DATE 11/06/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000025204

APPLICANT GLENN KEEN PHONE 867.0156

ADDRESS 1534 SW DEKLE ROAD LAKE CITY FL 32024

OWNER JOHN KEEN/A&B MANAGEMNT,LLC PHONE 386.961.8223

ADDRESS 159 SW POPPY GLEN LAKE CITY FL 32024

CONTRACTOR JASON ELIXSON PHONE 386.623.1741

LOCATION OF PROPERTY 90-W TO SR 247-S TO CALLAHAN,TL TO ROLLING MEADOWS S.D. TO MORNING GLORY,TR TO BUTTERCUP,TR TO POPPY GLN,3RD ON R.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 85300.00

HEATED FLOOR AREA 1706.00 TOTAL AREA 2382.00 HEIGHT 18.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC

LAND USE & ZONING RSF-2 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

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

PARCEL ID 15-4S-16-03023-530 SUBDIVISION ROLLING MEADOWS

LOT 30 BLOCK PHASE UNIT TOTAL ACRES 0.50

000001251		CBC1250331		
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
18"X32'MITERED	X-06-0321	BLK	JTH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE. PLAT REQUIRES 1ST. FLOOR ELEVATION OF 107.5'. ELEVATION LETTER REQUIRED.

Check # or Cash 1191

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 $ 430.00 CERTIFICATION FEE $ 11.91 SURCHARGE FEE $ 11.91

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** 553.82

INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

For Office Use Only Application # 0610-69 Date Received 10/24 By JW Permit # 25204-1251

Application Approved by - Zoning Official BLK Date 06.11.06 Plans Examiner OK JTH Date 11-6-06

Flood Zone X per plat Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Low Dev.

Comments Plat Requires 1st Floor Elevation of 107.5' Elevation Letter Required,

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

Fax (386) 758-9175

Name Authorized Person Signing Permit Glenn Keen / Keith Framing Phone (386) 867-0156

Address 1534 SW Deckle Rd. Lake City, FL 32024

Owners Name John Keen / A&B Management Phone (386) 961-8223

911 Address 159 SW Poppy Glen Rd. Lake City, FL 32024

Contractors Name Jason Elixson Construction LLC Phone (386) 623-1741

Address 4853 West SR 238 Lake Butler, FL 32054

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address

Architect/Engineer Name & Address Jason Elixson / Marty R. Eskridge 14952 Main St Alachua, FL 32615

Mortgage Lenders Name & Address

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

Property ID Number 15-4S-16-03023-530 Estimated Cost of Construction 88,600.00

Subdivision Name Rolling Meadows Lot 30 Block ____ Unit ____ Phase ____

Driving Directions Go 90 West to Hwy 247, turn left, go south 2 miles to [illegible] Turn left go 1 mile to Rolling Meadows Subdivision, turn right on [illegible] go 2 blocks to Poppy Glen Rd turn left 3rd lot on right

Type of Construction Residential / New Home 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 Drive

Actual Distance of Structure from Property Lines - Front 50' Side 20' Side 20' Rear 90'

Total Building Height 18 Number of Stories 1 Heated Floor Area 1706 Roof Pitch 6/12

TOTAL 2382

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

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

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

[signature] Keith Framing

Owner Builder or Authorized Person by Notarized Letter

[signature]

Contractor Signature

Contractors License Number CBC 1250331

Competency Card Number

NOTARY STAMP/SEAL

NOTARY PUBLIC STATE OF FLORIDA — BARRY COLEMAN MY COMMISSION # DD [illegible] EXPIRES: September 24, 2[illegible] Bonded Thru Budget Notary Serv[illegible]

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

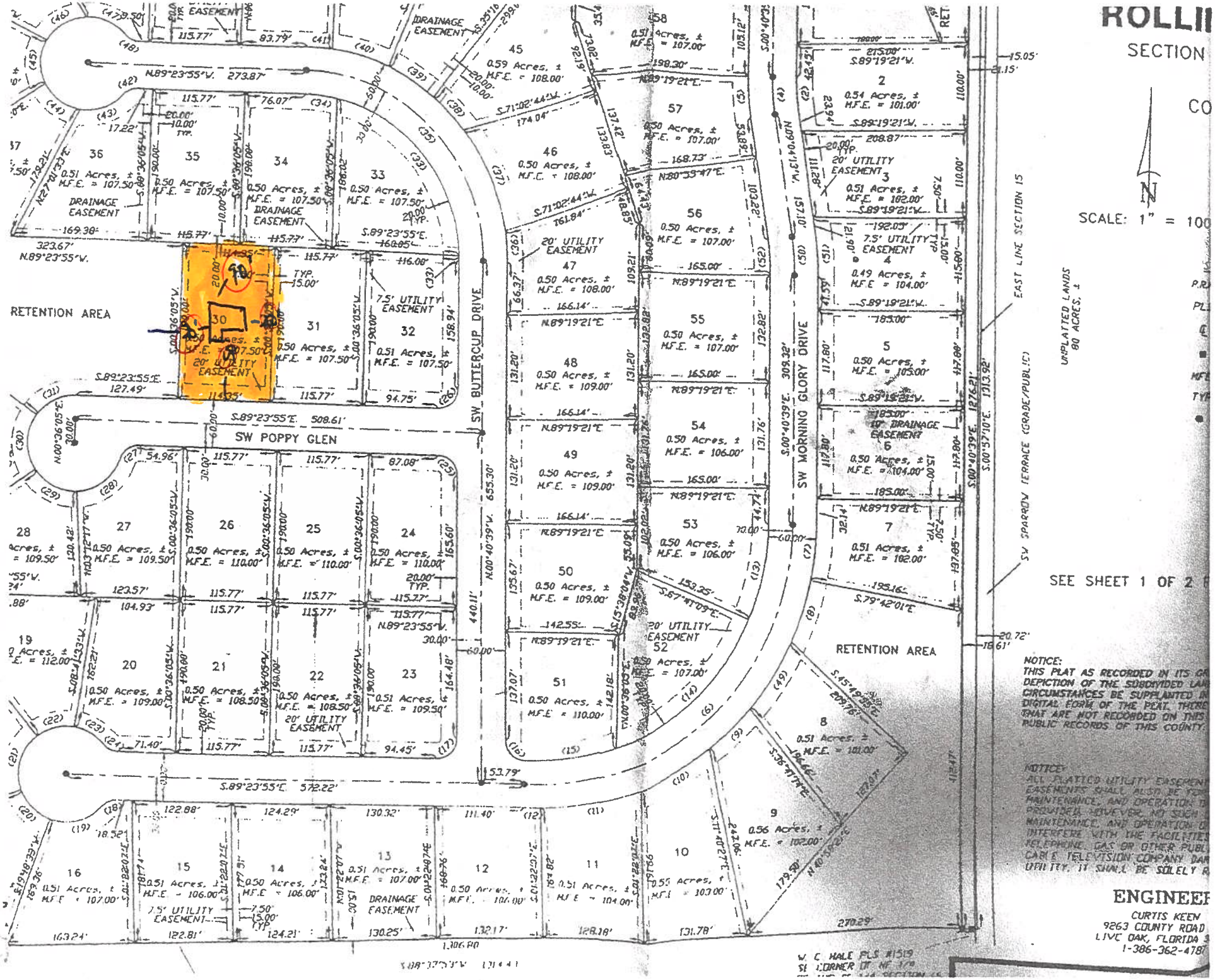
this 17th day of Oct 2006.

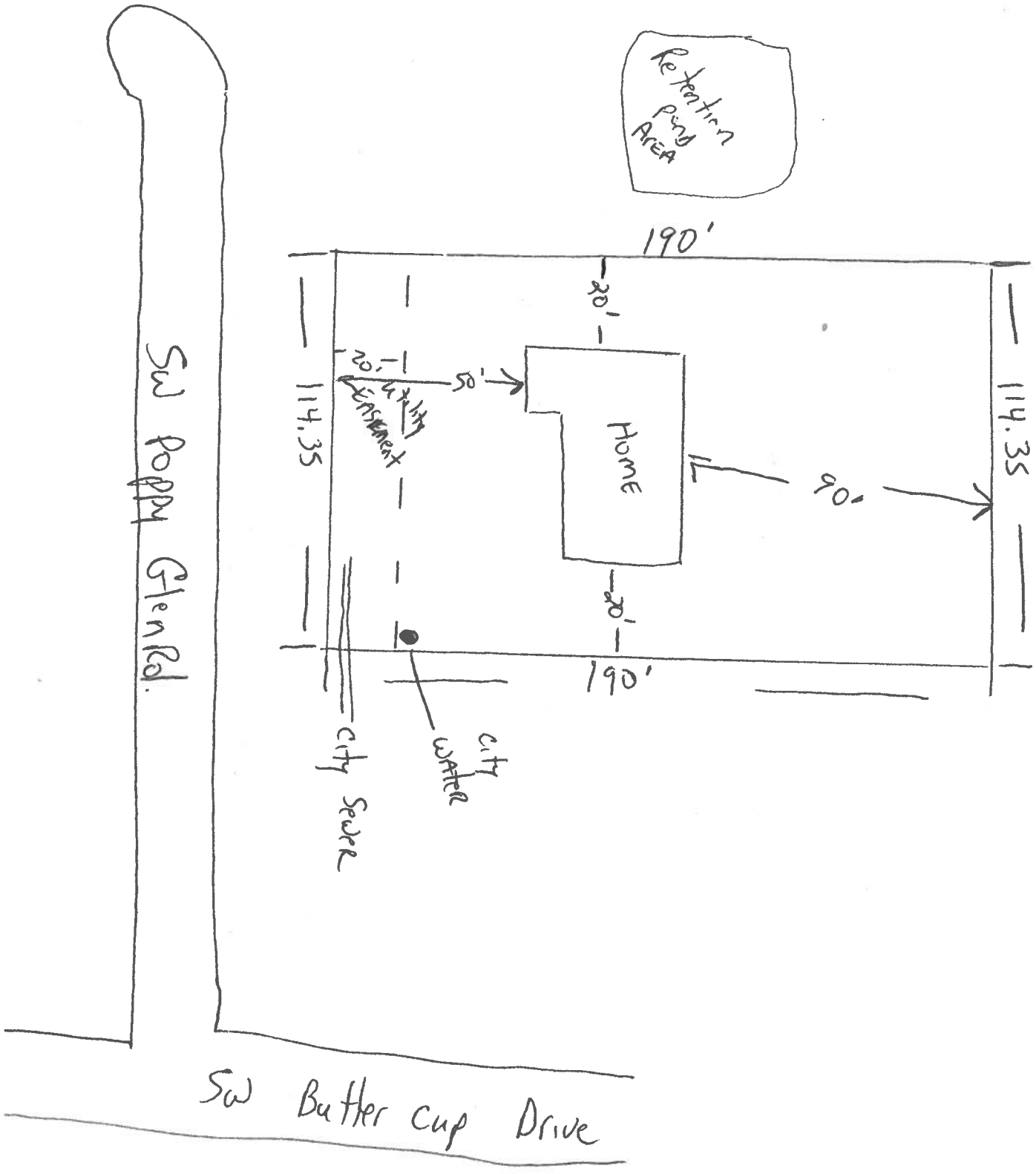
Personally known ✓ or Produced Identification ____

[signature]

Notary Signature

(Revised Sept. 2


ROLLI
SECTION
SCALE: 1" = 100
SW BUTTERCUP DRIVE
SW MORNING GLORY DRIVE
SW POPPY GLEN
SW SPARROW TERRACE (GRADE/PUBLIC)
EAST LINE SECTION 15
UNPLATTED LANDS
80 ACRES, ±
RETENTION AREA
RETENTION AREA
DRAINAGE EASEMENT
20' UTILITY EASEMENT
7.5' UTILITY EASEMENT
SEE SHEET 1 OF 2
NOTICE:
THIS PLAT AS RECORDED IN ITS
DEPICTION OF THE SUBDIVIDED LA
CIRCUMSTANCES BE SUPPLANTED
DIGITAL FORM OF THE PLAT. THERE
WHAT ARE NOT RECORDED ON THIS
PUBLIC RECORDS OF THIS COUNTY.
NOTICE:
ALL PLATTED UTILITY EASEMENT
EASEMENTS SHALL ALSO BE
MAINTENANCE, AND OPERATION
PROVIDED, HOWEVER, NO SUCH
MAINTENANCE, AND OPERATION
INTERFERE WITH THE FACILITIES
TELEPHONE, GAS OR OTHER PUBL
CABLE TELEVISION COMPANY HA
UTILITY. IT SHALL BE SOLELY
ENGINEE
CURTIS KEEN
9263 COUNTY ROAD
LIVE OAK, FLORIDA
1-386-362-478
W. C. HALE PLS #1519
SE CORNER OF NE 1/4


Retention pond Area
190'
20'
20' Easement
50'
114.35
Home
90'
114.35
20'
190'
City Sewer
City Water
SW Poppy Glen Rd.
SW Butter cup Drive

K & H Framing/Vinyl Siding, Inc.

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

Direction to
Rolling Meadows lot #30

October 24, 2006

Go Hwy 90 West to Hwy 247 South. Turn left and go 2 miles to Callahan drive. Turn left on Callahan Drive and go 1 mile to Morning Glory Drive (Rolling Meadows entrance). Turn right into subdivision on Morning Glory and go ¼ mile to SW Buttercup Drive. Turn right on Buttercup and go 2 blocks to Poppy Glenn Rd. Turn left and go to third lot on right.

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 15-4S-16-03023-530 PERMIT NUMBER _____

1. Description of property: (legal description of the property and street address or 911 address)
159 SW Poppy Glen Rd Lake City, FL 32024

2. General description of improvement: Residential / new Home

3. Owner Name & Address John W. Keen / A&B Management, LLC, Interest in Property _____

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

5. Contractor Name Jason Elixson Const. LLC Phone Number (386) 623-1741
Address 4853 West SR 238 Lake Butler, FL 32054

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

Inst:2006024247 Date:10/11/2006 Time:13:24
DC,P.DeWitt Cason,Columbia County B:1098 P:1951

7. Lender Name _____
Address _____

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name _____ Phone Number _____
Address _____

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

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

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

John K
Signature of Owner

Sworn to (or affirmed) and subscribed before day of 5th Oct, 20 06

NOTARY STAMP/SEAL

BARRY COLEMAN
MY COMMISSION # DD 597907
EXPIRES: September 24, 2010
Bonded Thru Budget Notary Services

Signature of Notary

Corporate Warranty Deed

Inst:2006022132 Date:09/15/2006 Time:13:46
Doc Stamp-Deed : 630.00
DC,P.DeWitt Cason,Columbia County B:1056 P:648

This Indenture, made this September 15th, 2006 A.D.

Between

MILESTONE HS, LLC, a Florida Limited Liability Company, whose post office address is: PO Box 3001, Lake City, FL 32056; Grantor and **A & B MANAGEMENT, LLC, a Florida Limited Liability Company 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: 3624 NW Brown Road, Lake City, Florida 32055, Grantee,

Witnesseth, that the said Grantor, for and in consideration of the sum of Ten and No/100 Dollars ($10.00), to it in hand paid by the said Grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said Grantee forever, the following described land, situate, lying and being in the County of Columbia, State of Florida, to wit:

Lots 30 and 59, ROLLING MEADOWS, according to the Plat thereof, recorded in Plat Book 8, Pages 45 and 46, of the Public Records of Columbia County, Florida.

Subject to taxes for the current year, covenants, restrictions and easements of record, if any.

Parcel Identification Number:

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

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 to 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, 2005.

In Witness Whereof, the said Grantor has caused this instrument to be executed in its name by its duly authorized officer and caused its corporate seal to be affixed the day and year first above written.

MILESTONE HS, LLC
a Florida Limited Liability Company

Signed and Sealed in Our Presence:

By: _____
Robert S. Stewart, Manager

Witness Printed Name: **Matthew D. Rocco**

Witness Printed Name: Melinda M. Weaver

(Corporate Seal)

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 15th day of September, 2006, by Robert S. Stewart, Manager of Milestone HS, LLC, a Florida Limited Liability Company, on behalf of the company.
He is personally known to me or has produced Drivers License as identification.

_____ (Seal)
Notary Public
Notary Printed Name: _____

My Commission Expires::

Matthew Rocco
My Commission DD150709
Expires September 17, 2008

06-0274
Prepared by & Return to:
Matt Rocco
Sierra Title, LLC,
619 SW Baya Drive, Suite 102
Lake City, Florida 32025

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	ROLLING MEADOWS 30	Builder:	K&H FRAMING INC.
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	25204
Owner:		Jurisdiction Number:	221000
Climate Zone:	North		

1.	New construction or existing	New
2.	Single family or multi-family	Single family
3.	Number of units, if multi-family	1
4.	Number of Bedrooms	3
5.	Is this a worst case?	Yes
6.	Conditioned floor area (ft²)	1706 ft²
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)	
	a. U-factor:	Description / Area
	(or Single or Double DEFAULT) 7a.	(Dble Default) 110.0 ft²
	b. SHGC:	
	(or Clear or Tint DEFAULT) 7b.	(Clear) 110.0 ft²
8.	Floor types	
	a. Slab-On-Grade Edge Insulation	R=0.0, 169.0(p) ft
	b. N/A	
	c. N/A	
9.	Wall types	
	a. Frame, Wood, Exterior	R=13.0, 1179.0 ft²
	b. Frame, Wood, Adjacent	R=13.0, 262.0 ft²
	c. N/A	
	d. N/A	
	e. N/A	
10.	Ceiling types	
	a. Under Attic	R=30.0, 1706.0 ft²
	b. Under Attic	R=19.0, 122.0 ft²
	c. N/A	
11.	Ducts	
	a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 199.0 ft
	b. N/A	
12.	Cooling systems	
	a. Central Unit	Cap: 29.3 kBtu/hr SEER: 13.00
	b. N/A	
	c. N/A	
13.	Heating systems	
	a. Electric Heat Pump	Cap: 28.0 kBtu/hr HSPF: 7.00
	b. N/A	
	c. N/A	
14.	Hot water systems	
	a. Electric Resistance	Cap: 50.0 gallons EF: 0.92
	b. N/A	
	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	

Glass/Floor Area: 0.06

Total as-built points: 22584
Total base points: 26295

PASS

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

PREPARED BY: SUNCOAST INSULATORS 825 NW 253rd Terrace Newberry, FL (352) 472-[illegible] Fax (352) 472-[illegible]

DATE: 10-16-04

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

OWNER/AGENT: ______________________

DATE: ______________________

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

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

BUILDING OFFICIAL: ______________________

DATE: ______________________

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , 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	1706.0	20.04	6153.9	Double, Clear	W	2.0	6.0	35.0	38.52	0.85	1145.3
				Double, Clear	N	2.0	6.0	6.0	19.20	0.90	103.7
				Double, Clear	E	2.0	6.0	69.0	42.06	0.85	2461.3
				As-Built Total:				**110.0**			**3710.3**
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Adjacent	262.0	0.70	183.4	Frame, Wood, Exterior			13.0	1179.0	1.50		1768.5
Exterior	1179.0	1.70	2004.3	Frame, Wood, Adjacent			13.0	262.0	0.60		157.2
Base Total:	**1441.0**		**2187.7**	**As-Built Total:**				**1441.0**			**1925.7**
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points
Adjacent	18.0	2.40	43.2	Exterior Insulated				36.0	4.10		147.6
Exterior	36.0	6.10	219.6	Adjacent Insulated				18.0	1.60		28.8
Base Total:	**54.0**		**262.8**	**As-Built Total:**				**54.0**			**176.4**
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points
Under Attic	1706.0	1.73	2951.4	Under Attic			30.0	1706.0	1.73 X 1.00		2951.4
				Under Attic			19.0	122.0	2.34 X 1.00		285.5
Base Total:	**1706.0**		**2951.4**	**As-Built Total:**				**1828.0**			**3236.9**
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Slab	169.0(p)	-37.0	-6253.0	Slab-On-Grade Edge Insulation			0.0	169.0(p	-41.20		-6962.8
Raised	0.0	0.00	0.0								
Base Total:			**-6253.0**	**As-Built Total:**				**169.0**			**-6962.8**
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points
	1706.0	10.21	17418.3					1706.0	10.21		17418.3

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT						
Summer Base Points: 22721.0			**Summer As-Built Points:**						**19504.7**
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 29300 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)						
			19505	1.00	(1.09 x 1.147 x 1.00)	0.263	1.000	6402.1	
22721.0	**0.4266**	**9692.8**	**19504.7**	**1.00**	**1.250**	**0.263**	**1.000**	**6402.1**	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , 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	1706.0	12.74	3912.2	Double, Clear	W	2.0	6.0	35.0	20.73	1.04	756.5
				Double, Clear	N	2.0	6.0	6.0	24.58	1.00	148.2
				Double, Clear	E	2.0	6.0	69.0	18.79	1.06	1375.2
				As-Built Total:				**110.0**			**2279.9**
WALL TYPES	Area X	BWPM	= Points	Type		R-Value		Area X	WPM	=	Points
Adjacent	262.0	3.60	943.2	Frame, Wood, Exterior		13.0		1179.0	3.40		4008.6
Exterior	1179.0	3.70	4362.3	Frame, Wood, Adjacent		13.0		262.0	3.30		864.6
Base Total:	**1441.0**		**5305.5**	**As-Built Total:**				**1441.0**			**4873.2**
DOOR TYPES	Area X	BWPM	= Points	Type				Area X	WPM	=	Points
Adjacent	18.0	11.50	207.0	Exterior Insulated				36.0	8.40		302.4
Exterior	36.0	12.30	442.8	Adjacent Insulated				18.0	8.00		144.0
Base Total:	**54.0**		**649.8**	**As-Built Total:**				**54.0**			**446.4**
CEILING TYPES	Area X	BWPM	= Points	Type		R-Value		Area X	WPM X	WCM =	Points
Under Attic	1706.0	2.05	3497.3	Under Attic		30.0		1706.0	2.05 X	1.00	3497.3
				Under Attic		19.0		122.0	2.70 X	1.00	329.4
Base Total:	**1706.0**		**3497.3**	**As-Built Total:**				**1828.0**			**3826.7**
FLOOR TYPES	Area X	BWPM	= Points	Type		R-Value		Area X	WPM	=	Points
Slab	169.0(p)	8.9	1504.1	Slab-On-Grade Edge Insulation		0.0		169.0(p	18.80		3177.2
Raised	0.0	0.00	0.0								
Base Total:			**1504.1**	**As-Built Total:**				**169.0**			**3177.2**
INFILTRATION	Area X	BWPM	= Points					Area X	WPM	=	Points
	1706.0	-0.59	-1006.5					1706.0	-0.59		-1006.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**13862.4**	**Winter As-Built Points:**					**13596.8**
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 28000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0					
13862.4	0.6274	8697.2	13596.8	1.000	(1.069 x 1.169 x 1.00)	0.487	1.000	8277.3
			13596.8	**1.00**	**1.250**	**0.487**	**1.000**	**8277.3**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3		2635.00	7905.0	50.0	0.92	3		1.00	2635.00	1.00	7905.0
				As-Built Total:							***7905.0***

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	Heating Points	Hot Water Points	Total Points	Cooling Points	Heating Points	Hot Water Points	Total Points
9693	**8697**	**7905**	**26295**	**6402**	**8277**	**7905**	**22584**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.7

The higher the score, the more efficient the home.

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 29.3 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 13.00
4.	Number of Bedrooms	3		b. N/A	
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	1706 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) 110.0 ft²		a. Electric Heat Pump	Cap: 28.0 kBtu/hr
	b. SHGC:				HSPF: 7.00
	(or Clear or Tint DEFAULT) 7b.	(Clear) 110.0 ft²		b. N/A	
8.	Floor types				
	a. Slab-On-Grade Edge Insulation	R=0.0, 169.0(p) ft		c. N/A	
	b. N/A				
	c. N/A		14.	Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 50.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 1179.0 ft²			EF: 0.92
	b. Frame, Wood, Adjacent	R=13.0, 262.0 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, 1706.0 ft²	15.	HVAC credits	
	b. Under Attic	R=19.0, 122.0 ft²		(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 199.0 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: A K / Jason Elixson Date: 10/16/08

Address of New Home: 159 SW Poppy Glen Rd. City/FL Zip: Lake City, FL 32024

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

**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.

ROLLING MEADOWS LOT 30
HVAC LOAD ANALYSIS

for

K&H FRAMING

Prepared By:

DAVID HALL
DAVID HALL'S INC.
PO BOX 244
LAKE CITY FL.
386-755-9792
10/9/06

Miscellaneous Project Data

Project File Name: K & H FRAMING, LOT 30

System Input Data

---System 1---	Outdoor Dry Bulb	Outdoor Wet Bulb	Indoor Rel.Hum.	Indoor Dry Bulb	Grains Difference
Winter:	31	N/A	N/A	72	N/A
Summer:	98	83	50%	75	83

External Overhangs

No.	Projection	Offset	No.	Projection	Offset
1	3	1	6	0	0
2	5	0	7	0	0
3	4	0.5	8	0	0
4	0	0	9	0	0
5	0	0	10	0	0

Duct Sizing Inputs

	Runouts		Main Trunk	
Duct Material:	Flexible Duct		Fiberglass Duct Board	
Roughness Factor:	0.010000		0.003000	
Pressure Drop:	0.1000	In.wg/100 Ft.	0.1000	In.wg/100 Ft.
Minimum Velocity:	450.0	Ft./Minute	650.0	Ft./Minute
Maximum Velocity:	750.0	Ft./Minute	900.0	Ft./Minute
Minimum Height:	0	Inches	0	Inches
Maximum Height:	0	Inches	0	Inches

Outside Air Data

	Winter		Summer	
Infiltration:	0.900	AC/Hr	0.400	AC/Hr
Volume of Conditioned Space:	X 14348	Cu.Ft.	X 14348	Cu.Ft.
	12,913	Cu.Ft./Hr	5,739	Cu.Ft./Hr
	X 0.0167		X 0.0167	
Total Building Infiltration:	215.22	CFM	95.65334	CFM
Total Building Ventilation:	0	CFM	0	CFM

---System 1---

Infiltration & Ventilation Sensible Gain Multiplier:	25.30	= (1.10 X 23.00 Summer Temp. Difference)
Infiltration & Ventilation Latent Gain Multiplier:	56.64	= (0.68 X 83.30 Grains Difference)
Infiltration & Ventilation Sensible Loss Multiplier:	45.10	= (1.10 X 41.00 Winter Temp. Difference)

Total Building Summary Loads

Component Description	Area Quan	Sen. Loss	Lat. Gain	Sen. Gain	Total Gain
3C Window Double Pane Clear Glass Metal Frame	86	2,557	0	2,900	2,900
9G French Door Double Clear Glass Wood Frame	42	899	0	1,016	1,016
11C Door Metal Polystyrene Core	63	1,215	0	789	789
12C Wall R-11 + 1/2" Gypsum(R-0.5)	1,179	4,352	0	2,819	2,819
16G Ceiling R-30 Insulation	1,706	2,307	0	2,645	2,645
22A Slab on Grade No Edge Insulation	169	5,613	0	0	0
Subtotals for structure:	3,245	16,943	0	10,169	10,169
Active People:	4	0	920	1,200	2,120
Inactive People:	0	0	0	0	0
Appliances:	0	0	1,200	1,200	2,400
Lighting:	0	0		4,774	
Ductwork:	0	1,439	0	2,046	2,046
Infiltration: Winter CFM: 215.2, Summer CFM: 95.7	191	9,705	5,419	2,419	7,838
Ventilation: Winter CFM: 0.0, Summer CFM: 0.0	0	0	0	0	0
Sensible Gain Total:				21,808	
Temperature Swing Multiplier:				X1.00	
Building Load Totals:		28,087	7,539	21,808	29,347

Check Figures

Total Building Supply CFM:	991	CFM per square foot:	0.581
Square feet of room area:	1,706	Square feet per ton:	624.56

Building Loads

Total heating required with outside air:	28,087 Btuh	28.087	MBH
Total sensible gain:	21,808 Btuh	74	%
Total latent gain:	7,539 Btuh	26	%
Total cooling required with outside air:	29,347 Btuh	2.446	Tons (based on sensible + latent)
		2.732	Tons (based on 77% sensible capacity)

Notes

Calculations are based on 7th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.

System #1 Summary Loads

Component Description	Area Quan	Sen. Loss	Lat. Gain	Sen. Gain	Total Gain
3C Window Double Pane Clear Glass Metal Frame	86	2,557	0	2,900	2,900
9G French Door Double Clear Glass Wood Frame	42	899	0	1,016	1,016
11C Door Metal Polystyrene Core	63	1,215	0	789	789
12C Wall R-11 + 1/2" Gypsum(R-0.5)	1,179	4,352	0	2,819	2,819
16G Ceiling R-30 Insulation	1,706	2,307	0	2,645	2,645
22A Slab on Grade No Edge Insulation	169	5,613	0	0	0
Subtotals for structure:	3,245	16,943	0	10,169	10,169
Active People:	4	0	920	1,200	2,120
Inactive People:	0	0	0	0	0
Appliances:	0	0	1,200	1,200	2,400
Lighting:	0	0		4,774	
Ductwork:	0	1,439	0	2,046	2,046
Infiltration: Winter CFM: 215.2, Summer CFM: 95.7	191	9,705	5,419	2,419	7,838
Ventilation: Winter CFM: 0.0, Summer CFM: 0.0	0	0	0	0	0
Sensible Gain Total:				21,808	
Temperature Swing Multiplier:				X1.00	
System Load Totals:		28,087	7,539	21,808	29,347

Check Figures

Supply CFM:	991	CFM per square foot:	0.581
Square feet of room area:	1,706	Square feet per ton:	624.56

System Loads

Total heating required with outside air:	28,087 Btuh	28.087	MBH
Total sensible gain:	21,808 Btuh	74	%
Total latent gain:	7,539 Btuh	26	%
Total cooling required with outside air:	29,347 Btuh	2.446	Tons (based on sensible + latent)
		2.732	Tons (based on 77% sensible capacity)

Notes

Calculations are based on 7th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.

Room Load Summary Reports

System #1 Room Load Summary

No	Room Name	Area SF	Htg Sens Btuh	Htg Nom CFM	Run Duct Size	Run Duct Vel	Clg Sens Btuh	Clg Lat Btuh	Clg Nom CFM	Zone Adj Fact	Clg Adj CFM	Air Sys CFM
	---Zone 1---											
1	Equipment Room	32	2,157	28	1-4	604	1,159	596	53	1.00	53	53
2	Laundry	75	2,412	31	1-4	673	1,293	596	59	1.00	59	59
3	Master Bedroom	165	3,705	48	1-6	569	2,459	1,081	112	1.00	112	112
4	Master Bath	84	1,468	19	1-4	702	1,348	170	61	1.00	61	61
5	Master Closet	36	846	11	1-3	641	692	0	31	1.00	31	31
6	Entry	87	1,917	25	1-4	602	1,155	596	53	1.00	53	53
7	Kitchen/eating	330	3,070	40	2-6	590	4,367	1,997	199	1.17	232	199
8	Family Room	342	4,907	64	2-5	626	3,755	1,421	171	1.00	171	171
9	Bath #2	120	859	11	1-4	432	830	0	38	1.00	38	38
10	Bedroom#2	193	3,321	43	1-6	506	2,187	656	99	1.00	99	99
11	Bedroom#3	193	3,321	43	1-6	577	2,104	426	96	1.18	113	96
12	Hall	49	104	1	1-3	425	459	0	21	1.00	21	21
System 1 Totals		1706	28,087	365			21,808	7,539	991		1,042	991

Main Trunk Size: 16x12 in.

