

DATE 10/20/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000025143

APPLICANT GLENN KEEN PHONE 867.0156
ADDRESS 1534 SW DEKLE ROAD LAKE CITY FL 32024
OWNER LAURA VAZQUEZ PHONE
ADDRESS 535 SW MAY FAIR LANE LAKE CITY FL 32024
CONTRACTOR JASON ELIXSON PHONE 386.623.1741
LOCATION OF PROPERTY SR-247-S TO MAY-FAIR S.D,TR TO MAY FAIR LANE, GO TO THE BACK
& AROUND CURVE,7TH LOT ON R @ LOT 36.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 96700.00
HEATED FLOOR AREA 1934.00 TOTAL AREA 2877.00 HEIGHT 17.80 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 11-4S-16-02911-336 SUBDIVISION MAY-FAIR
LOT 36 BLOCK PHASE III UNIT TOTAL ACRES 0.50

CBC1250031
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
18"X32'MITERED 06-0894-N BLK JTH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD.
Check # or Cash 1001

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 485.00 CERTIFICATION FEE \$ 14.38 SURCHARGE FEE \$ 14.38
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 588.76
INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

For Office Use Only Application # 0610-53 Date Received 10/17/06 By G Permit # 125143
 Application Approved by - Zoning Official BLK Date 10/10/06 Plans Examiner OK JTH Date 10-20-06
 Flood Zone Map not Development Permit NA Zoning RSF-2 Land Use Plan Map Category RES. Low Dens.
 Comments CHK 1001 752-6627
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan on Exp. Permit ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit Glenn Keen / KETH FRAMING Fax (386) 758-9175
 Address 1534 SW DEKLE Rd. LAKE CITY, FL 32024 Phone (386) 867-0156
 Owners Name LAWA VARGUES Phone _____
 911 Address 535 SW MAY-FAIR LANE 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 _____

Bonding Co. Name & Address _____ 32056
 Architect/Engineer Name & Address Tim Debelene / MARK DISOWAY P.O. Box 868 L. City FL
 Mortgage Lenders Name & Address First Federal Savings Bank P.O. Box 2029 L. City FL 32056

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 11-45-16-02-914-336 Estimated Cost of Construction 98,600.00
 Subdivision Name MAY-FAIR 911 Lot 36 Block _____ Unit III Phase III
 Driving Directions Go 90 west to Hwy 297, turn left 50 1 1/2 miles to MAY FAIR Sub-division, turn right 50 1 mile on MAY FAIR lane to back, so around curve & so to Lot 36 7th 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 30' Side 30' Side 34' Rear 92'
 Total Building Height 17'8" Number of Stories 1 Heated Floor Area 1934 Roof Pitch 6/12
TOTAL 2877

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 COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

A. L. K. / KETH FRAMING
 Owner Builder or Authorized Person by Notarized Letter _____
 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 _____
 Contractor Signature _____
 Contractors License Number CBC 1250 0331
 Competency Card Number _____
 NOTARY STAMP/SEAL
 Notary Signature _____
 (Revised Sept. 2006)

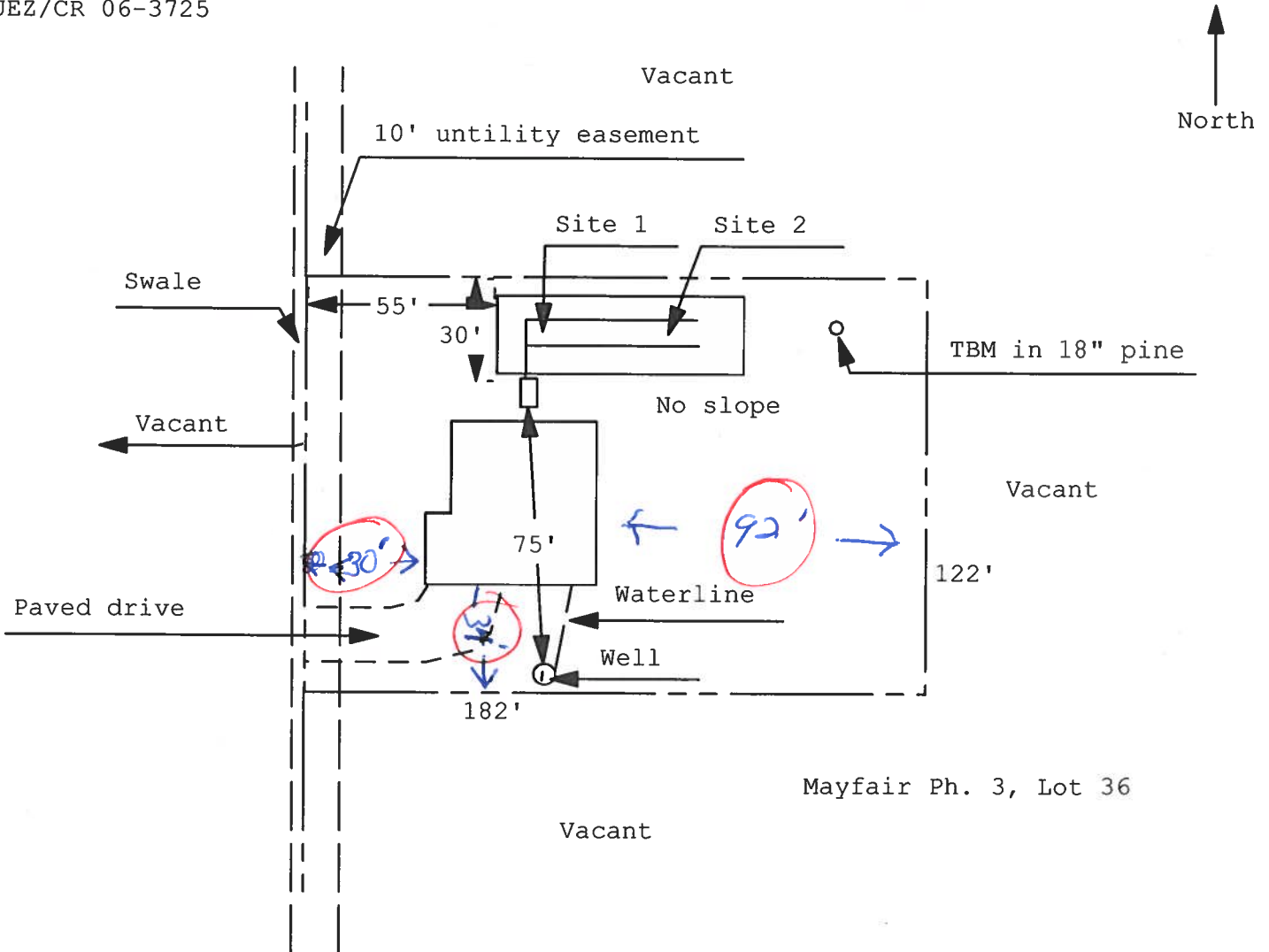


Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 06-0894N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

VASQUEZ/CR 06-3725



1 inch = 50 feet

Site Plan Submitted By Paul Lopez Date 10/4/06
 Plan Approved X Not Approved Date

By S. Haddy ESII 10.10.06 CPHU

Notes: Columbia CHD

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001244

DATE 10/20/2006 PARCEL ID # 11-4S-16-02911-336

APPLICANT GLENN KEEN PHONE 867.0156

ADDRESS 1534 SW DEKLE ROAD LAKE CITY FL 32024

OWNER LAURA VAZQUEZ PHONE _____

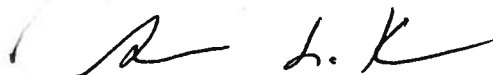
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CONTRACTOR JASON ELIXSON PHONE 386.623.1742

LOCATION OF PROPERTY 90-W TO SR-247-S TO MAY-FAIR S.D., TR TO MAY-FAIR LANE, GO TO THE BACK,
AROUND CURVE AND IT'S THE 7TH LOT ON R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT MAY-FAIR 36

SIGNATURE



INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length 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 INSTALLATION 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



This Instrument Prepared By:
 Michael H. Harrell
 Abstract & Title Services, Inc.
 283 NW Cole Terrace
 Lake City, Florida 32055

NOTICE OF COMMENCEMENT

TO WHOM IT MAY CONCERN:

The undersigned hereby give notice that improvements will be made to certain real property and in accordance with Chapter 713, Florida Statutes, the following is provided in this Notice of Commencement:

1. Description of Property: Lot 36, Mayfair Unit 3, a subdivision according to the plat thereof filed in Plat Book 8, Pages 84-85, of the Public Records of Columbia County, Florida.
2. General Description of Improvement: Construction of Dwelling
3. Owner Information:
 - a. Name and Address: Laura V. Vazquez, 3707 NW Huntboro Street, #101, Lake City, FL 32055
 - b. Interest in property: Fee Simple
 - c. Name and address of fee simple title holder (if other than Owner): NONE
4. Contractor (name and address): Jason Elixson Construction, LLC, 4853 West SR 238, Lake Butler, FL 32054
5. Surety:
 - a. Name and Address: N/A
 - b. Amount of Bond: N/A
6. LENDER: First Federal Savings Bank of Florida
 4705 West US Highway 90
 PO Box 2029
 Lake City, FL 32056
7. Persons within the State of Florida designated by Owner upon whom notices of other documents may be served as provided in Section 713.13(1)(a)7., Florida Statutes: NONE
8. In addition to himself, Owner designates PAULA HACKER, of FIRST FEDERAL SAVINGS BANK OF FLORIDA at 4705 WEST US HIGHWAY 90 / PO BOX 2029, LAKE CITY, FL 32056, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b) Florida Statutes.
8. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

Inst: 2006024306 Date: 10/12/2006 Time: 14:26

1.4 DC, P. Dewitt Cason, Columbia County B: 1098 P: 2128

*Owner is used for singular or plural as context requires.

Signed, sealed and delivered in the presence:

Cheryl Beaty
 WITNESS Cheryl Beaty

WITNESS ROBBURNS

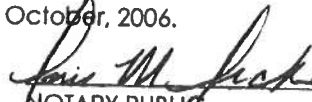
Laura V. Vazquez
 Laura V. Vazquez

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Before me, personally appeared Laura V. Vazquez, A Single Person, to me known to be the person(s) described in and who executed the foregoing instrument, and they acknowledged to and before me that they executed said instrument for the purpose therein expressed.

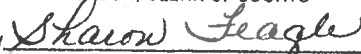
Witness my hand and official seal this 11th day of October, 2006.

(SEAL)

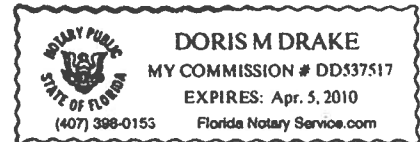
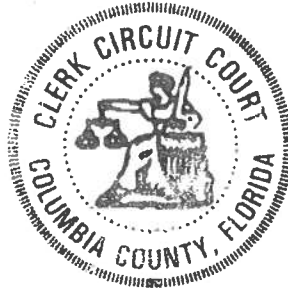

NOTARY PUBLIC

My Commission Expires:

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing
is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS

By 
Deputy Clerk

Date 10-12-2006



ATS# 15866

Prepared by:
Michael H. Harrell
Abstract & Title Services, Inc.
283 NW Cole Terrace
Lake City, Florida 32055

Warranty Deed

Individual to Individual

THIS WARRANTY DEED made the 23rd day of June, 2006 by

Peter W. Giebeig, A Single Person

hereinafter called the grantor, to

Inst:2006015200 Date:06/23/2006 Time:13:55

Doc Stamp-Deed : 448.00

DC, P. DeWitt Cason, Columbia County B:1087 P:2326

Laura V. Vazquez

whose post office address is: 3707 NW Huntboro St. #101, Lake City, FL 32055
hereinafter called the grantee:

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

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in COLUMBIA County, FLORIDA, viz: Parcel ID# PART OF R02914-003

Lot 36, Mayfair Unit 3, a subdivision according to the plat thereof filed in Plat Book 8, Pages 84-85, of the Public Records of Columbia County, Florida.

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

TO HAVE AND TO HOLD, the same in fee simple forever.

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title 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 signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Cheryl Beatty
Witness

Cheryl Beatty
Printed Name

Doris M Drake
Witness

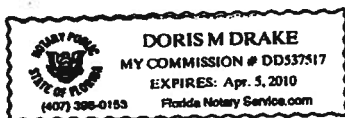
Doris M Drake
Printed Name

Peter W. Giebeig
Peter W. Giebeig

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 23rd day of June, 2006 by Peter W. Giebeig, A Single Person personally known to me or, if not personally known to me, who produced a drivers license for identification and who did not take an oath.

