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

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.

6904 Parke East Blvd.
Tampa, Fl 33610-4115
Tel: 813-972-1135 Fax: 813-971-6117

www.robbinseng.com

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/m^2) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☑	☐	a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation

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

Floor Plan including:

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

Foundation Plan including:

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

Roof System:

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

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

Wall Sections including:

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

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

☑ ☐ b) Wood frame wall

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

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

Floor Framing System:

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

☐ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

☑ ☐ **Plumbing Fixture layout**

Electrical layout including:

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

☑ ☐ b) Ceiling fans

☑ ☐ c) Smoke detectors

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

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

☑ ☐ f) Appliances and HVAC equipment

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

☑ ☐ h) Exhaust fans in bathroom

HVAC information

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

☑ ☐ b) Manual J sizing equipment or equivalent computation

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

☑ ☐ **Disclosure Statement for Owner Builders**

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

☑ ☐ **Private Potable Water**

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

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

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

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

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

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

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

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

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

PRODUCT APPROVAL SPECIFICATION SHEET

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

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

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

L. K Keith Hoang 6/16/06

APPLICANT SIGNATURE DATE

R-1305 01-04

Residential System Sizing Calculation

Summary

3003 SE CR 245
Lake City, FL 32025-

Project Title:
604045K&HFraming

Class 3 Rating
Registration No. 0
Climate: North

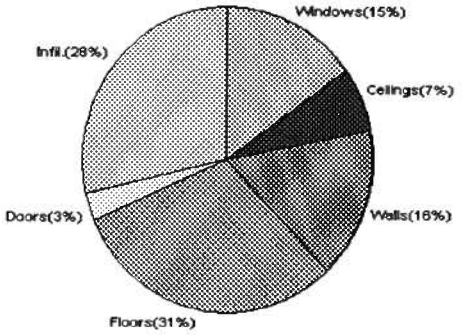
5/10/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**26433**	**Btuh**	**Total cooling load calculation**	**19231**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	117.3	31000	Sensible (SHR = 0.75)	160.1	23250
Heat Pump + Auxiliary(0.0kW)	117.3	31000	Latent	164.5	7750
			Total (Electric Heat Pump)	161.2	31000

WINTER CALCULATIONS

Winter Heating Load (for 1471 sqft)

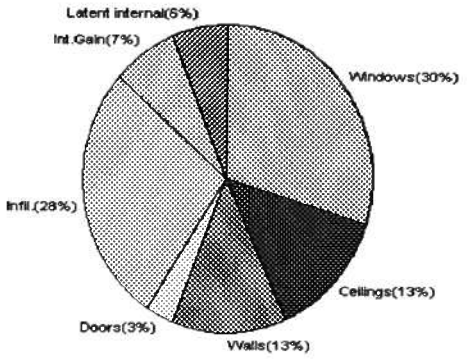
Load component			Load	
Window total	125	sqft	4024	Btuh
Wall total	1291	sqft	4240	Btuh
Door total	60	sqft	777	Btuh
Ceiling total	1531	sqft	1804	Btuh
Floor total	186	sqft	8121	Btuh
Infiltration	184	cfm	7468	Btuh
Duct loss			0	Btuh
Subtotal			**26433**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**26433**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1471 sqft)

Load component			Load	
Window total	125	sqft	5734	Btuh
Wall total	1291	sqft	2492	Btuh
Door total	60	sqft	588	Btuh
Ceiling total	1531	sqft	2535	Btuh
Floor total			0	Btuh
Infiltration	96	cfm	1789	Btuh
Internal gain			1380	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**14519**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			3512	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**4712**	**Btuh**
TOTAL HEAT GAIN			**19231**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: Glen Lacombe
DATE: 5-10-06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

3003 SE CR 245
Lake City, FL 32025-

Project Title:
604045K&HFraming

Class 3 Rating
Registration No. 0
Climate: North

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

5/10/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	45.0	32.2	1449 Btuh
2	2, Clear, Metal, 0.87	NE	6.0	32.2	193 Btuh
3	2, Clear, Metal, 0.87	SE	40.0	32.2	1288 Btuh
4	2, Clear, Metal, 0.87	SE	20.0	32.2	644 Btuh
5	2, Clear, Metal, 0.87	SE	8.0	32.2	258 Btuh
6	2, Clear, Metal, 0.87	SW	6.0	32.2	193 Btuh
	Window Total		125(sqft)		4024 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	943	3.3	3097 Btuh
2	Frame - Wood - Adj(0.09)	13.0	348	3.3	1143 Btuh
	Wall Total		1291		4240 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		40	12.9	518 Btuh
	Door Total		60		777Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1531	1.2	1804 Btuh
	Ceiling Total		1531		1804Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	186.0 ft(p)	43.7	8121 Btuh
	Floor Total		186		8121 Btuh
			Zone Envelope Subtotal:		18965 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.94	11768	184.4	7468 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**26433 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	26433 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	26433 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