System #1 Cooling System Summary

	Cooling Tons	Sensible/Latent Split	Sensible Btuh	Latent Btuh	Total Btuh
Net Required:	2.446	74%/26%	21,808	7,539	29,347
Recommended:	2.732	77%/23%	25,239	7,539	32,778

Columbia County 9-1-1 Addressing / GIS Department
Address Assignment Data for Rolling Meadows Subdivision
Section 15, Township 4 South, Range 16 East

LOT#	ADDRESS
LOT1	121 SW MORNING GLORY DR
LOT2	145 SW MORNING GLORY DR
LOT3	165 SW MORNING GLORY DR
LOT4	187 SW MORNING GLORY DR
LOT5	209 SW MORNING GLORY DR
LOT6	231 SW MORNING GLORY DR
LOT7	253 SW MORNING GLORY DR
LOT8	283 SW MORNING GLORY DR
LOT9	299 SW MORNING GLORY DR
LOT10	311 SW MORNING GLORY DR
LOT11	333 SW MORNING GLORY DR
LOT12	357 SW MORNING GLORY DR
LOT13	381 SW MORNING GLORY DR
LOT14	405 SW MORNING GLORY DR
LOT15	429 SW MORNING GLORY DR
LOT16	453 SW MORNING GLORY DR
LOT17	463 SW MORNING GLORY DR
LOT18	464 SW MORNING GLORY DR
LOT19	456 SW MORNING GLORY DR
LOT20	442 SW MORNING GLORY DR
LOT21	418 SW MORNING GLORY DR
LOT22	396 SW MORNING GLORY DR
*LOT23	374 SW MORNING GLORY DR
*LOT23	124 SW BUTTERCUP DR
*LOT24	158 SW BUTTERCUP DR
*LOT24	116 SW POPPY GLN
LOT25	136 SW POPPY GLN
LOT26	158 SW POPPY GLN
LOT27	182 SW POPPY GLN
LOT28	208 SW POPPY GLN
LOT29	209 SW POPPY GLN
LOT30	159 SW POPPY GLN

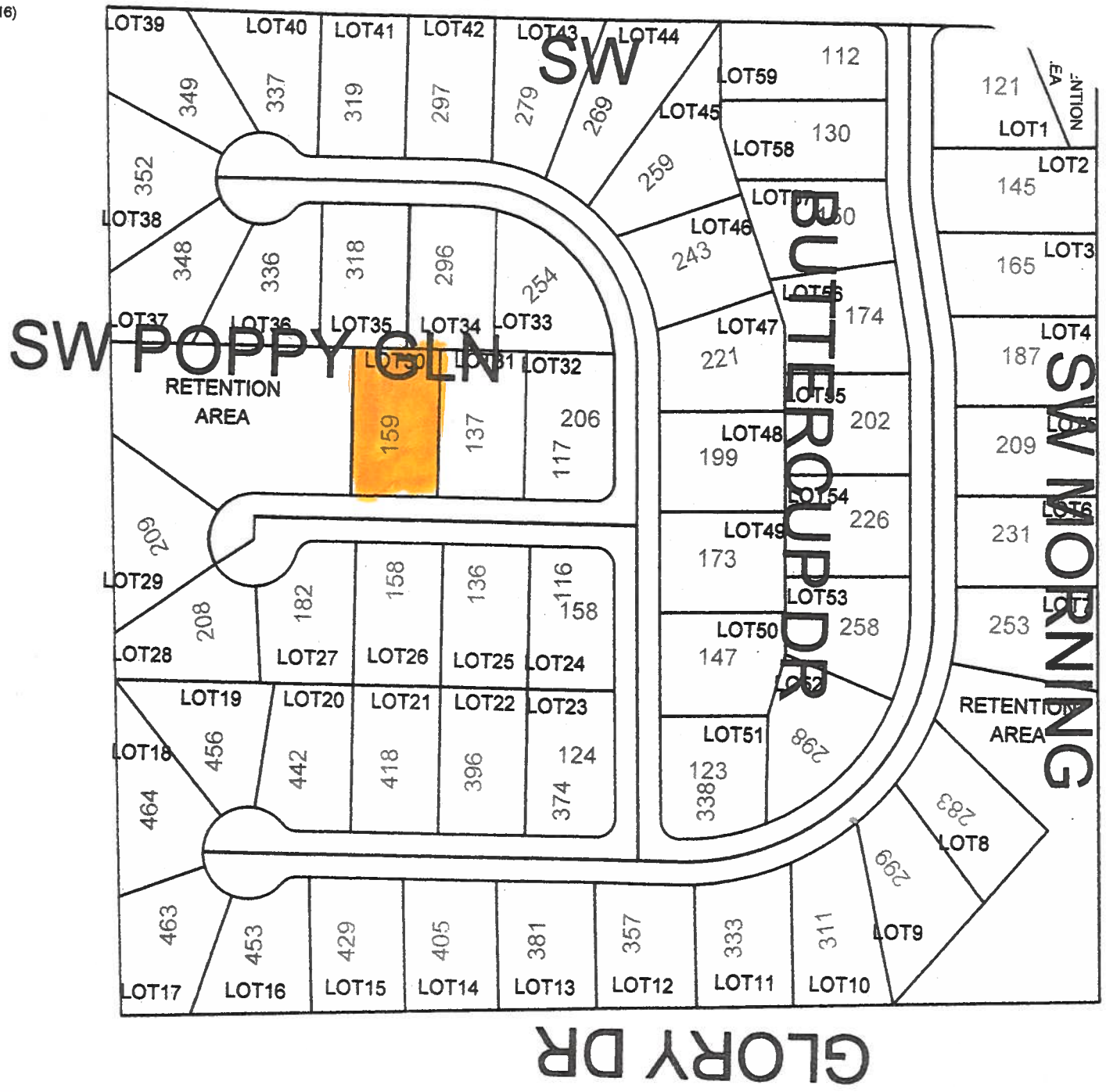
LOT#	ADDRESS
LOT31	137 SW POPPY GLN
*LOT32	206 SW BUTTERCUP DR
*LOT32	117 SW POPPY GLN
LOT33	254 SW BUTTERCUP DR
LOT34	296 SW BUTTERCUP DR
LOT35	318 SW BUTTERCUP DR
LOT36	336 SW BUTTERCUP DR
LOT37	348 SW BUTTERCUP DR
LOT38	352 SW BUTTERCUP DR
LOT39	349 SW BUTTERCUP DR
LOT40	337 SW BUTTERCUP DR
LOT41	319 SW BUTTERCUP DR
LOT42	297 SW BUTTERCUP DR
LOT43	279 SW BUTTERCUP DR
LOT44	269 SW BUTTERCUP DR
LOT45	259 SW BUTTERCUP DR
LOT46	243 SW BUTTERCUP DR
LOT47	221 SW BUTTERCUP DR
LOT48	199 SW BUTTERCUP DR
LOT49	173 SW BUTTERCUP DR
LOT50	147 SW BUTTERCUP DR
*LOT51	338 SW MORNING GLORY DR
*LOT51	123 SW BUTTERCUP DR
LOT52	298 SW MORNING GLORY DR
LOT53	258 SW MORNING GLORY DR
LOT54	226 SW MORNING GLORY DR
LOT55	202 SW MORNING GLORY DR
LOT56	174 SW MORNING GLORY DR
LOT57	150 SW MORNING GLORY DR
LOT58	130 SW MORNING GLORY DR
LOT59	112 SW MORNING GLORY DR

(NOTE: * IDENTIFIES CORNER LOTS. CONTACT THE 9-1-1 ADDRESSING DEPARTMENT FOR CORRECT ADDRESS.)

159 SW Poppy Glen Rd.
Lake City, FL 32024

bia County 9-1-1 Addressing / GIS Department
23 November 2005
p: Rolling Meadows Subdivision (15-4S-16)
Address Assignments

Scale: 1 inch = 200 feet



COLUMBIA COUNTY 9-1-1 ADDRESSING

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

To: Mr. John Kerce, Building and Zoning Coordinator

Fr: Ronal Croft, 9-1-1 Addressing

Dt: November 23, 2005

Re: 9-1-1 Addressing of "Rolling Meadows" Subdivision.

Please find attached 9-1-1 Addressing data for Rolling Meadows Subdivision in Section 15, Township 4 South, Range 16 East.

NOTE: Please contact the 9-1-1 Address Department concerning addresses for corner lots 23, 24, 32 and 51. Also, contact the 9-1-1 Address Department if two or more lots are to be combined for one residential location, as this will affect the address number.

Please contact us at Telephone Number 758-1125 if there are any questions concerning the addressing of this subdivision.

XC: Environmental Health Department
Lake City Post Office
George Johnson, Bell South
Larry Cook, Property Appraiser's Office
File

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001251

DATE 11/06/2006 PARCEL ID # 15-4S-16-03023-530

APPLICANT GLENN KEEN PHONE 961.8223

ADDRESS 1534 SW DEKLE ROAD LAKE CITY FL 32024

OWNER JOHN KEEN/A&B MANAGEMENT,LLC PHONE 961.8223

ADDRESS 159 SW POPPY GLEN LAKE CITY FL 32024

CONTRACTOR JASON ELIXSON PHONE 386.623.1741

LOCATION OF PROPERTY 90-W TO SR.247-S TO CALLAHAN,TL TO ROLLING MEADOWS S.D. TO MORNING GLORY,TR TO BUTTERCUP,TR TO POPPY GLN, 3RD LOT ON R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT ROLLING MEADOWS 30

SIGNATURE

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

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: 0610-69

Glenn Keen/ Jason Elixson Construction Owner A & B Management Property ID 15-4s-16-03023-530

On the date of October 26, 2006 application 0610-69 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 0610-69 and 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.

1. This is to clarify the 2004 Florida Residential Building Code requirements as the code relates to residential garages.

Section R309 garages and carports:

A. R309.1 Opening protection:

Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. 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.

B. R309.2 Separation required:

The plans show that the mechanical room door will provide the required the 20-minute fire-rated doors, ***please verify that the egress door from the garage into the residence will also be a 20-minute fire-rated doors.***

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.

D. R309.3 Floor surface:

Garage floor surfaces shall be of approved noncombustible material.
The area of floor used for parking of automobiles or other vehicles shall be sloped to facilitate the movement of liquids to a drain or toward the main vehicle entry doorway.

F. If an attic access opening (pull down ladder type attic egress door) is installed in the garage ceiling it shall have the same protection requirements of sections R309.1and R309.2 which requires this attic egress door and the door assembly

to have a 20-minute fire-rating. *Please show the size and location of the attic access opening.*

2. The electrical plans show the electrical panel being located in the utility room. At the electrical service entrance point an overcurrent protection device shall be installed on the exterior of structure which will provide overcurrent protection for the total service amperage rating and a means of disconnecting electrical service from the serving utility company. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground.

3. Please have Mr. Eskridge engineer the required header size to span the sixteen foot opening for the garage overhead door opening.

Please provide documentation which will verify that the above 2004 Florida Residential Building Code requirements will be complied with.

Thank You:

Joe Haltiwanger
Plan Examiner
Columbia County Building
Department

K & H Framing/Vinyl Siding, Inc.

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

November 3, 2006

To: The Columbia County Building & Zoning Department
Joe Haltwinger

RE: 0610-69

Glenn Keen/Jason Elixson Construction
Owner A &B Management
Property ID# 15-4s-16-03023-530

Upon receiving the Florida residential Code 2004, I agree to the following:

A. Opening protection:
- will not open into a room used for sleeping
- other openings between the garage and the resident will be equipped with a honeycomb steel door, not less than an 1 3/8' thick and a 20 minute fire rating

B. The mechanical room door will have a 20 minute fire rating and meet the requirement of the above mentioned (A.)

C. The attic access area will be made of 1/2' gypsum board

D. The garage floor will be made of non combustible materials (concrete) and it will slope to drain towards the main vehicle entrance way

E. The electric plans show the electric panel in the utility room, at the electric service entrance an over current will be installed on the exterior structure which will provide an over-current protection for the total service amperage

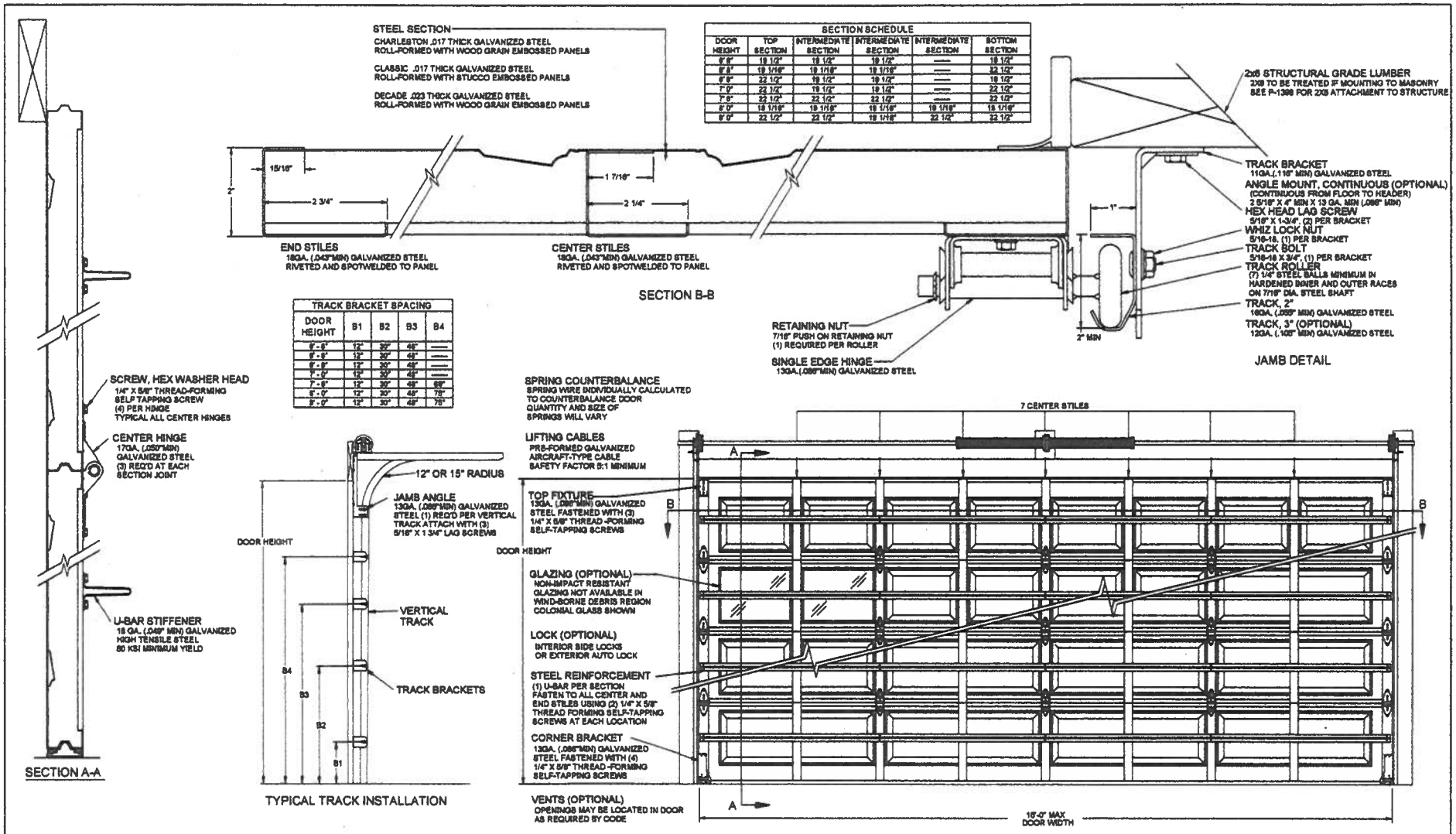
F. Mr. Jason Elixson is faxing over the garage header specks

All the above mention is agreed to and will be carried out to meet the 2004 Florida Residential Building Code Requirements.

Sincerely,

Glenn L. Keen
K&H Framing/A &B Management

Reference Number: 0610-69



DOORS TESTED PER ASTM E-330

CHARLESTON, CLASSIC, DECADE						
QTY OF CENTER STILES	NO GLASS PSF RATING		COLONIAL GLASS PSF RATING		RANCH GLASS 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. WINDLOAD CHARLESTON/CLASSIC/ DECADE 16' WIDE

NO. P-2342 | SHEET 1 OF 1 | REV A

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 38¾"
Exposure	6⅝"
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 *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 38¾"
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"x13¾"
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 Grand4, 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.

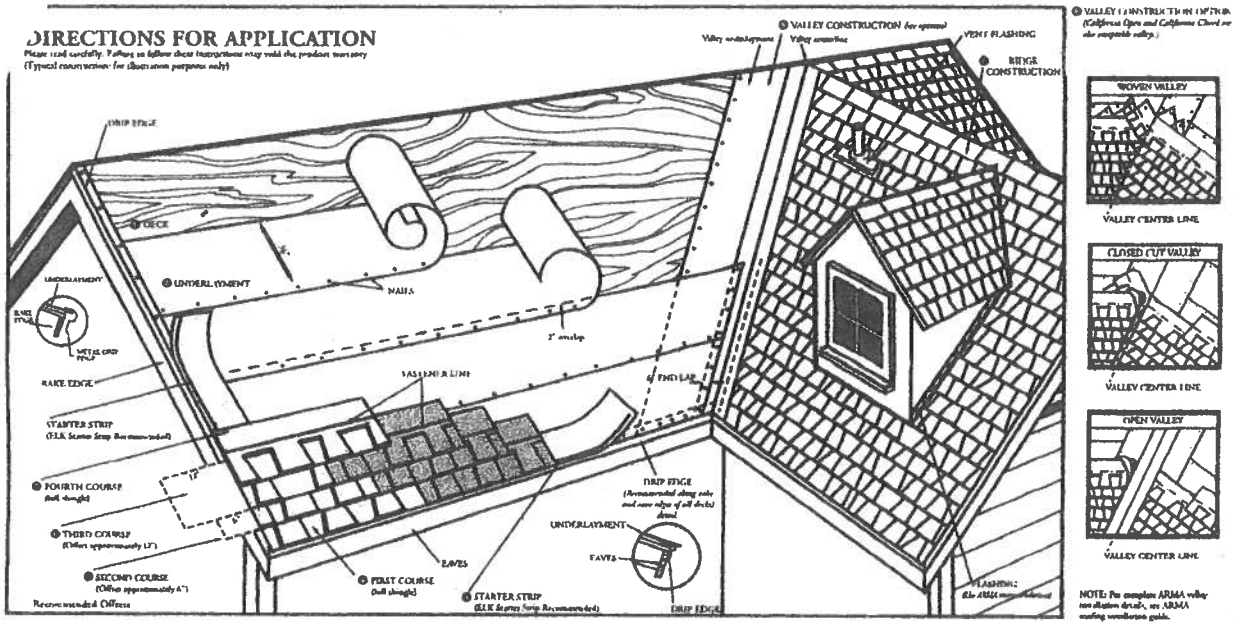
PREPARATION OF ROOF DECK: Roof deck to be dry, well-seasoned 1" x 6" (25.4mm x 152.4mm) boards; exterior-grade plywood (exposure 1 rated sheathing) at least 3/8" (9.525mm) thick conforming to the specifications of the American Plywood Association; 7/16" (11.074mm) oriented strandboard; or chipboard. 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" ZRidge 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

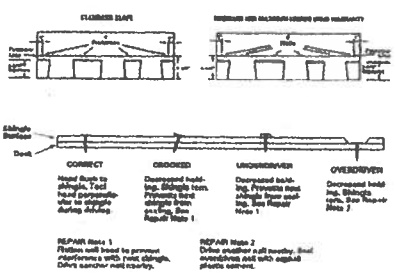
Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only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

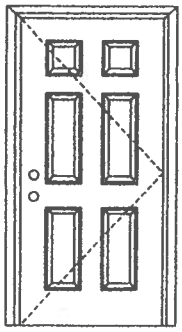
ELK
The Premium Choice
www.elkcorp.com

X
Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

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.

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure
+66.0/-66.0
limited water unless special threshold design is used.

Large Missile Impact Resistance
Hurricane protective system (shutters) is NOT 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.

MINIMUM ASSEMBLY DETAIL:

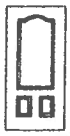
Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0001-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

APPROVED DOOR STYLES:


Flush

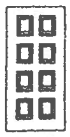

Arch Top 3-panel


3-panel


6-panel


New England 4-panel


Eyebrow 4-panel


8-panel


9-panel


15-panel


5-panel


5-panel with scroll


Eyebrow 5-panel


Eyebrow 5-panel with scroll

Johnson™ EntrySystems

PREMDOR®

Exclusively from Masonite®

X

Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

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.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

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).

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

Warnock Hersey

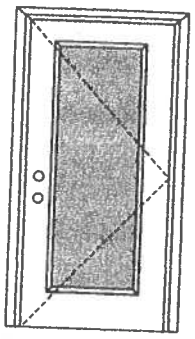
Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

X
Glazed Outswing Unit

COP-WL-JH4161-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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 panel used does not exceed 3'0" x 6'8".

Single Door
Maximum unit size = 3'0" 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.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0011-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

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

Exclusively from Masonite

X
Glazed Outswing Unit

COP-WL-JH4161-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

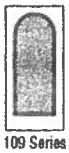
3/4 GLASS:

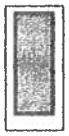

404 Series


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
WH

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

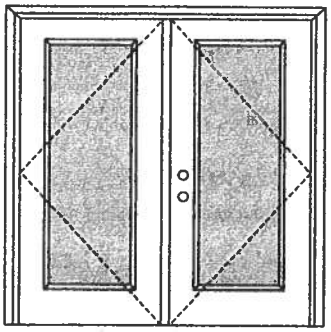
Johnson™

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

PREMDOOR

Exclusively from Masonite

XX
Glazed Outswing Unit

COP-WL-JH4162-02

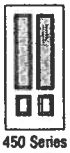
WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:


404 Series


410 Series

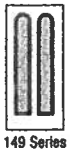

450 Series

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

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

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

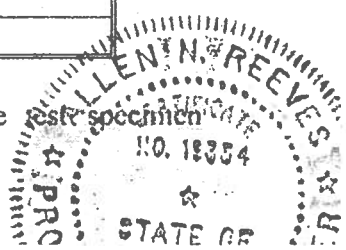
Rendered to:

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.



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

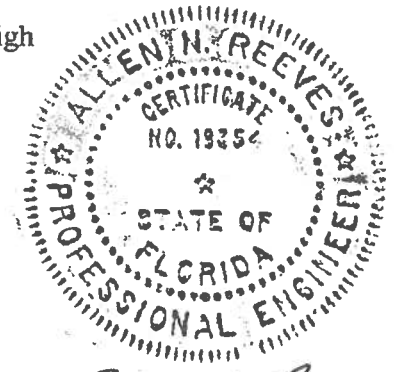
Overall Size: 9' 3-1/2" wide by 5' 11-11/16" high

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
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. 15354
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
	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

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

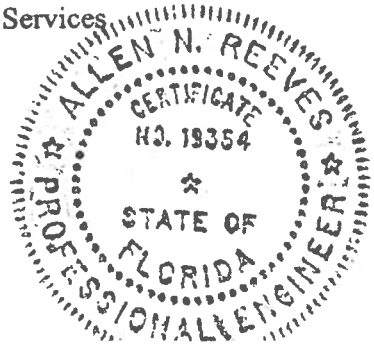
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. 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



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. Reeves

REEVES CERTIFICATE NO. 15354

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

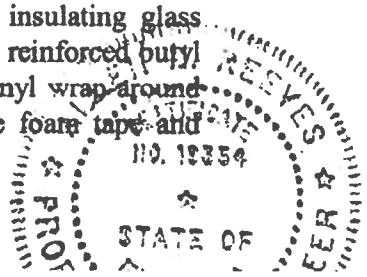
Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

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



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

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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
	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.
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.

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

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

ALLEN N. REEVES
CERTIFICATE
NO. 18
STATE OF

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

Paragraph	Title of Test - Test Method	Results	Allowed
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.*

Paragraph	Title of Test - Test Method	Results	Allowed
	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.

LEN N. REEVES
CERTIFICATE
NO. [illegible]
STATE OF
FLORIDA

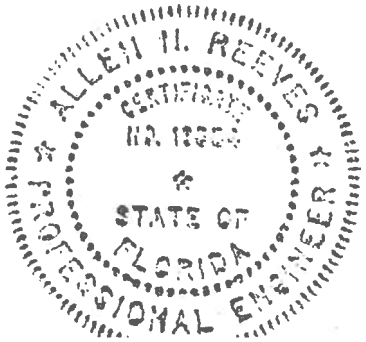
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. 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



RESIDENTIAL WIND DESIGN & ANALYSIS

FBC SECTION 1609 \ ***NO COPIES ARE TO BE PERMITTED***

PREPARED FOR:

JASON ELIXSON CONSTRUCTION \ THE KEEN RESIDENCE

PREPARED BY:

MARTY R. ESKRIDGE
14952 MAIN ST
ALACHUA FL 32615
386-462-1340 / 352-375-6329

SUMMARY
OF WIND DESIGN & ANALYSIS

Trusses: Lumber type So. Pine Grade #1 #2 #3 Size 2 x 4 Spacing 24 in.

Roof sheathing: Type OSB Size 7/16 Fastener type Nails Size 8d/131 6d
Interior zone spacing: Interior 8 in. Periphery 6 in.
Edge and end zone spacing: Interior 8 in. Periphery 4 in.

Top double pl: Type Spruce Grade #1 #2 Size 2 x 4 Nail spacing 12 in.

Studs: Wood or Steel: Wood Type Spruce Grade #1 #2 Size 2 x 4
Interior stud spacing 16 in. Composite (yes or no) Y
End stud spacing 16 in. Composite (yes or no) Y

Shearwall siding: Type OSB Thickness 7/16 in.
70' – Trans: Fastener 8d/131 Spacing: Int 8 in. Edge 4 in.
56' – Long: Fastener 8d/131 Spacing: Int 8 in. Edge 4 in.

Allowable unit shear on shearwalls: 324 **pounds per linear foot**

Wall tension transferred by: Siding nails 8d/131 @ 4 O.C. edges

Foundation anchor bolts: Concrete strength 3000 psi
Size 1/2 in. Shape L Washer 2" Embedment 7 in.
Location of first anchor bolt from corner 8 in.

Anchor Bolts @ 48" O.C. Model A307 Loc. from corner 8 in.

Type of foundation: 1 #5 rebar continuous required in bond beam.

Floor slab 4 in. CMU: Size 8 x 16 in. Height 24 in. Reinf. # 5 at 96 in.
Monolithic footing: Depth 20 in. Bottom width 12 in.

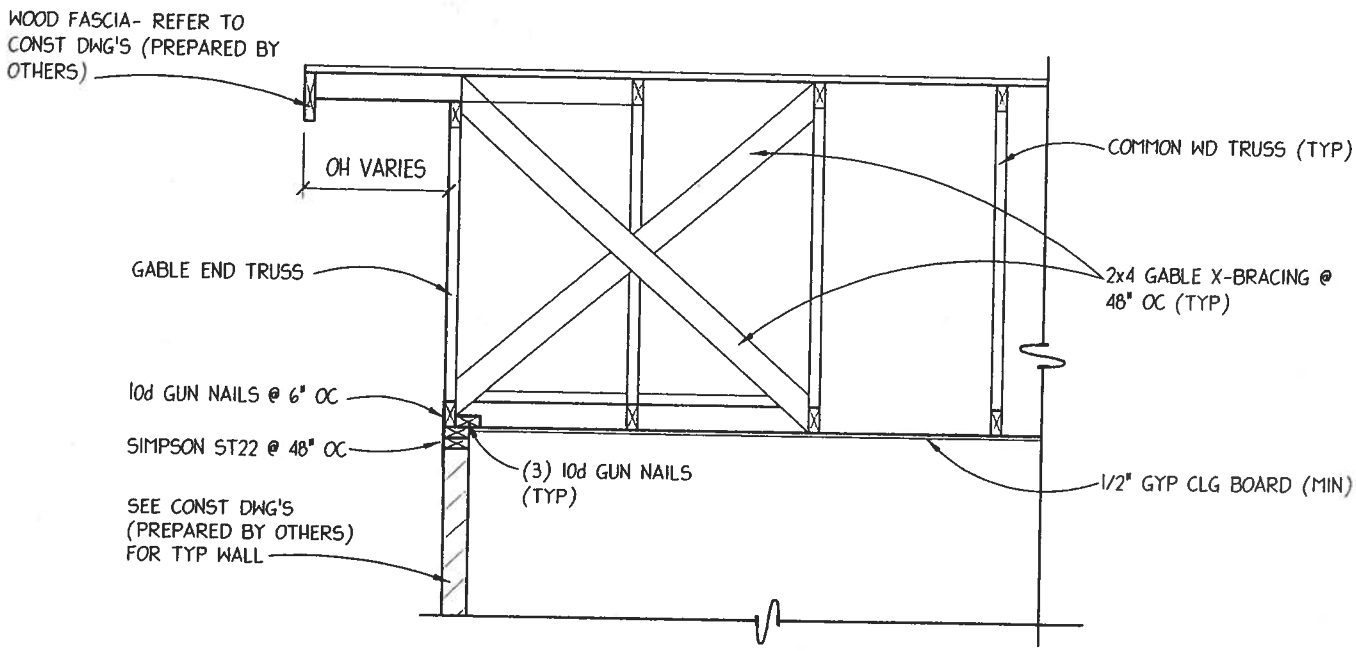
Footing: Width 20 in. Depth 10 in. Reinforcing 2 --# 5 bars
Interior Footings: 16" W X 10" D

Porch Columns: 6X6X8' SYP #2 @ 144" o.c

Porch Column Fasteners: Simpson CBG6/CCG6 or equal
Install 3 #5 rebar cont. in all brick sections as per code

NOTE:
1. Balloon frame ALL gable ends unless this summary is accompanied by Gable End Wall Brace detail.
2. All trusses must bear on exterior walls & porch beams.
3. All walls to be nailed with same nailing pattern as shearwalls.
4. This is a windload only, NOT a structural analysis.
5. This windload is not valid without a raised, embossed seal.
6. It is assumed that ideal soil conditions and pad preparations are provided.
7. Fiber mesh or WWM may be used in concrete slab.
8. Trusses must be anchored and supported in accordance to the truss engineering.
9. Wind design and analysis valid for one use only, no copies permitted.
10. The foundation is for minimum design use and may be increased.
11. All headers over 12 feet to be pre-engineered.

Keen
9/27/18



THIS WIND ANALYSIS ASSUMES IDEAL SOIL CONDITIONS W/MIN 2500 PSI SOIL BRG CAPACITY & 95% DRY PROCTOR DENSITIES

GABLE END DETAIL

SCALE: 1/2" = 1'-0"

NOTE:
INSTALL AND ERECT ALL TRUSS MEMBERS IN STRICT CONFORMANCE WOTH THE PRE-ENGINEERED ROOF TRUSS MANUFACTURERS ERECTION SHEET ACCOMPANYING THE TRUSS PACKAGE. IF NOT AVAILABLE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE SUPPLIER TO OBTAIN ERECTION & BRACING SHEET.

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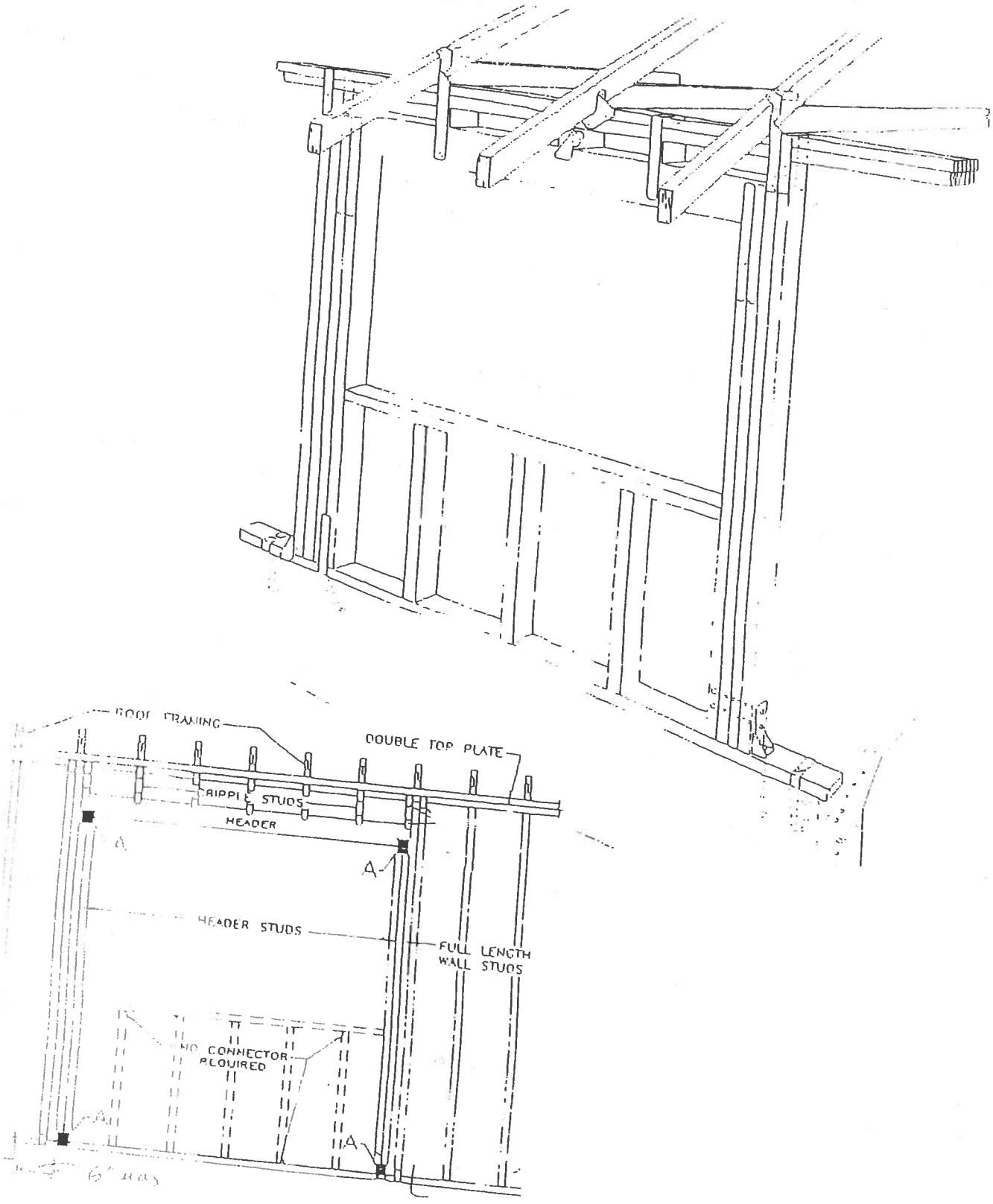
TYPICAL GABLE END DETAILS

PAUL STRESING ASSOCIATES, INC.
14617 MAIN STREET
ALACHUA, FLORIDA

DRAWN BY: CAD
DATE: 2006
PROJECT FILE: WINDLOADS
SHEET NO.
OF



Total each truss uplift on the header divide by 2 for header anchorage

TIE-DOWN TABLES

HEADERS				
Uplift Force Lbs	Top Connector **	Rating Lbs	Bottom Connector **	Rating Lbs
to 455	LSTA9	725	H3	455
to 910	LSTA12	905	2-H3	910
to 1265	LSTA18	1265	LTT19	1350
to 1750	2-LSTA12	1810	LTT20	1750
to 2530	2-LSTA18	2530	HD2A-2.5	2565
to 2865	3-LSTA18	3255	HD2A-3.5	2865
to 3700	3-LSTA24	3880	HD5A-3	3700
Total uplift for each truss resting on the header and divide by 2 to determine the uplift force. Use proper bolt anchors sufficient to support required load.				