(SEAL)



[Signature]
Notary Public

My Commission Expires:

@ CAM112M01 S CamaUSA Appraisal System
10/20/2006 11:29 Legal Description Maintenance
Year T Property Sel
2007 R 11-4S-16-02911-336
535 MAYFAIR LN SW
VAZQUEZ LAURA V

Columbia County
52500 Land 001
AG 000
Bldg 000
Xfea 000
52500 TOTAL B

1	LOT 36 MAY-FAIR S/D UNIT 3.	WD 1087-2326.	2
3			4
5			6
7			8
9			10
11			12
13			14
15			16
17			18
19			20
21			22
23			24
25			26
27			28

Mnt 9/18/2006 CHUCK

F1=Task F3=Exit F4=Prompt F10=GoTo PgUp/PgDn F24=More

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: 607061K&H Framing Vinyl Siding Address: Lot: 36, Sub: Mayfair, Plat: City, State: , FL Owner: Spec House Climate Zone: North	Builder: Permitting Office: <i>20004A</i> Permit Number: <i>25143</i> Jurisdiction Number: <i>22000</i>
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1. New construction or existing New ☐ 2. Single family or multi-family Single family ☐ 3. Number of units, if multi-family 1 ☐ 4. Number of Bedrooms 3 ☐ 5. Is this a worst case? Yes ☐ 6. Conditioned floor area (ft²) 1934 ft² ☐ 7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default) <table style="width: 100%;"> <tr> <td style="width: 30%;">a. U-factor:</td> <td style="width: 30%;">Description</td> <td style="width: 40%;">Area</td> </tr> <tr> <td>(or Single or Double DEFAULT)</td> <td>7a. (Dble Default)</td> <td>254.3 ft² ☐</td> </tr> <tr> <td>b. SHGC:</td> <td>7b. (Clear)</td> <td>254.3 ft² ☐</td> </tr> <tr> <td>(or Clear or Tint DEFAULT)</td> <td></td> <td></td> </tr> </table> 8. Floor types <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Slab-On-Grade Edge Insulation</td> <td style="width: 30%;">R=0.0, 214.0(p) ft</td> <td style="width: 40%;">214.0(p) ft ☐</td> </tr> <tr> <td>b. N/A</td> <td></td> <td>☐</td> </tr> <tr> <td>c. N/A</td> <td></td> <td>☐</td> </tr> </table> 9. Wall types <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Frame, Wood, Exterior</td> <td style="width: 30%;">R=13.0, 1190.7 ft²</td> <td style="width: 40%;">1190.7 ft² ☐</td> </tr> <tr> <td>b. Frame, Wood, Adjacent</td> <td>R=13.0, 204.0 ft²</td> <td>204.0 ft² ☐</td> </tr> <tr> <td>c. N/A</td> <td></td> <td>☐</td> </tr> <tr> <td>d. N/A</td> <td></td> <td>☐</td> </tr> <tr> <td>e. N/A</td> <td></td> <td>☐</td> </tr> </table> 10. Ceiling types <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Under Attic</td> <td style="width: 30%;">R=30.0, 1994.0 ft²</td> <td style="width: 40%;">1994.0 ft² ☐</td> </tr> <tr> <td>b. N/A</td> <td></td> <td>☐</td> </tr> <tr> <td>c. N/A</td> <td></td> <td>☐</td> </tr> </table> 11. Ducts <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Sup: Unc. Ret: Unc. AH: Interior</td> <td style="width: 30%;">Sup. R=6.0, 180.0 ft</td> <td style="width: 40%;">180.0 ft ☐</td> </tr> <tr> <td>b. N/A</td> <td></td> <td>☐</td> </tr> </table>	a. U-factor:	Description	Area	(or Single or Double DEFAULT)	7a. (Dble Default)	254.3 ft² ☐	b. SHGC:	7b. (Clear)	254.3 ft² ☐	(or Clear or Tint DEFAULT)			a. Slab-On-Grade Edge Insulation	R=0.0, 214.0(p) ft	214.0(p) ft ☐	b. N/A		☐	c. N/A		☐	a. Frame, Wood, Exterior	R=13.0, 1190.7 ft²	1190.7 ft² ☐	b. Frame, Wood, Adjacent	R=13.0, 204.0 ft²	204.0 ft² ☐	c. N/A		☐	d. N/A		☐	e. N/A		☐	a. Under Attic	R=30.0, 1994.0 ft²	1994.0 ft² ☐	b. N/A		☐	c. N/A		☐	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 180.0 ft	180.0 ft ☐	b. N/A		☐	12. Cooling systems <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Central Unit</td> <td style="width: 30%;">Cap: 39.0 kBtu/hr</td> <td style="width: 40%;">39.0 kBtu/hr ☐</td> </tr> <tr> <td></td> <td>SEER: 10.00</td> <td>10.00 ☐</td> </tr> <tr> <td>b. N/A</td> <td></td> <td>☐</td> </tr> <tr> <td>c. N/A</td> <td></td> <td>☐</td> </tr> </table> 13. Heating systems <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Electric Heat Pump</td> <td style="width: 30%;">Cap: 39.0 kBtu/hr</td> <td style="width: 40%;">39.0 kBtu/hr ☐</td> </tr> <tr> <td></td> <td>HSPF: 7.00</td> <td>7.00 ☐</td> </tr> <tr> <td>b. N/A</td> <td></td> <td>☐</td> </tr> <tr> <td>c. N/A</td> <td></td> <td>☐</td> </tr> </table> 14. Hot water systems <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Electric Resistance</td> <td style="width: 30%;">Cap: 40.0 gallons</td> <td style="width: 40%;">40.0 gallons ☐</td> </tr> <tr> <td></td> <td>EF: 0.93</td> <td>0.93 ☐</td> </tr> <tr> <td>b. N/A</td> <td></td> <td>☐</td> </tr> <tr> <td>c. Conservation credits</td> <td>(HR-Heat recovery, Solar</td> <td>☐</td> </tr> <tr> <td></td> <td>DHP-Dedicated heat pump)</td> <td>☐</td> </tr> </table> 15. HVAC credits <table style="width: 100%;"> <tr> <td style="width: 30%;">(CF-Ceiling fan, CV-Cross ventilation,</td> <td style="width: 40%;"></td> </tr> <tr> <td>HF-Whole house fan,</td> <td>☐</td> </tr> <tr> <td>PT-Programmable Thermostat,</td> <td>☐</td> </tr> <tr> <td>MZ-C-Multizone cooling,</td> <td>☐</td> </tr> <tr> <td>MZ-H-Multizone heating)</td> <td>☐</td> </tr> </table>	a. Central Unit	Cap: 39.0 kBtu/hr	39.0 kBtu/hr ☐		SEER: 10.00	10.00 ☐	b. N/A		☐	c. N/A		☐	a. Electric Heat Pump	Cap: 39.0 kBtu/hr	39.0 kBtu/hr ☐		HSPF: 7.00	7.00 ☐	b. N/A		☐	c. N/A		☐	a. Electric Resistance	Cap: 40.0 gallons	40.0 gallons ☐		EF: 0.93	0.93 ☐	b. N/A		☐	c. Conservation credits	(HR-Heat recovery, Solar	☐		DHP-Dedicated heat pump)	☐	(CF-Ceiling fan, CV-Cross ventilation,		HF-Whole house fan,	☐	PT-Programmable Thermostat,	☐	MZ-C-Multizone cooling,	☐	MZ-H-Multizone heating)	☐
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a. Electric Resistance	Cap: 40.0 gallons	40.0 gallons ☐																																																																																																			
	EF: 0.93	0.93 ☐																																																																																																			
b. N/A		☐																																																																																																			
c. Conservation credits	(HR-Heat recovery, Solar	☐																																																																																																			
	DHP-Dedicated heat pump)	☐																																																																																																			
(CF-Ceiling fan, CV-Cross ventilation,																																																																																																					
HF-Whole house fan,	☐																																																																																																				
PT-Programmable Thermostat,	☐																																																																																																				
MZ-C-Multizone cooling,	☐																																																																																																				
MZ-H-Multizone heating)	☐																																																																																																				

Glass/Floor Area: 0.13

Total as-built points: 27176

Total base points: 27718

PASS

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

PREPARED BY: *Ben Spink*

DATE: *7-10-06*

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



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

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 36, Sub: Mayfair, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	1934.0	20.04	6976.3	Double, Clear	S	1.5	5.5	45.0	35.87	0.83	1343.1
				Double, Clear	S	12.0	5.5	30.0	35.87	0.45	480.3
				Double, Clear	SE	12.0	5.5	10.0	42.75	0.40	170.1
				Double, Clear	S	7.5	6.0	36.0	35.87	0.49	632.1
				Double, Clear	S	1.5	5.5	30.0	35.87	0.83	895.4
				Double, Clear	W	1.5	3.5	12.0	38.52	0.78	359.9
				Double, Clear	N	4.5	6.0	36.0	19.20	0.76	523.0
				Double, Clear	N	4.5	7.5	13.3	19.20	0.80	203.6
				Double, Clear	N	1.5	0.0	30.0	19.20	0.59	341.6
				Double, Clear	E	1.5	4.5	12.0	42.06	0.85	428.1
				As-Built Total:				254.3	5377.3		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	204.0	0.70	142.8	Frame, Wood, Exterior	13.0		1190.7	1.50		1786.0	
Exterior	1190.7	1.70	2024.2	Frame, Wood, Adjacent	13.0		204.0	0.60		122.4	
Base Total:				1394.7		2167.0					
				As-Built Total:		1394.7		1908.4			
DOOR TYPES Area X BSPM = Points				Type			Area X SPM = Points				
Adjacent	20.0	1.60	32.0	Exterior Insulated			40.0	4.10		164.0	
Exterior	50.0	4.10	205.0	Adjacent Insulated			20.0	1.60		32.0	
				Exterior Insulated			10.0	4.10		41.0	
Base Total:				70.0		237.0					
				As-Built Total:		70.0		237.0			
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1934.0	1.73	3345.8	Under Attic	30.0		1994.0	1.73 X 1.00		3449.6	
Base Total:				1934.0		3345.8					
				As-Built Total:		1994.0		3449.6			
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	214.0(p)	-37.0	-7918.0	Slab-On-Grade Edge Insulation	0.0		214.0(p)	-41.20		-8816.8	
Raised	0.0	0.00	0.0								
Base Total:				-7918.0		214.0		-8816.8			
				As-Built Total:		214.0		-8816.8			
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
1934.0 10.21 19746.1				1934.0 10.21 19746.1							

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 36, Sub: Mayfair, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 24554.3				Summer As-Built Points: 21901.7						
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
24554.3	0.4266		10474.9	(sys 1: Central Unit 39000 btuh ,SEER/EFF(10.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 21902	1.00	(1.09 x 1.147 x 0.91)	0.341	1.000		8504.4
				21901.7	1.00	1.138	0.341	1.000		8504.4

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 36, Sub: Mayfair, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1934.0	12.74	4435.0	Double, Clear	S	1.5	5.5	45.0	13.30	1.15	686.4
				Double, Clear	S	12.0	5.5	30.0	13.30	3.54	1413.5
				Double, Clear	SE	12.0	5.5	10.0	14.71	2.52	370.4
				Double, Clear	S	7.5	6.0	36.0	13.30	3.09	1477.5
				Double, Clear	S	1.5	5.5	30.0	13.30	1.15	457.6
				Double, Clear	W	1.5	3.5	12.0	20.73	1.07	265.2
				Double, Clear	N	4.5	6.0	36.0	24.58	1.01	897.8
				Double, Clear	N	4.5	7.5	13.3	24.58	1.01	330.7
				Double, Clear	N	1.5	0.0	30.0	24.58	1.03	757.5
				Double, Clear	E	1.5	4.5	12.0	18.79	1.06	239.2
				As-Built Total:				254.3	6895.9		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	204.0	3.60	734.4	Frame, Wood, Exterior	13.0		1190.7	3.40		4048.4	
Exterior	1190.7	3.70	4405.6	Frame, Wood, Adjacent	13.0		204.0	3.30		673.2	
Base Total: 1394.7 5140.0				As-Built Total:		1394.7		4721.6			
DOOR TYPES Area X BWPM = Points				Type			Area X WPM = Points				
Adjacent	20.0	8.00	160.0	Exterior Insulated			40.0	8.40		336.0	
Exterior	50.0	8.40	420.0	Adjacent Insulated			20.0	8.00		160.0	
				Exterior Insulated			10.0	8.40		84.0	
Base Total: 70.0 580.0				As-Built Total:		70.0		580.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1934.0	2.05	3964.7	Under Attic	30.0		1994.0	2.05 X 1.00		4087.7	
Base Total: 1934.0 3964.7				As-Built Total:		1994.0		4087.7			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	214.0(p)	8.9	1904.6	Slab-On-Grade Edge Insulation	0.0		214.0(p)	18.80		4023.2	
Raised	0.0	0.00	0.0								
Base Total: 1904.6				As-Built Total:		214.0		4023.2			
INFILTRATION Area X BWPM = Points						Area X WPM		= Points			
1934.0 -0.59 -1141.1						1934.0 -0.59		-1141.1			

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 36, Sub: Mayfair, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		14883.3		Winter As-Built Points:				19167.3		
Total Winter Points	X System Multiplier	=	Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	=	Heating Points
						(DM x DSM x AHU)				
				(sys 1: Electric Heat Pump 39000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0						
				19167.3	1.000	(1.069 x 1.169 x 0.93)	0.487	1.000		10851.6
14883.3	0.6274		9337.8	19167.3	1.00	1.162	0.487	1.000		10851.6

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 36, Sub: Mayfair, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit	= Total Multiplier
3		2635.00	7905.0	40.0	0.93	3		1.00	2606.67	1.00 7820.0
				As-Built Total:						7820.0

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
10475		9338	7905 27718	8504		10852	7820 27176

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 36, Sub: Mayfair, Plat: , , FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.4

The higher the score, the more efficient the home.