3003 SE CR 245
Lake City, FL 32025-

Project Title:
604045K&HFraming

Class 3 Rating
Registration No. 0
Climate: North

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

3003 SE CR 245
Lake City, FL 32025-

Project Title:
604045K&HFraming

Class 3 Rating
Registration No. 0
Climate: North

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

5/10/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	45.0	32.2	1449 Btuh
2	2, Clear, Metal, 0.87	NE	6.0	32.2	193 Btuh
3	2, Clear, Metal, 0.87	SE	40.0	32.2	1288 Btuh
4	2, Clear, Metal, 0.87	SE	20.0	32.2	644 Btuh
5	2, Clear, Metal, 0.87	SE	8.0	32.2	258 Btuh
6	2, Clear, Metal, 0.87	SW	6.0	32.2	193 Btuh
	Window Total		125(sqft)		4024 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	943	3.3	3097 Btuh
2	Frame - Wood - Adj(0.09)	13.0	348	3.3	1143 Btuh
	Wall Total		1291		4240 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		40	12.9	518 Btuh
	Door Total		60		777Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1531	1.2	1804 Btuh
	Ceiling Total		1531		1804Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	186.0 ft(p)	43.7	8121 Btuh
	Floor Total		186		8121 Btuh
			Zone Envelope Subtotal:		18965 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.94	11768	184.4	7468 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**26433 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	26433 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	26433 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

3003 SE CR 245
Lake City, FL 32025-

Project Title:
604045K&HFraming

Class 3 Rating
Registration No. 0
Climate: North

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

3003 SE CR 245
Lake City, FL 32025-

Project Title:
604045K&HFraming

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 5/10/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	45.0	0.0	45.0	29	60	2702 Btuh
2	2, Clear, 0.87, None,N,N	NE	1.5ft.	3.5ft.	6.0	0.0	6.0	29	60	360 Btuh
3	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	40.0	40.0	0.0	29	63	1158 Btuh
4	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.5ft.	20.0	8.1	11.9	29	63	979 Btuh
5	2, Clear, 0.87, None,N,N	SE	1.5ft.	3ft.	8.0	6.1	1.9	29	63	296 Btuh
6	2, Clear, 0.87, None,N,N	SW	1.5ft.	3.5ft.	6.0	4.0	2.0	29	63	239 Btuh
	Window Total				125 (sqft)					5734 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	943.0	2.1	1967 Btuh
2	Frame - Wood - Adj	13.0/0.09	348.0	1.5	525 Btuh
	Wall Total		1291 (sqft)		2492 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	40.0	9.8	392 Btuh
	Door Total	60 (sqft)		588 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1531.0	1.7	2535 Btuh
	Ceiling Total		1531 (sqft)		2535 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	186 (ft(p))	0.0	0 Btuh
	Floor Total		186.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		11350 Btuh
Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.49	11768	96.1	1789 Btuh
Internal gain		Occupants	Btuh/occupant	Appliance	Load
		6	X 230 +	0	1380 Btuh
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)			DGM = 0.00	0.0 Btuh
			Sensible Zone Load		**14519 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

3003 SE CR 245
Lake City, FL 32025-

Project Title:
604045K&HFraming

Class 3 Rating
Registration No. 0
Climate: North

5/10/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**14519 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**14519 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**14519 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	3512 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**4712 Btuh**
	TOTAL GAIN	**19231 Btuh**

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

3003 SE CR 245
Lake City, FL 32025-

Project Title:
604045K&HFraming

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 5/10/2006
This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	45.0	0.0	45.0	29	60	2702 Btuh
2	2, Clear, 0.87, None,N,N	NE	1.5ft.	3.5ft.	6.0	0.0	6.0	29	60	360 Btuh
3	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	40.0	40.0	0.0	29	63	1158 Btuh
4	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.5ft.	20.0	8.1	11.9	29	63	979 Btuh
5	2, Clear, 0.87, None,N,N	SE	1.5ft.	3ft.	8.0	6.1	1.9	29	63	296 Btuh
6	2, Clear, 0.87, None,N,N	SW	1.5ft.	3.5ft.	6.0	4.0	2.0	29	63	239 Btuh
	Window Total				125 (sqft)					5734 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	943.0	2.1	1967 Btuh
2	Frame - Wood - Adj	13.0/0.09	348.0	1.5	525 Btuh
	Wall Total		1291 (sqft)		2492 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	40.0	9.8	392 Btuh
	Door Total	60 (sqft)		588 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1531.0	1.7	2535 Btuh
	Ceiling Total		1531 (sqft)		2535 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	186 (ft(p))	0.0	0 Btuh
	Floor Total		186.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		11350 Btuh
Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.49	11768	96.1	1789 Btuh
Internal gain		Occupants	Btuh/occupant	Appliance	Load
		6	X 230 +	0	1380 Btuh
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)			DGM = 0.00	0.0 Btuh
			Sensible Zone Load		**14519 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