TRUSSES/GIRDERS		
Uplift Force Lbs	Top Connector **	Bottom Connector **
to 500	H2.5	N/A
501-1049	H10	N/A
1050-1350	TS22	LTT19
1351-1750	2-TS22	LTT20
1751-2570	2-TS22	HD2A
2571-3665	3-TS22	HD5A
3666-5260	2-MST148	HTT22
5261-8300	2-MST48	HD10A
Two 12d common toenails are required per truss/rafter per bearing point into plate. Use proper bolt anchors. Strap rafters to truss or at each end with minimum uplift resistance of 450# each end. Strap ridge beam at each end with minimum uplift resistance of 1000#. It is the contractors responsibility to provide a continuous load path from truss/rafter/ridge beam to foundation.		

	Top Connector **	Rating Lbs	Bottom Connector **	Rating
BEAM SEATS	LSTA18*	1200	LTT19*	1250
POSTS (max 17' spacing)	2-LSTA18	2400	ABU44	2300
*or per truss engineering Use proper bolt anchors All beams to be sheathed or strapped to Double Top Plate when applicable.				

CRIPPLES	Sheathing nailing alone adequate w/8d nails @ 3" O.C.

STUDS
Wall sheathing nailing Adequate exterior walls bottom w/8d nails @ 3" O.C.
Wall sheathing nailing Adequate exterior walls top w/8d nails @ 3" O.C., as long as sheathing covers top plate, otherwise use SP2 @ 32" O.C. in addition to sheathing nailing.
Use SP2 top and SP1 bottom each stud for all interior load bearing walls and anchor bolts @ 32" O.C.
Interior anchor bolts to be ½" x 8" A307 or ½" x 6" wedge anchor or equivalent.

** Equivalent Simpson hardware, or other manufacturer, may be substituted for any of the hardware specified on this page as long as it meets the required load capacities/uplift resistance.
NOTE: For nailing into SPF members, multiply table values by .86

ASCE 7-02

9/26/06

Wind Load Design per ASCE 7-02

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	110	mph
Structural Category	II	
Exposure	B	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof (Theta)	26.6	Deg
Type of Roof	Hipped	
Eave Height (Eht)	8.00	ft
Ridge Height (RHt)	19.44	ft
Mean Roof Height (Ht)	14.07	ft
Width Perp. to Wind (B)	57.00	ft
Width Parallel to Wind (L)	55.00	ft
Damping Ratio (beta)	0.01	

Red values should be changed only through "Main Menu"

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table C6-4 Values		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
l =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	0.26
Flexible Structure	No

Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	Zmin	30.00	ft
Izm	Cc * (33/z)^0.167	0.3048	
Lzm	l*(zm/33)^Epsilon	309.99	ft
Q	(1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5	0.8948	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8629	
Gust Factor Category III: Flexible or Dynamically Sensitive Structures			
Vhref	V*(5280/3600)	161.33	ft/s
Vzm	bm*(zm/33)^Am*Vhref	70.89	ft/s
NF1	NatFreq*Lzm/Vzm	4.37	Hz
Rn	(7.47*NF1)/(1+10.302*NF1)^1.667	0.0552	
Nh	4.6*NatFreq*Ht/Vzm	0.91	
Nb	4.6*NatFreq*B/Vzm	3.70	
Nd	15.4*NatFreq*Depth/Vzm	11.95	
Rh	1/Nh-(1/(2*Nh^2)*(1-Exp(-2*Nh)))	0.5921	
Rb	1/Nb-(1/(2*Nb^2)*(1-Exp(-2*Nb)))	0.2338	
Rd	1/Nd-(1/(2*Nd^2)*(1-Exp(-2*Nd)))	0.0802	
RR	((1/Beta)*Rn*Rh*Rb*(0.53+0.47*Rd))^0.5	0.6585	
gg	+(2*LN(3600*n1))^0.5+0.577/(2*LN(3600*n1))^0.5	4.19	
Gust3	0.925*((1+1.7*Izm*(3.4^2*Q^2+GG^2*RR^2)^0.5)/(1+1.7*3.4*Izm))	1.05	

Gust Factor Summary			
Main Wind-force resisting system:		**Components and Cladding:**	
Gust Factor Category:	I	Gust Factor Category:	I
Gust Factor (G)	0.86	Gust Factor (G)	0.86

ASCE 7-02

9/26/06

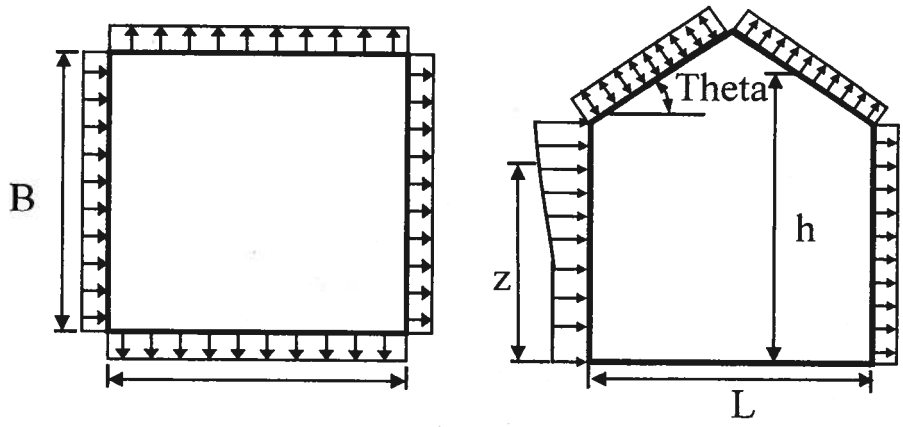
Wind Load Design per ASCE 7-02

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights (Non-flexible)

Elev.	Kz	Kzt	Kd	qz	Pressure (lb/ft^2)	
					Windward Wall*	
ft			1.00	lb/ft^2	+GCpi	-GCpi
19.44	0.70	1.00	1.00	21.70	11.78	18.19
15	0.70	1.00	1.00	21.70	11.78	18.19

Figure 6-3 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
Kh	2.01*(15/zg)^(2/Alpha)	0.57	
Kht	Topographic factor (Fig 6-2)	1.00	
Qh	.00256*(V)^2*ImpFac*Kh*Kht*Kd	17.80	psf

Wall Pressure Coefficients, Cp	
Surface	Cp
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.80

Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Description	Cp	Pressure (psf)	
		+GCpi	-GCpi
Leeward Walls (Wind Dir Parallel to 57 ft wall)	-0.50	-10.89	-4.48
Leeward Walls (Wind Dir Parallel to 55 ft wall)	-0.49	-10.77	-4.36
Side Walls	-0.70	-13.96	-7.55
Roof - Normal to Ridge (Theta>=10)			
Windward - Max Negative	-0.20	-6.30	0.11
Windward - Max Positive	0.30	1.37	7.78
Leeward Normal to Ridge	-0.60	-12.42	-6.01
Overhang Top	-0.20	-3.10	-3.10
Overhang Bottom	0.80	0.69	0.69
Roof - Parallel to Ridge (All Theta)			
Dist from Windward Edge: 0 ft to 7.035 ft	-0.90	-17.03	-10.62
Dist from Windward Edge: 7.035 ft to 14.07 ft	-0.90	-17.03	-10.62
Dist from Windward Edge: 14.07 ft to 28.14 ft	-0.50	-10.89	-4.48

ASCE 7-02

Wind Load Design per ASCE 7-02

Dist from Windward Edge: > 28.14 ft	-0.30	-7.81	-1.40

* Horizontal distance from windward edge

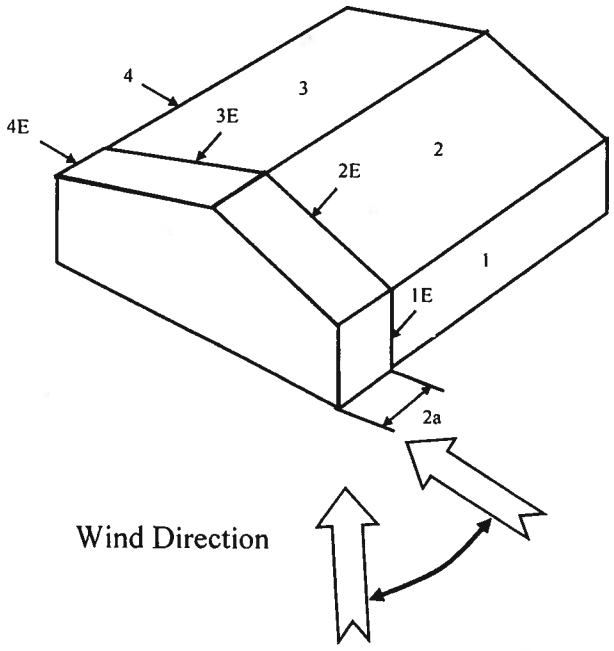
Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.57
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	17.80

Case A						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.55	0.18	-0.18	21.70	8.03	15.84
2	-0.10	0.18	-0.18	21.70	-5.99	1.82
3	-0.45	0.18	-0.18	21.70	-13.61	-5.79
4	-0.39	0.18	-0.18	21.70	-12.38	-4.57
5	0.00	0.18	-0.18	21.70	-3.91	3.91
6	0.00	0.18	-0.18	21.70	-3.91	3.91
1E	0.73	0.18	-0.18	21.70	11.88	19.69
2E	-0.19	0.18	-0.18	21.70	-7.93	-0.12
3E	-0.58	0.18	-0.18	21.70	-16.59	-8.78
4E	-0.53	0.18	-0.18	21.70	-15.50	-7.69
5E	0.00	0.18	-0.18	21.70	-3.91	3.91
6E	0.00	0.18	-0.18	21.70	-3.91	3.91

* p = qh * (GCpf - GCpi)



ASCE 7-02

Wind Load Design per ASCE 7-02

Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.57
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	17.80

Case B						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	-0.45	0.18	-0.18	21.70	-13.67	-5.86
2	-0.69	0.18	-0.18	21.70	-18.88	-11.07
3	-0.37	0.18	-0.18	21.70	-11.94	-4.12
4	-0.45	0.18	-0.18	21.70	-13.67	-5.86
5	0.40	0.18	-0.18	21.70	4.77	12.59
6	-0.29	0.18	-0.18	21.70	-10.20	-2.39
1E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
2E	-1.07	0.18	-0.18	21.70	-27.13	-19.31
3E	-0.53	0.18	-0.18	21.70	-15.41	-7.60
4E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
5E	0.61	0.18	-0.18	21.70	9.33	17.14
6E	-0.43	0.18	-0.18	21.70	-13.24	-5.43

* p = qh * (GCpf - GCpi)

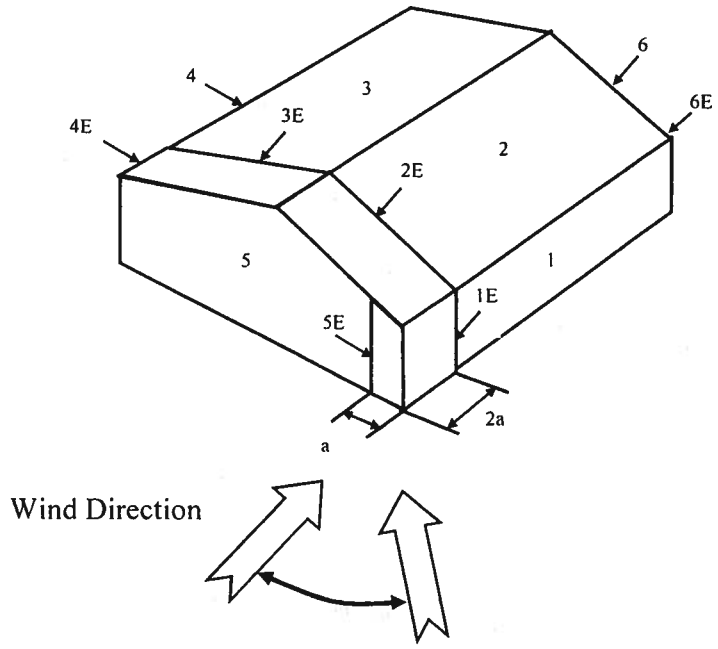


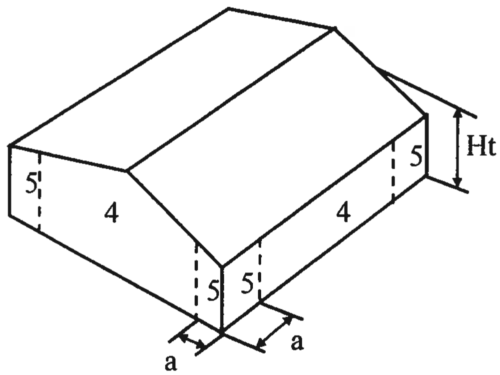
Figure 6-5 - External Pressure Coefficients, GCp

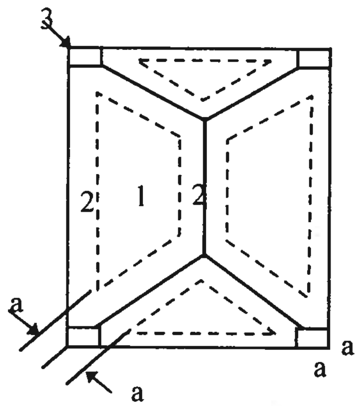
Loads on Components and Cladding for Buildings w/ Ht <= 60 ft

ASCE 7-02

9/26/06

Wind Load Design per ASCE 7-02





Hipped Roof
10 < Theta <= 30

a = 5.5 ==> 5.50 ft

Component	Width (ft)	Length (ft)	Area (ft^2)	Zone	GCp Max	GCp Min	Wind Press (lb/ft^2) Max	Wind Press (lb/ft^2) Min
	16	7	112.00	5	0.81	-1.03	17.71	-21.53
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

Table 6-7 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi Max +	Gcpi Max -

ASCE 7-02

Wind Load Design per ASCE 7-02

Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	**0.18**	**-0.18**

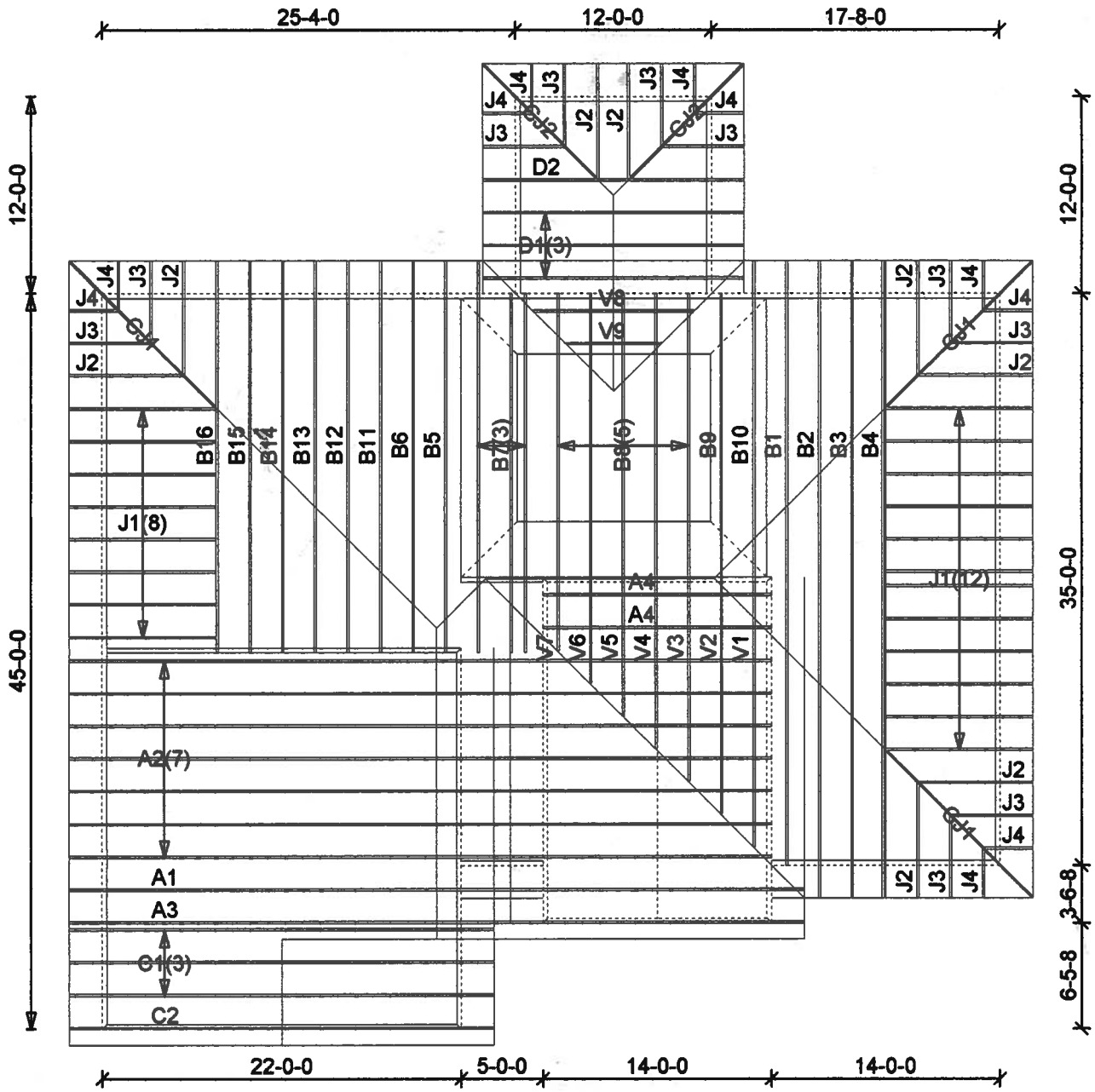
Table 6-8 External Pressure Coefficients for Arched Roofs, Cp

r (Rise-to-Span Ratio) = 0.3

Condition	Variable	Cp		
		Windward Quarter	Center Half	Leeward Quarter
Roof on Elevated Structure	Cp	0.13	-1	-0.5
	P (+GCpi) - psf	-1.28	-18.57	-10.89
	P (-GCpi) -psf	5.12	-12.16	-4.48
Roof Springing from Ground	Cp	0.42	-1	-0.5
	P (+GCpi) - psf	3.25	-18.57	-10.89
	P (-GCpi) -psf	3.25	-18.57	-10.89

Table 6-9 Force Coefficients for Monoslope Roofs over Open Buildings, Cf

Variable	Description	Value	
L	Roof dimension normal to wind direction	55.00	ft
B	Roof dimension parallel to wind direction	57.00	ft
L/B	Ratio of L to B	0.965	
Theta	Slope of Roof	26.6	Deg
Cf	Force Coefficient	1.19	
X	Distance to center of pressure from windward edge	0.42	ft



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

GLEN KEEN

ROLLING MEADOWS LOT 30

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: KEEN
Designer: CHAD LITTLE
Checker: M.MURRAY
Date: 10-18-06

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: KEEN - ROLLING MEADOWS - 30

Standard Loading:

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

ROBBINS ENGINEERING, INC.

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

Engineering Index Sheet

Index Page 1 of 1

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

Job Number	Date	FBC - 2004 Chapter 16 and 23	Specification Quantity
T06101774	10/17/2006		39

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

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

	Date	Mark
1	10/17/06	A1
5	10/17/06	B1
9	10/17/06	B5
13	10/17/06	B9
17	10/17/06	B13
21	10/17/06	C1
25	10/17/06	D1
29	10/17/06	J3
33	10/17/06	V3
37	10/17/06	V7

	Date	Mark
2	10/17/06	A2
6	10/17/06	B2
10	10/17/06	B6
14	10/17/06	B10
18	10/17/06	B14
22	10/17/06	C2
26	10/17/06	D2
30	10/17/06	J4
34	10/17/06	V4
38	10/17/06	V8

	Date	Mark
3	10/17/06	A3
7	10/17/06	B3
11	10/17/06	B7
15	10/17/06	B11
19	10/17/06	B15
23	10/17/06	CJ1
27	10/17/06	J1
31	10/17/06	V1
35	10/17/06	V5
39	10/17/06	V9

	Date	Mark
4	10/17/06	A4
8	10/17/06	B4
12	10/17/06	B8
16	10/17/06	B12
20	10/17/06	B16
24	10/17/06	CJ2
28	10/17/06	J2
32	10/17/06	V2
36	10/17/06	V6

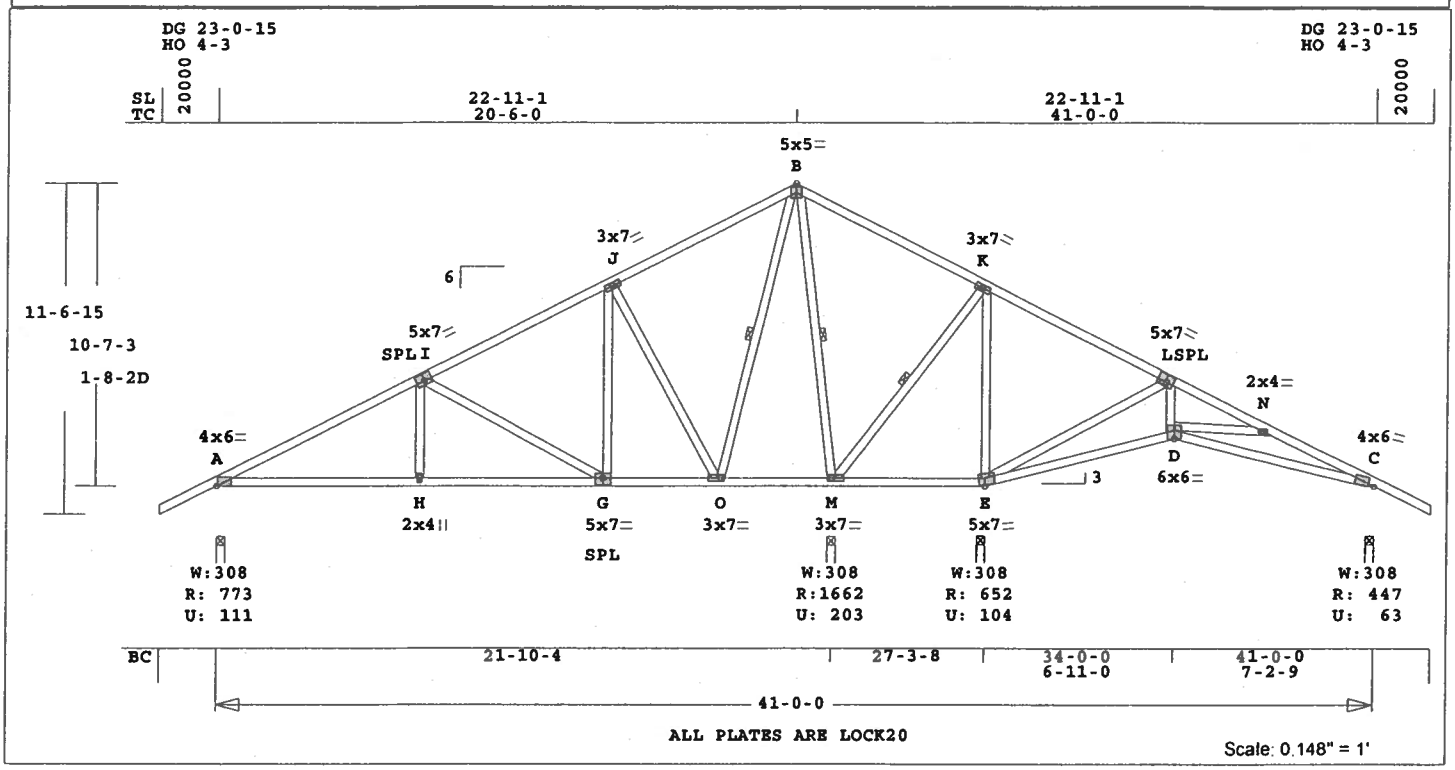
Truss Design Engineer: Philip J. O'Regan
License # 58126
Address: P.O. Box 280055, Tampa, FL 33682

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	A1	1	CAT2	410000	6	2- 0- 0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 311.8 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.58	2x 4	SP-#2
BC	0.37	2x 4	SP-#2
WB	0.58	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	41- 0- 0
BC	Cont.	0- 0- 0	41- 0- 0
WB	1 rows	CLB on O -B	
WB	1 rows	CLB on B -M	
WB	1 rows	CLB on M -K	

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

Jt	React Lbs	Uplft Lbs	Size In-Sx	Req'd In-Sx
A	774	111	3- 8	1- 8
			Hz = -222	
M	1663	203	3- 8	1-12
E	652	104	3- 8	1- 8
C	447	63	3- 8	1- 8
			Hz = 223	

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -I	0.46	864	C	0.00	0.46
I -J	0.46	273	T	0.00	0.46
J -B	0.40	224	T	0.01	0.39
B -K	0.57	586	T	0.08	0.49
K -L	0.58	488	T	0.09	0.49
L -N	0.27	207	C	0.00	0.27
N -C	0.11	615	C	0.00	0.11
Bottom Chords					
A -H	0.37	783	T	0.08	0.29
H -G	0.37	783	T	0.08	0.29
G -O	0.18	239	T	0.02	0.16
O -M	0.15	388	T	0.00	0.15
M -E	0.15	423	C	0.00	0.15
E -D	0.22	244	T	0.02	0.20
D -C	0.23	575	T	0.09	0.14
Webs					
H -I	0.04	302	T		
I -G	0.46	657	C		
G -J	0.07	458	T		
J -O	0.58	730	C		
O -B	0.13	719	T		1 Br
B -M	0.51	1429	C		1 Br
M -K	0.04	209	T		1 Br
E -K	0.14	247	C		
E -L	0.47	695	C		
D -L	0.06	403	T		
D -N	0.06	357	C		

TL Defl -0.11" in E -D L/999
LL Defl -0.05" in A -H L/999
Hz Disp LL DL TL
Jt C 0.02" 0.02" 0.03"
Shear // Grain in A -I 0.26

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 6.0	Ctr	0.1	0.74
I	LOCK	5.0x 7.0	-0.2	0.5	0.79
J	LOCK	3.0x 7.0	Ctr	Ctr	0.52
B	LOCK	5.0x 5.0	Ctr	Ctr	0.85
K	LOCK	3.0x 7.0	Ctr	Ctr	0.48
L	LOCK	5.0x 7.0	0.2	0.5	0.79
N	LOCK	2.0x 4.0	Ctr	Ctr	0.52
C	LOCK	4.0x 6.0	Ctr	Ctr	0.92
H	LOCK	2.0x 4.0	Ctr	Ctr	0.48
G	LOCK	5.0x 7.0	Ctr	-0.5	0.80
O	LOCK	3.0x 7.0	Ctr	Ctr	0.47
M	LOCK	3.0x 7.0	Ctr	Ctr	0.47
E	LOCK	5.0x 7.0	0.6	3.2	0.86
D	LOCK	6.0x 6.0	Ctr	-0.6	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.

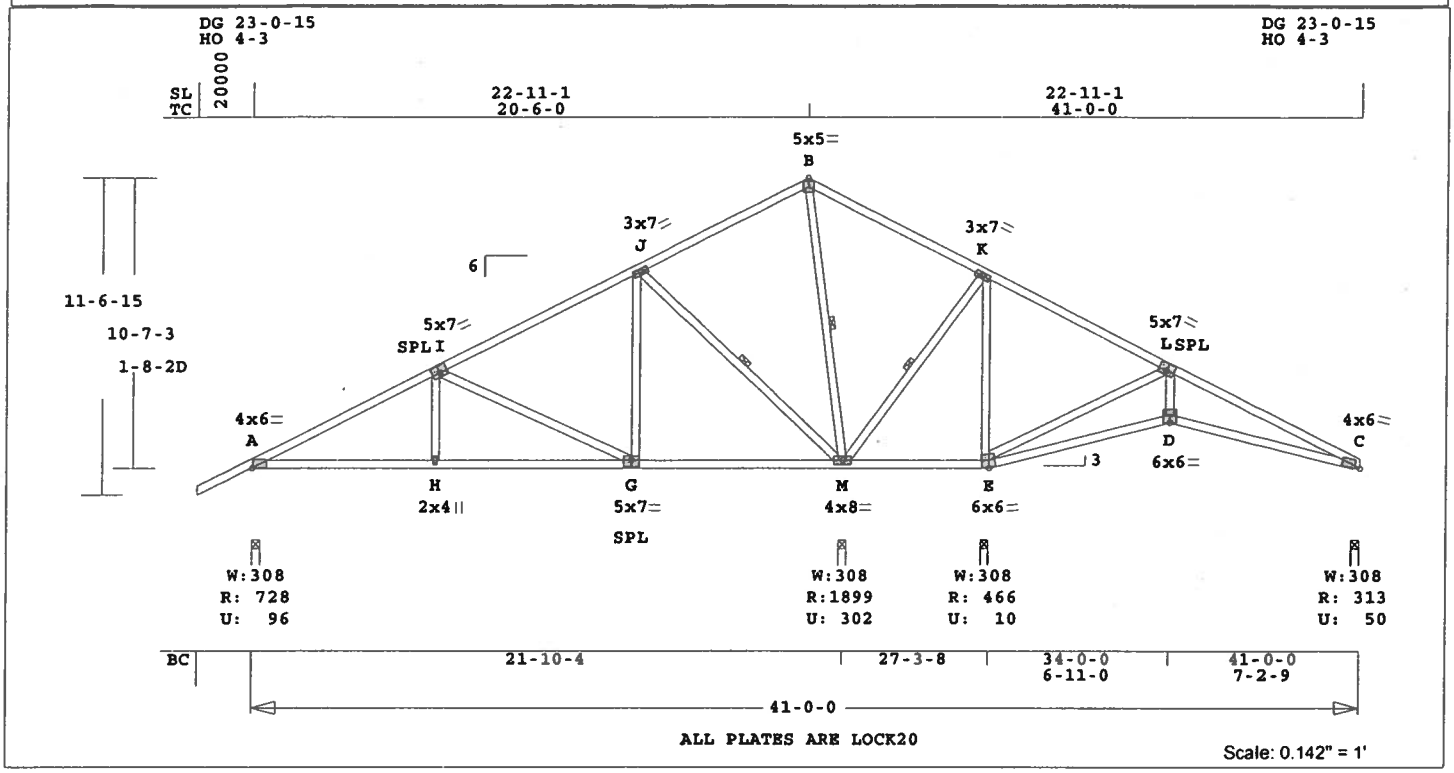
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1429 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	A2	7	CA52	410000	6	2- 0- 0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 287.2 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.56	2x 4	SP-#2
BC	0.37	2x 4	SP-#2
WB	0.57	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	41- 0- 0
BC	Cont.	0- 0- 0	41- 0- 0

WB 1 rows CLB on J -M
WB 1 rows CLB on B -M
WB 1 rows CLB on M -K
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 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	Size Req'd In-Sx
A	728	97	3- 8	1- 8
			Hz =	-222
M	1900	303	3- 8	2- 0
E	466	11	3- 8	1- 8
C	314	51	3- 8	1- 8
			Hz =	223

Membr	CSI	P Lbs	Axl	CSI	Bnd
	Top Chords				
A -I	0.48	802	C	0.00	0.48
I -J	0.48	188	T	0.00	0.48
J -B	0.53	555	T	0.07	0.46
B -K	0.56	694	T	0.10	0.46
K -L	0.55	499	T	0.09	0.46
L -C	0.45	281	C	0.00	0.45
	Bottom Chords				
A -H	0.34	729	T	0.07	0.27
H -G	0.37	729	T	0.07	0.30
G -M	0.31	212	T	0.01	0.30
M -E	0.29	445	C	0.00	0.29
E -D	0.30	274	T	0.04	0.26
D -C	0.29	280	T	0.04	0.25
	Webs				
H -I	0.04	292	T		
I -G	0.56	691	C		
G -J	0.08	522	T		
J -M	0.29	827	C		1 Br
B -M	0.33	928	C		1 Br
M -K	0.07	354	T		1 Br
E -K	0.09	153	C		
E -L	0.57	793	C		
D -L	0.05	365	T		

TL Defl	-0.15" in D -C	L/999	
LL Defl	-0.07" in D -C	L/999	
Hz Disp	LL	DL	TL
Jt C	0.02"	0.02"	0.04"
Shear // Grain		in L -C	0.26

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 6.0	Ctr	0.1	0.74
I	LOCK	5.0x 7.0	-0.2	0.5	0.79
J	LOCK	3.0x 7.0	Ctr	Ctr	0.45
B	LOCK	5.0x 5.0	Ctr	Ctr	0.72
K	LOCK	3.0x 7.0	Ctr	Ctr	0.48
L	LOCK	5.0x 7.0	0.2	0.5	0.79
C	LOCK	4.0x 6.0	Ctr	Ctr	0.92
H	LOCK	2.0x 4.0	Ctr	Ctr	0.48
G	LOCK	5.0x 7.0	Ctr	-0.5	0.80
M	LOCK	4.0x 8.0	Ctr	Ctr	0.47
E	LOCK	6.0x 6.0	-0.4	3.3	0.71
D	LOCK	6.0x 6.0	Ctr	-0.6	0.69

REVIEWED BY:
Robbins Engineering, Inc.