Spec House, Lot: 36, Sub: Mayfair, Plat: , , FL,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 39.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 10.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	1934 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area	___	a. Electric Heat Pump	Cap: 39.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 254.3 ft ²	___		HSPF: 7.00
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 254.3 ft ²	___	c. N/A	___
8. Floor types		___		___
a. Slab-On-Grade Edge Insulation	R=0.0, 214.0(p) ft	___	14. Hot water systems	
b. N/A		___	a. Electric Resistance	Cap: 40.0 gallons
c. N/A		___		EF: 0.93
9. Wall types		___	b. N/A	___
a. Frame, Wood, Exterior	R=13.0, 1190.7 ft ²	___	c. Conservation credits	___
b. Frame, Wood, Adjacent	R=13.0, 204.0 ft ²	___	(HR-Heat recovery, Solar	___
c. N/A		___	DHP-Dedicated heat pump)	___
d. N/A		___	15. HVAC credits	___
e. N/A		___	(CF-Ceiling fan, CV-Cross ventilation,	___
10. Ceiling types		___	HF-Whole house fan,	___
a. Under Attic	R=30.0, 1994.0 ft ²	___	PT-Programmable Thermostat,	___
b. N/A		___	MZ-C-Multizone cooling,	___
c. N/A		___	MZ-H-Multizone heating)	___
11. Ducts		___		___
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 180.0 ft	___		___
b. N/A		___		___

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

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip: _____



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

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLR2PB v4.1)

COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW LAKE CITY AVE, LAKE CITY, FL 32055

Phone: (386) 758-1125 * Fax: (386) 758-1365 * E-mail: ron_croft@columbiacountyfla.com

MAY-FAIR UNIT 3 SUBDIVISION ADDRESS ASSIGNMENTS

LOT NUMBER: ADDRESS:

1	251 SW MAYFAIR LN
2*	279 SW MAYFAIR LN
2*	121 SW VANN CT
3	143 SW VANN CT
4	167 SW VANN CT
5	189 SW VANN CT
6	213 SW VANN CT
7	235 SW VANN CT
8	257 SW VANN CT
9	262 SW VANN CT
10	246 SW VANN CT
11	218 SW VANN CT
12	194 SW VANN CT
13	170 SW VANN CT
14	150 SW VANN CT
15*	122 SW VANN CT
15*	313 SW MAYFAIR LN
16*	335 SW MAYFAIR LN
16*	123 SW LUCILE CT
17	149 SW LUCILE CT
18	171 SW LUCILE CT
19	195 SW LUCILE CT
20	217 SW LUCILE CT
21	241 SW LUCILE CT
22	255 SW LUCILE CT
23	265 SW LUCILE CT
24	258 SW LUCILE CT
25	252 SW LUCILE CT
26	230 SW LUCILE CT
27	206 SW LUCILE CT
28	184 SW LUCILE CT
29	162 SW LUCILE CT
30	138 SW LUCILE CT
31*	116 SW LUCILE CT
31*	377 SW LUCILE CT
32	415 SW MAYFAIR LN
33	457 SW MAYFAIR LN
34	491 SW MAYFAIR LN

LOT NUMBER: ADDRESS:

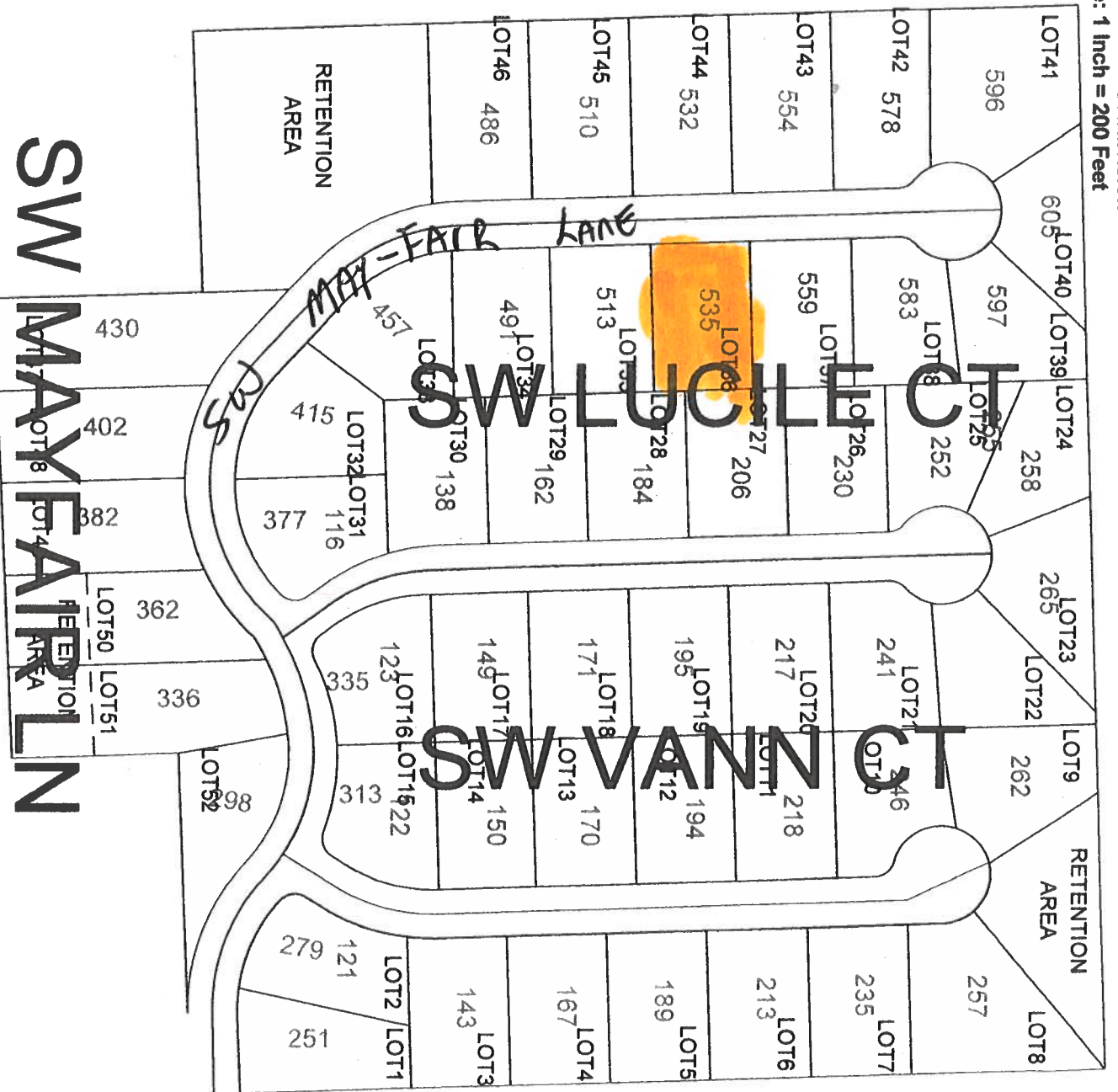
35	513 SW MAYFAIR LN
36	535 SW MAYFAIR LN
37	559 SW MAYFAIR LN
38	583 SW MAYFAIR LN
39	597 SW MAYFAIR LN
40	605 SW MAYFAIR LN
41	596 SW MAYFAIR LN
42	578 SW MAYFAIR LN
43	554 SW MAYFAIR LN
44	532 SW MAYFAIR LN
45	510 SW MAYFAIR LN
46	486 SW MAYFAIR LN
47	430 SW MAYFAIR LN
48	402 SW MAYFAIR LN
49	382 SW MAYFAIR LN
50	362 SW MAYFAIR LN
51	336 SW MAYFAIR LN
52	298 SW MAYFAIR LN

Contact the Columbia County Addressing Department with any questions concerning these address assignments.

9 June 2006

May-Fair Unit 3 Subdivision

Scale: 1 Inch = 200 Feet



K & H Framing/Vinyl Siding, Inc.

1534 S.W.Dekle Road
Lake City, Florida 32024

October 9, 2006

To: Columbia County Building Department
RE: Direction to MayFair lot #36

Take Hwy 90 West to Hwy 247. Turn left onto Hwy 247 and go till you reach May Fair subdivision on the right (just over the overpass).

Go through the first phrase and continue to follow the road to back where it curves to the right and lot #36 is on the right with culvert installed.

K&H sign is present.

Thank you,

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

Gaylord Pump & Irrigation Inc.

P.O. Box 548

Branford, FL 32008

386-935-0932 Fax 386-935-0778

10/03/06

K&H Framing/Laura Vasquez

We will be drilling a well for Laura Vasquez. The property ID number is 11-4S-16-02-914-336
The following equipment will be used.

4" Steel Casing
1 Hp Submersible pump
1-1/4" Galvanize drop pipe
31 Gallon diaphragm tank with 24.9 gallons of draw down

This equipment meets or exceeds the Florida building code, plumbing section 612 table 612.1

Sincerely,

Donald Gaylord



Licensed Well Driller
Florida License 2630

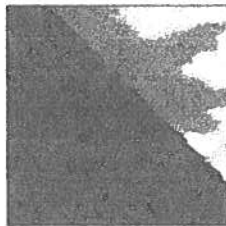


ELK

ROOFING PRODUCTS COLLECTION • 1150 COWLEY AVE •



**PRESTIQUE®
HIGH DEFINITION®**



RAISED PROFILE®

Prestique Plus High Definition and Prestique Gallery Collection

Product size 13⅝" x 39⅝"
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***

Product Size: 13⅝" x 39⅝"

Product size 13⅝" x 39⅝"
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 13⅝" x 39⅝"
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.

Raised Profile

Product size 13⅝" x 39⅝"
Exposure 5⅝"
Pieces/Bundle 22
Bundles/Square 3/100 sq. ft.
Squares/Pallet 16

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

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/FLX®

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

Vented RidgeCrest™ w/FLX

Size: 13" x 13"
Exposure: 9⅝"
Pieces/Box: 28
Coverage: 5 boxes =
100 linear feet

Elk Starter Strip

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

Available Colors (Check Availability): Antique Slate, Weatheredwood, Shakeswood, Sablewood, Hickory, Barkwood, Forest Green, Wedgewood, Birchwood, Sandalwood
Gallery Collection: Balsam Forest®, Weathered Sage®, Sierra 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 2462.

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

*See actual limited warranty for conditions and limitations.

**Effective January 1, 2004, the seven year non-prorated Underlayment 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 eaves and gable 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 eaves and gable edges of the roof in and north of the states of VA, NY, MD, DE, CT, VT, NH, & OR.

***For a limited Wind Warranty up to 110 mph for Prestique Gallery Collection, Prestique Plus, or 90 mph for Prestique I or Grandé, 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

Score: 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 NDT approved substrates for Elk shingles. Consult Elk Field Service for application specifications over other decks and other clings.

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.

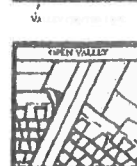
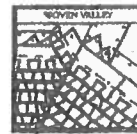
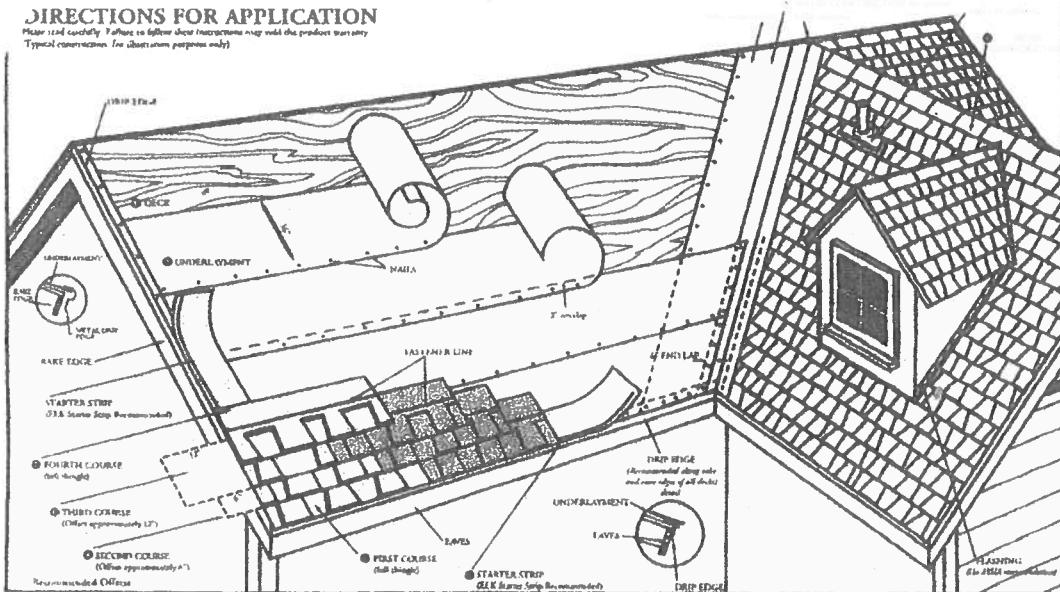
For areas where algae is a problem, shingles shall be (name) with StainGuard treatment, as manufactured by the Elk Tuscaloosa plant. Hip and ridge type to be Seal-A-Ridge with formula FLX with StainGuard treatment.

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

Please read carefully. Failure to follow these instructions may void this product warranty.
Typical construction for illustration purposes only.



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.

1. DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 8" 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.

2. 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 15". 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.

3. 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.

4. 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.

5. SECOND COURSE

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

6. THIRD COURSE

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

7. 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 rock shingles straight up the roof. Offsets may be adjusted around valleys and penetrations.

8. 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.

9. RIDGE CONSTRUCTION

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

FASTENERS

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

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

NAILS: Corrosive resistant, 3/8" head, minimum 12-gauge roofing nails. Elk recommends 1-1/4" for new roofs and 1-1/2" for re-roofs. 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 8 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 D THICKNESS (laminated) area of the shingle. Nails or staples must be placed along – and through – the fastener line products without fastener lines, nail or staple between line with sealant dots. CAUTION: Do not use fastener I shingle alignment.



REPAIR Note 1: Nails will tend to penetrate membranes with time, although. Drive another nail nearby.

REPAIR Note 2: Drive another nail nearby. Seal membrane and with applied plastic cement.

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.



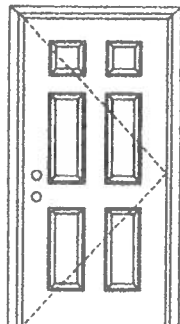
X

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".

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.



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

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

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).