3003 SE CR 245
Lake City, FL 32025-

Project Title:
604045K&HFraming

Class 3 Rating
Registration No. 0
Climate: North

5/10/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**14519 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**14519 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**14519 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	3512 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**4712 Btuh**
	TOTAL GAIN	**19231 Btuh**

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

For Florida residences only

Residential Window Diversity

MidSummer

Project Title:
604045K&HFraming

3003 SE CR 245
Lake City, FL 32025-

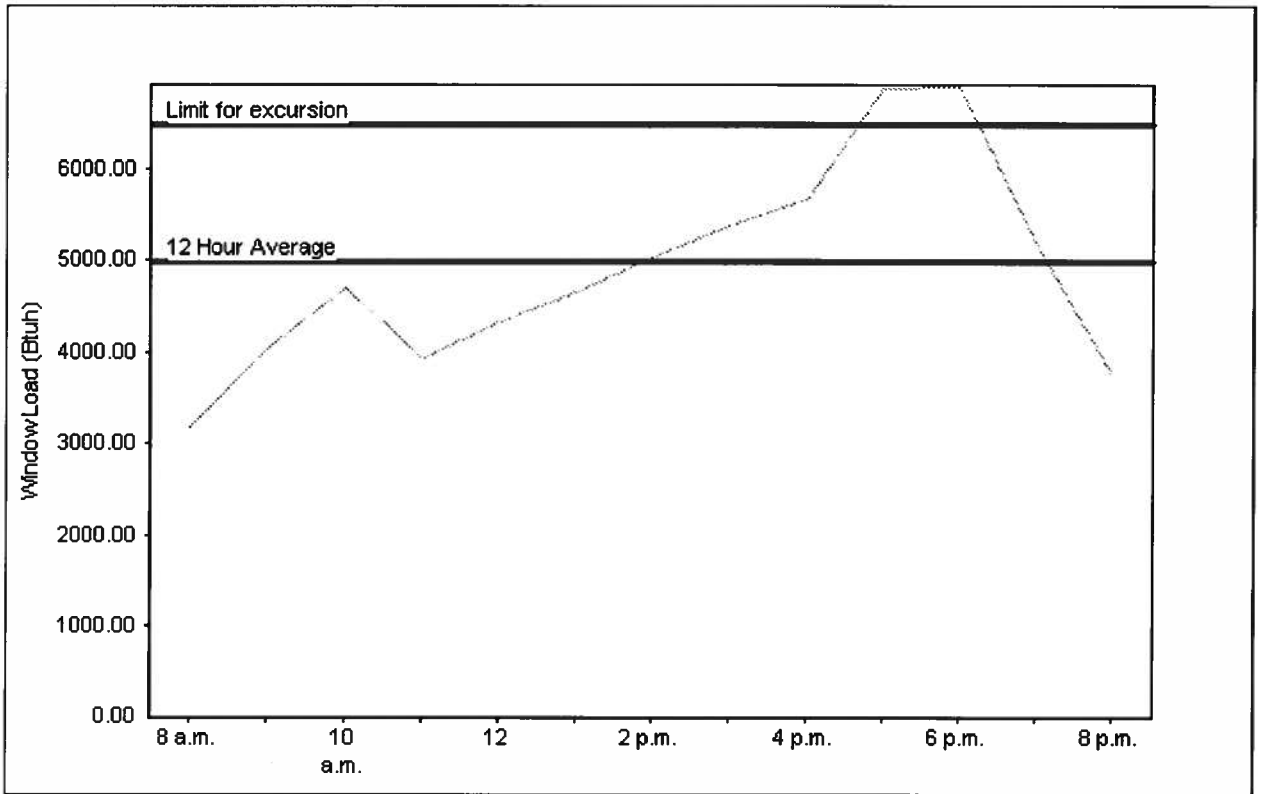
Class 3 Rating
Registration No. 0
Climate: North

5/10/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	4985 Btuh
Summer setpoint	75 F	Peak window load for July	6887 Btuh
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	6480 Btuh
Latitude	29 North	Window excursion (July)	406 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

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

EnergyGauge® System Sizing for Florida residences only
PREPARED BY: Ben Lamb
DATE: 5-10-06

ELK Roofing Products Specifications – Tuscaloosa, AL

PRESTIQUE®
HIGH DEFINITION®

RAISED PROFILE®

Prestique Plus *High Definition* and Prestique Gallery Collection™

Product size	13¼"x 39¼"
Exposure	5⅝"
Pieces/Bundle	16
Bundles/Square	4/98.5 sq.ft.
Squares/Pallet	11

50-year limited warranty period: 5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 110 mph***

Raised Profile

Product size	13¼"x 38¼"
Exposure	5⅝"
Pieces/Bundle	22
Bundles/Square	3/100 sq.ft.
Squares/Pallet	16

30-year limited warranty period: 5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 70 mph.