PO Box 280055
Tampa, FL 33682

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

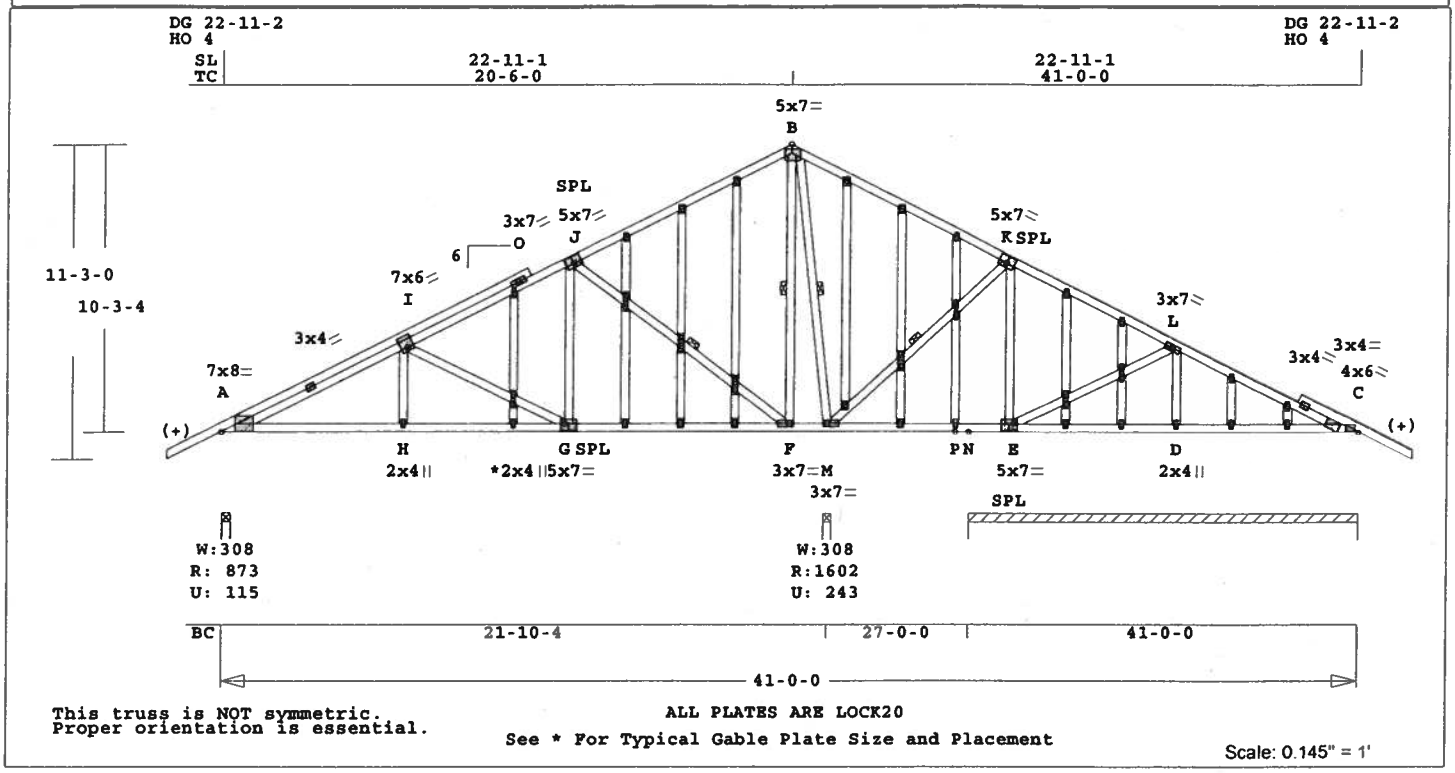
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 928 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	A3	1	DH	410000	6	0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



This truss is NOT symmetric.
Proper orientation is essential.

ALL PLATES ARE LOCK20

See * For Typical Gable Plate Size and Placement

Scale: 0.145" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 438.5 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	Size	Lumber
TC	0.42	2x 4	SP-#1(+)
EX J -B		2x 4	SP-#2
EX B -K		2x 4	SP-#2
BC	0.39	2x 4	SP-#2
WB	0.42	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	41- 0- 0
BC	Cont.	0- 0- 0	41- 0- 0

WB 1 rows CLB on J -F
WB 1 rows CLB on F -B
WB 1 rows CLB on B -M
WB 1 rows CLB on M -K
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 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	Size Req'd In-Sx
A	873	115	3- 8	1- 8
			Hz =	-214
M	1602	244	3- 8	1-11
Cont.	Brg 27- 0- 0 to 41- 0- 0			
	932	100	Hz =	215

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -I	0.28	1113	C	0.05	0.23
I -O	0.06	344	C	0.01	0.05
I -O	0.07	344	C	0.00	0.07
O -J	0.35	562	C	0.00	0.35
J -B	0.48	148	T	0.00	0.48
B -K	0.54	337	T	0.03	0.51
K -L	0.42	112	T	0.01	0.41
L -C	0.24	285	T	0.00	0.24
Bottom Chords					
A -H	0.32	1002	T	0.16	0.16
H -G	0.39	1002	T	0.10	0.29
G -F	0.34	556	T	0.05	0.29
F -M	0.25	349	T	0.00	0.25
M -N	0.17	178	T	0.00	0.17
N -E	0.13	178	T	0.00	0.13
E -D	0.24	253	T	0.02	0.22
D -C	0.24	253	T	0.02	0.22
Webs					
H -I	0.03	241	T		
I -G	0.27	508	C		
G -J	0.07	477	T		
J -F	0.28	864	C		1 Br
F -B	0.10	608	T		1 Br
B -M	0.42	1292	C		1 Br
M -K	0.08	336	C		1 Br
E -K	0.04	93	T		
E -L	0.18	344	C		
D -L	0.01	93	T		

TL Defl -0.19" in G -F L/999
LL Defl -0.08" in G -F L/999
Shear // Grain in J -B 0.28

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	7.0x 8.0	6.4	1.6	0.75
I	LOCK	7.0x 6.0-0.8	1.6	1.6	0.52
O	LOCK	3.0x 7.0	Ctr	Ctr	0.88
J	LOCK	5.0x 7.0-0.2	0.5	1.6	0.79
B	LOCK	5.0x 7.0	0.5-0.6	1.6	0.85
K	LOCK	5.0x 7.0	0.2	0.5	0.79
L	LOCK	3.0x 7.0	Ctr	Ctr	0.42
C	LOCK	4.0x 6.0	Ctr-0.3	1.6	0.75
H	LOCK	2.0x 4.0	Ctr	Ctr	0.48
G	LOCK	5.0x 7.0	Ctr-0.5	1.6	0.80
F	LOCK	3.0x 7.0	Ctr	Ctr	0.45
M	LOCK	3.0x 7.0	Ctr	Ctr	0.44
E	LOCK	5.0x 7.0	Ctr-0.5	1.6	0.80
D	LOCK	2.0x 4.0	Ctr	Ctr	0.48

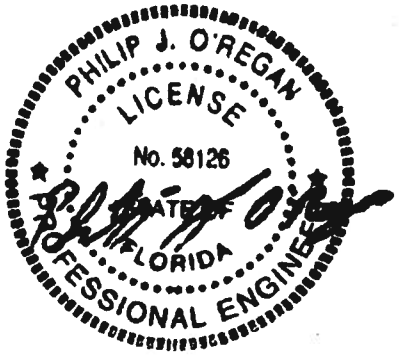
19 Gable studs to be attached with 2.0x4.0 plates each end.

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

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate.
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1292 Lbs
Quality Control Factor 1.25

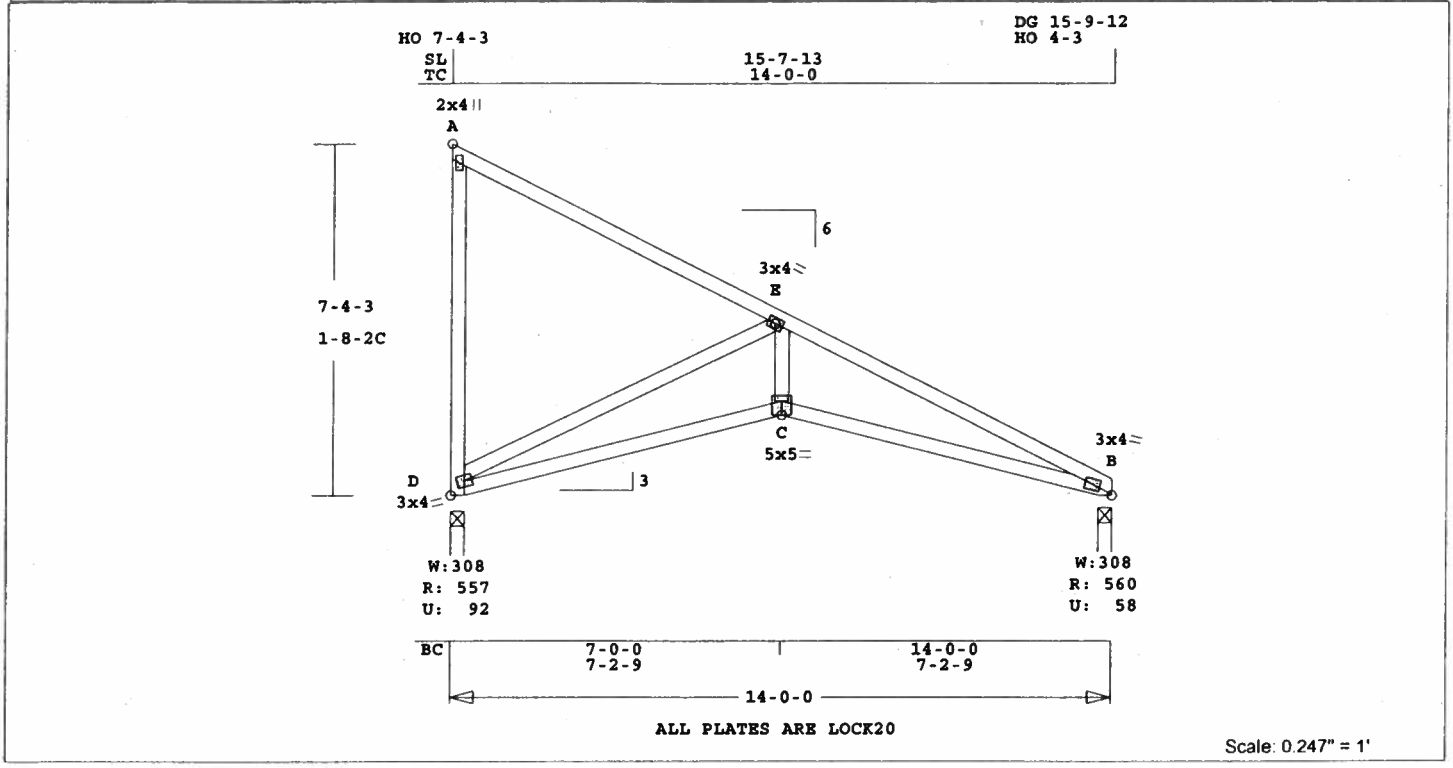
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
KEEN	A4	2	MON3	140000	6	0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 87.0 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.52	2x 4	SP-#2
BC	0.39	2x 4	SP-#2
WB	0.98	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.		0- 0- 0	14- 0- 0
BC Cont.		0- 0- 0	14- 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 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
D	557	92	3- 8	1- 8
			Hz =	-248
B	560	59	3- 8	1- 8
			Hz =	100

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -E	0.51	116	C	0.00	0.51
E -B	0.52	1319	C	0.01	0.51
Bottom Chords					
D -C	0.39	1233	T	0.12	0.27
C -B	0.35	1234	T	0.20	0.15
Webs					
D -A	0.32	176	T	WindLd	
D -E	0.98	1347	C		
C -E	0.13	749	T		

TL Defl -0.20" in D -C L/816
LL Defl -0.09" in D -C L/999
Hz Disp LL DL TL
Jt B 0.04" 0.04" 0.08"
Shear // Grain in A -E 0.28

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.38
E	LOCK	3.0x 4.0	Ctr	Ctr	0.74
B	LOCK	3.0x 4.0	Ctr	Ctr	0.79
D	LOCK	3.0x 4.0	Ctr	Ctr	0.95
C	LOCK	5.0x 5.0	Ctr	-1.1	0.43

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

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

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1347 Lbs
Quality Control Factor 1.25

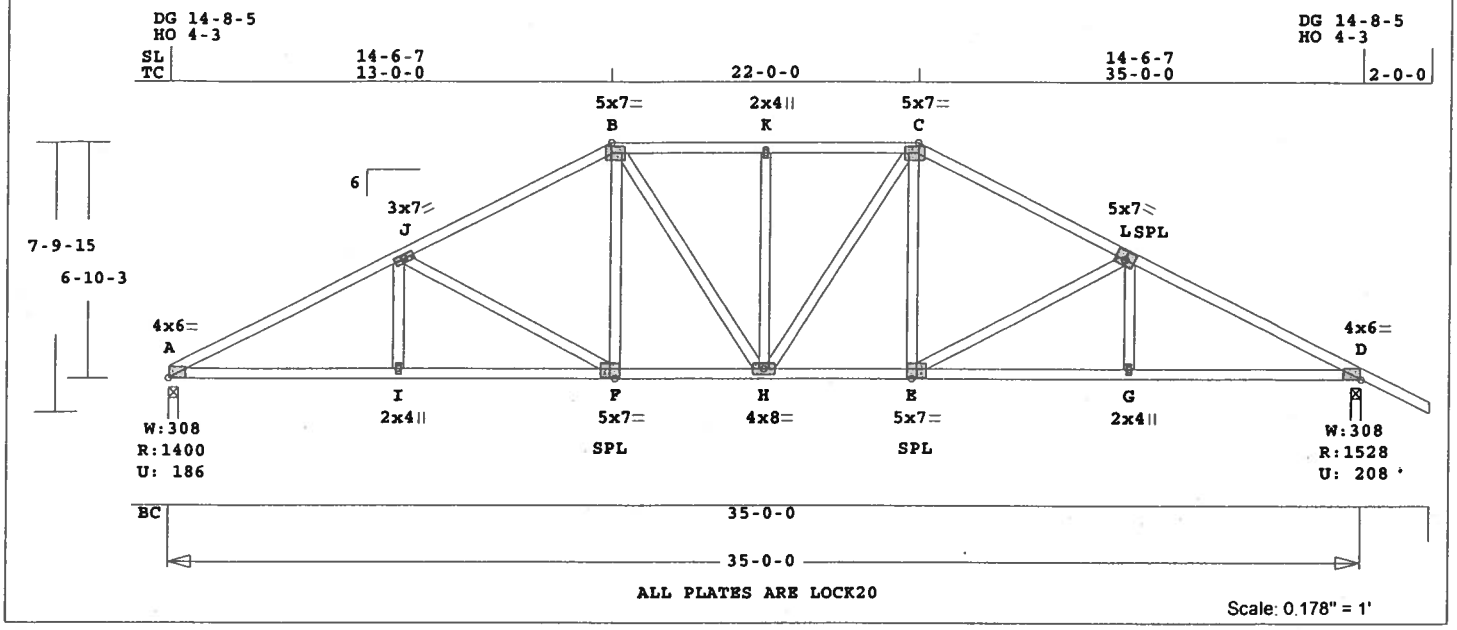
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	B1	1	HIP	350000	6	0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 244.5 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.46	2x 4	SP-#2
BC	0.48	2x 4	SP-#2
WB	0.36	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	35- 0- 0
BC Cont.	0- 0- 0	35- 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 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	1400	187	3- 8	1-10
			Hz =	-136
D	1528	209	3- 8	1-13
			Hz =	137

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -J	0.46	2507	C	0.14	0.32
J -B	0.44	1951	C	0.12	0.32
B -K	0.21	1855	C	0.12	0.09
K -C	0.21	1855	C	0.12	0.09
C -L	0.44	1951	C	0.12	0.32
L -D	0.46	2507	C	0.14	0.32
Bottom Chords					
A -I	0.48	2246	T	0.37	0.11
I -F	0.47	2246	T	0.37	0.10
F -H	0.38	1735	T	0.29	0.09
H -E	0.38	1735	T	0.29	0.09
E -G	0.47	2246	T	0.37	0.10
G -D	0.48	2246	T	0.37	0.11
Webs					
I -J	0.04	264	T		
J -F	0.36	572	C		
F -B	0.07	424	T		
B -H	0.08	216	T		
H -K	0.15	288	C		
H -C	0.08	216	T		
E -C	0.07	424	T		
E -L	0.36	572	C		
G -L	0.04	264	T		

TL Defl -0.24" in E -G L/999
LL Defl -0.12" in H -E L/999
Shear // Grain in A -J 0.22

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 6.0	Ctr	0.1	0.69
J	LOCK	3.0x 7.0	Ctr	Ctr	0.40
B	LOCK	5.0x 7.0	-0.5	-0.1	0.93
K	LOCK	2.0x 4.0	Ctr	Ctr	0.44
C	LOCK	5.0x 7.0	0.5	-0.1	0.93
L	LOCK	5.0x 7.0	0.2	0.5	0.73
D	LOCK	4.0x 6.0	Ctr	0.1	0.69
I	LOCK	2.0x 4.0	Ctr	Ctr	0.44
F	LOCK	5.0x 7.0	Ctr	-0.5	0.74
H	LOCK	4.0x 8.0	Ctr	Ctr	0.45
E	LOCK	5.0x 7.0	Ctr	-0.5	0.74
G	LOCK	2.0x 4.0	Ctr	Ctr	0.44

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

REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

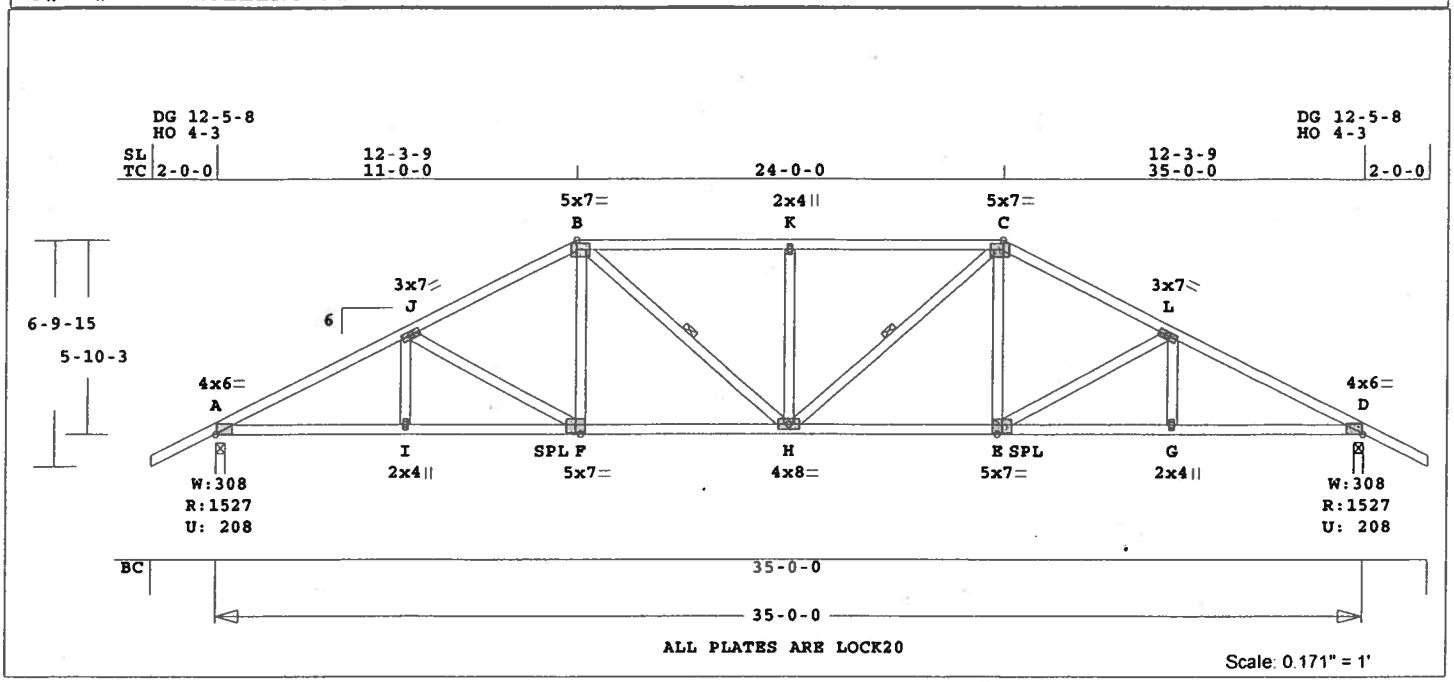
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2507 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	B2	1	HIPP	350000	6	2- 0- 0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 238.2 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

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

Brace truss as follows:

	O.C.	From	To
TC Cont.		0- 0- 0	35- 0- 0
BC Cont.		0- 0- 0	35- 0- 0

WB 1 rows CLB on B -H
WB 1 rows CLB on H -C
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 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	Size Req'd In-Sx
A	1528	209	3- 8	1-13
			Hz =	-114
D	1528	209	3- 8	1-13
			Hz =	115

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -J	0.36	2548	C	0.14	0.22
J -B	0.34	2122	C	0.12	0.22
B -K	0.48	2224	C	0.03	0.45
K -C	0.48	2224	C	0.03	0.45
C -L	0.34	2122	C	0.12	0.22
L -D	0.36	2548	C	0.14	0.22
Bottom Chords					
A -I	0.45	2277	T	0.38	0.07
I -F	0.48	2277	T	0.38	0.10
F -H	0.43	1895	T	0.31	0.12
H -E	0.43	1895	T	0.31	0.12
E -G	0.48	2277	T	0.38	0.10
G -D	0.45	2277	T	0.38	0.07
Webs					
I -J	0.03	201	T		
J -F	0.19	427	C		
F -B	0.06	387	T		
B -H	0.08	433	T		1 Br
H -K	0.16	436	C		
H -C	0.08	433	T		1 Br
E -C	0.06	387	T		
E -L	0.19	427	C		
G -L	0.03	201	T		

TL Defl -0.28" in F -H L/999
LL Defl -0.13" in F -H L/999
Shear // Grain in B -K 0.28

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

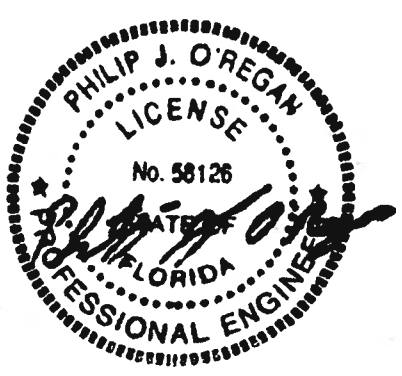
Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 6.0	Ctr	0.1	0.69
J	LOCK	3.0x 7.0	Ctr	Ctr	0.40
B	LOCK	5.0x 7.0	-0.5	-0.1	0.93
K	LOCK	2.0x 4.0	Ctr	Ctr	0.44
C	LOCK	5.0x 7.0	0.5	-0.1	0.93
L	LOCK	3.0x 7.0	Ctr	Ctr	0.40
D	LOCK	4.0x 6.0	Ctr	0.1	0.69
I	LOCK	2.0x 4.0	Ctr	Ctr	0.44
F	LOCK	5.0x 7.0	Ctr	-0.5	0.74
H	LOCK	4.0x 8.0	Ctr	Ctr	0.42
E	LOCK	5.0x 7.0	Ctr	-0.5	0.74
G	LOCK	2.0x 4.0	Ctr	Ctr	0.44

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 Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2548 Lbs
Quality Control Factor 1.25

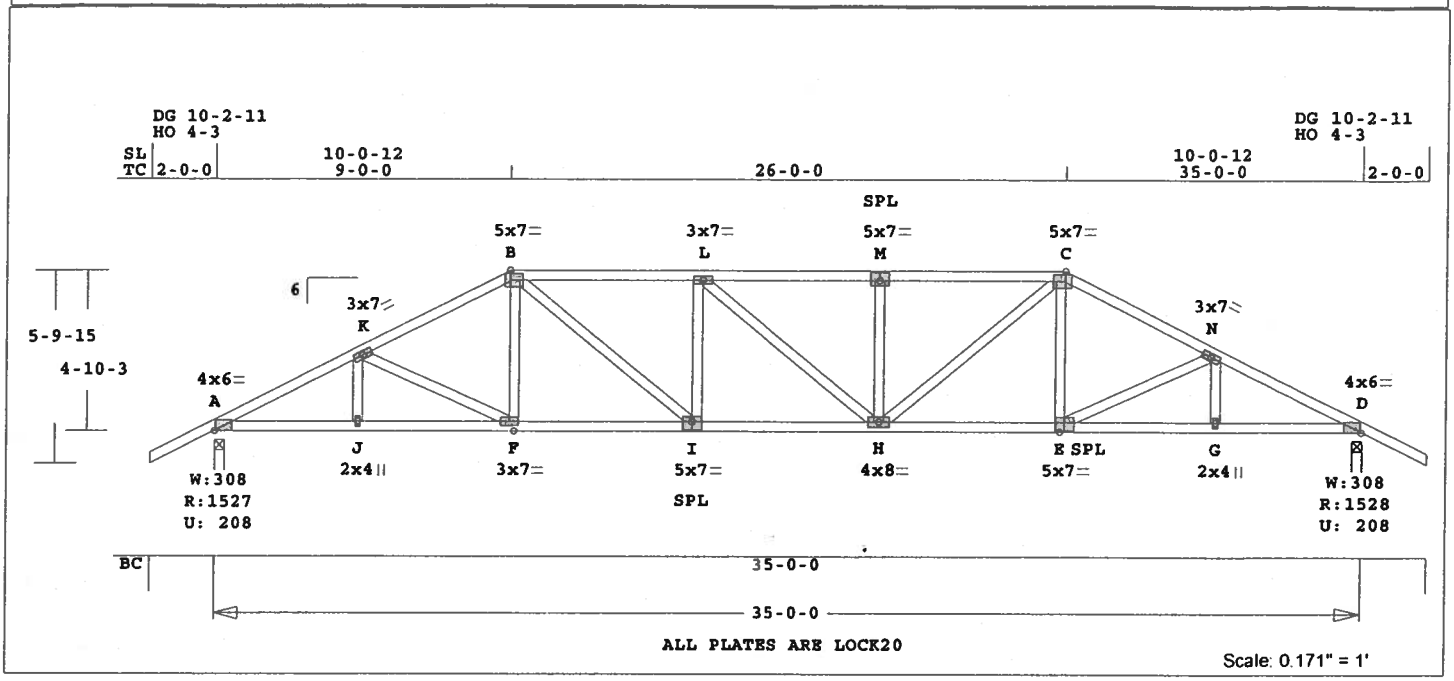
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	B3	1	HIPP	350000	6	2- 0- 0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 241.9 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.32	2x 4	SP-#2
BC	0.50	2x 4	SP-#2
WB	0.17	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	35- 0- 0
BC Cont.	0- 0- 0	35- 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 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size In-Sx	Req'd In-Sx
A	1528	209	3- 8	1-13
			Hz = -93	
D	1528	209	3- 8	1-13
			Hz = 94	

Membr	CSI	P Lbs	Axl	CSI-Bnd
Top Chords				
A -K	0.28	2601 C	0.14	0.14
K -B	0.29	2286 C	0.13	0.16
B -L	0.32	2618 C	0.07	0.25
L -M	0.32	2618 C	0.04	0.28
M -C	0.32	2618 C	0.04	0.28
C -N	0.29	2286 C	0.13	0.16
N -D	0.28	2601 C	0.14	0.14
Bottom Chords				
A -J	0.49	2318 T	0.38	0.11
J -F	0.47	2318 T	0.38	0.09
F -I	0.43	2047 T	0.34	0.09
I -H	0.50	2619 T	0.43	0.07
H -E	0.43	2047 T	0.34	0.09
E -G	0.47	2318 T	0.38	0.09
G -D	0.49	2318 T	0.38	0.11
Webs				
J -K	0.02	143 T		
K -F	0.09	293 C		
F -B	0.04	310 T		
B -I	0.17	733 T		
I -L	0.09	348 C		
L -H	0.02	47 C		
H -M	0.09	348 C		
H -C	0.17	731 T		
E -C	0.04	310 T		
E -N	0.09	293 C		
G -N	0.02	142 T		

TL Defl -0.34" in I -H L/999
LL Defl -0.16" in I -H L/999
Shear // Grain in B -L 0.23

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 6.0	Ctr	0.1	0.69
K	LOCK	3.0x 7.0	Ctr	Ctr	0.40
B	LOCK	5.0x 7.0	-0.5	-0.1	0.93
L	LOCK	3.0x 7.0	Ctr	Ctr	0.43
M	LOCK	5.0x 7.0	Ctr	0.5	0.74
C	LOCK	5.0x 7.0	0.5	-0.1	0.93
N	LOCK	3.0x 7.0	Ctr	Ctr	0.40
D	LOCK	4.0x 6.0	Ctr	0.1	0.69
J	LOCK	2.0x 4.0	Ctr	Ctr	0.44
F	LOCK	3.0x 7.0	Ctr	Ctr	0.45
I	LOCK	5.0x 7.0	Ctr	-0.5	0.74
H	LOCK	4.0x 8.0	Ctr	Ctr	0.43
E	LOCK	5.0x 7.0	Ctr	-0.5	0.74
G	LOCK	2.0x 4.0	Ctr	Ctr	0.44

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
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2618 Lbs
Quality Control Factor 1.25

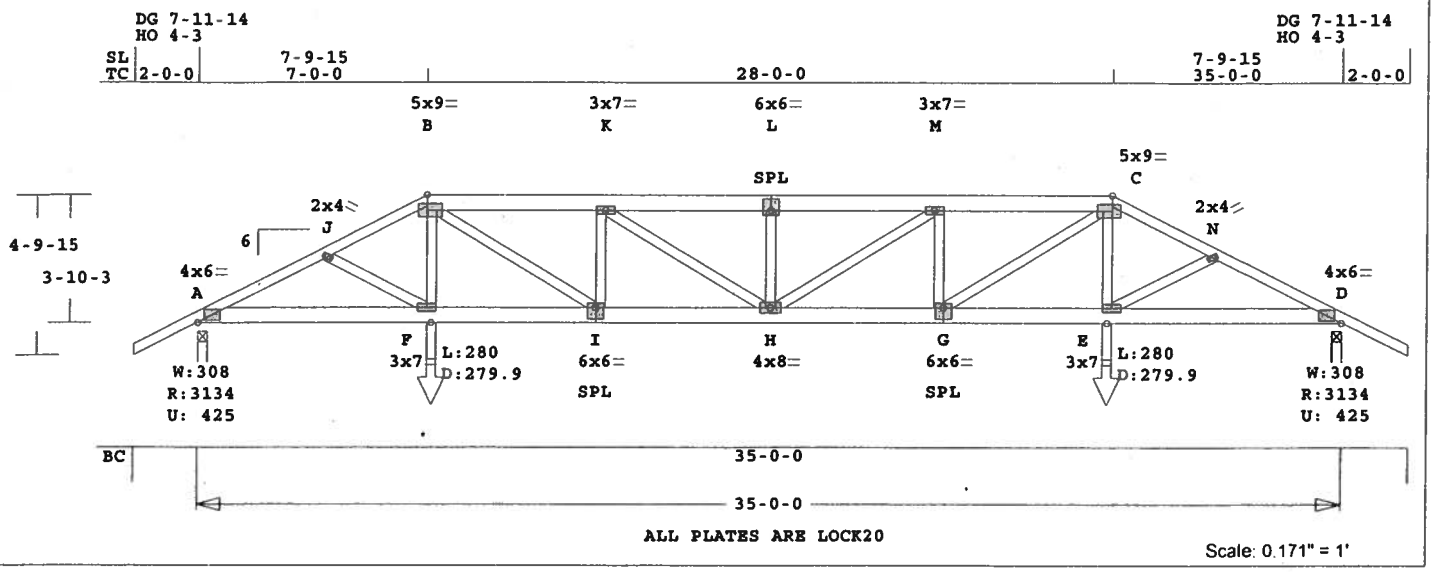
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	B4	1*2P	HIP	35'0000	6	2- 0- 0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 281.3 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06
****
* 2-Ply Truss *
****

	CSI	-Size-	----Lumber----
TC	0.34	2x 4	SP-#2
EX B -L		2x 6	SP-#2
EX L -C		2x 6	SP-#2
BC	0.59	2x 6	SP-#2
WB	0.26	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	35- 0- 0
BC	Cont.	0- 0- 0	35- 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=1.00 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'	35.0'
BC V	0	20	0.0'	35.0'
TC V	50	25	7.0'	28.0'
BC V	0	25	7.1'	27.9'
BC V	280	280	7.1'	CL-LB
BC V	280	280	27.9'	CL-LB

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

Jt	React Lbs	Uplft Lbs	Size In-Sx	Req'd In-Sx
A	3134	425	3- 8	1-14
			Hz =	-70
D	3134	425	3- 8	1-14
			Hz =	71

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -J	0.23	6121 C	0.18 0.05
J -B	0.34	6043 C	0.07 0.27
B -K	0.25	7839 C	0.06 0.19
K -L	0.26	8480 C	0.18 0.08
L -M	0.26	8480 C	0.18 0.08
M -C	0.25	7840 C	0.06 0.19
C -N	0.34	6043 C	0.07 0.27
N -D	0.23	6121 C	0.18 0.05
Bottom Chords			
A -F	0.44	5448 T	0.36 0.08
F -I	0.44	5429 T	0.36 0.08
I -H	0.59	7839 T	0.52 0.07
H -G	0.59	7839 T	0.52 0.07
G -E	0.44	5429 T	0.36 0.08
E -D	0.44	5449 T	0.36 0.08
Webs			
J -F	0.01	159 T	
F -B	0.06	734 T	
B -I	0.26	2834 T	
I -K	0.06	1214 C	
K -H	0.07	765 T	
H -L	0.03	645 C	
H -M	0.07	765 T	
G -M	0.06	1214 C	
G -C	0.26	2834 T	
E -C	0.06	734 T	
E -N	0.01	159 T	

TL Defl -0.41" in H -G L/999
LL Defl -0.20" in H -G L/999
Shear // Grain in B -K 0.17