Kurt L Balthazor

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



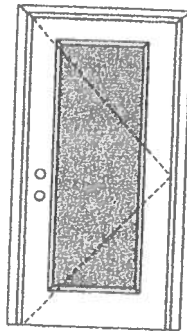
Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.edsamko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

X
Glazed Outswing Unit

COP-WL-JH4161-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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



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

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.

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

Wernicke Hervey



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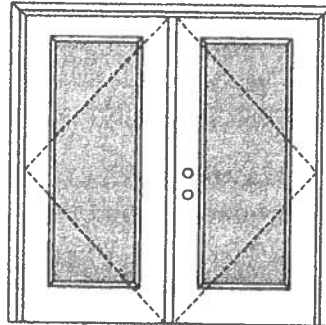
XX

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.



Test Data Review Certificate #3026447A and COP/Test Report Validation Matrix #3026447A-001 provides additional information - available from the ITS/WH website (www.itswh.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.



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: **0610-53**
Glenn Keen/ Jason Elixson Construction Owner Laura Vazgues Property ID 11-4s-16-02914-336

On the date of October 19, 2006 application 0610-53 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 0610-53 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 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.

E. In the garage area a mechanical closet has been established to house two appliances (WH & HVAC). In accordance with the above section the door which provides access to the mechanical closet will be required to be installed to meet the requirements of R309.1, which will provide the required protection and separation of the mechanical closet from the residence living area.

F. The attic access opening (pull down ladder type attic egress door) in the garage ceiling shall have the same protection requirements of sections

R309.1 and R309.2 which requires this attic egress door and the door assembly to have a 20-minute fire-rating.

2. The electrical plans show the electrical panel being located in the garage area. 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.

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

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

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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).

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



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

Residential System Sizing Calculation

Summary

Spec House

Project Title:
607061K&H Framing Vinyl Siding

Class 3 Rating
Registration No. 0
Climate: North

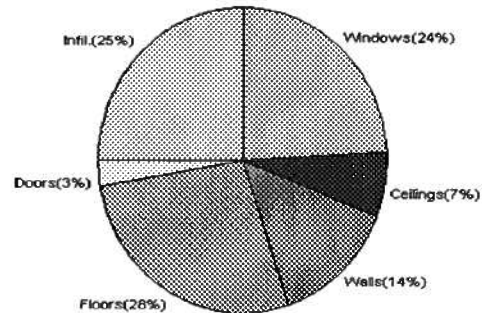
7/10/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	33722 Btuh	Total cooling load calculation	27652 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	115.7 39000	Sensible (SHR = 0.75)	130.0 29250
Heat Pump + Auxiliary(0.0kW)	115.7 39000	Latent	189.0 9750
		Total (Electric Heat Pump)	141.0 39000

WINTER CALCULATIONS

Winter Heating Load (for 1934 sqft)

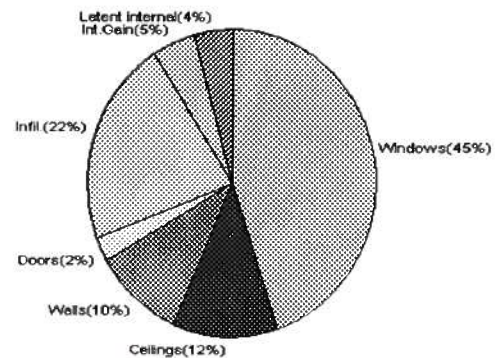
Load component	Load
Window total 254 sqft	8186 Btuh
Wall total 1395 sqft	4580 Btuh
Door total 70 sqft	907 Btuh
Ceiling total 1994 sqft	2350 Btuh
Floor total 214 sqft	9343 Btuh
Infiltration 206 cfm	8356 Btuh
Duct loss	0 Btuh
Subtotal	33722 Btuh
Ventilation 0 cfm	0 Btuh
TOTAL HEAT LOSS	33722 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1934 sqft)

Load component	Load
Window total 254 sqft	12319 Btuh
Wall total 1395 sqft	2791 Btuh
Door total 70 sqft	686 Btuh
Ceiling total 1994 sqft	3302 Btuh
Floor total	0 Btuh
Infiltration 108 cfm	2016 Btuh
Internal gain	1380 Btuh
Duct gain	0 Btuh
Sens. Ventilation 0 cfm	0 Btuh
Total sensible gain	22494 Btuh
Latent gain(ducts)	0 Btuh
Latent gain(infiltration)	3958 Btuh
Latent gain(ventilation)	0 Btuh
Latent gain(internal/occupants/other)	1200 Btuh
Total latent gain	5158 Btuh
TOTAL HEAT GAIN	27652 Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *Ben Smith*

DATE: 7-10-06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House
, FL

Project Title:
607061K&HFramingVinylSiding

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

7/10/2006

Component Loads for Whole House					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	45.0	32.2	1449 Btuh
2	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
3	2, Clear, Metal, 0.87	W	10.0	32.2	322 Btuh
4	2, Clear, Metal, 0.87	NW	36.0	32.2	1159 Btuh
5	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
6	2, Clear, Metal, 0.87	NE	12.0	32.2	386 Btuh
7	2, Clear, Metal, 0.87	SE	36.0	32.2	1159 Btuh
8	2, Clear, Metal, 0.87	SE	13.3	32.2	428 Btuh
9	2, Clear, Metal, 0.87	SE	30.0	32.2	966 Btuh
10	2, Clear, Metal, 0.87	SW	12.0	32.2	386 Btuh
Window Total			254(sqft)		8186 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1191	3.3	3910 Btuh
2	Frame - Wood - Adj(0.09)	13.0	204	3.3	670 Btuh
Wall Total			1395		4580 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		10	12.9	130 Btuh
2	Insulated - Adjacent		20	12.9	259 Btuh
3	Insulated - Exterior		40	12.9	518 Btuh
Door Total			70		907Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1994	1.2	2350 Btuh
Ceiling Total			1994		2350Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	214.0 ft(p)	43.7	9343 Btuh
Floor Total			214		9343 Btuh
Zone Envelope Subtotal:					25366 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.80	15472	206.3	8356 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				33722 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House
, FL

Project Title:
607061K&H Framing Vinyl Siding

Class 3 Rating
Registration No. 0
Climate: North

7/10/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	33722 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	33722 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - Manual J Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Spec House

Project Title:
607061K&H Framing Vinyl Siding

Class 3 Rating
Registration No. 0
Climate: North

, FL

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

7/10/2006

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

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	45.0		32.2	1449 Btuh
2	2, Clear, Metal, 0.87	NW	30.0		32.2	966 Btuh
3	2, Clear, Metal, 0.87	W	10.0		32.2	322 Btuh
4	2, Clear, Metal, 0.87	NW	36.0		32.2	1159 Btuh
5	2, Clear, Metal, 0.87	NW	30.0		32.2	966 Btuh
6	2, Clear, Metal, 0.87	NE	12.0		32.2	386 Btuh
7	2, Clear, Metal, 0.87	SE	36.0		32.2	1159 Btuh
8	2, Clear, Metal, 0.87	SE	13.3		32.2	428 Btuh
9	2, Clear, Metal, 0.87	SE	30.0		32.2	966 Btuh
10	2, Clear, Metal, 0.87	SW	12.0		32.2	386 Btuh
Window Total			254(sqft)			8186 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1191		3.3	3910 Btuh
2	Frame - Wood - Adj(0.09)	13.0	204		3.3	670 Btuh
Wall Total			1395			4580 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		10		12.9	130 Btuh
2	Insulated - Adjacent		20		12.9	259 Btuh
3	Insulated - Exterior		40		12.9	518 Btuh
Door Total			70			907 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1994		1.2	2350 Btuh
Ceiling Total			1994			2350 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	214.0 ft(p)		43.7	9343 Btuh
Floor Total			214			9343 Btuh
Zone Envelope Subtotal:						25366 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		
	Natural	0.80	15472	206.3		8356 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					33722 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

, FL

Project Title:
607061K&HFramingVinylSiding

Class 3 Rating
Registration No. 0
Climate: North

7/10/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	33722 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	33722 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House

Project Title:
607061K&H Framing Vinyl Siding

Class 3 Rating
Registration No. 0
Climate: North

, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

7/10/2006

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

Component Loads for Whole House

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	45.0	0.0	45.0	29	60	2702	Btuh
2	2, Clear, 0.87, None,N,N	NW	12ft.	5.5ft.	30.0	0.0	30.0	29	60	1801	Btuh
3	2, Clear, 0.87, None,N,N	W	12ft.	5.5ft.	10.0	10.0	0.0	29	80	290	Btuh
4	2, Clear, 0.87, None,N,N	NW	7.5ft.	6ft.	36.0	0.0	36.0	29	60	2161	Btuh
5	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	30.0	0.0	30.0	29	60	1801	Btuh
6	2, Clear, 0.87, None,N,N	NE	1.5ft.	3.5ft.	12.0	0.0	12.0	29	60	720	Btuh
7	2, Clear, 0.87, None,N,N	SE	4.5ft.	6ft.	36.0	36.0	0.0	29	63	1043	Btuh
8	2, Clear, 0.87, None,N,N	SE	4.5ft.	7.5ft.	13.3	13.3	0.0	29	63	385	Btuh
9	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	30.0	30.0	0.0	29	63	869	Btuh
10	2, Clear, 0.87, None,N,N	SW	1.5ft.	4.5ft.	12.0	6.1	5.9	29	63	547	Btuh
Window Total					254 (sqft)					12319 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)		HTM		Load		
1	Frame - Wood - Ext	13.0/0.09			1190.7		2.1		2484 Btuh		
2	Frame - Wood - Adj	13.0/0.09			204.0		1.5		308 Btuh		
Wall Total					1395 (sqft)				2791 Btuh		
Doors	Type				Area (sqft)		HTM		Load		
1	Insulated - Exterior				10.0		9.8		98 Btuh		
2	Insulated - Adjacent				20.0		9.8		196 Btuh		
3	Insulated - Exterior				40.0		9.8		392 Btuh		
Door Total					70 (sqft)				686 Btuh		
Ceilings	Type/Color/Surface	R-Value			Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle	30.0			1994.0		1.7		3302 Btuh		
Ceiling Total					1994 (sqft)				3302 Btuh		
Floors	Type	R-Value			Size		HTM		Load		
1	Slab On Grade	0.0			214 (ft(p))		0.0		0 Btuh		
Floor Total					214.0 (sqft)				0 Btuh		
	Zone Envelope Subtotal:									19098 Btuh	
Infiltration	Type	ACH			Volume(cuft)		CFM=		Load		
	SensibleNatural	0.42			15472		108.3		2016 Btuh		
Internal gain	Occupants			Btuh/occupant		Appliance		Load			
	6			X 230 +		0		1380 Btuh			
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									22494 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
, FL

Project Title:
607061K&HFramingVinylSiding

Class 3 Rating
Registration No. 0
Climate: North

7/10/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	22494 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	22494 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	22494 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3958 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5158 Btuh
	TOTAL GAIN	27652 Btuh

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House

Project Title:
607061K&H Framing Vinyl Siding

Class 3 Rating
Registration No. 0
Climate: North

, FL

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

7/10/2006

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	45.0	0.0	45.0	29	60	2702	Btuh
2	2, Clear, 0.87, None,N,N	NW	12ft.	5.5ft.	30.0	0.0	30.0	29	60	1801	Btuh
3	2, Clear, 0.87, None,N,N	W	12ft.	5.5ft.	10.0	10.0	0.0	29	80	290	Btuh
4	2, Clear, 0.87, None,N,N	NW	7.5ft.	6ft.	36.0	0.0	36.0	29	60	2161	Btuh
5	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	30.0	0.0	30.0	29	60	1801	Btuh
6	2, Clear, 0.87, None,N,N	NE	1.5ft.	3.5ft.	12.0	0.0	12.0	29	60	720	Btuh
7	2, Clear, 0.87, None,N,N	SE	4.5ft.	6ft.	36.0	36.0	0.0	29	63	1043	Btuh
8	2, Clear, 0.87, None,N,N	SE	4.5ft.	7.5ft.	13.3	13.3	0.0	29	63	385	Btuh
9	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	30.0	30.0	0.0	29	63	869	Btuh
10	2, Clear, 0.87, None,N,N	SW	1.5ft.	4.5ft.	12.0	6.1	5.9	29	63	547	Btuh
Window Total					254 (sqft)					12319 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09			1190.7			2.1		2484 Btuh	
2	Frame - Wood - Adj	13.0/0.09			204.0			1.5		308 Btuh	
Wall Total					1395 (sqft)					2791 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				10.0			9.8		98 Btuh	
2	Insulated - Adjacent				20.0			9.8		196 Btuh	
3	Insulated - Exterior				40.0			9.8		392 Btuh	
Door Total					70 (sqft)					686 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0			1994.0			1.7		3302 Btuh	
Ceiling Total					1994 (sqft)					3302 Btuh	
Floors	Type	R-Value			Size			HTM		Load	
1	Slab On Grade	0.0			214 (ft(p))			0.0		0 Btuh	
Floor Total					214.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									19098 Btuh	
Infiltration	Type	ACH			Volume(cuft)			CFM=		Load	
	SensibleNatural	0.42			15472			108.3		2016 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	6			X 230 +			0		1380 Btuh		
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									22494 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
, FL

Project Title:
607061K&H Framing Vinyl Siding

Class 3 Rating
Registration No. 0
Climate: North

7/10/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	22494 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	22494 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	22494 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3958 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5158 Btuh
	TOTAL GAIN	27652 Btuh