Prestique I *High Definition*

Product size	13¼"x 39¼"
Exposure	5⅝"
Pieces/Bundle	16
Bundles/Square	4/98.5 sq.ft.
Squares/Pallet	14

40-year limited warranty period: 5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 90 mph***

Prestique *High Definition*

Product size	13¼"x 38¼"
Exposure	5⅝"
Pieces/Bundle	22
Bundles/Square	3/100 sq.ft.
Squares/Pallet	16

30-year limited warranty period: 5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph.

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/*FLX*™

Size: 12"x 12"
Exposure: 6⅝"
Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

Vented RidgeCrest™ w/*FLX*™

Size: 13"x 13¼"
Exposure: 9⅞"
Pieces/Box: 26
Coverage: 5 boxes = 100 linear feet

Elk Starter Strip

52 Bundles/Pallet
18 Pallets/Truck
936 Bundles/Truck
19 Pieces/Bundle
1 Bundle = 120.33 linear feet

Available Colors (Check Availability): Antique Slate, Weatheredwood, Shakewood, Sablewood, Hickory, Barkwood, Forest Green, Wedgewood, Birchwood, Sandalwood.
Gallery Collection: Balsam Forest™, Weathered Sage™, Sienna Sunset™.

All Prestique, Raised Profile and Seal-A-Ridge, and Prestique Starter Strip roofing products contain sealant which activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in StainGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae.

All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles have approval from the Florida Building Code Commission, Metro-Dade County, ICBO, and Texas Department of Insurance.

*See actual limited warranty for conditions and limitations.
** Effective January 1, 2004, the seven year non-prorated Umbrella Coverage Period applies only when a full Elk Roof System is installed with the original installation of the Elk shingles, all in accordance with Elk's application instructions for such products. A full Elk roof system includes Elk Hip and Ridge shingles on all hips and ridges, Elk Starter Strip along all rake and eave edges, an Elk ventilation system, and Elk All-Climate Self-Adhering Underlayment in all valleys. Additionally, Elk All-Climate Self-Adhering Underlayment is required along the rake and eave edges of the roof in and north of the states of VA, KY, MO, KS, CO, UT, NV, & OR.
***For a limited Wind Warranty up to 110 mph for Prestique Gallery Collection, Prestique Plus, or 90 mph for Prestique I or GrandA, at least six (6) properly placed NAILS and Elk Starter Strip shingles are required. See application instructions printed on the shingle wrapper for additional requirements.

Specifications

Scope: Work includes furnishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color). Hip and ridge type to be Elk Seal-A-Ridge with formula *FLX*.

All exposed metal surfaces (flashing, vents, etc.) to be painted with matching Elk roof accessory paint.