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 6.0	Ctr	Ctr	0.72
J	LOCK	2.0x 4.0	Ctr	Ctr	0.44
B	LOCK	5.0x 9.0	-0.5 Ctr		1.00
K	LOCK	3.0x 7.0	Ctr	Ctr	0.42
L	LOCK	6.0x 6.0	Ctr	1.2	0.59
M	LOCK	3.0x 7.0	Ctr	Ctr	0.42
C	LOCK	5.0x 9.0	0.5 Ctr		1.00
N	LOCK	2.0x 4.0	Ctr	Ctr	0.44
D	LOCK	4.0x 6.0	Ctr	Ctr	0.72
F	LOCK	3.0x 7.0	Ctr	Ctr	0.44
I	LOCK	6.0x 6.0	Ctr	-1.2	0.68
H	LOCK	4.0x 8.0	Ctr	Ctr	0.44
G	LOCK	6.0x 6.0	Ctr	-1.2	0.68
E	LOCK	3.0x 7.0	Ctr	Ctr	0.44

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
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 Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 8480 Lbs
Quality Control Factor 1.25

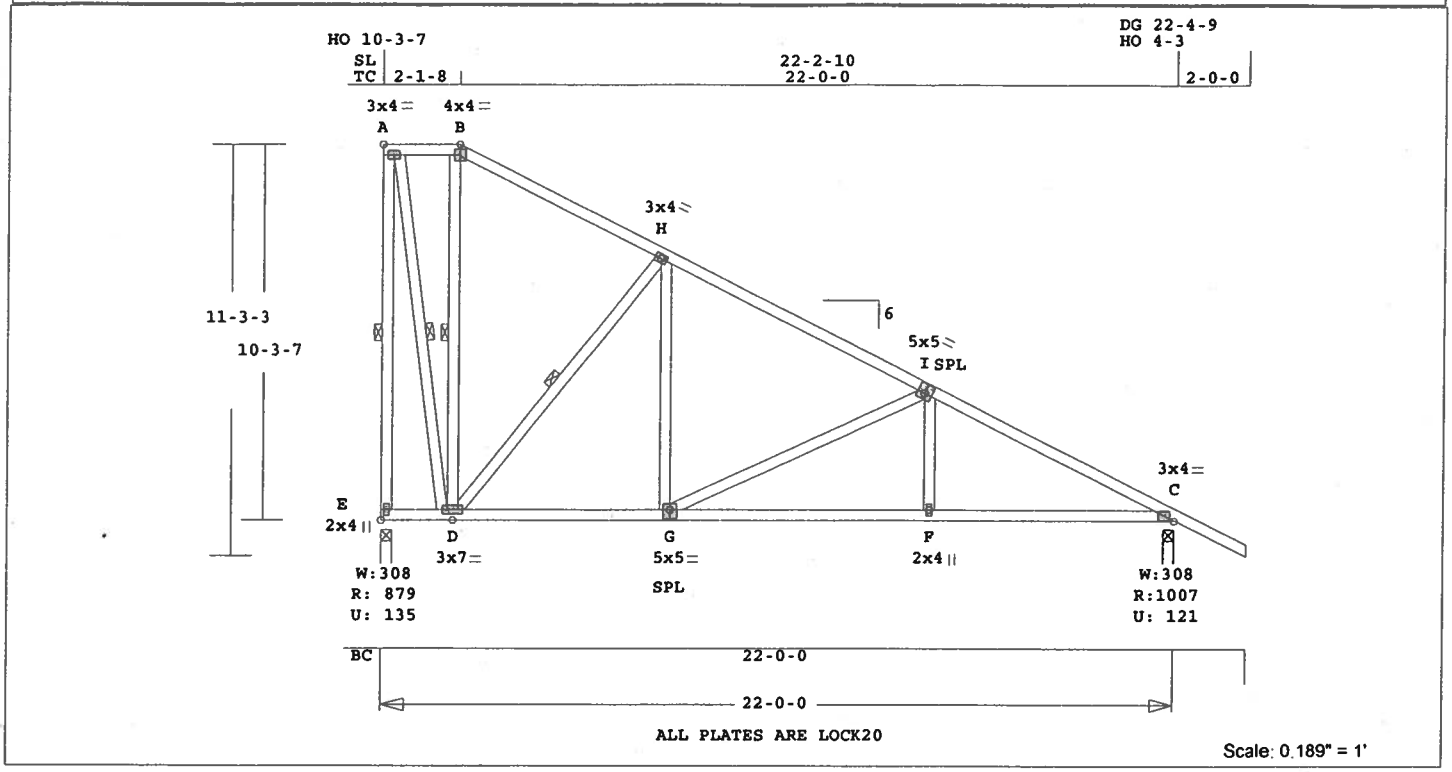
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	B5	1	HHIP	220000	6	0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 197.7 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.47	2x 4	SP-#2
BC	0.40	2x 4	SP-#2
WB	0.58	2x 4	SP-#2

Brace truss as follows:

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

WB 1 rows CLB on E -A
WB 1 rows CLB on A -D
WB 1 rows CLB on D -B
WB 1 rows CLB on D -H
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 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
E	880	135	3- 8	1- 8
			Hz =	-356
C	1008	122	3- 8	1- 8
			Hz =	165

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -B	0.13	288	T	0.03	0.10
B -H	0.45	245	C	0.00	0.45
H -I	0.46	730	C	0.00	0.46
I -C	0.47	1402	C	0.01	0.46
Bottom Chords					
E -D	0.09	281	T	0.00	0.09
D -G	0.31	653	T	0.06	0.25
G -F	0.40	1264	T	0.13	0.27
F -C	0.40	1264	T	0.13	0.27
Webs					
E -A	0.58	867	C	WindLd	1 Br
A -D	0.15	845	T		1 Br
D -B	0.05	151	C		1 Br
D -H	0.22	786	C		1 Br
G -H	0.07	496	T		
G -I	0.54	674	C		
F -I	0.04	293	T		

TL Defl -0.14" in G -F L/999
LL Defl -0.06" in G -F L/999
Shear // Grain in H -I 0.25

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

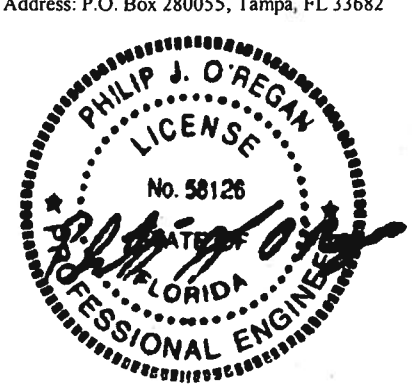
Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.71
B	LOCK	4.0x 4.0	Ctr	Ctr	0.89
H	LOCK	3.0x 4.0	Ctr	Ctr	0.60
I	LOCK	5.0x 5.0	0.2	0.5	0.58
C	LOCK	3.0x 4.0	Ctr	Ctr	0.80
E	LOCK	2.0x 4.0	Ctr	Ctr	0.48
D	LOCK	3.0x 7.0	Ctr	Ctr	0.77
G	LOCK	5.0x 5.0	Ctr	-0.5	0.59
F	LOCK	2.0x 4.0	Ctr	Ctr	0.40

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
OH Loading
Soffit psf 2.0
Provide connection to bearing for 356 Lbs Horiz Reaction
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1402 Lbs
Quality Control Factor 1.25

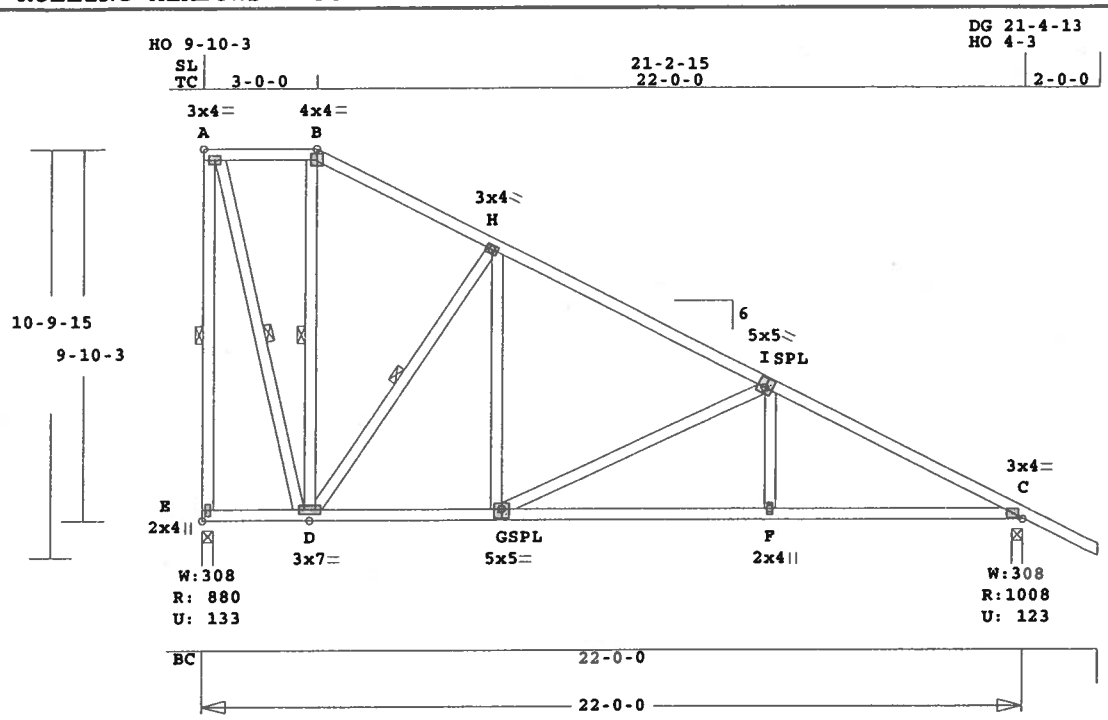
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	B6	1	HHIP	220000	6	0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 194.3 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.48	2x 4	SP-#2
BC	0.40	2x 4	SP-#2
WB	0.55	2x 4	SP-#2

Brace truss as follows:

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

WB 1 rows CLB on E -A
WB 1 rows CLB on A -D
WB 1 rows CLB on D -B
WB 1 rows CLB on D -H
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 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
E	880	134	3- 8	1- 8
			Hz =	-340
C	1008	123	3- 8	1- 8
			Hz =	158

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -B	0.10	313 T	0.04 0.06
B -H	0.41	273 C	0.00 0.41
H -I	0.47	727 C	0.00 0.47
I -C	0.48	1404 C	0.01 0.47
Bottom Chords			
E -D	0.06	268 T	0.00 0.06
D -G	0.29	648 T	0.06 0.23
G -F	0.40	1267 T	0.13 0.27
F -C	0.40	1267 T	0.13 0.27
Webs			
E -A	0.53	854 C	WindLd 1 Br
A -D	0.14	807 T	1 Br
D -B	0.02	97 C	1 Br
D -H	0.18	744 C	1 Br
G -H	0.07	482 T	
G -I	0.55	683 C	
F -I	0.04	296 T	

TL Defl -0.14" in G -F L/999
LL Defl -0.06" in G -F L/999
Shear // Grain in H -I 0.26

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

Jt	Type	Plt Size X	Y	JSI
A	LOCK	3.0x 4.0 Ctr	Ctr	0.71
B	LOCK	4.0x 4.0 Ctr	Ctr	0.89
H	LOCK	3.0x 4.0 Ctr	Ctr	0.60
I	LOCK	5.0x 5.0 0.2	0.5	0.58
C	LOCK	3.0x 4.0 Ctr	Ctr	0.80
E	LOCK	2.0x 4.0 Ctr	Ctr	0.48
D	LOCK	3.0x 7.0 Ctr	Ctr	0.75
G	LOCK	5.0x 5.0 Ctr	-0.5	0.59
F	LOCK	2.0x 4.0 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.

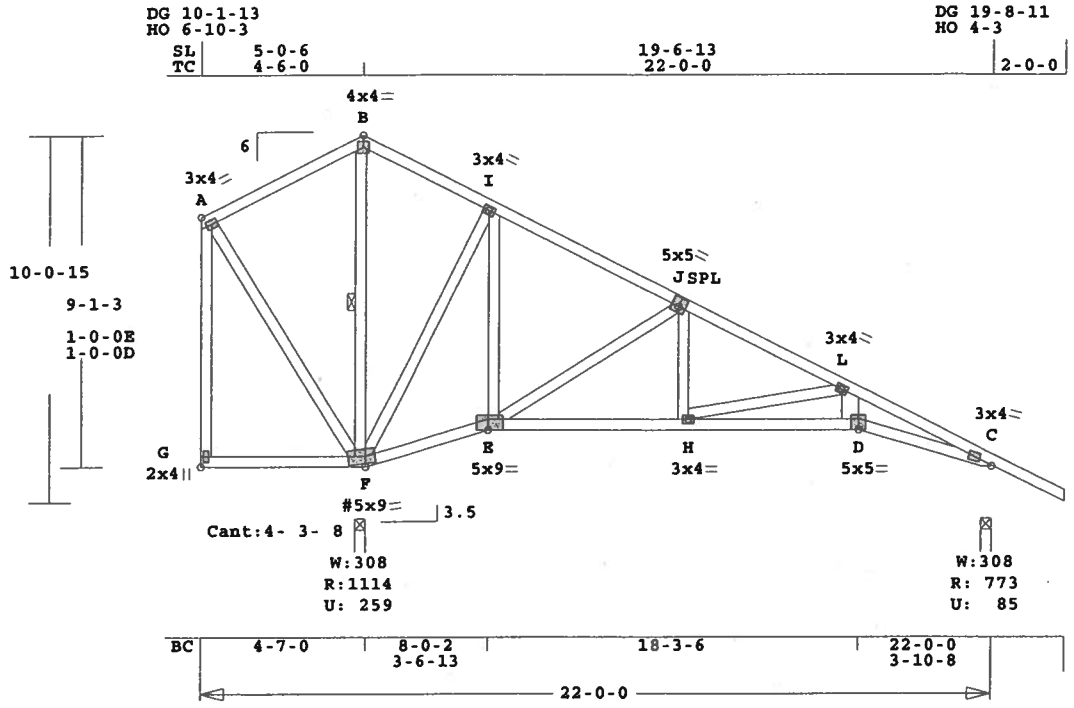
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Provide connection to bearing for 340 Lbs Horiz Reaction
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1404 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	B7	3	SP	22'0000	6	0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



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

Scale: 0.189" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 188.4 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.27	2x 4	SP-#2
BC	0.47	2x 4	SP-#2
WB	0.48	2x 4	SP-#2
EX D -L		2x 6	SP-#2

Brace truss as follows:

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

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

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"

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

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

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
F	1114	259	3- 8	1- 8
		Hz =	-275	
C	774	86	3- 8	1- 8
		Hz =	151	

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -B	0.22	116	T	0.00	0.22
B -I	0.18	124	T	0.00	0.18
I -J	0.27	244	C	0.00	0.27
J -L	0.27	884	C	0.00	0.27
L -C	0.19	2067	C	0.11	0.08
Bottom Chords					
G -F	0.24	140	T	0.00	0.24
F -E	0.40	225	T	0.03	0.37
E -H	0.21	804	T	0.13	0.08
H -D	0.36	1842	T	0.30	0.06
D -C	0.47	1903	T	0.32	0.15
Webs					
G -A	0.25	106	T	WindLd	
A -F	0.13	315	T		
F -B	0.08	342	C		1 Br
F -I	0.48	632	C		
E -I	0.08	440	T		
E -J	0.32	693	C		
H -J	0.05	374	T		
H -L	0.29	1061	C		
D -L	0.07	566	T		

TL Defl -0.15" in H -D L/999
LL Defl -0.07" in H -D L/999
LL Cant -0.02" in G -F L/999

Hz Disp	LL	DL	TL
Jt F	0.05"	0.05"	0.10"

Shear // Grain in J -L 0.20

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.71
B	LOCK	4.0x 4.0	Ctr	Ctr	0.66
I	LOCK	3.0x 4.0	Ctr	Ctr	0.60
J	LOCK	5.0x 5.0	0.2	0.5	0.58
L	LOCK	3.0x 4.0	Ctr	Ctr	0.70
C	LOCK	3.0x 4.0	Ctr	Ctr	0.97
G	LOCK	2.0x 4.0	Ctr	Ctr	0.40
F#	LOCK	5.0x 9.0	-1.2	3.4	0.60
E	LOCK	5.0x 9.0	0.5	-1.0	0.65
H	LOCK	3.0x 4.0	Ctr	Ctr	0.72
D	LOCK	5.0x 5.0	Ctr	-1.0	0.73

= Plate Monitor used

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

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

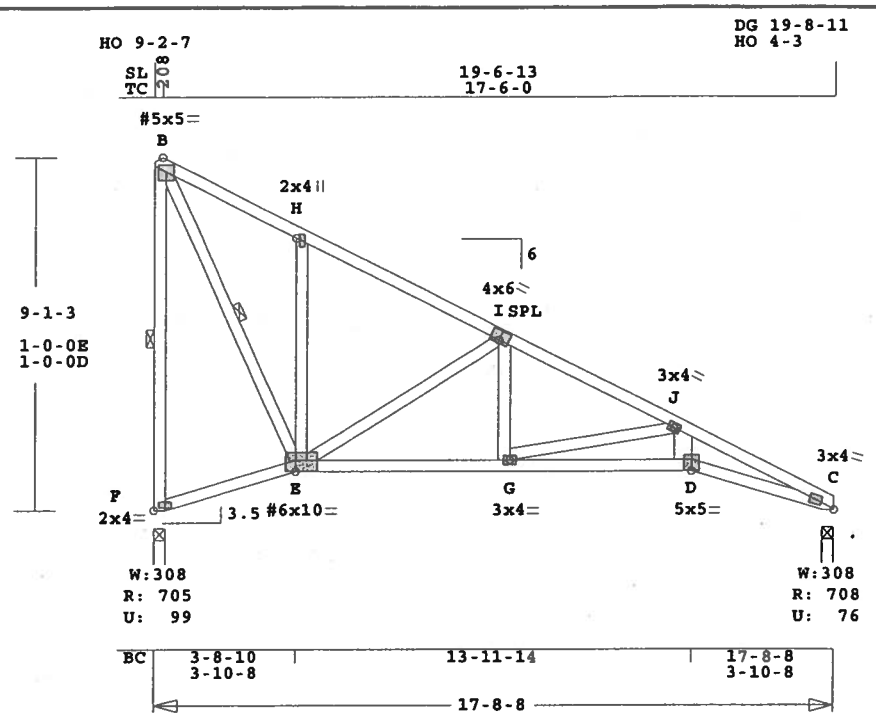
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2067 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	B8	5	SP	170808	6	0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



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

Scale: 0.201" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 141.7 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.27	2x 4	SP-#2
BC	0.53	2x 4	SP-#2
WB	0.50	2x 4	SP-#2
EX D -J		2x 6	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.		0- 0- 0	17- 8- 8
BC Cont.		0- 0- 0	17- 8- 8

WB 1 rows CLB on F -B
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 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
F	705	99	3- 8	1- 8
			Hz =	-312
C	708	76	3- 8	1- 8
			Hz =	135

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
B -H	0.22	417	C	0.04	0.18
H -I	0.27	407	C	0.00	0.27
I -J	0.27	1053	C	0.00	0.27
J -C	0.16	2326	C	0.10	0.06
Bottom Chords					
F -E	0.14	314	T	0.00	0.14
E -G	0.35	956	T	0.16	0.19
G -D	0.41	2070	T	0.34	0.07
D -C	0.53	2139	T	0.36	0.17
Webs					
F -B	0.50	649	C	WindLd	1 Br
B -E	0.15	824	T		1 Br
E -H	0.13	324	T		
E -I	0.32	694	C		
G -I	0.05	372	T		
G -J	0.31	1140	C		
D -J	0.08	630	T		

TL Defl -0.16" in G -D L/999
LL Defl -0.08" in G -D L/999

Hz Disp	LL	DL	TL
Jt C	0.05"	0.05"	0.11"

Shear // Grain in I -J 0.20

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

Jt	Type	Plt Size	X	Y	JSI
B#	LOCK	5.0x 5.0	Ctr	-0.2	0.39
H	LOCK	2.0x 4.0	Ctr	Ctr	0.38
I	LOCK	4.0x 6.0	0.5	0.9	0.57
J	LOCK	3.0x 4.0	Ctr	Ctr	0.64
C	LOCK	3.0x 4.0	Ctr	Ctr	0.89
F	LOCK	2.0x 4.0	Ctr	Ctr	0.46
E#	LOCK	6.0x10.0	Ctr	-0.4	0.48
G	LOCK	3.0x 4.0	Ctr	Ctr	0.69
D	LOCK	5.0x 5.0	Ctr	-1.0	0.73

= Plate Monitor used

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

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

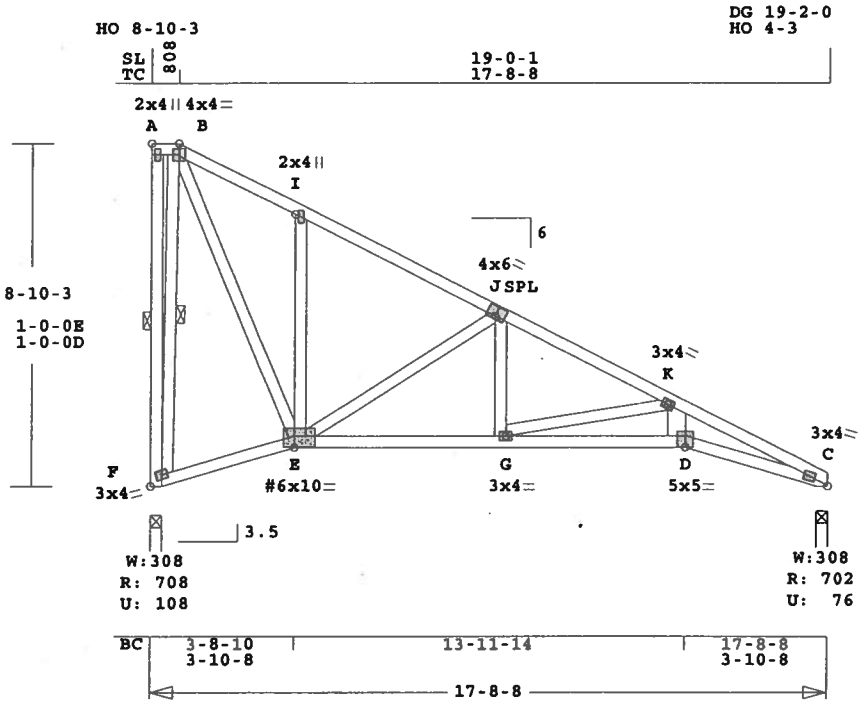
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Provide connection to bearing for 313 Lbs Horiz Reaction
Design checked for 10 psf non-concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2326 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	B9	1	SP	170808	6	0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



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

Scale: 0.200" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 156.0 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.28	2x 4	SP-#2
BC	0.52	2x 4	SP-#2
WB	0.43	2x 4	SP-#2
EX D -K		2x 6	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	17- 8- 8
BC Cont.	0- 0- 0	17- 8- 8

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

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"

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

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

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
F	708	108	3- 8	1- 8
			Hz =	-304
C	702	77	3- 8	1- 8
			Hz =	131

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -B	0.06	185 T	0.00	0.06
B -I	0.19	395 C	0.04	0.15
I -J	0.28	389 C	0.00	0.28
J -K	0.28	1038 C	0.00	0.28
K -C	0.16	2301 C	0.10	0.06
--------Bottom Chords---------				
F -E	0.14	293 T	0.00	0.14
E -G	0.34	943 T	0.15	0.19
G -D	0.41	2048 T	0.34	0.07
D -C	0.52	2116 T	0.35	0.17
------------Webs------------				
F -A	0.43	111 C	WindLd 1	Br
F -B	0.13	549 C	1	Br
B -E	0.31	784 T		
E -I	0.11	298 T		
E -J	0.33	698 C		
G -J	0.05	372 T		
G -K	0.30	1131 C		
D -K	0.08	624 T		

TL Defl	-0.16" in G -D		L/999
LL Defl	-0.08" in G -D		L/999
Hz Disp	LL	DL	TL
Jt C	0.05"	0.05"	0.10"
Shear // Grain		in J -K	0.20

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.40
B	LOCK	4.0x 4.0	Ctr	Ctr	0.81
I	LOCK	2.0x 4.0	Ctr	Ctr	0.38
J	LOCK	4.0x 6.0	0.5	0.9	0.57
K	LOCK	3.0x 4.0	Ctr	Ctr	0.64
C	LOCK	3.0x 4.0	Ctr	Ctr	0.89
F	LOCK	3.0x 4.0	Ctr	Ctr	0.65
E#	LOCK	6.0x10.0	-0.1	-0.3	0.49
G	LOCK	3.0x 4.0	Ctr	Ctr	0.68
D	LOCK	5.0x 5.0	Ctr	-1.0	0.73

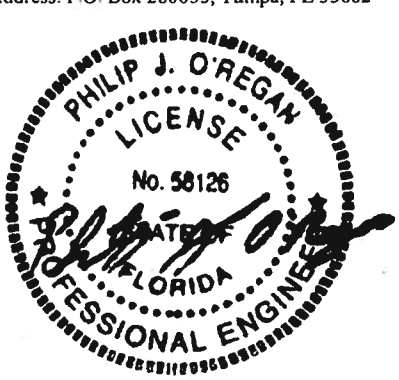
= Plate Monitor used

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

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Provide connection to bearing for 305 Lbs Horiz Reaction
Design checked for 10 psf non-concurrent LL on BC.
NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2301 Lbs
Quality Control Factor 1.25

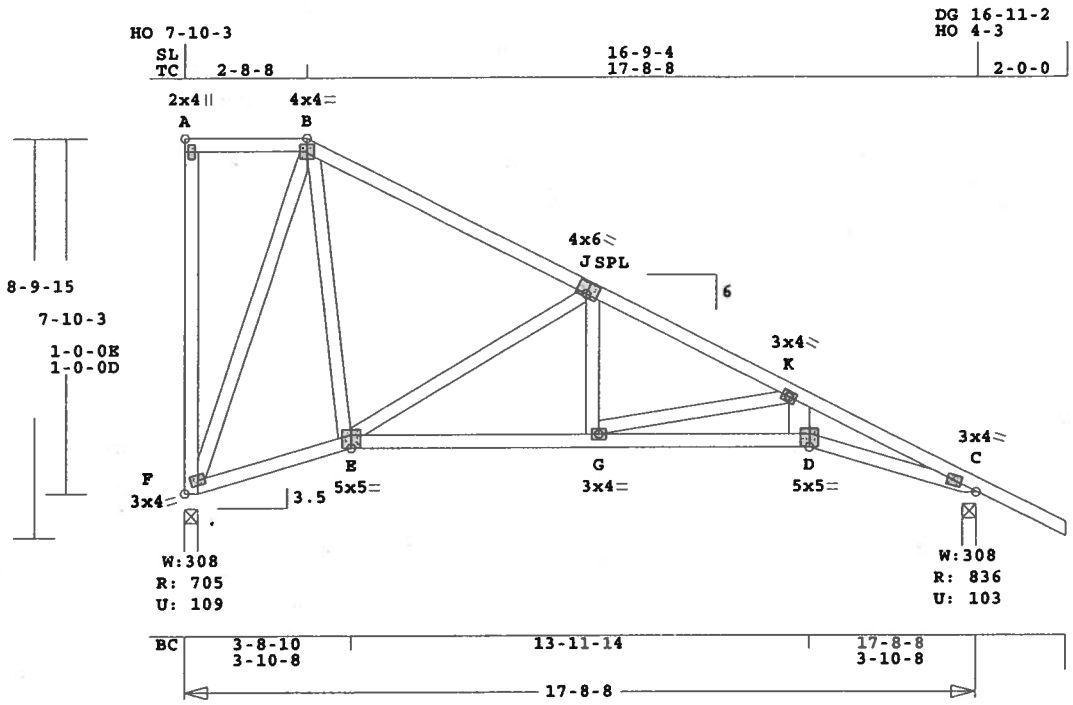
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	B10	1	SP	170808	6	0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 143.6 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.37	2x 4	SP-#2
BC	0.52	2x 4	SP-#2
WB	0.55	2x 4	SP-#2
EX D -K		2x 6	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	17- 8- 8
BC Cont.	0- 0- 0	17- 8- 8

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

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
F	705	109	3- 8	1- 8
			Hz =	-269
C	836	103	3- 8	1- 8
			Hz =	116

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -B	0.15	164	T	0.02	0.13
B -J	0.37	363	C	0.00	0.37
J -K	0.37	1069	C	0.00	0.37
K -C	0.15	2311	C	0.04	0.11
Bottom Chords					
F -E	0.13	244	T	0.04	0.09
E -G	0.29	976	T	0.16	0.13
G -D	0.41	2055	T	0.34	0.07
D -C	0.52	2124	T	0.35	0.17
Webs					
F -A	0.33	67	C	WindLd	
F -B	0.55	704	C		
B -E	0.10	551	T		
E -J	0.39	763	C		
G -J	0.05	384	T		
G -K	0.30	1104	C		
D -K	0.08	624	T		

TL Defl -0.15" in G -D L/999
LL Defl -0.07" in G -D L/999

Hz Disp	LL	DL	TL
Jt C	0.05"	0.05"	0.10"

Shear // Grain in B -J 0.23

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.40
B	LOCK	4.0x 4.0	Ctr	Ctr	0.81
J	LOCK	4.0x 6.0	0.5	0.9	0.61
K	LOCK	3.0x 4.0	Ctr	Ctr	0.64
C	LOCK	3.0x 4.0	Ctr	Ctr	0.89
F	LOCK	3.0x 4.0	Ctr	Ctr	0.65
E	LOCK	5.0x 5.0	Ctr	-1.0	0.48
G	LOCK	3.0x 4.0	Ctr	Ctr	0.67
D	LOCK	5.0x 5.0	Ctr	-1.0	0.73

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

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

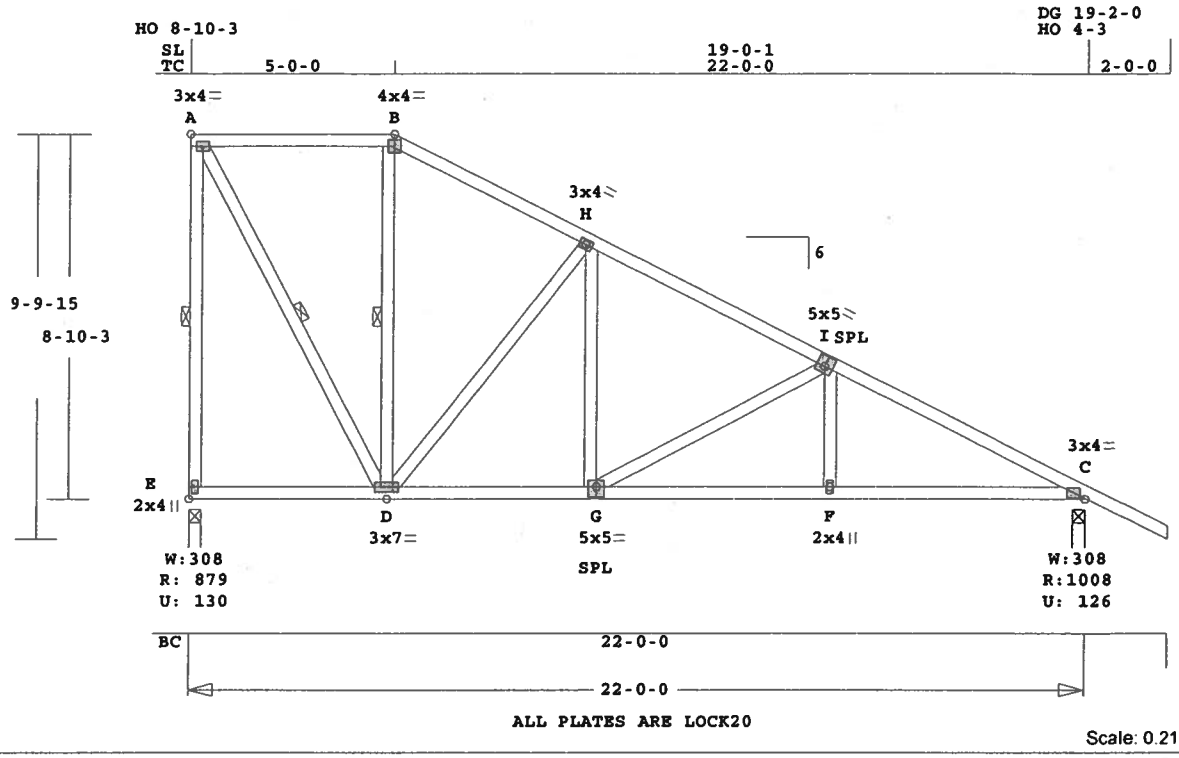
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 2311 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	B11	1	HHIP	220000	6	0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 183.1 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.33	2x 4	SP-#2
BC	0.33	2x 4	SP-#2
WB	0.49	2x 4	SP-#2

Brace truss as follows:

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

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

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"

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

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

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
E	880	131	3- 8	1- 8
			Hz =	-304
C	1008	126	3- 8	1- 8
			Hz =	141

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -B	0.24	387 C	0.00	0.24	
B -H	0.27	441 C	0.00	0.27	
H -I	0.32	890 C	0.00	0.32	
I -C	0.33	1424 C	0.01	0.32	
Bottom Chords					
E -D	0.14	298 T	0.00	0.14	
D -G	0.22	794 T	0.08	0.14	
G -F	0.32	1280 T	0.21	0.11	
F -C	0.33	1280 T	0.21	0.12	
Webs					
E -A	0.43	838 C	WindLd	1 Br	
A -D	0.14	803 T		1 Br	
D -B	0.02	108 T		1 Br	
D -H	0.49	642 C			
G -H	0.06	410 T			
G -I	0.30	552 C			
F -I	0.03	250 T			

TL Defl -0.09" in G -F L/999
LL Defl -0.03" in G -F L/999
Shear // Grain in I -C 0.22

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.71
B	LOCK	4.0x 4.0	Ctr	Ctr	0.89
H	LOCK	3.0x 4.0	Ctr	Ctr	0.60
I	LOCK	5.0x 5.0	0.2	0.5	0.58
C	LOCK	3.0x 4.0	Ctr	Ctr	0.80
E	LOCK	2.0x 4.0	Ctr	Ctr	0.47
D	LOCK	3.0x 7.0	Ctr	Ctr	0.62
G	LOCK	5.0x 5.0	Ctr	-0.5	0.59
F	LOCK	2.0x 4.0	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.