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



For Florida residences only

Residential Window Diversity

MidSummer

Spec House

Project Title:
607061K&H Framing Vinyl Siding

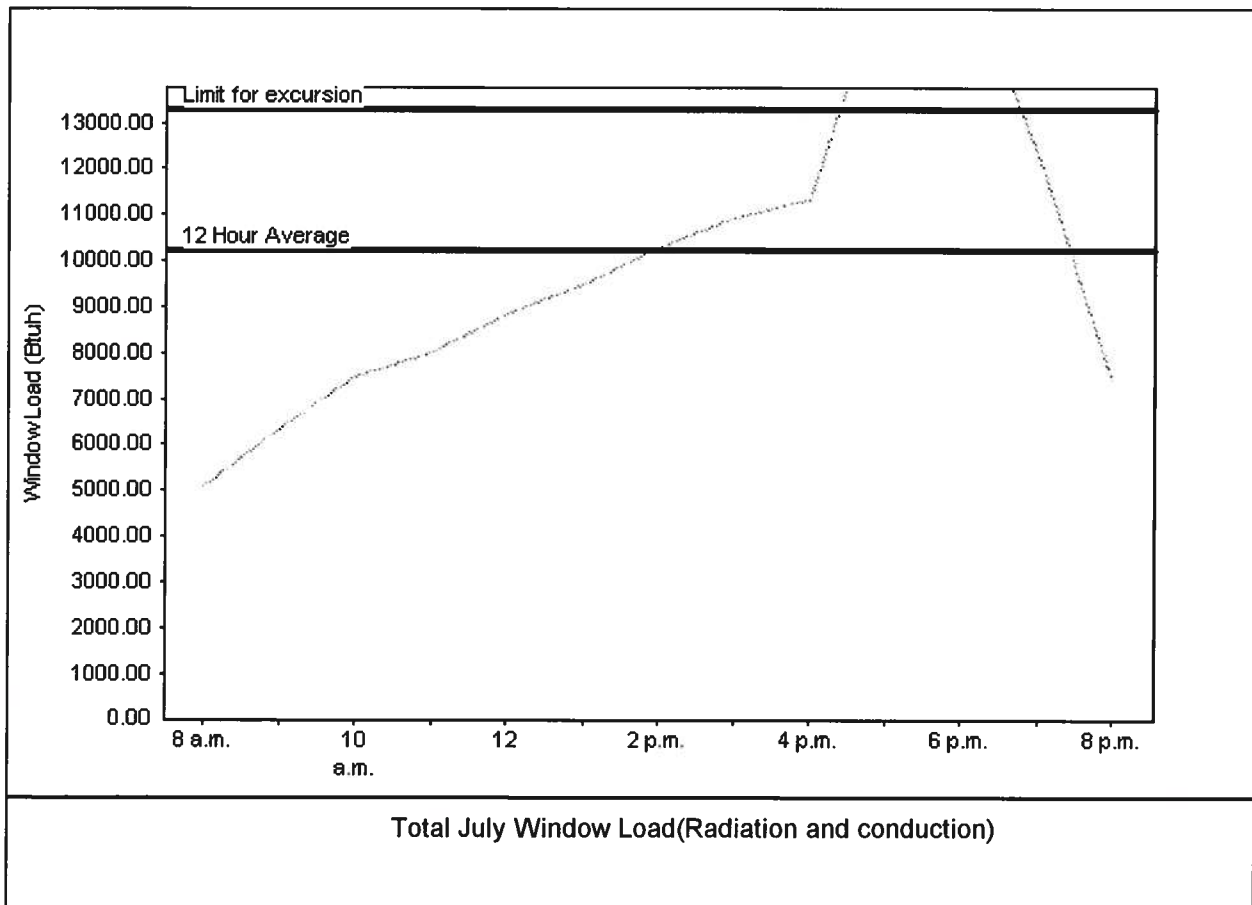
Class 3 Rating
Registration No. 0
Climate: North

7/10/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	10231 Btu
Summer setpoint	75 F	Peak window load for July	16544 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	13301 Btu
Latitude	29 North	Window excursion (July)	3243 Btu

WINDOW Average and Peak Loads



This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: *Ben Crank*

DATE: *7-10-06*



**AAMA/NWWDA 101/LS.2-97
TEST REPORT**

Rendered to:

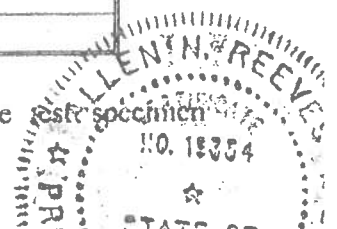
MI HOME PRODUCTS, INC.

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 description and data.



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

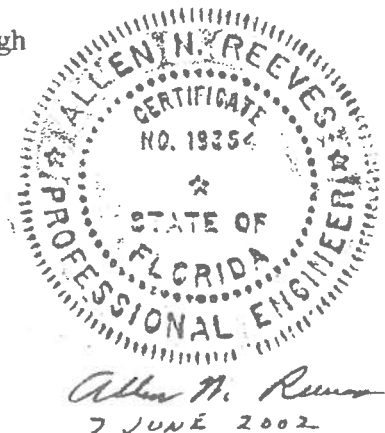
Active Sash Size (3): 3' 0-1/4" wide by 2' 10-3/4" high

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.

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.

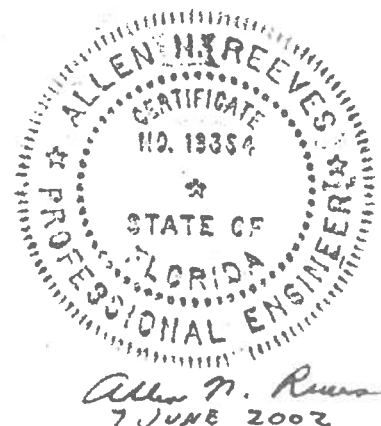
Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
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.



Test Specimen Description: (Continued)

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
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:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
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

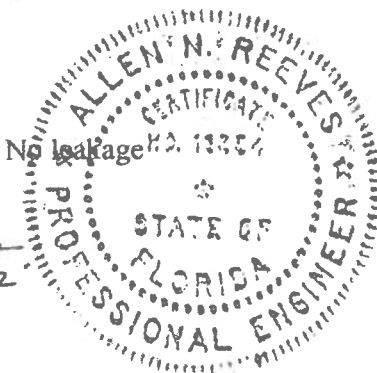
Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/I.S. 2-97 for air infiltration.

Water Resistance (ASTM E 547-00)
(with and without screen)
WTP = 2.86 psf

No leakage

No leakage

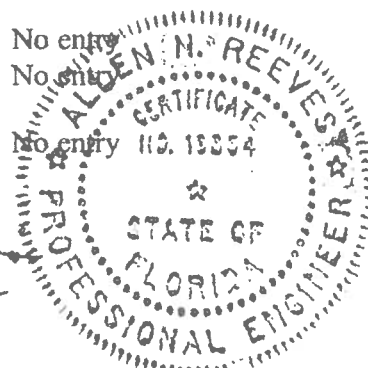
Allen N. Reeves
7 JUNE 2002



Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
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) @ 15.0 psf (negative)	0.15" 0.29"	0.41" max. 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) @ 22.5 psf (negative)	0.01" 0.01"	0.29" max. 0.29" max.
2.2 .6.2	Deglazing Test (ASTM E 987-88) In operating direction at 70 lbs Right sash, meeting rail Right sash, bottom rail Middle sash, meeting rail Middle sash, bottom rail Left sash, meeting rail Left sash, bottom rail In remaining direction at 50 lbs Right sash, right stile Right sash, left stile Middle sash, right stile Middle sash, left stile Left sash, right stile Left sash, left stile	0.12"/25% 0.12"/25% 0.12"/25% 0.12"/25% 0.12"/25% 0.12"/25% 0.06"/12% 0.06"/12% 0.06"/12% 0.06"/12% 0.06"/12% 0.06"/12%	0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100% 0.50"/100%
2 .8	Forced Entry Resistance (ASTM F 588-97) Type: A Grade: 10 Lock Manipulation Test Test A1 through A5 Test A7 Lock Manipulation Test	No entry No entry No entry No entry	No entry No entry No entry No entry

Allen N. Reeves
7 JUNE 2002

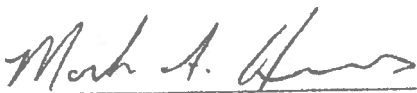


Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Optional Performance</u>			
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
<i>*Exceeds L/175 for deflection, but meets all other test requirements.</i>			
	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 10 seconds)		
	@ 53.0 psf (positive)	0.03"	0.29" max
	@ 52.5 psf (negative)	0.02"	0.29" max

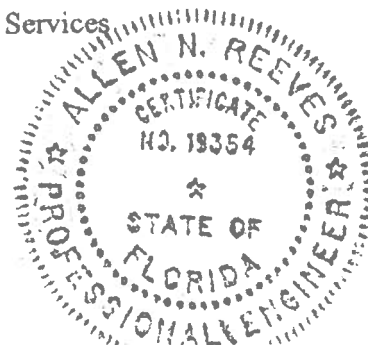
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification.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

For ARCHITECTURAL TESTING, INC


Mark A. Hess
Technician

MAH:nlb
01-41641.01


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





**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.





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

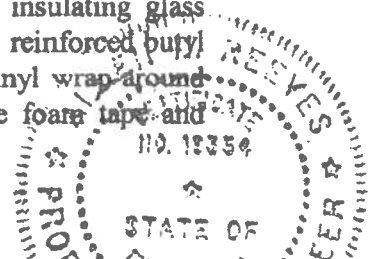
Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

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:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
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:

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



Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
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) @ 34.7 psf (negative)	0.42"* 0.43"*	0.26" max. 0.26" max.

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

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



Test Specimen Description: (Continued)

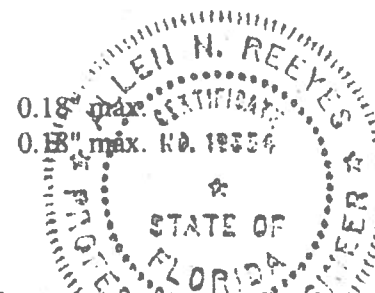
<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	* @ 45.0 psf (positive)	0.47"*	0.26" max.
	@ 47.2 psf (negative)	0.46"*	0.26" max.

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

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



Allen N. Reeves

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

For ARCHITECTURAL TESTING, INC:



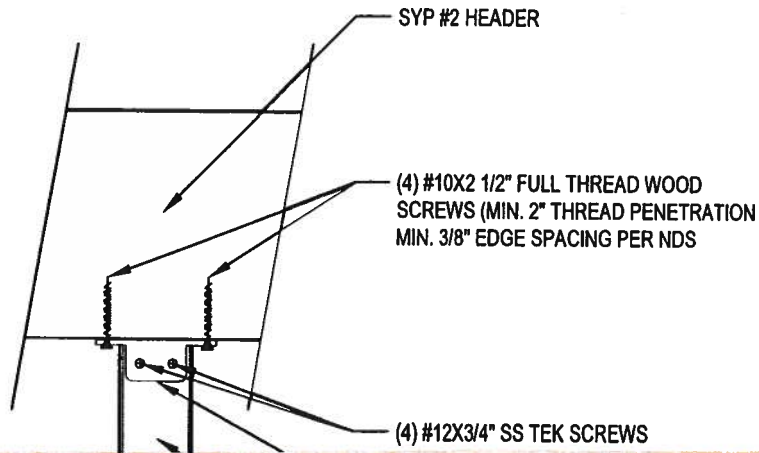
Mark A. Hess
Technician

MAH:nlb
01-41134.01



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





Notice of Treatment

12274

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: Bayview
City: Lakeland **Phone:** 732-1703

Site Location: Subdivision Mayfair III
Lot #: 36 **Block#:** Permit # 25143
Address: 535 SW Mayfair Ln

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 Front & Back Porch	3188	240	280

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 _____.

11/7/06 1015 F254 GUNNY
Date Time Print Technician's Name

Remarks:

Applicator - White **Permit File - Canary** **Permit Holder - Pink**

10/05

ENGINEER: Mark Disoway,
P.O. Box 868, Lake City, FL
34646

Some standards scaled
for all questions to
P.E. for resolution.
Without clarification.

AND PROPERTY RIGHTS:
P.E. hereby expressly reserves
all copyrights and property right in
this service. This document is
issued, altered or copied in any
manner without the express written
consent of Mark Disoway.

Do I hereby certify that I have
drawn and seal the applicable
plans, drawings or engineering
design (2012.2) building code
of 2004, to the best of my
knowledge.

This design is valid for one
year from the date of issue.