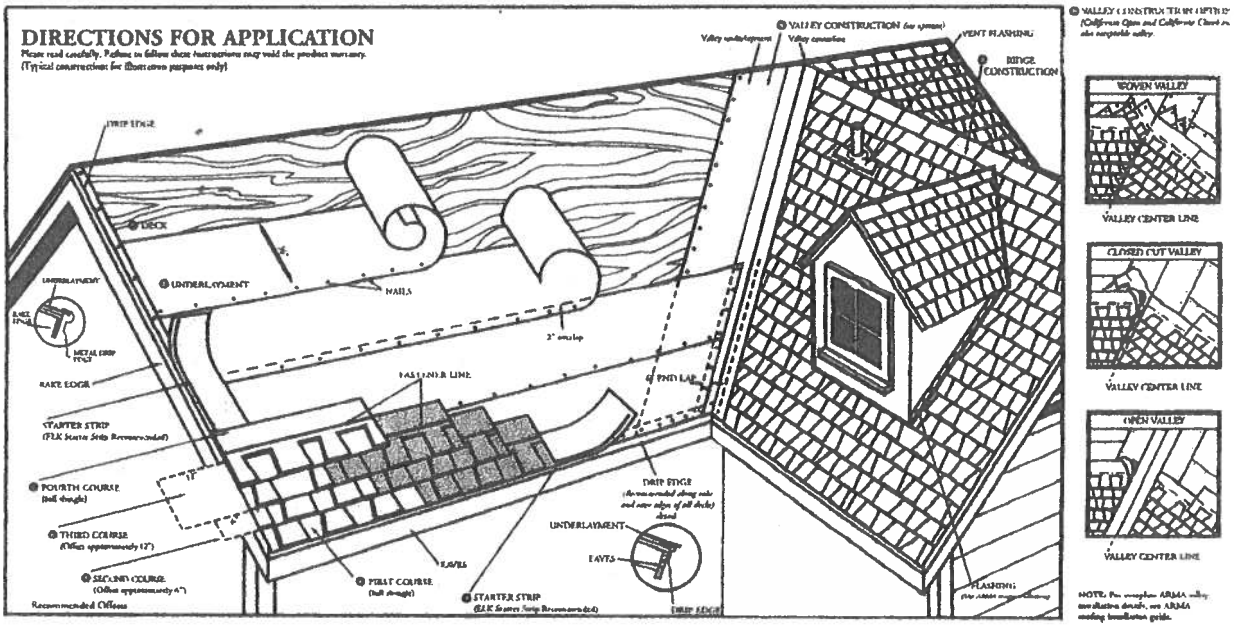
Preparation of Roof Deck: Roof deck to be dry, well-seasoned 1" x 6" (25.4mm x 152.4mm) boards; exterior-grade plywood (exposure 1 rated sheathing) at least 3/8" (9.525mm) thick conforming to the specifications of the American Plywood Association; 7/16" (11.074mm) oriented strandboard; or chipboard. Most fire retardant plywood decks are NOT approved substrates for Elk shingles. Consult Elk Field Service for application specifications over other decks and other slopes.

Materials: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater: apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. For Low slopes[4" per foot (101.6/304.8mm) to a minimum of 2" per foot (50.8/304.8mm)], use two plies of underlayment overlapped a minimum of 19". Fasteners shall be of sufficient length and holding power for securing material as required by the application instructions printed on shingle wrapper.

For areas where algae is a problem, shingles shall be (name) with StainGuard treatment, as manufactured by the Elk Tuscaloosa plant. Hip and ridge type to be Seal-A-Ridge with formula *FLX* with StainGuard treatment.

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All warranties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to meet Elk application requirements. In some areas, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements less than those contained in its application instructions.

For specifications in CSI format, call 800.354.SPEC (7732) or e-mail specinfo@elkcorp.com.



DIRECTIONS FOR APPLICATION

These application instructions are the minimum required to meet Elk's application requirements. Your failure to follow these instructions may void the product warranty. In some areas, the building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements that are less than those printed here. Shingles should not be jammed tightly together. All attics should be properly ventilated. Note: It is not necessary to remove tape on back of shingle.

❶ DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 6" boards or exterior grade plywood minimum 3/8" thick and conform to the specifications of the American Plywood Association or 7/16" oriented strandboard, or 7/16" chipboard.

❷ UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt). Elk Versashield® or self adhering underlayment is also acceptable. Cover drip edge at eaves only.

For low slope(2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 19". Begin by fastening a 19" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

EAVE FLASHING FOR ICE DAMS (ASK A ROOFING CONTRACTOR, REFER TO ARMA MANUAL OR CHECK LOCAL CODES)

For standard slope (4/12 to less than 21/12), use coated roll roofing of no less than 50 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

For low slope (2/12 up to 4/12), use a continuous layer of asphalt plastic cement between the two plies of underlayment from the eave edge up roof to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

Consult the Elk Technical Services Department for application specifications over other decks and other slopes.

❸ STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR THE HEADLAP OF A STRIP SHINGLE WITH THE ADHESIVE STRIP POSITIONED AT THE EAVE EDGE. With at least 3" trimmed from the end of the first shingle, start at the rake edge overhanging the eave and rake edges 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side.

❹ FIRST COURSE

Start at rake and continue course with full shingles laid flush with the starter course. Shingles may be applied with a course alignment of 45° on the roof

❺ SECOND COURSE

Offset the second course of shingles with respect to the first by approximately 6". Other offsets are approved if greater than 4".

❻ THIRD COURSE

Offset the next course by 6" with respect to the second course, or consistent with the original offset.

❼ FOURTH COURSE

Start at the rake and continue with full shingles across roof.

FIFTH AND SUCCEEDING COURSES.

Repeat application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof. Offsets may be adjusted around valleys and penetrations.

❽ VALLEY CONSTRUCTION

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures. For metal valleys, use 36" wide vertical underlayment prior to applying metal flashing (secure edge with nails). No nails are to be within 6" of valley center.