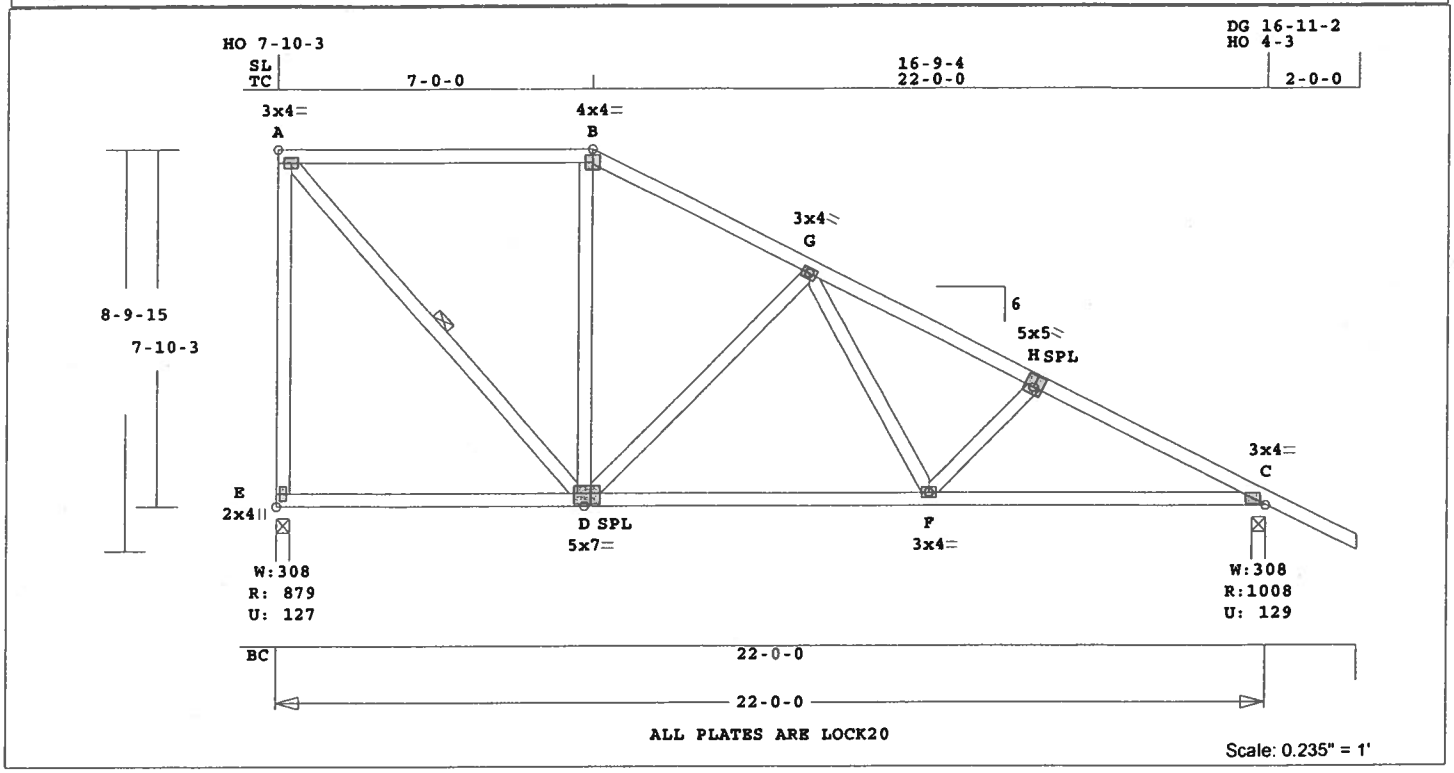
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Provide connection to bearing for 304 Lbs Horiz Reaction
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1424 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	B12	1	HHIP	220000	6	0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 166.3 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.52	2x 4	SP-#2
BC	0.42	2x 4	SP-#2
WB	0.59	2x 4	SP-#2

Brace truss as follows:

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

WB 1 rows CLB on A -D
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 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
E	880	128	3- 8	1- 8
			Hz =	-268
C	1008	129	3- 8	1- 8
			Hz =	124

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -B	0.52	563	C	0.00	0.52
B -G	0.24	629	C	0.04	0.20
G -H	0.27	1245	C	0.07	0.20
H -C	0.23	1463	C	0.01	0.22
Bottom Chords					
E -D	0.32	268	T	0.00	0.32
D -F	0.41	926	T	0.09	0.32
F -C	0.42	1315	T	0.13	0.29
Webs					
E -A	0.59	824	C	WindLd	
A -D	0.15	849	T		1 Br
D -B	0.07	128	T		
D -G	0.33	522	C		
G -F	0.07	433	T		
F -H	0.05	290	C		

TL Defl -0.12" in E -D L/999
LL Defl -0.05" in E -D L/999
Shear // Grain in A -B 0.27

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.71
B	LOCK	4.0x 4.0	Ctr	Ctr	0.89
G	LOCK	3.0x 4.0	Ctr	Ctr	0.55
H	LOCK	5.0x 5.0	0.2	0.5	0.58
C	LOCK	3.0x 4.0	Ctr	Ctr	0.80
E	LOCK	2.0x 4.0	Ctr	Ctr	0.46
D	LOCK	5.0x 7.0	-1.0	-0.5	0.81
F	LOCK	3.0x 4.0	Ctr	Ctr	0.43

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

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

NOTES:

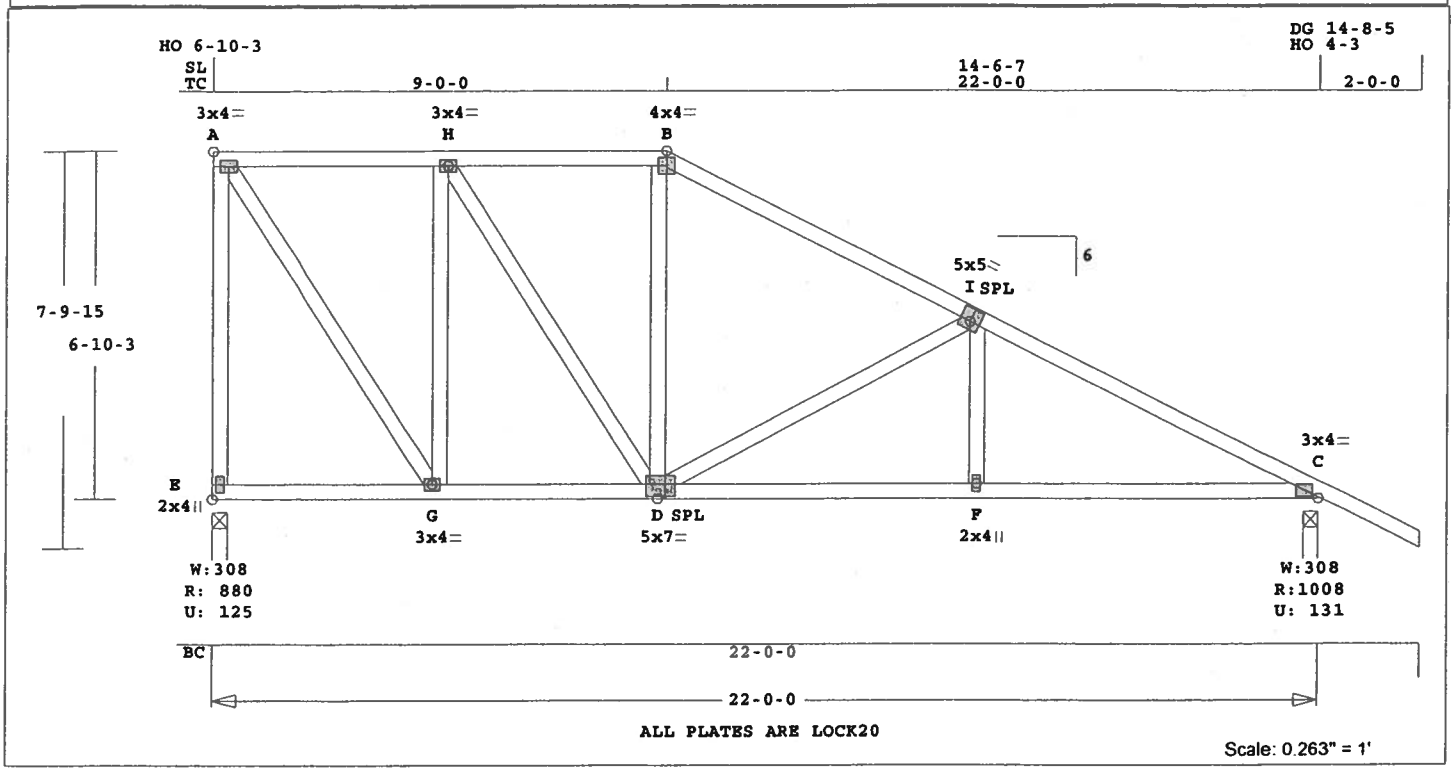
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1463 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	B13	1	HHIP	220000	6	0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 173.2 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.43	2x 4	SP-#2
BC	0.37	2x 4	SP-#2
WB	0.45	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	22- 0- 0
BC	Cont.	0- 0- 0	22- 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 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	Size Req'd In-Sx
E	880	125	3- 8	1- 8
			Hz =	-232
C	1008	132	3- 8	1- 8
			Hz =	107

Membr	CSI	P Lbs	Axl	CSI-Bnd
Top Chords				
A -H	0.20	482	C	0.00 0.20
H -B	0.20	709	C	0.00 0.20
B -I	0.42	804	C	0.00 0.42
I -C	0.43	1398	C	0.08 0.35
Bottom Chords				
E -G	0.10	182	T	0.00 0.10
G -D	0.20	482	T	0.05 0.15
D -F	0.37	1259	T	0.13 0.24
F -C	0.37	1259	T	0.13 0.24
Webs				
E -A	0.45	840	C	WindLd
A -G	0.29	872	T	
G -H	0.34	636	C	
H -D	0.18	408	T	
D -B	0.02	169	T	
D -I	0.40	624	C	
F -I	0.04	278	T	

TL Defl -0.10" in F -C L/999
LL Defl -0.04" in F -C L/999
Shear // Grain in B -I 0.24

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.71
H	LOCK	3.0x 4.0	Ctr	Ctr	0.53
B	LOCK	4.0x 4.0	Ctr	Ctr	0.89
I	LOCK	5.0x 5.0	0.2	0.5	0.58
C	LOCK	3.0x 4.0	Ctr	Ctr	0.80
E	LOCK	2.0x 4.0	Ctr	Ctr	0.43
G	LOCK	3.0x 4.0	Ctr	Ctr	0.58
D	LOCK	5.0x 7.0	-1.0	-0.5	0.60
F	LOCK	2.0x 4.0	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:

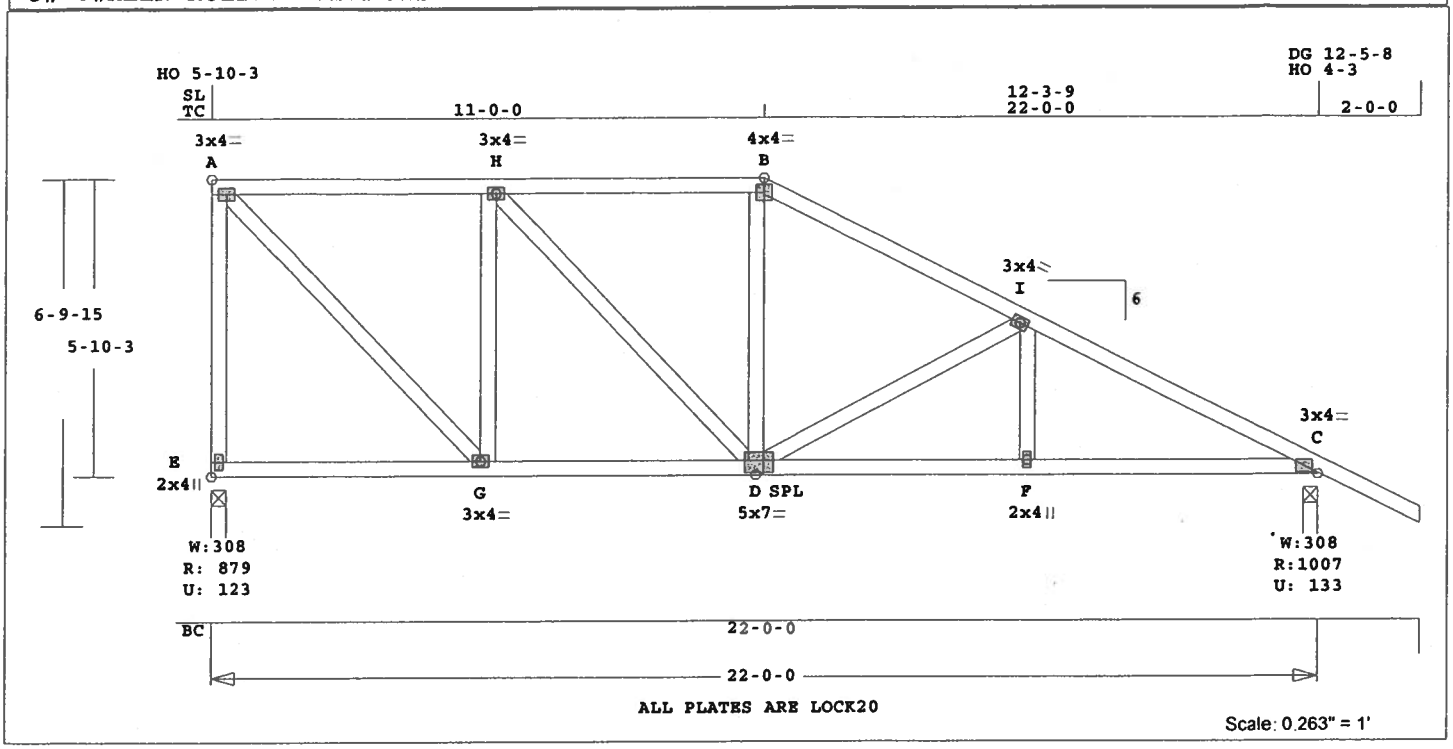
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1398 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	B14	1	HHIP	220000	6	0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 163.4 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.34	2x 4	SP-#2
BC	0.30	2x 4	SP-#2
WB	0.32	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	22- 0- 0
BC	Cont.	0- 0- 0	22- 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 9 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	880	123	3- 8	1- 8
			Hz =	-196
C	1008	134	3- 8	1- 8
			Hz =	91

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -H	0.34	673	C	0.00	0.34
H -B	0.34	867	C	0.00	0.34
B -I	0.30	976	C	0.06	0.24
I -C	0.32	1450	C	0.08	0.24
Bottom Chords					
E -G	0.18	209	T	0.00	0.18
G -D	0.25	673	T	0.07	0.18
D -F	0.29	1302	T	0.21	0.08
F -C	0.30	1302	T	0.21	0.09

Webs				
E -A	0.32	833	C	WindLd
A -G	0.30	971	T	
G -H	0.22	579	C	
H -D	0.13	278	T	
D -B	0.03	226	T	
D -I	0.22	495	C	
F -I	0.03	223	T	

TL Defl -0.08" in D -F L/999
LL Defl -0.04" in D -F L/999
Shear // Grain in A -H 0.25

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.71
H	LOCK	3.0x 4.0	Ctr	Ctr	0.53
B	LOCK	4.0x 4.0	Ctr	Ctr	0.89
I	LOCK	3.0x 4.0	Ctr	Ctr	0.60
C	LOCK	3.0x 4.0	Ctr	Ctr	0.80
E	LOCK	2.0x 4.0	Ctr	Ctr	0.42
G	LOCK	3.0x 4.0	Ctr	Ctr	0.61
D	LOCK	5.0x 7.0-1.0-0.5			0.59
F	LOCK	2.0x 4.0	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

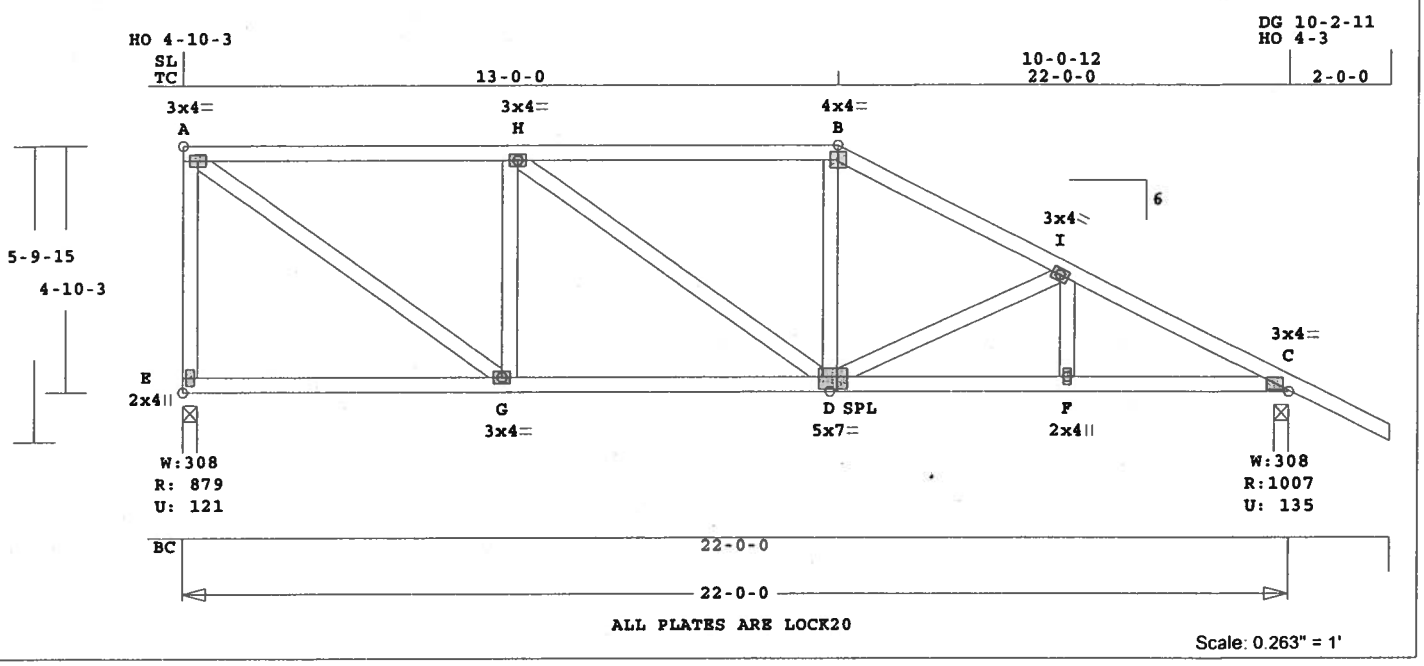
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1450 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	B15	1	HHIP	220000	6	0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 154.8 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.49	2x 4	SP-#2
BC	0.35	2x 4	SP-#2
WB	0.35	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.		0- 0- 0	22- 0- 0
BC Cont.		0- 0- 0	22- 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 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
E	880	121	3- 8	1- 8
			Hz =	-160
C	1008	136	3- 8	1- 8
			Hz =	74

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -H	0.49	933 C	0.00		0.49
H -B	0.49	1032 C	0.00		0.49
B -I	0.23	1151 C	0.07		0.16
I -C	0.25	1519 C	0.09		0.16
Bottom Chords					
E -G	0.26	179 T	0.00		0.26
G -D	0.35	933 T	0.09		0.26
D -F	0.31	1359 T	0.22		0.09
F -C	0.26	1359 T	0.22		0.04
Webs					
E -A	0.21	825 C	WindLd		
A -G	0.35	1148 T			
G -H	0.13	525 C			
H -D	0.09	129 C			
D -B	0.04	277 T			
D -I	0.12	361 C			
F -I	0.02	158 T			

TL Defl -0.11" in E -G L/999
LL Defl -0.05" in E -G L/999
Shear // Grain in A -H 0.30

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.71
H	LOCK	3.0x 4.0	Ctr	Ctr	0.53
B	LOCK	4.0x 4.0	Ctr	Ctr	0.89
I	LOCK	3.0x 4.0	Ctr	Ctr	0.60
C	LOCK	3.0x 4.0	Ctr	Ctr	0.80
E	LOCK	2.0x 4.0	Ctr	Ctr	0.40
G	LOCK	3.0x 4.0	Ctr	Ctr	0.69
D	LOCK	5.0x 7.0-1.0-0.5			0.59
F	LOCK	2.0x 4.0	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
OH Loading
Soffit psf 2.0

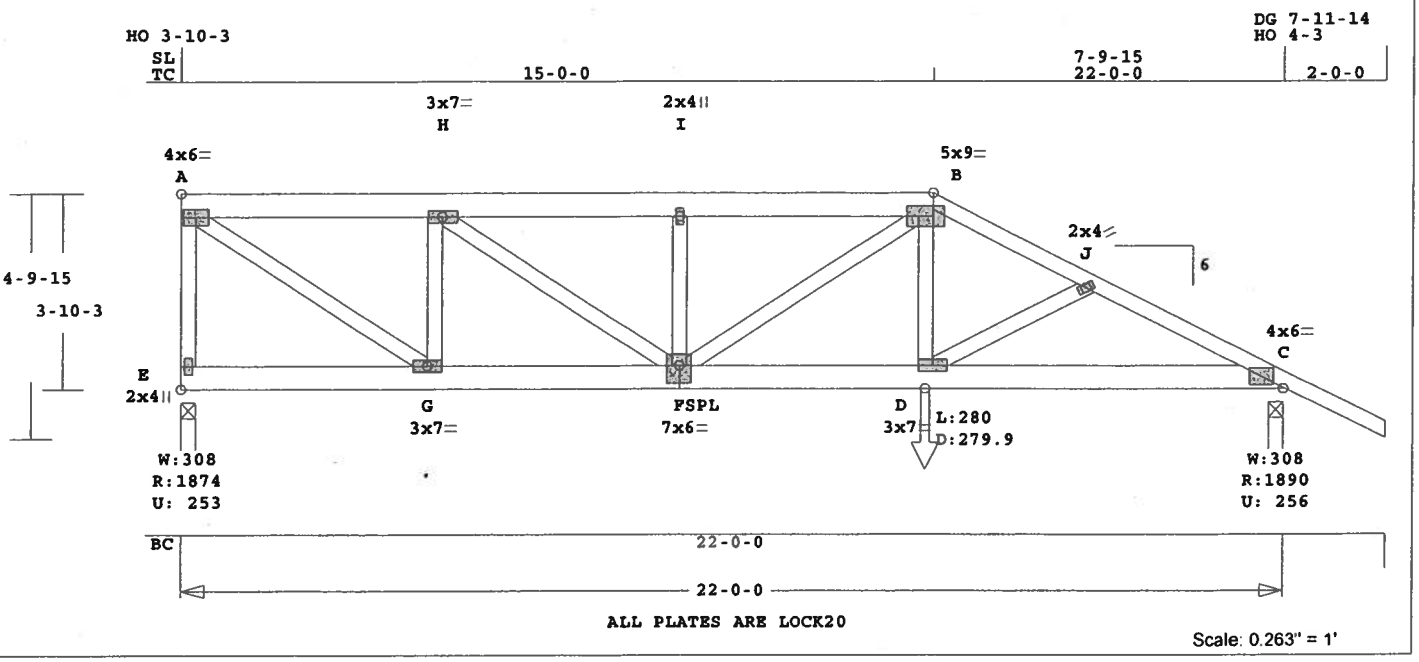
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1519 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	B16	1	HHIP	220000	6	0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 183.9 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

CSI	Size	Lumber
TC 0.41	2x 6	SP-#2
EX B -C	2x 4	SP-#2
BC 0.55	2x 6	SP-#2
WB 0.52	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	22- 0- 0
BC Cont.	0- 0- 0	22- 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=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

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

plf - Live	Dead	From	To
TC V 40	20	0.0'	22.0'
BC V 0	20	0.0'	22.0'
TC V 50	25	1.0'	15.0'
TC V -40	-20	0.0'	1.0'
BC V 0	25	1.0'	14.9'
BC V 0	-20	0.0'	1.0'
BC V 280	280	14.9'	CL-LB

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

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
E	1874	253	3- 8	2- 3
			Hz =	-117
C	1890	256	3- 8	2- 4
			Hz =	55

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -H	0.29	2359 C	0.02 0.27
H -I	0.35	3408 C	0.04 0.31
I -B	0.41	3408 C	0.04 0.37
B -J	0.56	3295 C	0.09 0.47
J -C	0.29	3415 C	0.10 0.19
--------Bottom Chords---------			
E -G	0.14	150 T	0.00 0.14
G -F	0.38	2359 T	0.31 0.07
F -D	0.51	2958 T	0.39 0.12
D -C	0.55	3043 T	0.40 0.15
------------Webs------------			
E -A	0.27	1807 C	WindLd
A -G	0.52	2869 T	
G -H	0.21	1412 C	
H -F	0.23	1274 T	
F -I	0.11	768 C	
F -B	0.09	537 T	
D -B	0.13	755 T	
D -J	0.02	191 T	

TL Defl -0.21" in F -D L/999
LL Defl -0.10" in F -D L/999
Shear // Grain in I -B 0.35

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	4.0x 6.0	Ctr	Ctr	0.86
H	LOCK	3.0x 7.0	Ctr	Ctr	0.44
I	LOCK	2.0x 4.0	Ctr	Ctr	0.53
B	LOCK	5.0x 9.0	Ctr	Ctr	0.87
J	LOCK	2.0x 4.0	Ctr	Ctr	0.37
C	LOCK	4.0x 6.0	Ctr	Ctr	0.77
E	LOCK	2.0x 4.0	Ctr	Ctr	0.82
G	LOCK	3.0x 7.0	Ctr	Ctr	0.98
F	LOCK	7.0x 6.0	Ctr	-0.8	0.74
D	LOCK	3.0x 7.0	Ctr	Ctr	0.37

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

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

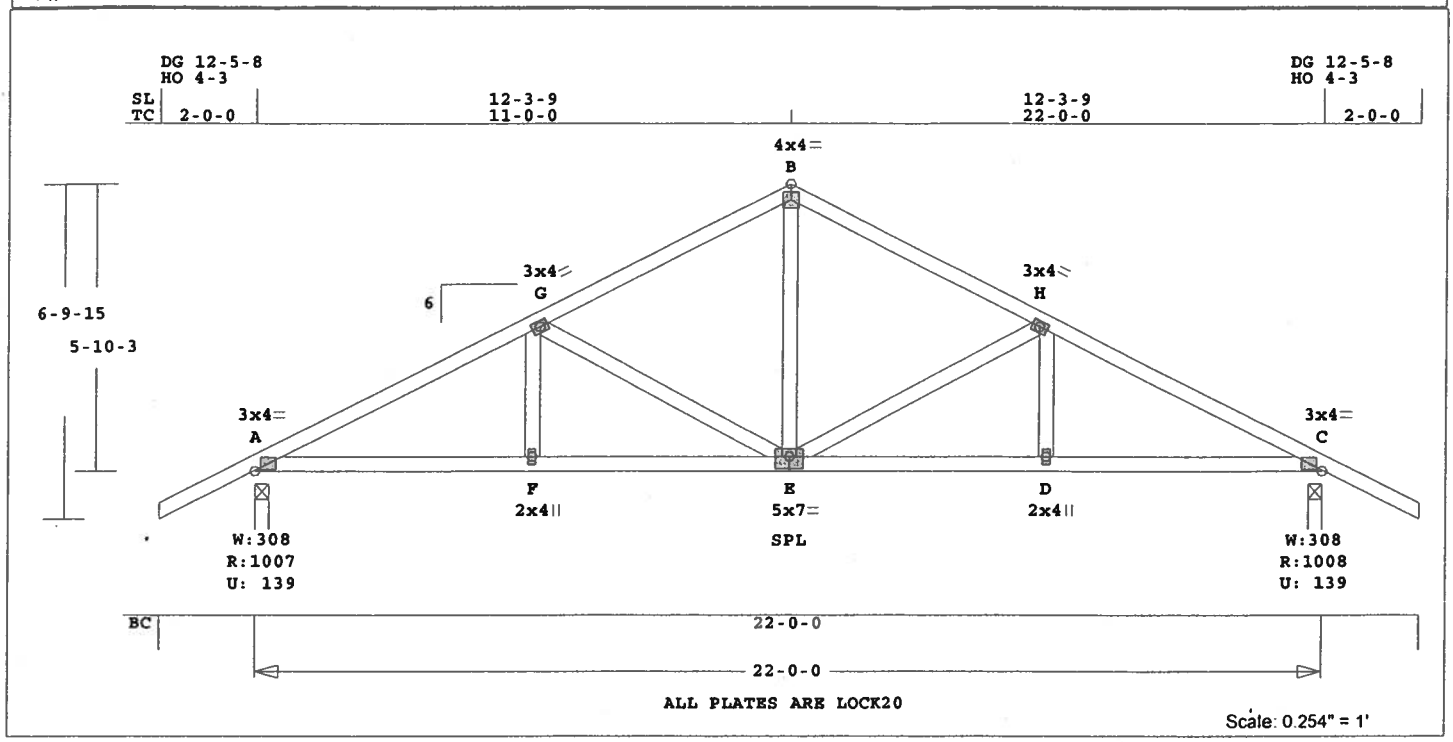
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder Half Hip
Framing King Jacks
Jack Open Faced
Setback 7- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 3415 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	C1	3	HO	220000	6	2- 0- 0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 138.3 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.32	2x 4	SP-#2
BC	0.30	2x 4	SP-#2
WB	0.21	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	22- 0- 0
BC Cont.	0- 0- 0	22- 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 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	1008	140	3- 8	1- 8
			Hz =	-103
C	1008	140	3- 8	1- 8
			Hz =	104

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -G	0.32	1454	C	0.09	0.23
G -B	0.30	986	C	0.07	0.23
B -H	0.30	986	C	0.07	0.23
H -C	0.32	1454	C	0.09	0.23
Bottom Chords					
A -F	0.30	1306	T	0.21	0.09
F -E	0.29	1306	T	0.21	0.08
E -D	0.29	1306	T	0.21	0.08
D -C	0.30	1306	T	0.21	0.09

Webs

F -G	0.03	217	T
G -E	0.21	488	C
E -B	0.10	575	T
E -H	0.21	488	C
D -H	0.03	217	T

TL Defl -0.09" in E -D L/999
LL Defl -0.04" in E -D L/999
Shear // Grain in A -G 0.19

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

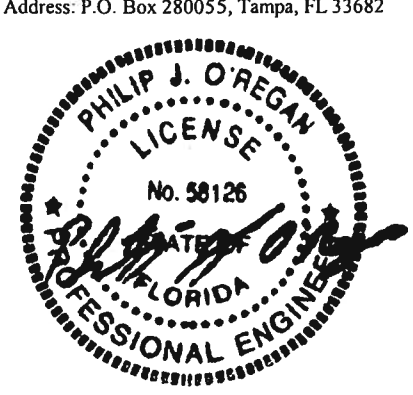
Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.80
G	LOCK	3.0x 4.0	Ctr	Ctr	0.60
B	LOCK	4.0x 4.0	Ctr	Ctr	0.66
H	LOCK	3.0x 4.0	Ctr	Ctr	0.60
C	LOCK	3.0x 4.0	Ctr	Ctr	0.80
F	LOCK	2.0x 4.0	Ctr	Ctr	0.40
E	LOCK	5.0x 7.0	Ctr	-0.5	0.59
D	LOCK	2.0x 4.0	Ctr	Ctr	0.40

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
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1454 Lbs
Quality Control Factor 1.25