Mark Disoway
P.E. 2011

11/7/06
1015
F254 GUNNY

H. Framing /
Siding, Inc.

Spec House
Mayfair III S/D

ADDRESS:
36 Mayfair III S/D
Lakeland County, Florida

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

PRINTED DATE:
January 16, 2007

OWN BY: Mark Disoway
CHECKED BY:

FINAL DATE:
10 / Jul / 06

JOB NUMBER:
607061

DRAWING NUMBER

CERTIFICATE OF OCCUPANCY

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 11-4S-16-02911-336

Building permit No. 000025143

Use Classification SFD/UTILITY

Fire: 39.06

Permit Holder JASON ELIXSON

Waste: 117.25

Owner of Building LAURA VAZQUEZ

Total: 156.31

Location: 535 SW MAYFAIR LANE(MAY-FAIR, LOT 36)

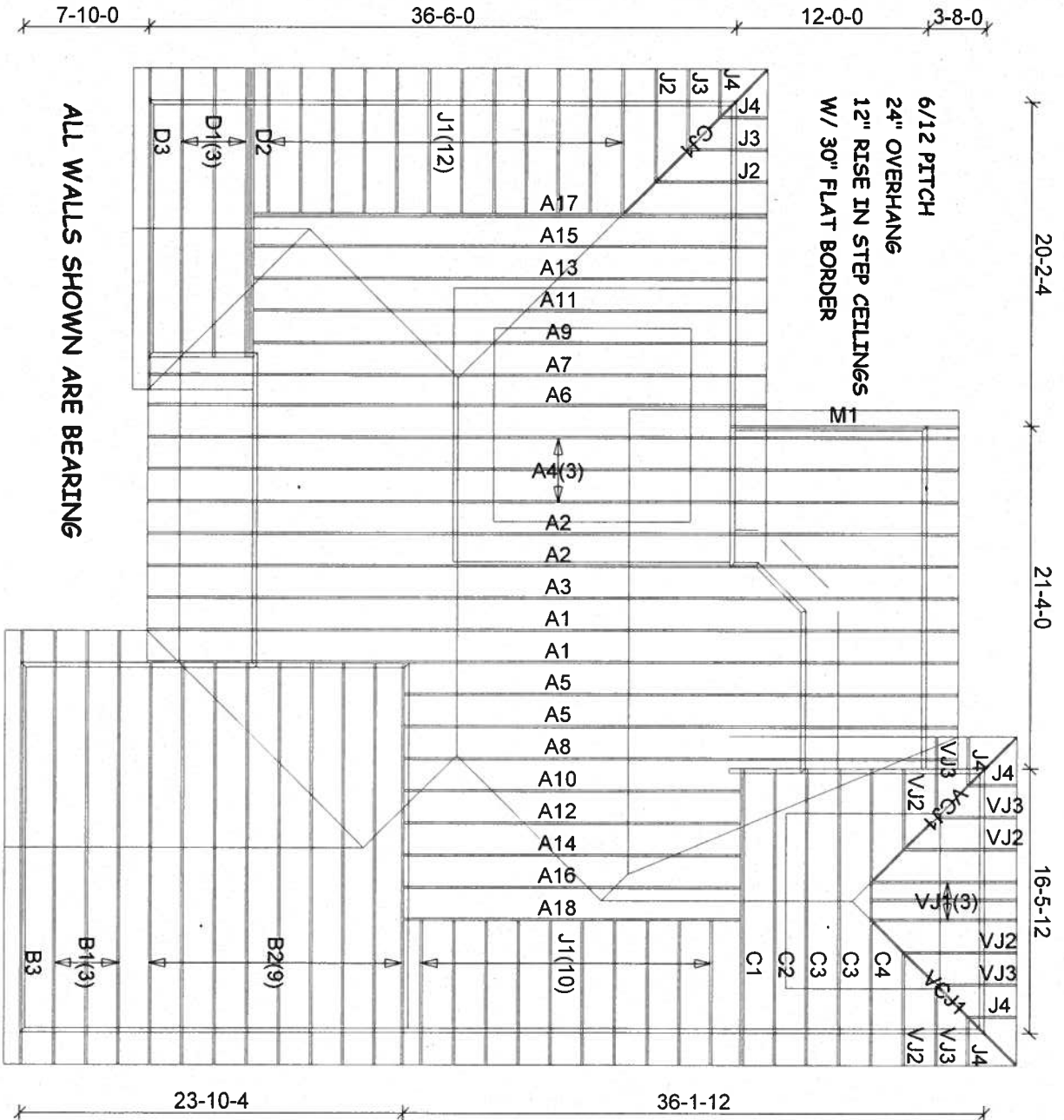
Date: 03/27/2007

Larry Steele

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)



Mayo Truss Co. Inc.

845 East US 27
MAYO, FL 32066
(386) 294-3988
(877)-538-6262

K & H FRAMING

MAYFAIR - LOT 36

110 MPH ASCE WIND LOAD

Roof Loading		Account: CONTRACTORS	
TC Live:	20.00 psf	Job:	KH-MAYFAIR36
TC Dead:	10.00 psf	Designer:	MMURRAY
BC Live:	0.00 psf	Checker:	MMURRAY
BC Dead:	10.00 psf	Date:	07-07-06
TC Stress Inc:	25.00		
BC Stress Inc:	25.00		
Spacing:	2'-0" o.c.		

Permit Number: _____ Lot Number: _____
 Miscellaneous: _____ Address: _____

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

Truss Fabricator: Mayo Truss Company, Inc

Job Reference: KH-MAYFAIR36 - MAYFAIR - LOT 36

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 Category - B
Occupancy Factor - 1.00
MWFRS
Enclosed

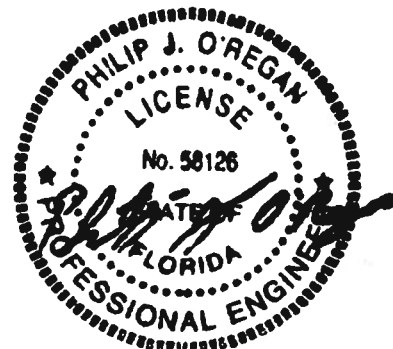
Job Number	Date	FBC - 2004 Chapter 16 and 23	Specification Quantity
T06070087	07/03/2006		38

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 responsibility of the Building Designer, as defined in ANSI/TPI 1-2002, Section 2.2. Permanent files of the original Truss Specification 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. (Software - Online Plus)

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

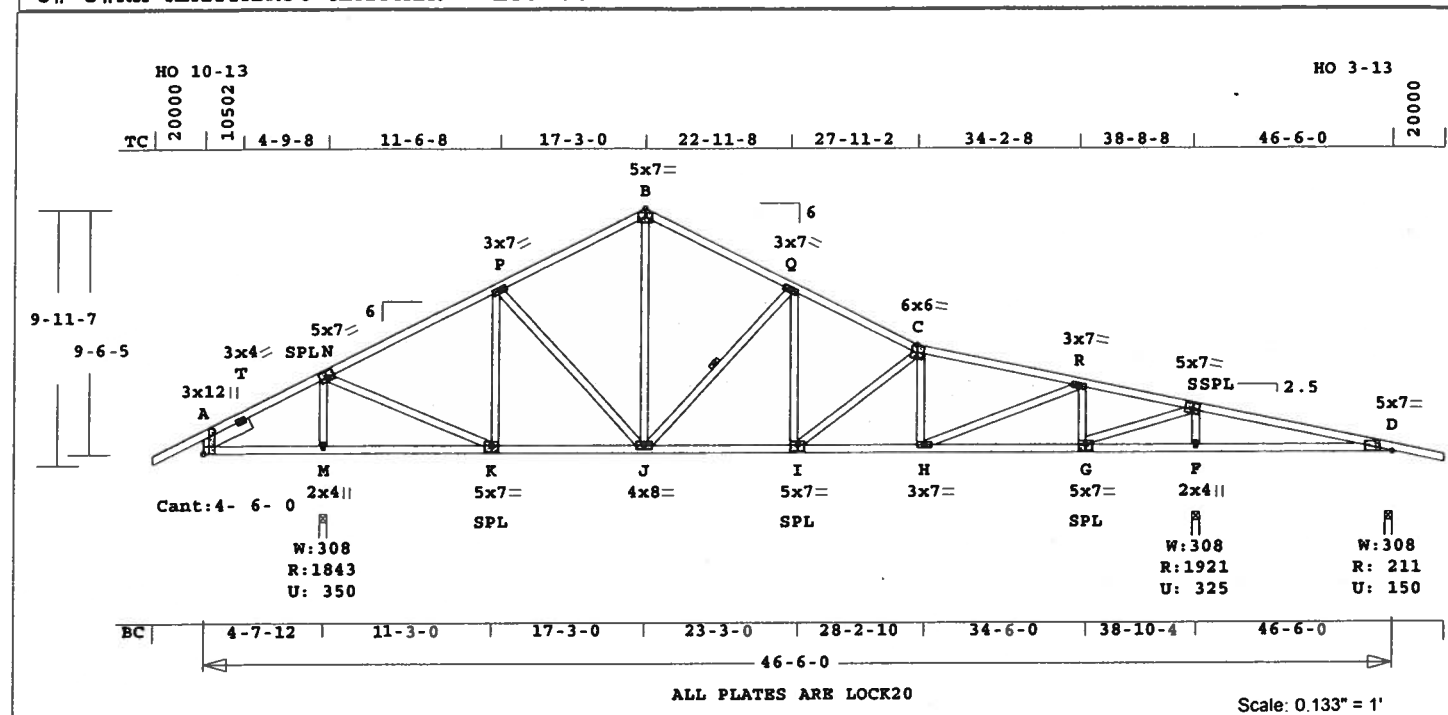
Date Mark			Date Mark			Date Mark			Date Mark		
1	07/03/06	A1	2	07/03/06	A2	3	07/03/06	A3	4	07/03/06	A4
5	07/03/06	A5	6	07/03/06	A6	7	07/03/06	A7	8	07/03/06	A8
9	07/03/06	A9	10	07/03/06	A10	11	07/03/06	A11	12	07/03/06	A12
13	07/03/06	A13	14	07/03/06	A14	15	07/03/06	A15	16	07/03/06	A16
17	07/03/06	A17	18	07/03/06	A18	19	07/03/06	B1	20	07/03/06	B2
21	07/03/06	B3	22	07/03/06	C1	23	07/03/06	C2	24	07/03/06	C3
25	07/03/06	C4	26	07/03/06	CJ1	27	07/03/06	D1	28	07/03/06	D2
29	07/03/06	D3	30	07/03/06	J1	31	07/03/06	J2	32	07/03/06	J3
33	07/03/06	J4	34	07/03/06	M1	35	07/03/06	VCJ1	36	07/03/06	VJ1
37	07/03/06	VJ2	38	07/03/06	VJ3						

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



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	A1	2	PCH3	460600	6	2- 0- 0	2- 0- 0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



ALL PLATES ARE LOCK20

Scale: 0.133" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 331.3 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

CSI	Size	Lumber	SP	#2
TC	0.64	2x 4	SP	#2
BC	0.47	2x 4	SP	#2
WB	0.44	2x 4	SP	#2
SL	0.02	2x 6	SP	#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 46- 6- 0
BC Cont. 0- 0- 0 46- 6- 0
WB 1 rows CLB on J -Q
Attach CLB with (2)-10d nails
at each web.

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25
TC Fb=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

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

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
M	1843	350	3- 8	1-15
			Hz =	-177
F	1922	326	3- 8	2- 1
D	211	151	3- 8	1- 8
			Hz =	157

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -T	0.18		56 T	0.01	0.17
T -N	0.44		249 T	0.04	0.40
N -P	0.41		1181 C	0.01	0.40
P -B	0.38		1208 C	0.01	0.37
B -Q	0.32		1206 C	0.01	0.31
Q -C	0.33		1853 C	0.02	0.31
C -R	0.42		2346 C	0.07	0.35
R -S	0.52		1553 C	0.01	0.51
S -D	0.64		792 T	0.13	0.51
-----Bottom Chords-----					
A -M	0.24		183 C	0.00	0.24
M -K	0.24		183 C	0.00	0.24
K -J	0.31		1055 T	0.11	0.20

J	I	0.39	1671 T	0.28	0.11
I	-H	0.47	2303 T	0.38	0.09
H	-G	0.38	1513 T	0.25	0.13
G	-F	0.36	765 C	0.00	0.36
F	-D	0.39	765 C	0.00	0.39
-----Webs-----					
M	-N	0.21	1555 C		
N	-K	0.24	1349 T		
K	-P	0.21	418 C		
P	-J	0.10	115 C		
J	-B	0.13	745 T		
J	-Q	0.21	877 C		1 Br
I	-Q	0.10	580 T		
I	-C	0.37	792 C		
H	-C	0.03	197 C		
H	-R	0.15	847 T		
G	-R	0.08	758 C		
G	-S	0.44	2421 T		
F	-S	0.16	1711 C		
-----Sliders-----					
A	-T	0.02	150 T		

TL Defl -0.15" in F -D L/591
LL Defl -0.06" in F -D L/999
LL Cant -0.01" in A -M L/999
Shear // Grain in S -D 0.31

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga	Gross Area
Plate	RHS	20 Ga	Gross Area
Jt Type	Plt Size	X	Y JSI
A LOCK	3.0x12.0	3.9	0.8 0.74
T LOCK	3.0x 4.0	Ctr	Ctr 0.95
N LOCK	5.0x 7.0	0.2	0.5 0.84
P LOCK	3.0x 7.0	Ctr	Ctr 0.48
B LOCK	5.0x 7.0	Ctr	0.3 0.74
Q LOCK	3.0x 7.0	Ctr	Ctr 0.50
C LOCK	6.0x 6.0	Ctr	Ctr 0.86
R LOCK	3.0x 7.0	Ctr	Ctr 0.43
S LOCK	5.0x 7.0	0.1	0.5 0.86
D LOCK	5.0x 7.0	9.2	2.3 0.89
M LOCK	2.0x 4.0	Ctr	Ctr 0.52
K LOCK	5.0x 7.0	Ctr	0.5 0.86
J LOCK	4.0x 8.0	Ctr	Ctr 0.46
I LOCK	5.0x 7.0	Ctr	0.5 0.86
H LOCK	3.0x 7.0	Ctr	Ctr 0.52
G LOCK	5.0x 7.0	Ctr	0.5 0.86
F LOCK	2.0x 4.0	Ctr	Ctr 0.52

Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
38-10- 4 46- 6- 0
Max comp. force 2346 Lbs
Quality Control Factor 1.25