❾ RIDGE CONSTRUCTION

For ridge construction Elk recommends Class "A" Z®Ridge or Seal-A-Ridge® with formula *FLX*™ or RidgeCrest® with *FLX* (See ridge package for installation instructions). Vented RidgeCrest or 3-tab shingles are also approved.

FASTENERS

While nailing is the preferred method for Elk shingles, Elk will accept fastening methods according to the following instructions.

Using the fastener line as a reference, nail or staple the shingle in the double thickness common bond area. For shingles without a fastener line, nails or staples must be placed between and/or in the sealant dots.

NAILS: Corrosive resistant, 3/8" head, minimum 12-gauge roofing nails. Elk recommends 1-1/4" for new roofs and 1-1/2" for roof-overs. In cases where you are applying shingles to a roof that has an exposed overhang, for new roofs only, 3/4" ring shank nails are allowed to be used from the eave's edge to a point up the roof that is past the outside wall line. 1" ring shank nails allowed for re-roof.

STAPLES: Corrosive resistant, 16-gauge minimum, crown width minimum of 15/16". Note: An improperly adjusted staple gun can result in raised staples that can cause a fish-mouthed appearance and can prevent sealing.

Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less. This product meets the requirements of the IRC 2003 code when fastened with 4 nails.

MANSARD APPLICATIONS

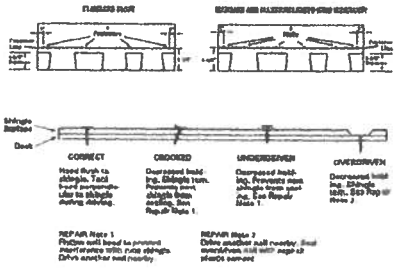
Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only fastening methods according to the above instructions are acceptable.

LIMITED WIND WARRANTY

- For a Limited Wind Warranty, all Prestique and Raised Profile™ shingles must be applied with 4 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.
- For a Limited Wind Warranty up to 110 MPH for Prestique Gallery Collection or Prestique Plus or 90 MPH for Prestique I, shingles must be applied with 6 properly placed NAILS per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY. Also, Elk Starter Strip shingles must be applied at the eaves and rake edges to qualify Prestique Plus, Prestique Gallery Collection and Prestique I shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Shingles or the Elk Starter Strip overhang the eaves or rake edge more than 3/4 of an inch.

HELP STOP BLOW-OFFS AND CALL-BACKS

A minimum of four fasteners must be driven into the DOUBLE THICKNESS (laminated) area of the shingle. Nails or staples must be placed along – and through – the "fastener line" or on products without fastener lines, nail or staple between and in line with sealant dots. CAUTION: Do not use fastener line for shingle alignment.



Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified.
All Prestique and Raised Profile shingles have a U.L.® Wind Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new construction.

CAUTION TO WHOLESALER: Careless and improper storage or handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

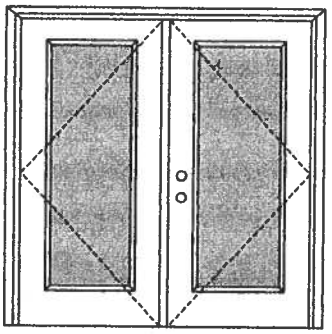
ELK
The Premium Choice
www.elkcorp.com

XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Double Door
Maximum unit size = 6'0" x 6'8"

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series

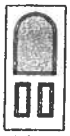

133, 135 Series


136 Series


680 Series


822 Series

1/2 GLASS:


105 Series*


106, 160 Series*


129 Series*


200 Series*


12 R/L, 23 R/L, 24 R/L Series*


107 Series*


108 Series


304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson™ EntrySystems

June 17, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

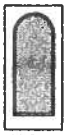
3/4 GLASS:


404 Series


410 Series


450 Series

FULL GLASS:


109 Series


114, 120, 122 Series


152 Series


149 Series


300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthy

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson™ EntrySystems

June 17, 2002

PREMDOR Collection Premium Quality Doors

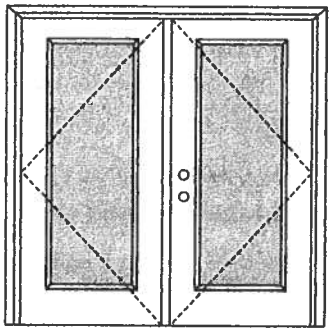
Exclusively from Masonite

XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Double Door
Maximum unit size = 6'0" x 6'8"

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series


133, 135 Series


136 Series


680 Series


822 Series

1/2 GLASS:


105 Series*


106, 160 Series*


129 Series*


200 Series*


12 R/L, 23 R/L, 24 R/L Series*


107 Series*


108 Series


304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson™ EntrySystems

June 17, 2002

PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®

Masonite International Corporation

XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:


404 Series


410 Series


450 Series

FULL GLASS:


109 Series


114, 120, 122 Series


152 Series


149 Series


300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthazor

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson™ EntrySystems

PREMDOR Collection

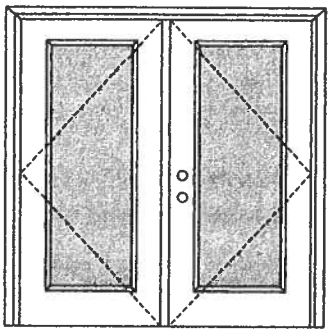
Exclusively from Masonite

XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Double Door
Maximum unit size = 6'0" x 6'8"

Design Pressure
+40.5/-40.5
Limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series


133, 135 Series


136 Series


680 Series


822 Series

1/2 GLASS:


105 Series*


106, 160 Series*


129 Series*


200 Series*


12 R/L, 23 R/L, 24 R/L Series*


107 Series*


108 Series


304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson™ EntrySystems

June 17, 2002

PREMDOR® Collection Premium Quality Doors

Exclusively from Masonite®

Masonite International Corporation

XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:

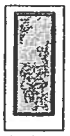

404 Series


410 Series


450 Series

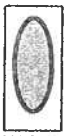
FULL GLASS:


109 Series


114, 120, 122 Series


152 Series


149 Series


300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthazor

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533

Warnock Hersey

Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson™ EntrySystems

PREMDOR Collection

Exclusively from Masonite

AAMA/NWWDA 101/I.S.2-97
TEST REPORT SUMMARY

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650 Fin
TYPE: Aluminum Single Hung Window

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft^2
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Hess, Technician

MAH:nlb

REEVES CERTIFICATE NO. 18354 STATE OF FLORIDA PROFESSIONAL ENGINEER

Architectural Testing

AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.*

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129

Allen N. Reeves

REEVES
No. 19354
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

Description	Quantity	Location
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft^2	0.3 cfm/ft^2 max

Note #1: The tested specimen meets the performance levels specified in AAMA/NWWDA 101/I.S. 2-97 for air infiltration.

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 25.9 psf (positive)	0.42"*	0.26" max.
	@ 34.7 psf (negative)	0.43"*	0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 38.9 psf (positive)	0.02"	0.18" max.
	@ 52.1 psf (negative)	0.02"	0.18" max.

ALLEN N. REEVES ★ CERTIFICATE NO. 18[illegible] ★ STATE OF [illegible] ★ PROFESSIONAL ENGINEER

Allen N. Reeves

Test Specimen Description: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.2	Deglazing Test (ASTM E 987)		
	In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"*	0.26" max.
	@ 47.2 psf (negative)	0.46"*	0.26" max.

**Exceeds L/175 for deflection, but passes all other test requirements.*

Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
@ 67.5 psf (positive)	0.05"	0.18" max.
@ 70.8 psf (negative)	0.05"	0.18" max.

ALLEN N. REEVES ★ CERTIFICATE NO. 19334 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER

Allen N. Reeves

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Technician

Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002

MAH:nlb
01-41134.01

AAMA/NWWDA 101/I.S.2-97
TEST REPORT

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650
TYPE: Aluminum Triple Single Hung Window

Title of Test	Summary of Results
AAMA Rating	H-R35 112 x 72
Uniform Load Deflection Test Pressure	+35.3 psf -47.2 psf
Operating Force	25 lb max.
Air Infiltration	0.16 cfm/ft^2
Water Resistance Test Pressure	5.25 psf
Uniform Load Structural Test Pressure	+53.0 psf -52.5 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to ATI Report No. 01-41641.01 for complete test specimen description and data.

ALLEN N. REEVES
NO. 18354
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Architectural Testing

AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
P.O. Box 370
650 West Market Street
Gratz, Pennsylvania 17030-0370

Report No: 01-41641.01
Test Date: 05/13/02
And: 05/16/02
Report Date: 06/05/02
Expiration Date: 05/16/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to witness testing on a Series/Model 650, aluminum triple single hung window at their facility located in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for a H-R35 112 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.*

Test Specimen Description:

Series/Model: 650

Type: Aluminum Triple Single Hung Window

Overall Size: 9' 3-1/2" wide by 5' 11-11/16" high

Active Sash Size (3): 3' 0-1/4" wide by 2' 10-3/4" high

Fixed Daylight Opening Size (3): 2' 8-1/4" wide by 2' 9-1/8" high

Screen Size (3): 2' 9-1/8" wide by 2' 11" high

Finish: All aluminum was painted white.