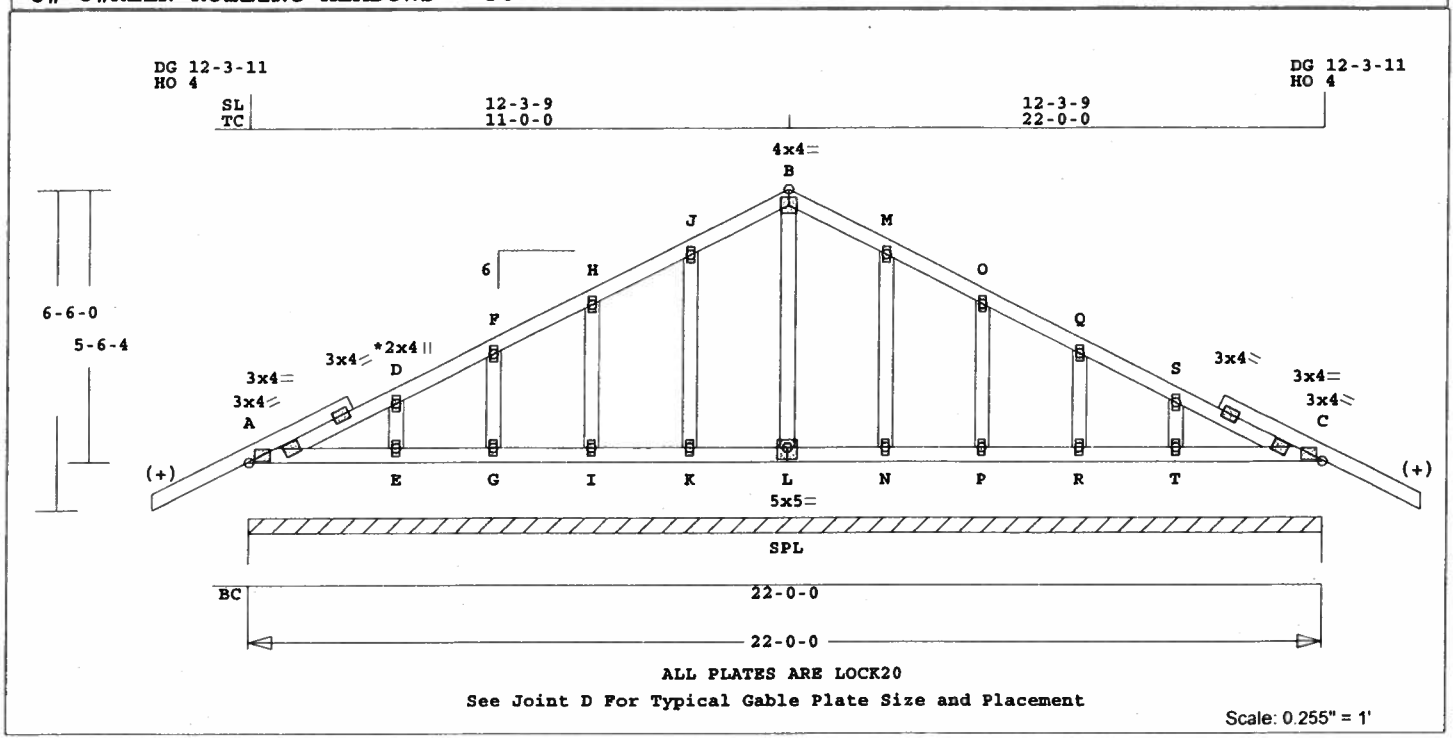
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	C2	1	HO	220000	6	0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



ALL PLATES ARE LOCK20

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.255" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 149.8 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.05	2x 4	SP-#1(+)
BC	0.06	2x 4	SP-#2
GW	0.02	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	22- 0- 0
BC Cont.	0- 0- 0	22- 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 9 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 1760	0- 0- 0 to 234	22- 0- 0 Hz =	98

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -D	0.05	77	C	0.00	0.05
D -F	0.05	68	C	0.00	0.05
F -H	0.03	73	T	0.00	0.03
H -J	0.04	132	T	0.01	0.03
J -B	0.05	186	T	0.02	0.03
B -M	0.05	186	T	0.02	0.03
M -O	0.04	132	T	0.01	0.03
O -Q	0.03	73	T	0.00	0.03
Q -S	0.05	68	C	0.00	0.05
S -C	0.05	77	C	0.00	0.05
Bottom Chords					
A -E	0.06	15	T	0.00	0.06
E -G	0.03	0	T	0.00	0.03
G -I	0.02	0	T	0.00	0.02
I -K	0.02	0	T	0.00	0.02
K -L	0.02	0	T	0.00	0.02
L -N	0.02	0	T	0.00	0.02
N -P	0.02	0	T	0.00	0.02
P -R	0.02	0	T	0.00	0.02
R -T	0.03	0	T	0.00	0.03
T -C	0.06	15	T	0.00	0.06
Gable Webs					
E -D	0.02	164	T		
G -F	0.01	114	C		
I -H	0.01	121	C		
K -J	0.02	178	T		
L -B	0.01	54	C		
N -M	0.02	178	T		
P -O	0.01	121	C		
R -Q	0.01	114	C		
T -S	0.02	164	T		

TL Defl 0.00" in T -C L/999
LL Defl 0.00" in T -C L/999
Shear // Grain in A -D 0.09

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

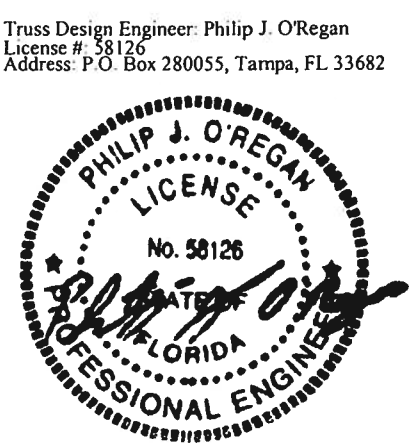
Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.80
D	LOCK	2.0x 4.0	Ctr	Ctr	0.00
F	LOCK	2.0x 4.0	Ctr	Ctr	0.00
H	LOCK	2.0x 4.0	Ctr	Ctr	0.00
J	LOCK	2.0x 4.0	Ctr	Ctr	0.00
B	LOCK	4.0x 4.0	Ctr	Ctr	0.66
M	LOCK	2.0x 4.0	Ctr	Ctr	0.00
O	LOCK	2.0x 4.0	Ctr	Ctr	0.00
Q	LOCK	2.0x 4.0	Ctr	Ctr	0.00
S	LOCK	2.0x 4.0	Ctr	Ctr	0.00
C	LOCK	3.0x 4.0	Ctr	Ctr	0.80
E	LOCK	2.0x 4.0	Ctr	Ctr	0.00
G	LOCK	2.0x 4.0	Ctr	Ctr	0.00
I	LOCK	2.0x 4.0	Ctr	Ctr	0.00
K	LOCK	2.0x 4.0	Ctr	Ctr	0.00
L	LOCK	5.0x 5.0	Ctr	-0.5	0.59
N	LOCK	2.0x 4.0	Ctr	Ctr	0.00
P	LOCK	2.0x 4.0	Ctr	Ctr	0.00
R	LOCK	2.0x 4.0	Ctr	Ctr	0.00
T	LOCK	2.0x 4.0	Ctr	Ctr	0.00

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

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate.
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 153 Lbs
Quality Control Factor 1.25

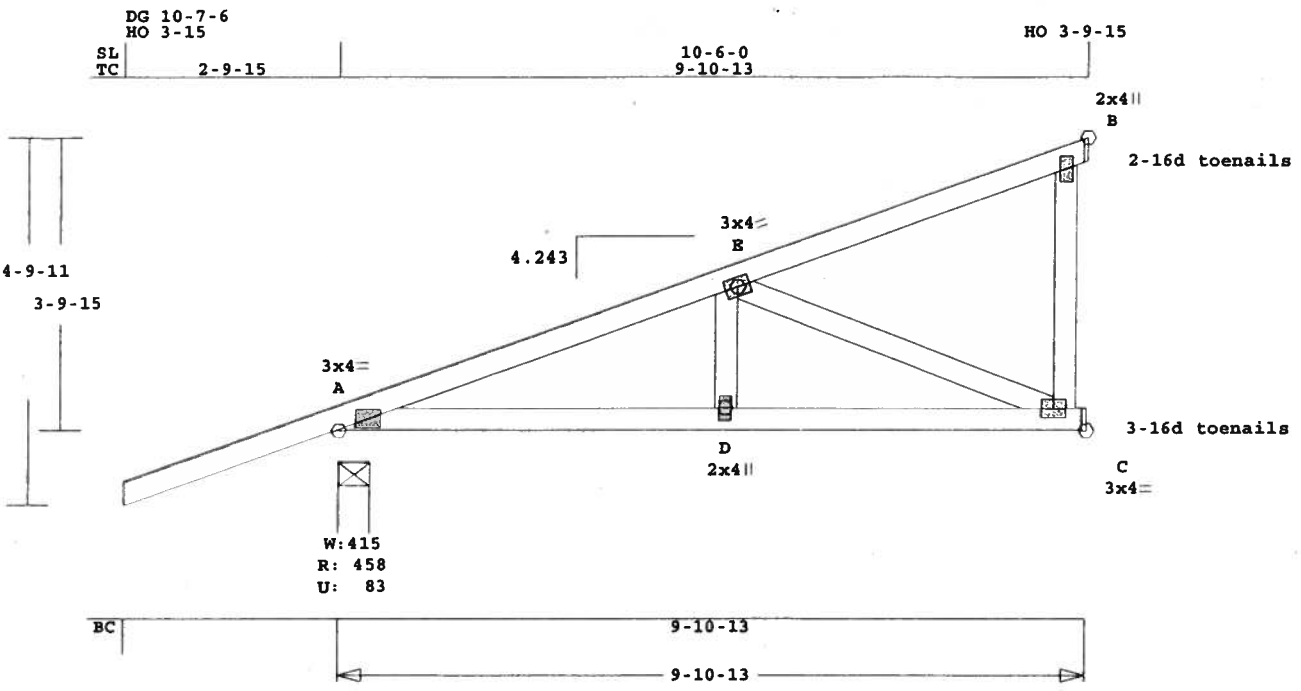
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	CJ1	3	MONO.DD	91013	4.243	2- 9-15	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 61.9 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.38	2x 4	SP-#2
BC	0.27	2x 4	SP-#2
WB	0.19	2x 4	SP-#2

Brace truss as follows:

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

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'	9.9'
BC V	0	20	0.0'	9.9'
TC V	-40	-20	0.0'	
	45	22		9.9'
BC V	0	-20	0.0'	
	0	22		9.9'

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

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	458	83	4-15	1- 8
			Hz =	-43
C	348	8	1- 8	1- 8
B	240	84	1- 8	1- 8
			Hz =	127

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -E	0.31	632 C	0.03	0.28
E -B	0.38	77 T	0.00	0.38
--------Bottom Chords---------				
A -D	0.23	612 T	0.07	0.16
D -C	0.27	612 T	0.07	0.20
------------Webs------------				
D -E	0.03	234 T		
E -C	0.19	661 C		
C -B	0.05	0 T	WindLd	

TL Defl -0.05" in D -C L/999
LL Defl -0.02" in D -C L/999
Shear // Grain in E -B 0.27

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.64
E	LOCK	3.0x 4.0	Ctr	Ctr	0.43
B	LOCK	2.0x 4.0	Ctr	Ctr	0.38
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38
C	LOCK	3.0x 4.0	Ctr	Ctr	0.54

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

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

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

NOTES:

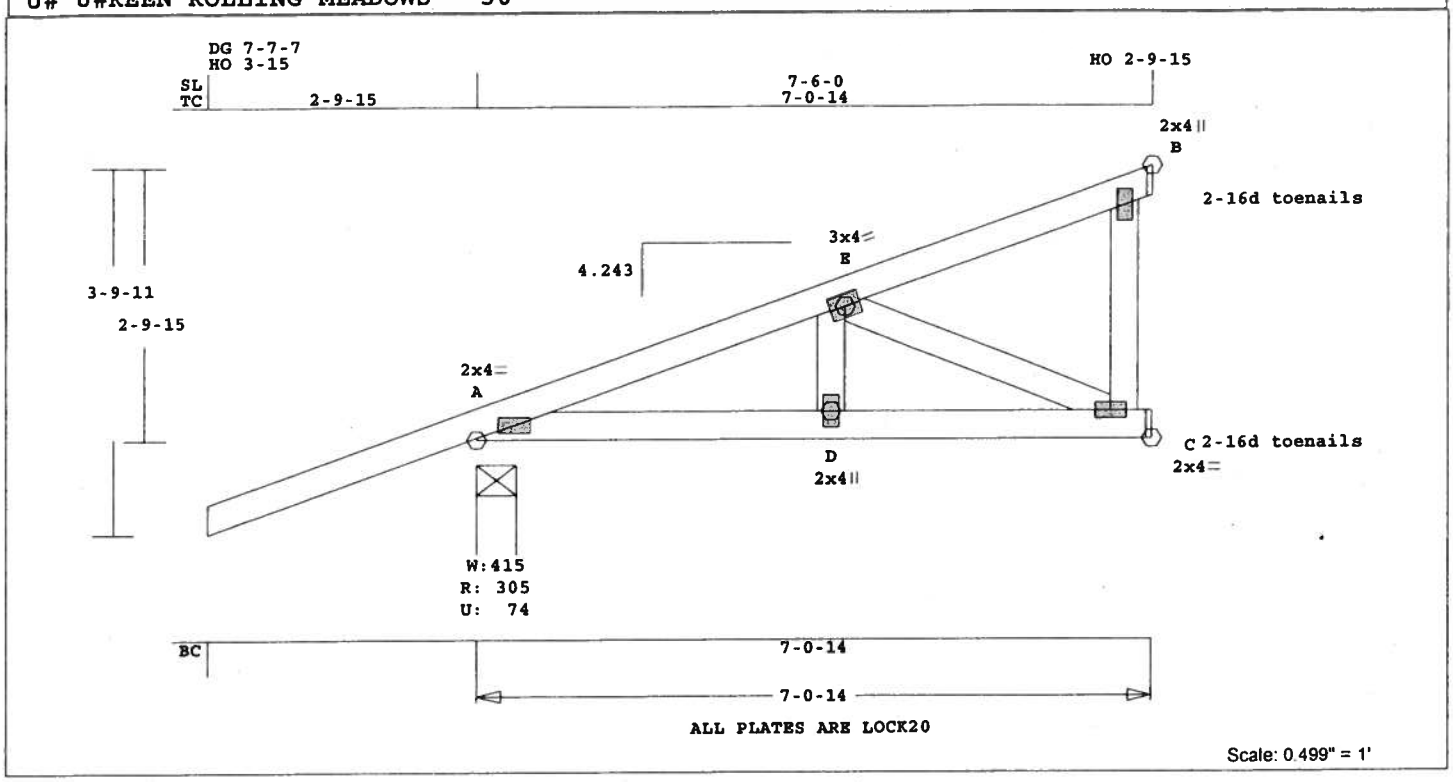
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder King Jack
Loading TC and BC
Setback 7- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Use properly rated hangers for loads framing into girder truss.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 661 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	CJ2	2	MONO.DD	70014	4.243	2- 9-15	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 45.2 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.16	2x 4	SP-#2
BC	0.09	2x 4	SP-#2
WB	0.04	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.		0- 0- 0	7- 0-14
BC Cont.		0- 0- 0	7- 0-14

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'	7.1'
BC V	0	20	0.0'	7.1'
TC V	-40	-20	0.0'	
	17	8		7.1'
BC V	0	-20	0.0'	
	0	8		7.1'

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

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	306	75	4-15	1- 8
			Hz =	-29
C	166	3	1- 8	1- 8
B	119	39	1- 8	1- 8
			Hz =	71

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -E	0.12	274 C	0.02 0.10
E -B	0.16	42 T	0.00 0.16
Bottom Chords			
A -D	0.07	265 T	0.03 0.04
D -C	0.09	265 T	0.03 0.06
Webs			
D -E	0.01	105 T	
E -C	0.04	289 C	
C -B	0.02	0 T	WindLd

TL Defl -0.01" in D -C L/999
LL Defl 0.00" in D -C L/999
Shear // Grain in E -B 0.16

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.77
E	LOCK	3.0x 4.0	Ctr	Ctr	0.40
B	LOCK	2.0x 4.0	Ctr	Ctr	0.38
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38
C	LOCK	2.0x 4.0	Ctr	Ctr	0.75

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

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

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

NOTES:

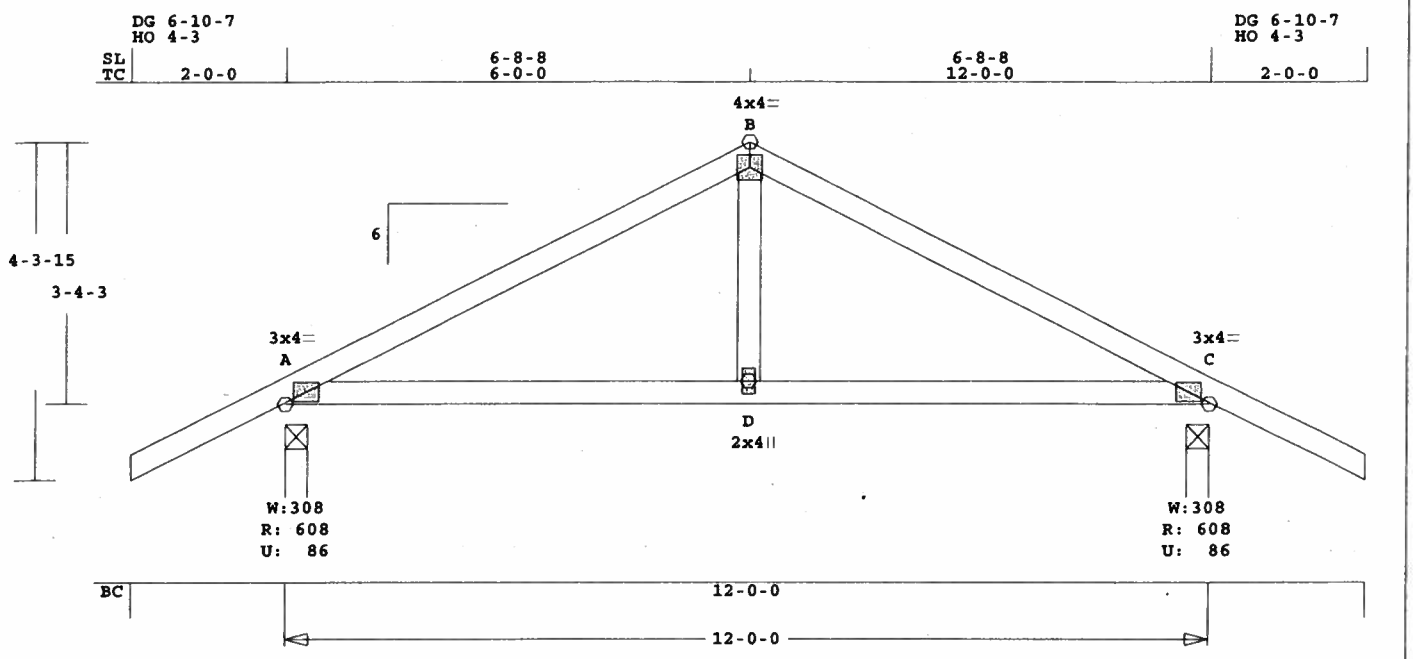
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Girder King Jack
Loading TC and BC
Setback 5- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Use properly rated hangers for loads framing into girder truss.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 289 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	D1	3	TR	120000	6	2- 0- 0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 62.2 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.29	2x 4	SP-#2
BC	0.28	2x 4	SP-#2
WB	0.04	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	12- 0- 0
BC	Cont.	0- 0- 0	12- 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 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	608	86	3- 8	1- 8
			Hz =	-48
C	608	86	3- 8	1- 8
			Hz =	49

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.29	589 C	0.05 0.24
B -C	0.29	589 C	0.05 0.24
--------Bottom Chords---------			
A -D	0.28	530 T	0.08 0.20
D -C	0.28	530 T	0.08 0.20
-------------Webs-------------			
D -B	0.04	267 T	

TL Defl -0.05" in D -C L/999
LL Defl -0.02" in D -C L/999
Shear // Grain in A -B 0.23

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.63
B	LOCK	4.0x 4.0	Ctr	Ctr	0.53
C	LOCK	3.0x 4.0	Ctr	Ctr	0.63
D	LOCK	2.0x 4.0	Ctr	Ctr	0.38

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
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 589 Lbs
Quality Control Factor 1.25

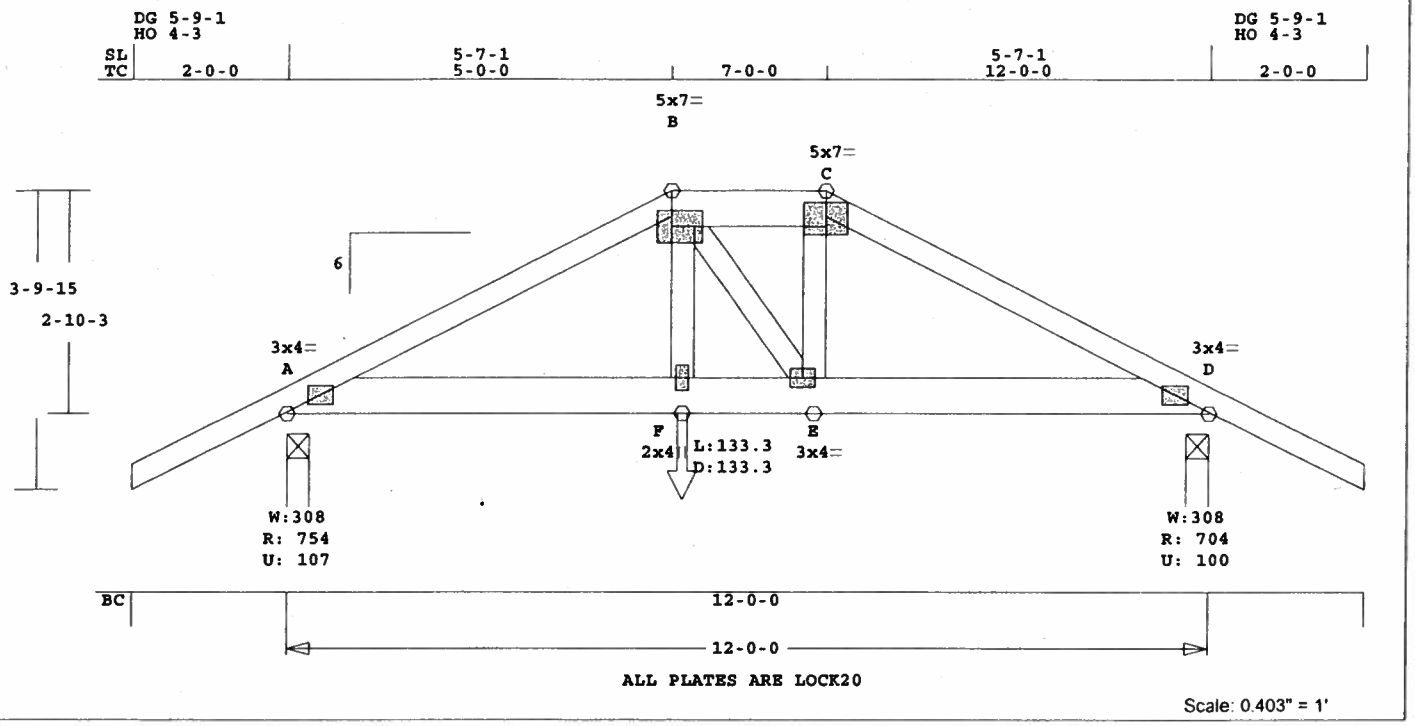
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	D2	1	HIPP	120000	6	2- 0- 0	2- 0- 0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



ALL PLATES ARE LOCK20

Scale: 0.403" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 81.6 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.28	2x 4	SP-#2
EX B -C		2x 6	SP-#2
BC	0.22	2x 6	SP-#2
WB	0.05	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	12- 0- 0
BC Cont.	0- 0- 0	12- 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=1.00 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'	12.0'
BC V	0	20	0.0'	12.0'
TC V	30	15	5.0'	6.0'
TC V	-40	-20	6.0'	7.0'
BC V	0	15	5.1'	5.9'
BC V	0	-20	5.9'	6.9'
BC V	133	133	5.1'	CL-LB

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

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	754	108	3- 8	1- 8
			Hz = -39	
D	704	100	3- 8	1- 8
			Hz = 40	

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -B	0.28	959	C	0.10	0.18
B -C	0.07	780	C	0.06	0.01
C -D	0.28	870	C	0.09	0.19
Bottom Chords					
A -F	0.22	862	T	0.11	0.11
F -E	0.16	848	T	0.11	0.05
E -D	0.21	780	T	0.10	0.11
Webs					
F -B	0.05	319	T		
B -E	0.01	129	T		
E -C	0.03	210	T		

TL Defl -0.03" in A -F L/999
LL Defl -0.02" in A -F L/999
Shear // Grain in C -D 0.18

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.73
B	LOCK	5.0x 7.0-0.5	Ctr		0.78
C	LOCK	5.0x 7.0	Ctr-0.3		0.48
D	LOCK	3.0x 4.0	Ctr	Ctr	0.73
F	LOCK	2.0x 4.0	Ctr	Ctr	0.38
E	LOCK	3.0x 4.0	Ctr	Ctr	0.43

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 5- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 959 Lbs
Quality Control Factor 1.25

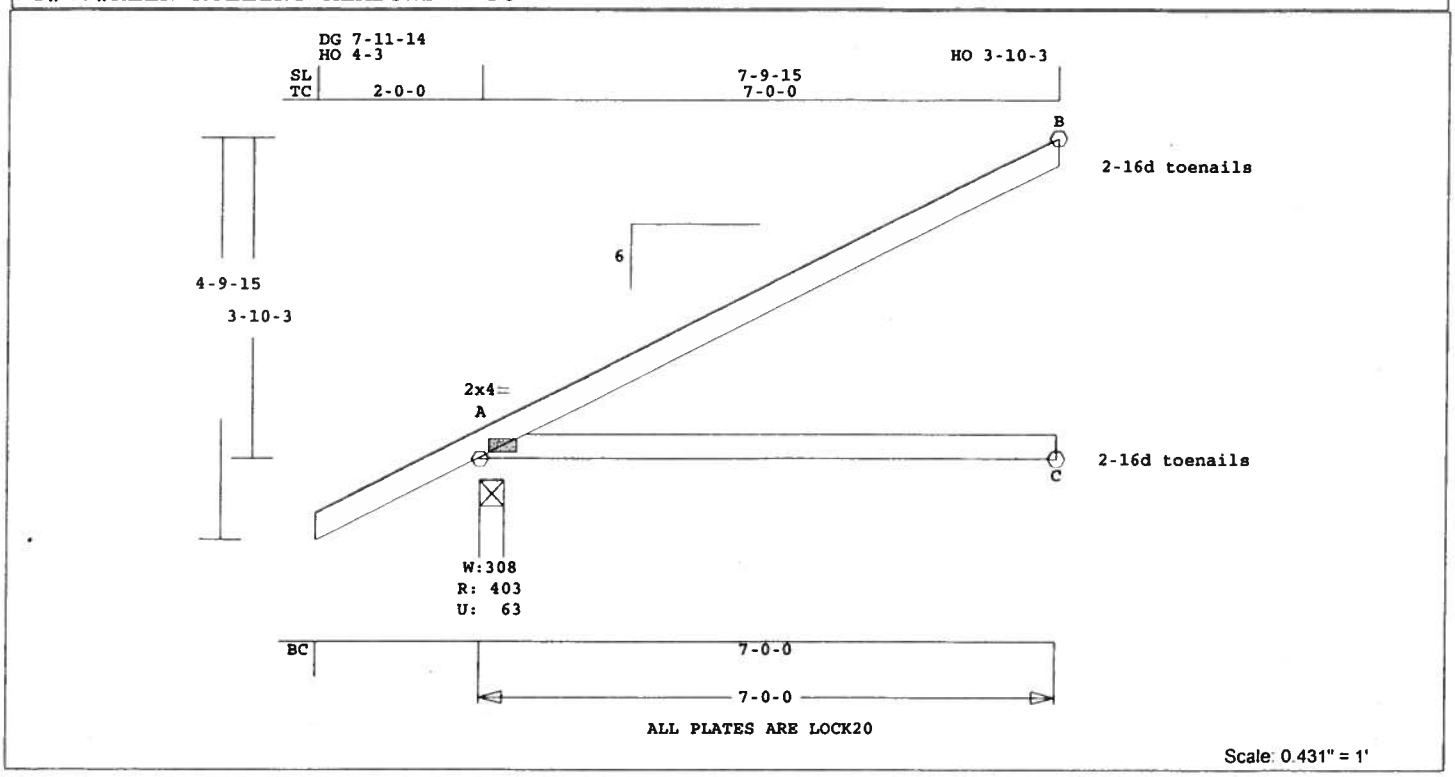
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	J1	20	JCA2	70000	6	2- 0- 0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 32.5 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.52	2x 4	SP-#2
BC	0.41	2x 4	SP-#2

Brace truss as follows:

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

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

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	Size Req'd In-Sx
A	404	64	3- 8	1- 8
			Hz =	106
C	132	0	3- 8	1- 8
B	196	85	3- 8	1- 8
			Hz =	72

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.52	166	C 0.00 0.52
--------Bottom Chords---------			
A -C	0.41	0	T 0.00 0.41

TL Defl -0.18" in A -C L/427
LL Defl -0.07" in A -C L/999
Shear // Grain in A -B 0.27

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.69

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

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

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

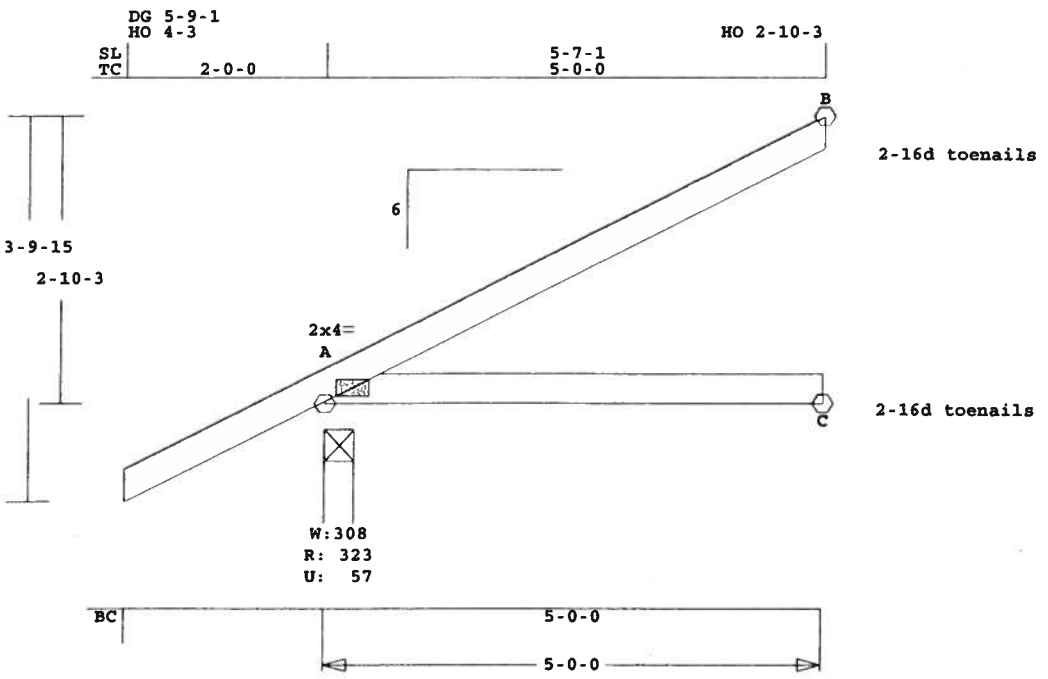
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 166 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	J2	8	JCA2	50000	6	2- 0- 0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Scale: 0.522" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 24.5 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.31	2x 4	SP-#2
BC	0.24	2x 4	SP-#2

Brace truss as follows:

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

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

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	Size Req'd In-Sx
A	324	58	3- 8	1- 8
			Hz =	75
C	94	0	3- 8	1- 8
B	142	62	3- 8	1- 8
			Hz =	51

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.31	137 C	0.00 0.31
--------Bottom Chords---------			
A -C	0.24	0 T	0.00 0.24

TL Defl -0.04" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 0.22

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.65

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

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

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

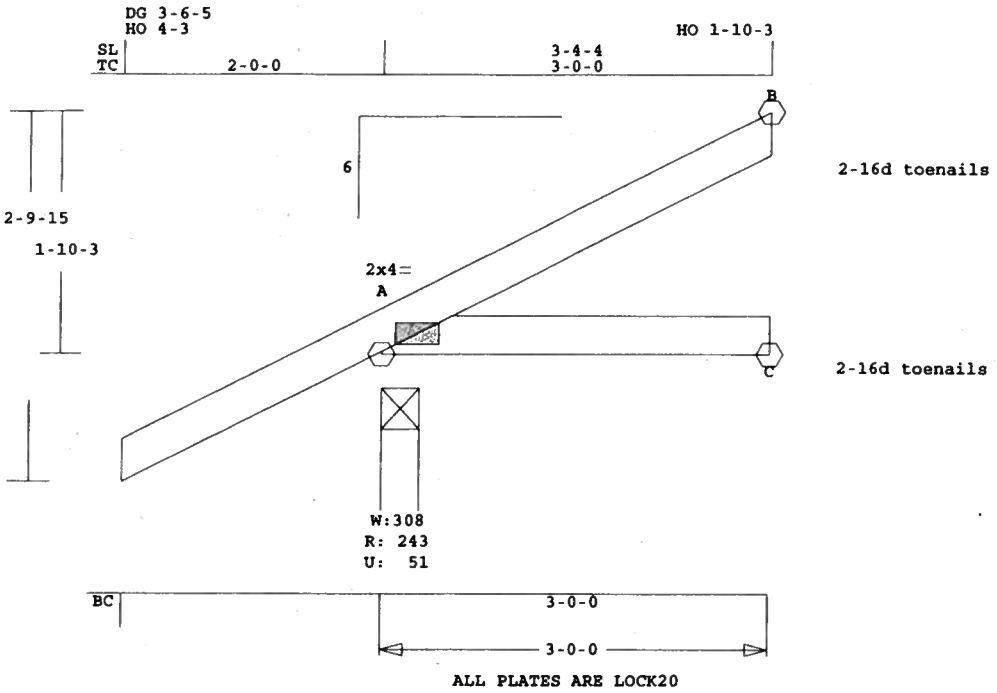
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 137 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	J3	10	JCA2	30000	6	2- 0- 0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



Scale: 0.677" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 16.5 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.10	2x 4	SP-#2
BC	0.09	2x 4	SP-#2

Brace truss as follows:

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

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

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	243	52	3- 8	1- 8
			Hz =	45
C	56	0	3- 8	1- 8
B	88	39	3- 8	1- 8
			Hz =	30

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.10	89	C 0.00 0.10
--------Bottom Chords---------			
A -C	0.09	0	T 0.00 0.09

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.13

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.65

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

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

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 89 Lbs
Quality Control Factor 1.25