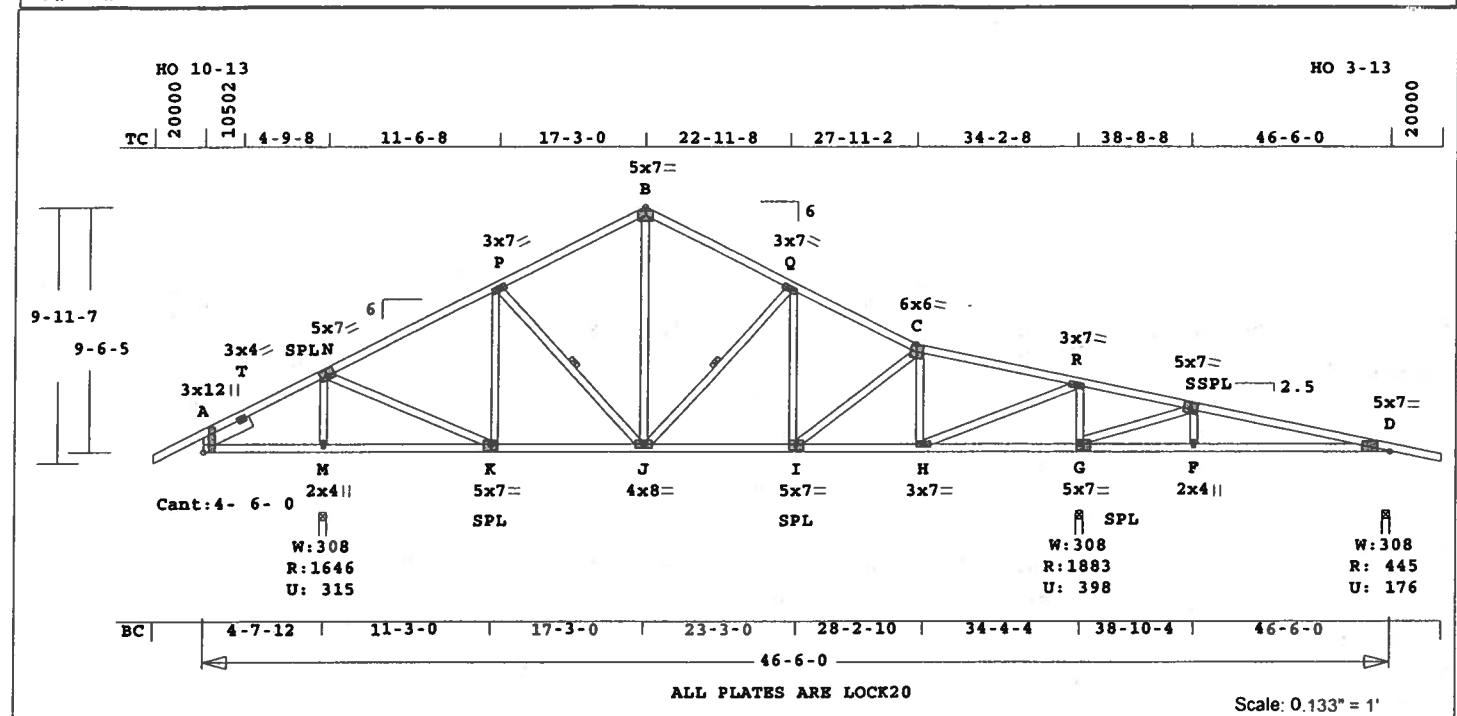
Truss Design Engineer: Philip J. O'Regan
License #: 58126
Address: P.O. Box 280055, Tampa, FL 33682



REVIEWED BY:

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	A2	2	PCH3	460600	6	2- 0- 0	2- 0- 0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 331.3 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

CSI -Size- ---Lumber---
TC 0.52 2x 4 SP-#2
BC 0.39 2x 4 SP-#2
WB 0.36 2x 4 SP-#2
SL 0.02 2x 6 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 46- 6- 0
BC Cont. 0- 0- 0 46- 6- 0
WB 1 rows CLB on P -J
WB 1 rows CLB on J -Q
Attach CLB with (2)-10d nails
at each web.

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 40.0
Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

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

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
M	1647	316	3- 8	1-12
			Hz =	-177
G	1883	398	3- 8	2- 0
D	446	177	3- 8	1- 8
			Hz =	157

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -T	0.18	55 T	0.01	0.17
T -N	0.44	250 T	0.04	0.40
N -P	0.40	946 C	0.00	0.40
P -B	0.37	908 C	0.00	0.37
B -Q	0.29	904 C	0.00	0.29
Q -C	0.29	1214 C	0.00	0.29
C -R	0.32	1114 C	0.01	0.31
R -S	0.52	735 T	0.11	0.41
S -D	0.41	248 C	0.00	0.41
-----Bottom Chords-----				
A -M	0.24	184 C	0.00	0.24
M -K	0.24	184 C	0.00	0.24
K -J	0.28	845 T	0.08	0.20
J -I	0.29	1094 T	0.18	0.11

I -H	0.27	1103 T	0.11	0.16
H -G	0.17	722 C	0.00	0.17
G -F	0.28	251 T	0.04	0.24
F -D	0.39	251 T	0.04	0.35

-----Webs-----				
M -N	0.18	1360 C		
N -K	0.20	1122 T		
K -P	0.16	327 C		
P -J	0.03	134 C	1 Br	
J -B	0.08	490 T		
J -Q	0.10	424 C	1 Br	
I -Q	0.03	213 T		
I -C	0.01	40 C		
H -C	0.12	626 C		
H -R	0.36	1954 T		
G -R	0.17	1438 C		
G -S	0.29	1034 C		
F -S	0.04	261 T		
-----Sliders-----				
A -T	0.02	152 T		

TL Defl -0.18" in F -D L/793
LL Defl -0.08" in F -D L/999
LL Cant -0.01" in A -M L/999
Shear // Grain in S -D 0.29

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area	
Plate - RHS 20 Ga, Gross Area	
Jt Type	Plt Size X Y JSI
A LOCK	3.0x12.0 3.9 0.8 0.74
T LOCK	3.0x 4.0 Ctr Ctr 0.95
N LOCK	5.0x 7.0-0.2 0.5 0.84
P LOCK	3.0x 7.0 Ctr Ctr 0.48
B LOCK	5.0x 7.0 Ctr-0.3 0.74
Q LOCK	3.0x 7.0 Ctr Ctr 0.48
C LOCK	6.0x 6.0 Ctr Ctr 0.86
R LOCK	3.0x 7.0 Ctr Ctr 0.64
S LOCK	5.0x 7.0 0.1 0.5 0.86
D LOCK	5.0x 7.0-9.2 2.3 0.89
M LOCK	2.0x 4.0 Ctr Ctr 0.52
K LOCK	5.0x 7.0 Ctr-0.5 0.86
J LOCK	4.0x 8.0 Ctr Ctr 0.46
I LOCK	5.0x 7.0 Ctr-0.5 0.86
H LOCK	3.0x 7.0 Ctr Ctr 0.64
G LOCK	5.0x 7.0 Ctr-0.5 0.86
F LOCK	2.0x 4.0 Ctr Ctr 0.52

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

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

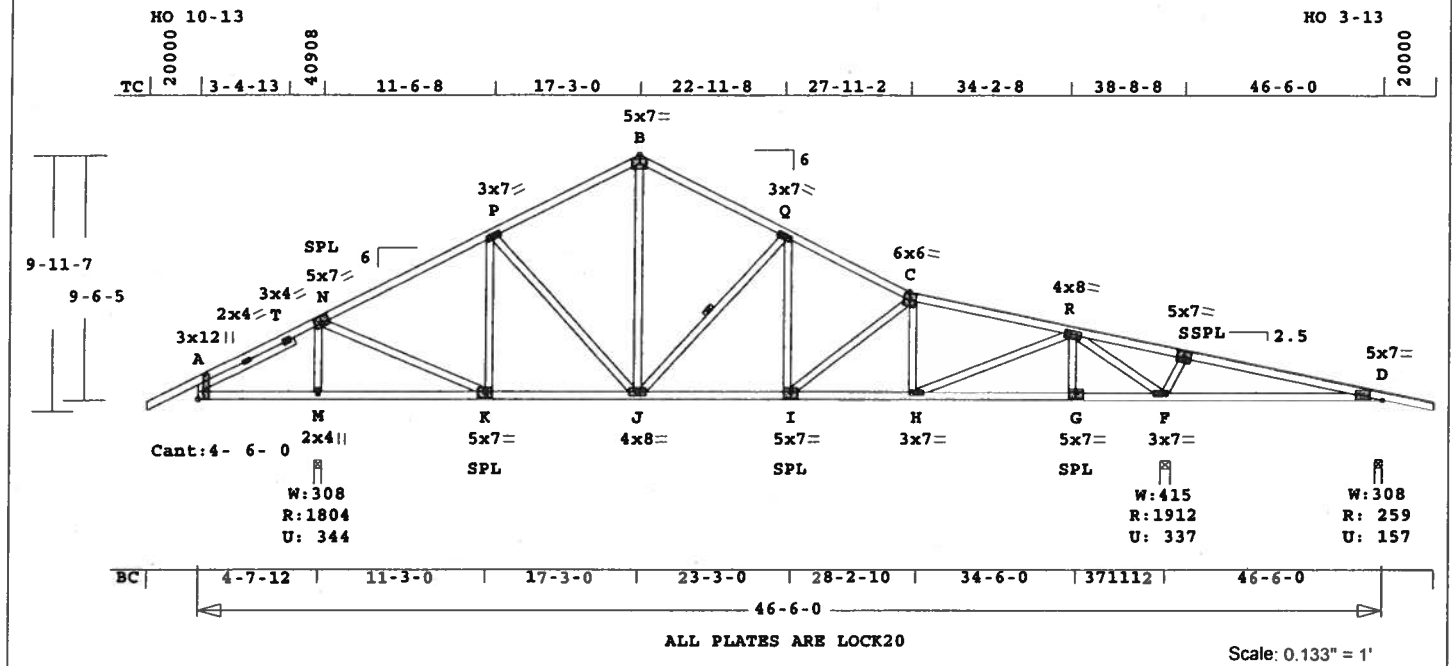
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
34- 4- 4 46- 6- 0
Max comp. force 1438 Lbs
Quality Control Factor 1.25

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



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	A3	2	PCH3	460600	6	2- 0- 0	2- 0- 0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 333.4 LBS

Tampa, FL 33682

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

CSI -Size- ---Lumber---
TC 0.65 2x 4 SP-#2
BC 0.55 2x 4 SP-#2
WB 0.53 2x 4 SP-#2
SL 0.05 2x 4 SP-#2
PB --- 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 46- 6- 0
BC Cont. 0- 0- 0 46- 6- 0
WB 1 rows CLB on J -Q
Attach CLB with (2)-10d nails
at each web.

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 40.0
Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

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

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
M	1804	344	3- 8	1-15
			Hz =	-177
F	1913	338	4-15	2- 2
D	259	157	3- 8	1- 8
			Hz =	157

Membr	CSI	P Lbs	Ax1	CSI-Bnd
-----Top Chords-----				
A -T	0.10	101 T	0.00	0.10
T -N	0.44	290 T	0.05	0.39
N -P	0.40	1135 C	0.01	0.39
P -B	0.38	1148 C	0.01	0.37
B -Q	0.31	1145 C	0.01	0.30
Q -C	0.31	1726 C	0.01	0.30
C -R	0.40	2101 C	0.06	0.34
R -S	0.65	806 T	0.13	0.52
S -D	0.63	630 T	0.11	0.52
-----Bottom Chords-----				
A -M	0.22	191 C	0.00	0.22
M -K	0.22	191 C	0.00	0.22
K -J	0.30	1014 T	0.10	0.20
J -I	0.37	1556 T	0.26	0.11

I -H	0.44	2064 T	0.34	0.10
H -G	0.29	1062 T	0.17	0.12
G -F	0.55	1062 T	0.17	0.38
F -D	0.38	606 C	0.00	0.38
-----Webs-----				
M -N	0.20	1536 C		
N -K	0.24	1314 T		
K -P	0.20	399 C		
P -J	0.10	119 C		
J -B	0.12	691 T		
J -Q	0.19	787 C		1 Br
I -Q	0.08	499 T		
I -C	0.30	637 C		
H -C	0.05	282 C		
H -R	0.19	1074 T		
G -R	0.02	141 T		
R -F	0.53	2277 C		
F -S	0.04	427 C		
-----Sliders-----				
A -T	0.05	314 T		

TL Defl -0.21" in F -D L/468
LL Defl -0.08" in F -D L/999
LL Cant 0.01" in A -M L/999
Shear // Grain in S -D 0.32

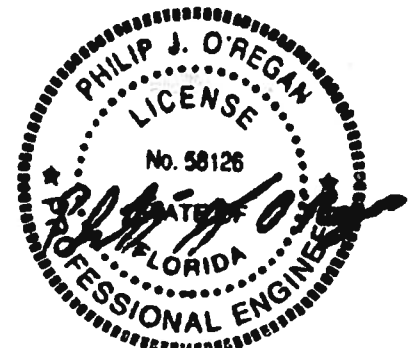
Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate -	LOCK 20 Ga, Gross Area
Plate -	RHS 20 Ga, Gross Area
Jt Type	Plt Size X Y JSI
A LOCK	3.0x12.0 3.9 0.8 0.74
A LOCK	2.0x 4.0 Ctr Ctr 0.00
T LOCK	3.0x 4.0 Ctr Ctr 0.69
N LOCK	5.0x 7.0-0.2 0.5 0.84
P LOCK	3.0x 7.0 Ctr Ctr 0.48
B LOCK	5.0x 7.0 Ctr-0.3 0.74
Q LOCK	3.0x 7.0 Ctr Ctr 0.48
C LOCK	6.0x 6.0 Ctr Ctr 0.86
R LOCK	4.0x 8.0 Ctr Ctr 0.92
S LOCK	5.0x 7.0 0.1 0.5 0.86
D LOCK	5.0x 7.0-9.2 2.3 0.89
M LOCK	2.0x 4.0 Ctr Ctr 0.52
K LOCK	5.0x 7.0 Ctr-0.5 0.86
J LOCK	4.0x 8.0 Ctr Ctr 0.46
I LOCK	5.0x 7.0 Ctr-0.5 0.86
H LOCK	3.0x 7.0 Ctr Ctr 0.52
G LOCK	5.0x 7.0 Ctr-0.5 0.86
F LOCK	3.0x 7.0 Ctr Ctr 0.62