ALLEN N. REEVES
CERTIFICATE
NO. 19254
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Allen N. Reeves
7 JUNE 2002

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Test Specimen Description: (Continued)

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap-around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

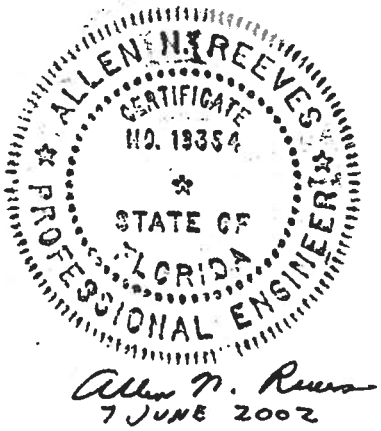
Weatherstripping:

Description	Quantity	Location
0.230" high by 0.270" backed polypile with center fin	Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" by 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. The meeting rail was secured to the frame utilizing two 1-1/4" screws. The mullions were secured utilizing four #8 x 1-1/4" screws through the head and sill into the mullion screw boss.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each stiles' screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.



Allen N. Reeves
7 JUNE 2002

Test Specimen Description: (Continued)

Hardware:

Description	Quantity	Location
Metal cam lock with keeper	1	Midspan of each active meeting rail with adjacent keepers
Plastic tilt latch	2	Each active sash meeting rail ends
Metal tilt pin	2	Each active sash bottom rail ends
Balance assembly	2	Each active sash contained one in each jamb
Screen plunger	2	Each screen contained two 4" from rail ends on top rail

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	25 lbs	30 lbs max.
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.16 cfm/ft^2	0.3 cfm/ft^2 max.

***Note #1**: The tested specimen meets the performance levels specified in AAMA/NWWDA 101/I.S. 2-97 for air infiltration.*

Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage

Allen N. Reeves
7 JUNE 2002

ALLEN N. REEVES CERTIFICATE NO. 13354 STATE OF FLORIDA PROFESSIONAL ENGINEER

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 52 seconds)		
	@ 15.0 psf (positive)	0.15"	0.41" max.
	@ 15.0 psf (negative)	0.29"	0.41" max.
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 10 seconds)		
	@ 22.5 psf (positive)	0.01"	0.29" max.
	@ 22.5 psf (negative)	0.01"	0.29" max.
2.2. .6.2	Deglazing Test (ASTM E 987-88) In operating direction at 70 lbs		
	Right sash, meeting rail	0.12"/25%	0.50"/100%
	Right sash, bottom rail	0.12"/25%	0.50"/100%
	Middle sash, meeting rail	0.12"/25%	0.50"/100%
	Middle sash, bottom rail	0.12"/25%	0.50"/100%
	Left sash, meeting rail	0.12"/25%	0.50"/100%
	Left sash, bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Right sash, right stile	0.06"/12%	0.50"/100%
	Right sash, left stile	0.06"/12%	0.50"/100%
	Middle sash, right stile	0.06"/12%	0.50"/100%
	Middle sash, left stile	0.06"/12%	0.50"/100%
	Left sash, right stile	0.06"/12%	0.50"/100%
	Left sash, left stile	0.06"/12%	0.50"/100%
2 .8	Forced Entry Resistance (ASTM F 588-97)		
	Type: A Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Allen N. Reeves
7 JUNE 2002

ALLEN N. REEVES ★ CERTIFICATE NO. 19354 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER ★

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Optional Performance			
4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 5.25 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 52 seconds)		
	@ 35.3 psf (positive)	0.46"*	0.41" max
	@ 47.2 psf (negative)	0.67"*	0.41" max

**Exceeds L/175 for deflection, but meets all other test requirements.*

Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 10 seconds)		
@ 53.0 psf (positive)	0.03"	0.29" max
@ 52.5 psf (negative)	0.02"	0.29" max

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC

Mark A. Hess
Technician

MAH:nlb
01-41641.01

Allen N. Reeves, P.E.
Director - Engineering Services
7 JUNE 2002

ALLEN N. REEVES
CERTIFICATE
NO. 19354
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Notice of Treatment 10133

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: Bayha Hill
City C Phone 752-1783

Site Location: Subdivision
Lot # Block# Permit # 24658
Address 3003 SE CR 245

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Dwelling	1916	625	4

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

9-5-06 1615 F254 Bunny

Date Time Print Technician's Name

Remarks:

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 14-4S-17-08354-116 **Building permit No.** 000024658

Use Classification SFD & UTILITY **Fire:** 61.38

Permit Holder JASON ELIXSON **Waste:** 184.25

Owner of Building A&B MANAGEMENT LLC/J. KEEN & JTWRS **Total:** 245.63

Location: 3003 SE COUNTRY RD 245(PRICE CREEK LANDING,LOT 18)

Date: 10/31/2006

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)