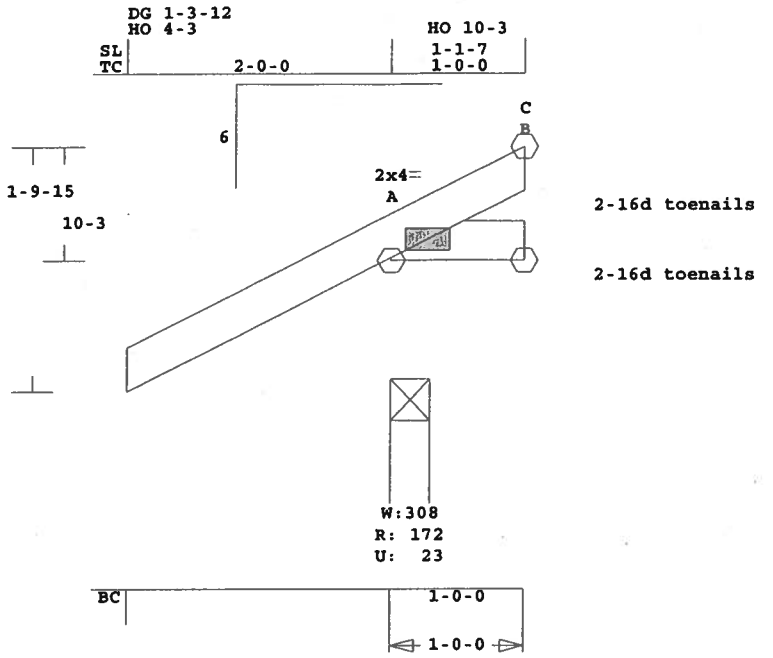
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	J4	10	JCA2	10000	6	2- 0- 0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



ALL PLATES ARE LOCK20

Scale: 0.691" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 8.5 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

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

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	1- 0- 0
BC Cont.	0- 0- 0	1- 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 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React Lbs	Uplft Lbs	Size Req'd In-Sx	In-Sx
A	172	23	3- 8	1- 8
			Hz =	13
B	20	9	1- 8	1- 8
C	14	0	1- 8	1- 8

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.00	20	C
--------Bottom Chords---------			
A -C	0.00	8	T

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

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

Jt Type	Plt Size X	Y	JSI
A LOCK	2.0x 4.0	Ctr Ctr	0.65

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

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

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02

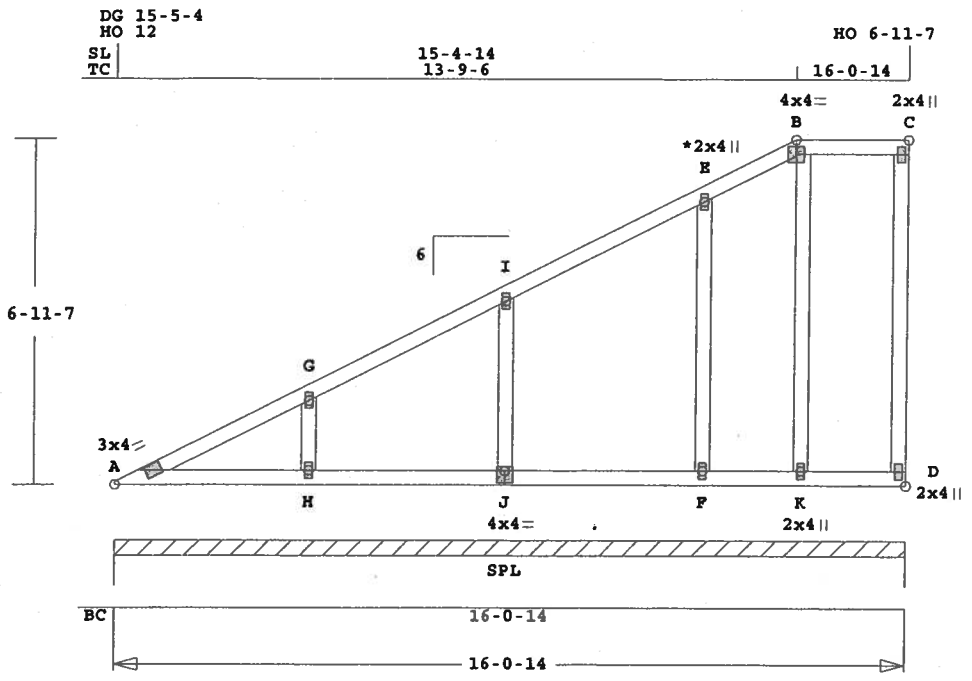
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 20 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	V1	1	VLMHP.SB	160014	6	0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



ALL PLATES ARE LOCK20

See Joint G For Typical Gable Plate Size and Placement

Scale: 0.257" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 106.6 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.21	2x 4	SP-#2
BC	0.21	2x 4	SP-#2
WB	0.24	2x 4	SP-#2
GW	0.05	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.		0- 0- 0	16- 0-14
BC Cont.		0- 0- 0	16- 0-14

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 9 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 16- 0-14			
	1355	127	Hz =	418

Membr	CSI	P Lbs	Axl	CSI	Bnd
----------Top Chords----------					
A -G	0.13	212	C	0.00	0.13
G -I	0.15	143	C	0.00	0.15
I -E	0.15	112	C	0.00	0.15
E -B	0.08	144	T	0.00	0.08
B -C	0.21	146	T	0.01	0.20
--------Bottom Chords---------					
A -H	0.08	2	T	0.00	0.08
H -J	0.08	0	T	0.00	0.08
J -F	0.09	0	T	0.00	0.09
F -K	0.05	0	T	0.00	0.05
K -D	0.21	0	T	0.00	0.21
----------Webs----------					
K -B	0.01	102	C	0.01	0.00
D -C	0.24	119	T	0.01	0.23
----------Gable Webs----------					
H -G	0.03	234	C	0.02	0.01
J -I	0.03	247	C	0.03	0.00
F -E	0.05	256	T	0.03	0.02

TL Defl -0.01" in J -F L/999
LL Defl 0.00" in J -F L/999
Shear // Grain in G -I 0.14

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.70
G	LOCK	2.0x 4.0	Ctr	Ctr	0.00
I	LOCK	2.0x 4.0	Ctr	Ctr	0.00
E	LOCK	2.0x 4.0	Ctr	Ctr	0.00
B	LOCK	4.0x 4.0	Ctr	Ctr	0.78
C	LOCK	2.0x 4.0	Ctr	Ctr	0.40
H	LOCK	2.0x 4.0	Ctr	Ctr	0.00
J	LOCK	4.0x 4.0	Ctr	-1.0	0.52
F	LOCK	2.0x 4.0	Ctr	Ctr	0.00
K	LOCK	2.0x 4.0	Ctr	Ctr	0.40
D	LOCK	2.0x 4.0	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.

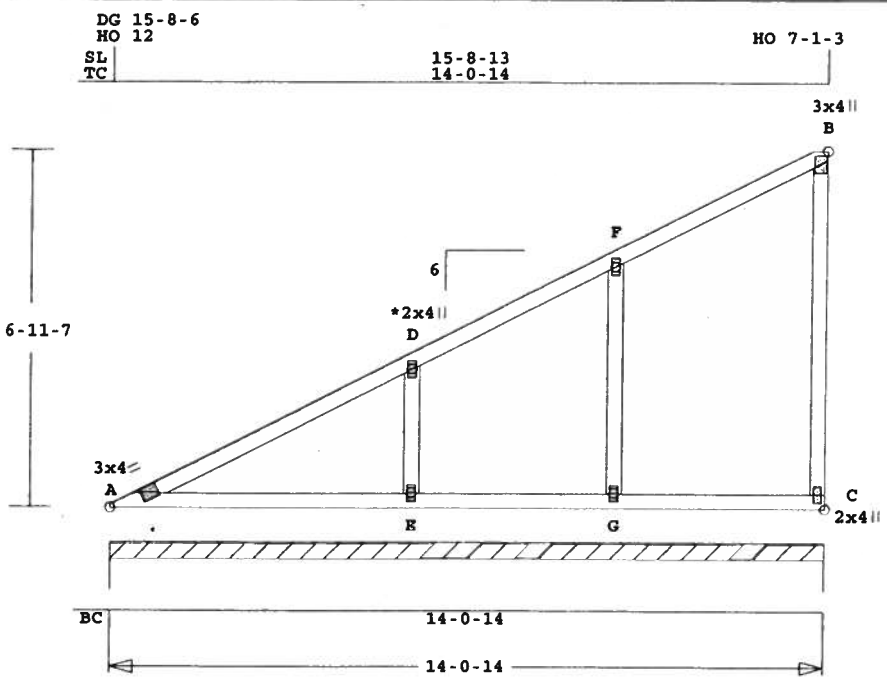
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Provide connection to bearing for 418 Lbs Horiz Reaction
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 247 Lbs
Quality Control Factor 1.25

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
KEEN	V2	1	VLM.SB	140014	6	0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



ALL PLATES ARE LOCK20

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.266" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 80.6 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.30	2x 4	SP-#2
BC	0.19	2x 4	SP-#2
WB	0.31	2x 4	SP-#2
GW	0.13	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	14- 0-14
BC Cont.	0- 0- 0	14- 0-14

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 8 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 14- 0-14			
	1278	123	Hz =	423

Membr	CSI	P Lbs	Axl-CSI-Bnd	
Top Chords				
A -D	0.30	178 C	0.00	0.30
D -F	0.19	124 C	0.00	0.19
F -B	0.26	107 C	0.01	0.25
Bottom Chords				
A -E	0.18	2 C	0.00	0.18
E -G	0.11	0 T	0.00	0.11
G -C	0.19	0 T	0.00	0.19
Webs				
C -B	0.31	148 T	0.02	0.29
Gable Webs				
E -D	0.13	289 C	0.00	0.13
G -F	0.05	247 C	0.03	0.02

TL Defl -0.04" in A -E L/999
LL Defl -0.02" in A -E L/999
Shear // Grain in A -D 0.21

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.67
D	LOCK	2.0x 4.0	Ctr	Ctr	0.00
F	LOCK	2.0x 4.0	Ctr	Ctr	0.00
B	LOCK	3.0x 4.0	Ctr	Ctr	0.30
E	LOCK	2.0x 4.0	Ctr	Ctr	0.00
G	LOCK	2.0x 4.0	Ctr	Ctr	0.00
C	LOCK	2.0x 4.0	Ctr	Ctr	0.38

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
Provide connection to bearing for 423 Lbs Horiz Reaction
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 289 Lbs
Quality Control Factor 1.25

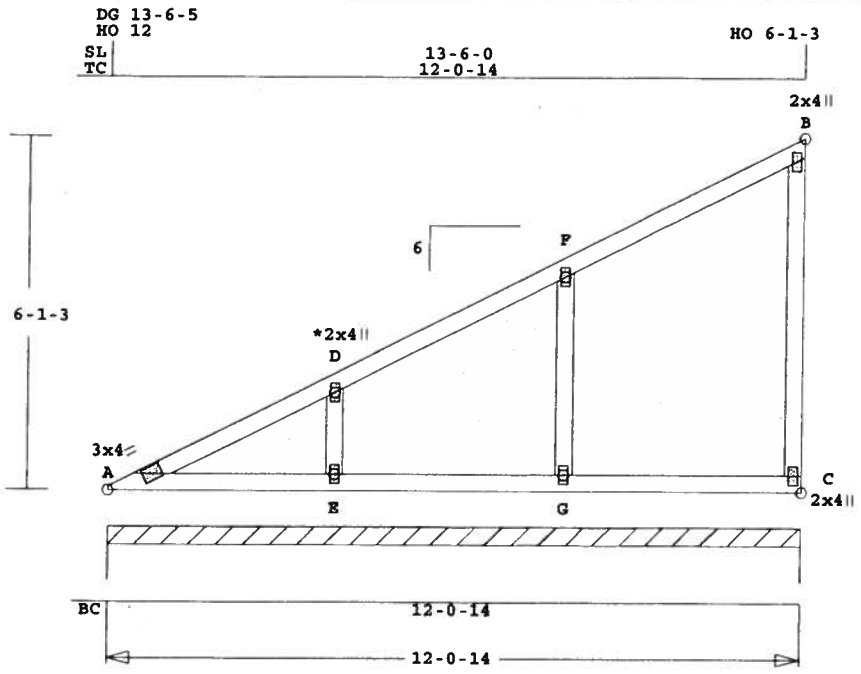
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	V3	1	VLM.SB	120014	6	0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



ALL PLATES ARE LOCK20

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.300" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 67.0 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.21	2x 4	SP-#2
BC	0.13	2x 4	SP-#2
WB	0.26	2x 4	SP-#2
GW	0.06	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	12- 0-14
BC Cont.	0- 0- 0	12- 0-14

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 8 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 12- 0-14			
	1037	92 Hz =	360	

Membr	CSI	P Lbs	Axl-CSI-Bnd	
Top Chords				
A -D	0.13	203 C	0.00	0.13
D -F	0.15	116 C	0.00	0.15
F -B	0.21	93 C	0.00	0.21
Bottom Chords				
A -E	0.08	2 T	0.00	0.08
E -G	0.09	0 T	0.00	0.09
G -C	0.13	0 T	0.00	0.13
Webs				
C -B	0.26	154 T	0.02	0.24
Gable Webs				
E -D	0.05	232 C	0.03	0.02
G -F	0.06	278 T	0.04	0.02

TL Defl -0.01" in G -C L/999
LL Defl 0.00" in G -C L/999
Shear // Grain in F -B 0.19

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.64
D	LOCK	2.0x 4.0	Ctr	Ctr	0.00
F	LOCK	2.0x 4.0	Ctr	Ctr	0.00
B	LOCK	2.0x 4.0	Ctr	Ctr	0.38
E	LOCK	2.0x 4.0	Ctr	Ctr	0.00
G	LOCK	2.0x 4.0	Ctr	Ctr	0.00
C	LOCK	2.0x 4.0	Ctr	Ctr	0.38

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
Provide connection to bearing for 360 Lbs Horiz Reaction
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 257 Lbs
Quality Control Factor 1.25

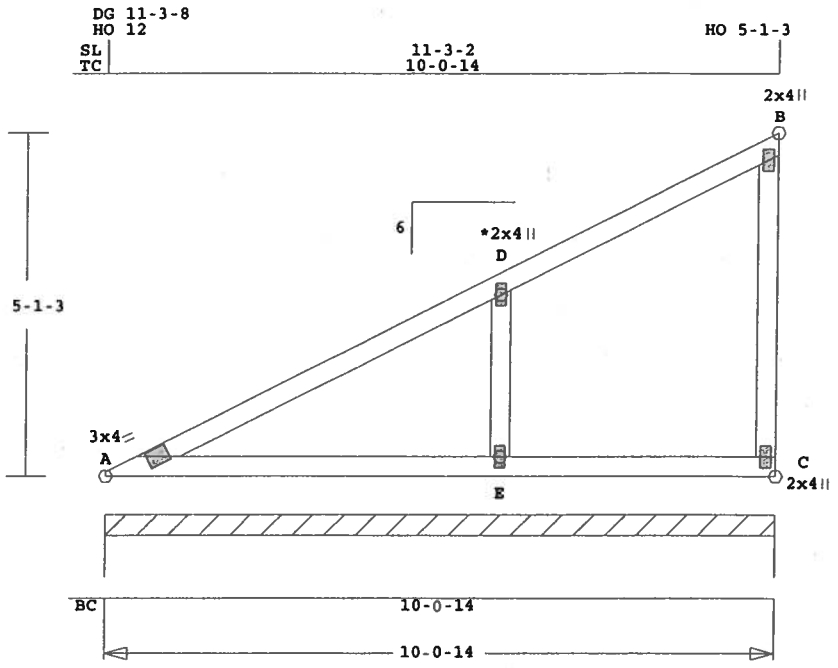
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	V4	1	VLM.SB	100014	6	0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



ALL PLATES ARE LOCK20

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.348" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 52.5 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.31	2x 4	SP-#2
BC	0.19	2x 4	SP-#2
WB	0.22	2x 4	SP-#2
GW	0.12	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	10- 0-14
BC Cont.	0- 0- 0	10- 0-14

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 8 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 958	0- 0- 0 to 99	Hz =	10- 0-14 296

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -D	0.31	131 C	0.00 0.31
D -B	0.21	79 C	0.00 0.21
--------Bottom Chords---------			
A -E	0.19	2 C	0.00 0.19
E -C	0.13	0 T	0.00 0.13
----------Webs----------			
C -B	0.22	160 T	0.02 0.20
----------Gable Webs----------			
E -D	0.12	350 T	0.04 0.08

TL Defl -0.04" in A -E L/999
LL Defl -0.01" in A -E L/999
Shear // Grain in A -D 0.21

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 4.0	Ctr	Ctr	0.60
D	LOCK	2.0x 4.0	Ctr	Ctr	0.00
B	LOCK	2.0x 4.0	Ctr	Ctr	0.38
E	LOCK	2.0x 4.0	Ctr	Ctr	0.00
C	LOCK	2.0x 4.0	Ctr	Ctr	0.38

FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 306 Lbs
Quality Control Factor 1.25

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

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

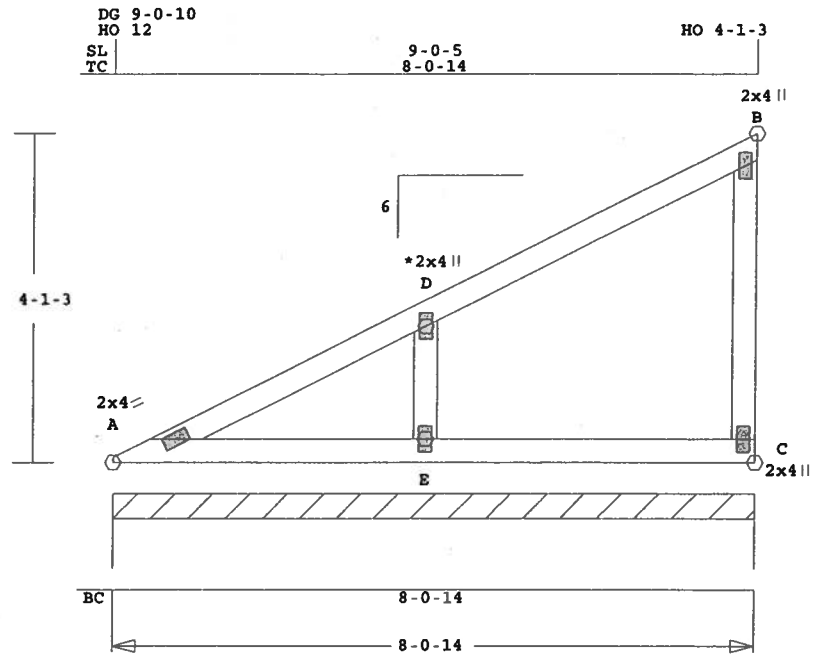
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	V5	1	VLM.SB	80014	6	0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



ALL PLATES ARE LOCK20

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.415" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 40.7 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	Size	Lumber
TC	0.18	2x 4	SP-#2
BC	0.09	2x 4	SP-#2
WB	0.21	2x 4	SP-#2
GW	0.09	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	8- 0-14
BC Cont.	0- 0- 0	8- 0-14

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 -E	0.08	2 T	0.00	0.08
E -C	0.09	0 T	0.00	0.09
----------Webs----------				
C -B	0.21	183 T	0.02	0.19
----------Gable Webs----------				
E -D	0.09	325 T	0.04	0.05

TL Defl	-0.01"	in E -C	L/999
LL Defl	0.00"	in E -C	L/999
Shear // Grain		in D -B	0.20

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.71
D	LOCK	2.0x 4.0	Ctr	Ctr	0.00
B	LOCK	2.0x 4.0	Ctr	Ctr	0.38
E	LOCK	2.0x 4.0	Ctr	Ctr	0.00
C	LOCK	2.0x 4.0	Ctr	Ctr	0.38

FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 251 Lbs
Quality Control Factor 1.25

Plus 8 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		8- 0-14	
	717	68	Hz =	233

Membr	CSI	P Lbs	Axl-CSI-Bnd	
----------Top Chords----------				
A -D	0.14	165 C	0.00	0.14
D -B	0.18	63 C	0.00	0.18
--------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.

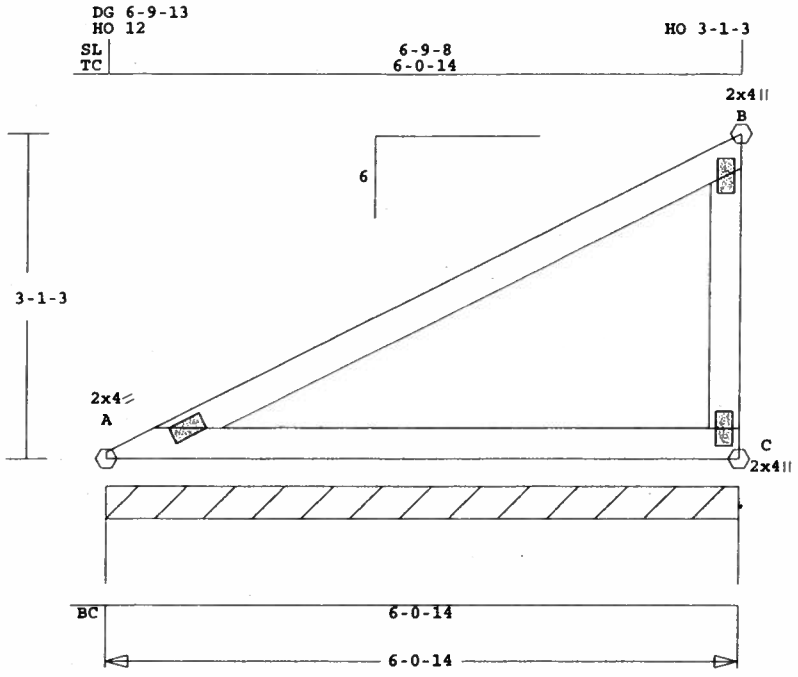
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	V6	1	VLM.SB	'60014	6	0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



ALL PLATES ARE LOCK20

Scale: 0.543" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 28.0 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	Size	Lumber
TC	0.40	2x 4	SP-#2
BC	0.29	2x 4	SP-#2
WB	0.03	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.		0- 0- 0	6- 0-14
BC Cont.		0- 0- 0	6- 0-14

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 8 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 6- 0-14			
	664	81	Hz =	173

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords			
A -B	0.40	64 C	0.00 0.40
Bottom Chords			
A -C	0.29	3 T	0.00 0.29
Webs			

C -B 0.03 255 T WindLd

TL Defl -0.08" in A -C L/923
LL Defl -0.03" in A -C L/999
Shear // Grain in A -B 0.24

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.67
B	LOCK	2.0x 4.0	Ctr	Ctr	0.38
C	LOCK	2.0x 4.0	Ctr	Ctr	0.38

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

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.

Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 155 Lbs
Quality Control Factor 1.25

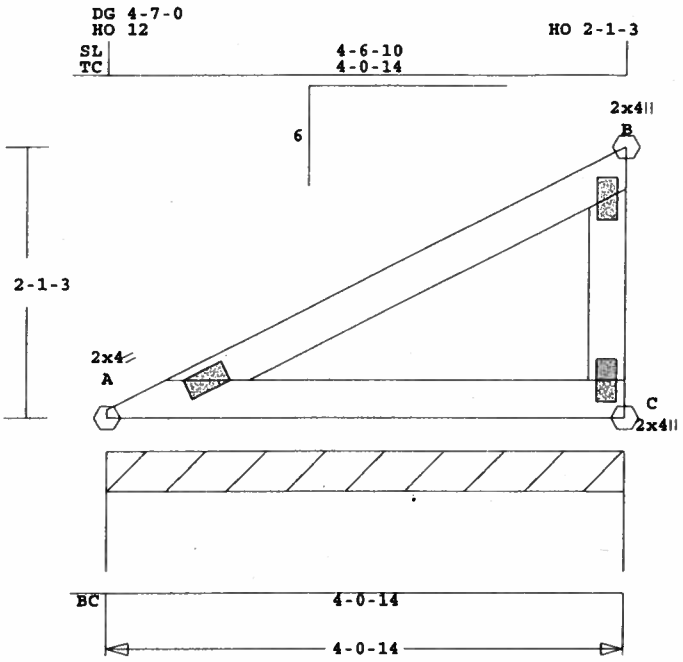
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	V7	1	VLM.SB	40014	6	0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



ALL PLATES ARE LOCK20

Scale: 0.666" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 18.1 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.18	2x 4	SP-#2
BC	0.14	2x 4	SP-#2
WB	0.02	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.		0- 0- 0	4- 0-14
BC Cont.		0- 0- 0	4- 0-14

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 8 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		4- 0-14	
	424	50	Hz =	108

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.18	54 C	0.00 0.18
--------Bottom Chords---------			
A -C	0.14	4 T	0.00 0.14
------------Webs------------			

C -B 0.02 186 T WindLd

TL Defl -0.01" in A -C L/999
LL Defl -0.01" in A -C L/999
Shear // Grain in A -B 0.18

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.65
B	LOCK	2.0x 4.0	Ctr	Ctr	0.38
C	LOCK	2.0x 4.0	Ctr	Ctr	0.38

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

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings* for Exterior zone location.

Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 100 Lbs
Quality Control Factor 1.25

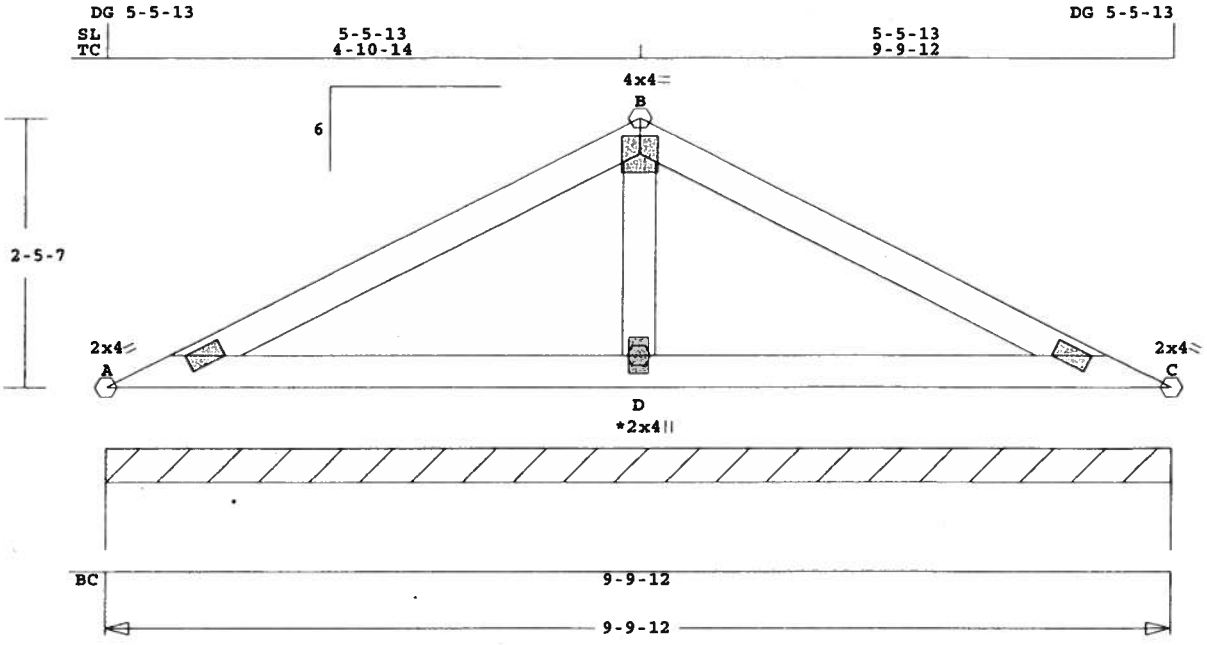
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

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

Date Sealed: 10/17/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KEEN	V8	1	VL.SB	90912	6	0	0	T06101774

U# J#KEEN ROLLING MEADOWS - 30



ALL PLATES ARE LOCK20

See Joint D For Typical Gable Plate Size and Placement

Scale: 0.566" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 40.3 LBS

Online Plus -- Version 20.0.001
RUN DATE: 17-OCT-06

	CSI	-Size-	----Lumber----
TC	0.18	2x 4	SP-#2
BC	0.14	2x 4	SP-#2
GW	0.03	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	9- 9-12
BC	Cont.	0- 0- 0	9- 9-12

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 9 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 9- 9-12			
	1036	149 Hz =	70	

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.18	110 T	0.01 0.17
B -C	0.18	110 T	0.01 0.17
--------Bottom Chords---------			
A -D	0.14	2 T	0.00 0.14
D -C	0.14	2 T	0.00 0.14
----------Gable Webs----------			
D -B	0.03	208 T	

TL Defl -0.01" in D -C L/999
LL Defl -0.01" in D -C L/999
Shear // Grain in A -B 0.18

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

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	2.0x 4.0	Ctr	Ctr	0.75
B	LOCK	4.0x 4.0	Ctr	Ctr	0.50
C	LOCK	2.0x 4.0	Ctr	Ctr	0.75
D	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
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02

Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 191 Lbs
Quality Control Factor 1.25

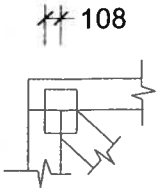
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682

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

Date Sealed: 10/17/2006

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.

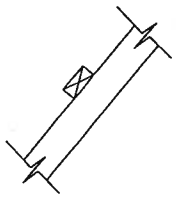
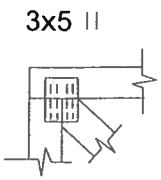


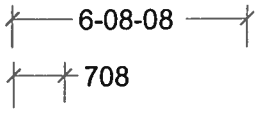
PLATE SIZE AND ORIENTATION

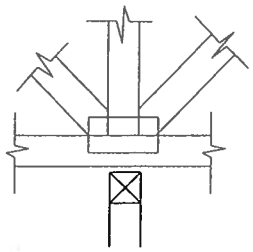


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

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

NICHOLAS
PAUL
GEISLER
ARCHITECT
N.C.A.R.B. Certified

1758 NW Brown Road
Lake City, FL 32055
386/755-9021

Permit # 25204

21 NOVEMBER 2006

JOE HALTIWANGER, BUILDING OFFICIAL
COLUMBIA COUNTY, BUILDING DEPT.
COLUMBIA COUNTY COURTHOUSE ANNEX
LAKE CITY, FLORIDA 32055

RE: GLEN KEEN RESIDENCE / JASON ELIASON, LLC.
PLAN REVIEW Nr.: _____

DEAR SIR:

PLEASE BE ADVISED OF THE FOLLOWING CLARIFICATION FOR THE FOUNDATION STEMWALL OF THE ABOVE REFERENCED PROJECT:

1. DUE TO A SLOPING SITE, PORTIONS OF THE PROPOSED STEMWALL SHALL BE PERMITTED TO BE CONSTRUCTED WITH UP TO SIX BLOCK COURSES W/ 1 #5 REBAR, VERTICAL AT 48" O.C., HOOKED TO THE FOOTING BELOW AND THE BOND BEAM, ABOVE, AT SLAB LEVEL. THIS CHANGE PROVIDES UP TO AN ADDITIONAL 24" OF STEMWALL HEIGHT TO COMPENSATE FOR THE NATURAL SLOPE OF THE SITE.

2. NOTE: STEMWALL HEIGHTS IN EXCESS OF SIX BLOCK COURSES WILL REQUIRE PLACEMENT OF THE VERTICAL REINFORCING AT 32" O.C., UP TO EIGHT BLOCK COURSES AND AT 24" O.C. FOR STEMWALL HEIGHTS OF NINE BLOCK COURSES UP TO TWELVE BLOCK COURSES.

3. ALL STEMWALLS IN EXCESS OF SIX BLOCK COURSES SHALL REQUIRE HORIZONTAL JOINT REINFORCEMENT: #9 LADDER TYPE.

SHOULD YOU HAVE ANY FURTHER QUESTIONS WITH THIS, PLEASE CALL FOR ASSISTANCE.

YOURS TRULY,
NICHOLAS PAUL GEISLER, ARCHITECT AR0007005

Donald F. Lee & Associates, Inc.

Surveyors & Engineers

140 NW Ridgewood Avenue
Lake City, Florida 32055
(386) 755-6166
Fax (386) 755-6167
donald@dlfa.com

Permit # 25204

Monday, November 27, 2006

FROM: Tim Delbene, P.L.S.

TO: Columbia County Building & Zoning Dept.

CC: K & H Framing

RE: Foundation Elevation Check – Lot 30, Rolling Meadows

We have obtained elevations on a foundation under construction on the above referenced lot. The elevations are based on Local Benchmark Datum. The results are as follows:

Floor Elevation (at Stemwall): 107.94'

The record subdivision plat for Rolling Meadows indicates a minimum floor elevation of 107.5' for the subject Lot 30.

SIGNED: Timothy A Delbene

Timothy A. Delbene, P.L.S.
Florida Reg. Cert. No. 5594

DATE: 11/27/2006.

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 15-4S-16-03023-530 **Building permit No.** 000025204

Use Classification SFD,UTILITY **Fire:** 27.90

Permit Holder JASON ELIXSON **Waste:** 83.75

Owner of Building JOHN KEEN/A&B MANAGEMENT,LLC **Total:** 111.65

Location: 159 SW POPPY GLEN, LAKE CITY, FL

Date: 05/07/2007

John D. Kerce

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Notice of Treatment 12335

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: Baya Ave
City Lake City Phone 752. 1703

Site Location: Subdivision Rolling Meadows
Lot # 30 Block# _____ Permit # 25204
Address 159 SW Poppy Gln

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	2386		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 _____.

2/2/01 (Date) 1200 (Time) FCSH (Print Technician's Name)

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink
10/05 ©