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
37-11-12 46- 6- 0
Max comp. force 2277 Lbs
Quality Control Factor 1.25

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



REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055

KH-MAYFAIR36

Mark
A4

Qua
3

Type
SP

Span
460600

P1-H1
2.5

Left OH
2- 0- 0

Right OH
2- 0- 0

Engineering
T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Scale: 0.133" = 1'

Chord	Scale	Interval	Frequency	Amplitude	Phase	Velocity
P	-N	0.22	193	C	0.00	0.22
N	-M	0.30	820	T	0.08	0.22
M	-H	0.13	67	C	0.00	0.13
G	-Y	0.32	1219	T	0.12	0.20
Y	-E	0.35	1273	T	0.21	0.14
F	-J	0.06	74	C	0.00	0.06
J	-I	0.28	222	C	0.00	0.28
I	-D	0.34	222	C	0.00	0.34
-----Chord-Web-----						
H	-G	0.11	3	C	0.00	0.11
G	-T	0.07	201	C	0.01	0.06
F	-E	0.12	34	T	0.00	0.12
E	-V	0.08	279	C	0.00	0.08

P	LOCK	2.0x	4.0	Ctr	Ctr	0.52
N	LOCK	5.0x	7.0	Ctr	-0.5	0.86
M	LOCK	4.0x	8.0	Ctr	Ctr	0.51
H	LOCK	2.0x	4.0	Ctr	Ctr	0.64
G	LOCK	5.0x	9.0	Ctr	0.8	0.74
Y	LOCK	3.0x	7.0	Ctr	Ctr	0.44
E	LOCK	5.0x	9.0	Ctr	0.7	0.74
F	LOCK	2.0x	4.0	Ctr	Ctr	0.64
J	LOCK	4.0x	8.0	Ctr	Ctr	0.56
I	LOCK	2.0x	4.0	Ctr	Ctr	0.52

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

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

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

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

A circular professional engineer seal for Philip J. O'Regan. The outer ring contains the text "PHILIP J. O'REGAN" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top and "FLORIDA" is at the bottom. The center of the seal displays the license number "No. 58126". A large, stylized signature is written across the seal, overlapping the "LICENSE", "No. 58126", and "FLORIDA" text.

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

	CSI	-Size-	----Lumber----
TC	0.65	2x 4	SP-#2
BC	0.35	2x 4	SP-#2
CW	0.12	2x 4	SP-#2
WB	0.42	2x 4	SP-#2
SL	0.05	2x 4	SP-#2
PB	---	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0 46-	6- 0
BC Cont.	0- 0- 0 46-	6- 0
WB 1 rows CLB on S -M		
WB 1 rows CLB on M -B		
Attach CLB with (2)-10d nails at each web.		

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber	Duration Factor		1.25
Plate	Duration Factor		1.25
TC Fb=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

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

Jt	React Lbs	Uplift Lbs	Size In-Sx	Req'd In-Sx
P	1621	314	3- 8 Hz =	1-12 -177
J	1973	403	3- 8	2- 2
D	382	184	3- 8 Hz =	1- 8 157

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A - Z	0.10	101	T	0.00	0.10
Z - Q	0.43	292	T	0.05	0.38
Q - S	0.39	917	C	0.00	0.39
S - B	0.39	867	C	0.00	0.39
B - T	0.11	1106	C	0.00	0.11
T - U	0.17	1105	C	0.01	0.16
U - C	0.21	1418	C	0.01	0.20
C - V	0.21	139	C	0.00	0.21
V - W	0.21	128	C	0.00	0.21
W - X	0.65	1109	T	0.18	0.47
X - D	0.48	314	T	0.01	0.47
-----Bottom Chords-----					
A - P	0.22	193	C	0.00	0.22

```

TL Defl  -0.16" in I -D  L/867
LL Defl  -0.07" in I -D  L/999
Shear // Grain in X -D    0.30

```

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

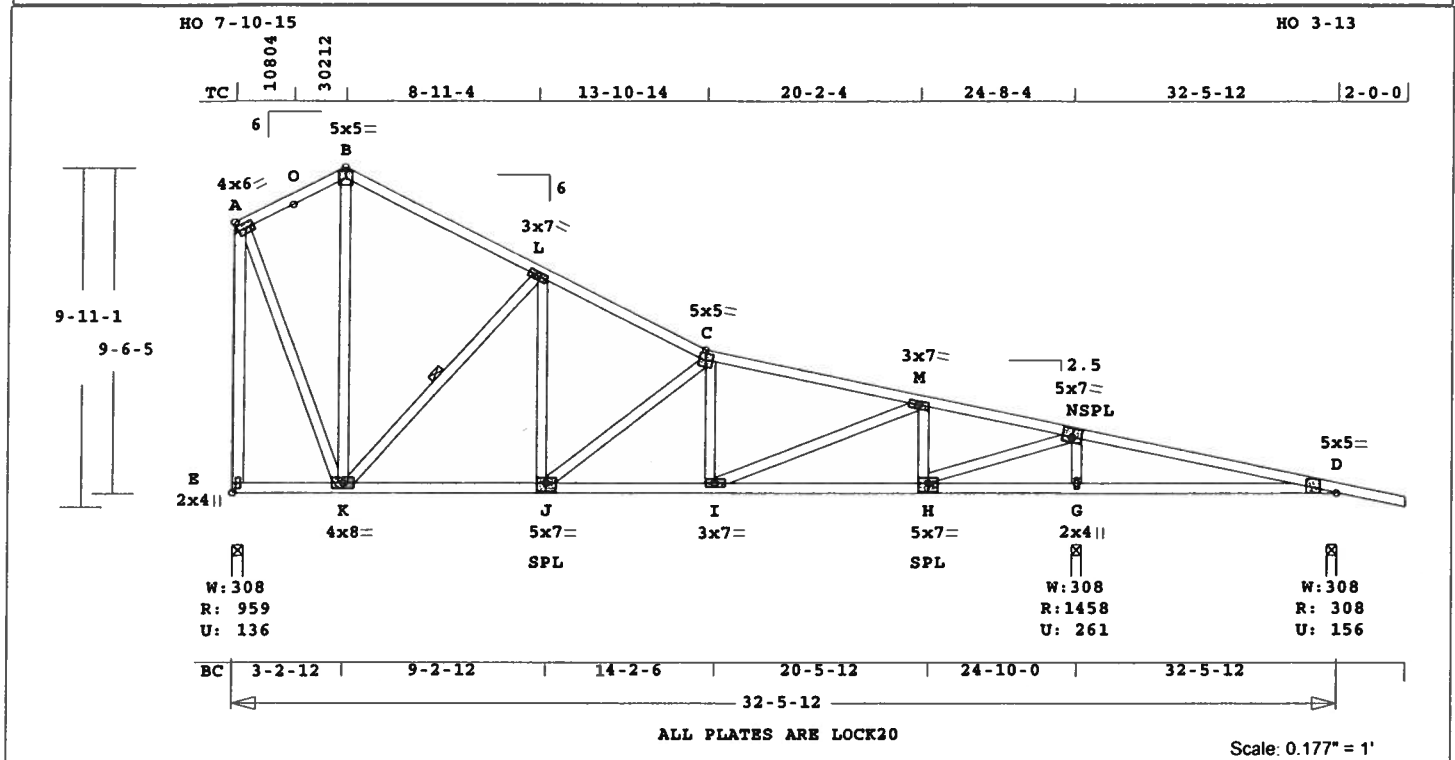
Plate	LOCK	20 Ga	Gross Area
Plate	RHS	20 Ga	Gross Area
Jt	Type	Plt Size	X Y JSI
A	LOCK	3.0x12.0	3.9 0.8 0.74
A	LOCK	2.0x 4.0	Ctr Ctr 0.00
Z	LOCK	3.0x 4.0	Ctr Ctr 0.69
S	LOCK	5.0x 7.0	-0.2 0.5 0.84
Q	LOCK	3.0x 7.0	Ctr Ctr 0.48
B	LOCK	5.0x 7.0	0.5-0.6 0.97
T	LOCK	2.0x 4.0	Ctr Ctr 0.24
U	LOCK	3.0x 7.0	Ctr Ctr 0.56
C	LOCK	6.0x 6.0	Ctr Ctr 0.86
V	LOCK	2.0x 4.0	Ctr Ctr 0.32
W	LOCK	3.0x 7.0	Ctr Ctr 0.51
X	LOCK	5.0x 7.0	-0.1 0.5 0.86
D	LOCK	5.0x 7.0	-9.2 2.3 0.89

Job	Mark	Quan	Type	Span	*P1-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	A4	3	SP	460600	2.5	2- 0- 0	2- 0- 0	T06070087
U# J#KH-MAYFAIR36 MAYFAIR - LOT 36								

Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 Zone location: Exterior
 TC Dead Load : 5.0 psf
 BC Dead Load : 5.0 psf
 User-defined wind-exposed BC
 regions --From-- ---To---
 34- 4- 4 46- 6- 0
 Max comp. force 1418 Lbs
 Quality Control Factor 1.25

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	A5	2	PCH3	320512	6	0	2- 0- 0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 249.2 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

CSI -Size- ---Lumber---
TC 0.54 2x 4 SP-#2
BC 0.37 2x 4 SP-#2
WB 0.70 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 32- 5-12
BC Cont. 0- 0- 0 32- 5-12
WB 1 rows CLB on K -L
Attach CLB with (2)-10d nails
at each web.

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 40.0
Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
E	959	137	3- 8	1- 8
			Hz =	-291
G	1458	261	3- 8	1- 9
D	309	156	3- 8	1- 8
			Hz =	121

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.12		313 C	0.00	0.12
B -L	0.33		332 C	0.00	0.33
L -C	0.33		962 C	0.00	0.33
C -M	0.34		1493 C	0.03	0.31
M -N	0.49		1192 C	0.01	0.48
N -D	0.54		353 T	0.06	0.48
-----Bottom Chords-----					
E -K	0.14		215 T	0.00	0.14

K -J	0.23	874 T	0.09	0.14
J -I	0.34	1463 T	0.24	0.10
I -H	0.31	1160 T	0.19	0.12
H -G	0.32	336 C	0.00	0.32
G -D	0.37	336 C	0.00	0.37
-----Webs-----				
E -A	0.70	939 C	WindLd	
A -K	0.14	776 T		
K -B	0.02	127 T		
K -L	0.21	858 C		1 Br
J -L	0.10	552 T		
J -C	0.35	738 C		
I -C	0.02	134 T		
I -M	0.06	326 T		
H -M	0.05	472 C		
H -N	0.29	1591 T		
G -N	0.12	1257 C		

TL Defl -0.15" in G -D L/574
LL Defl -0.06" in G -D L/999
Shear // Grain in N -D 0.30

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate - LOCK	20 Ga, Gross Area			
Plate - RHS	20 Ga, Gross Area			
Jt Type	Plt Size	X	Y	JSI
A LOCK	4.0x 6.0	0.1	Ctr	0.68
B LOCK	5.0x 5.0	Ctr	Ctr	0.64
L LOCK	3.0x 7.0	Ctr	Ctr	0.49
C LOCK	5.0x 5.0	Ctr	Ctr	0.86
M LOCK	3.0x 7.0	Ctr	Ctr	0.39
N LOCK	5.0x 7.0	0.1	0.5	0.71
D LOCK	5.0x 5.0-8.2	2.3	0.87	
E LOCK	2.0x 4.0	Ctr	Ctr	0.46
K LOCK	4.0x 8.0	Ctr	Ctr	0.51
J LOCK	5.0x 7.0	Ctr	0.5	0.71
I LOCK	3.0x 7.0	Ctr	Ctr	0.47
H LOCK	5.0x 7.0	Ctr	0.5	0.71
G LOCK	2.0x 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 a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
User-defined wind-exposed BC
regions --From-- --To--
24-10- 0 32- 5-12
Max comp. force 1493 Lbs
Quality Control Factor 1.25

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



KH-MAYFAIR36

Mark
A6

Quan
1

Type
SP

Span
340600

P1-HI
6

Left OH
2- 0- 0

Right OH
2- 0- 0

Engineering
T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Scale: 0.140" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 293.5 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

	CSI	-Size-	----Lumber----
TC	0.46	2x 4	SP-#2
BC	0.61	2x 4	SP-#2
CW	0.30	2x 4	SP-#2
WB	0.54	2x 4	SP-#2
EX C - T		2x 8	SP-#2
SL	0.02	2x 6	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	34- 6- 0
BC Cont.	0- 0- 0	34- 6- 0
WB 1 rows CLB on M -I		
WB 1 rows CLB on I -B		
Attach CLB with (2)-10d nails at each web.		

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber	Duration	Factor	1.25
Plate	Duration	Factor	1.25
TC Fb=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

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

Jt	React Lbs	Uplft Lbs	Size In-Sx	Req'd In-Sx
Q	1711	334	3- 8 Hz =	1-13 -184
C	1305	172	3- 8 Hz =	1- 9 199

Membr	CSI	P Lbs	Axl-CSI-Bnd	
-----Top Chords-----				
A - U	0.18	56 T	0.01	0.17
U - R	0.44	250 T	0.04	0.40
R - M	0.40	1023 C	0.00	0.40
M - B	0.38	1005 C	0.00	0.38
B - N	0.25	1339 C	0.01	0.24
N - O	0.45	1326 C	0.01	0.44
O - P	0.46	2036 C	0.02	0.44
P - T	0.11	2876 C	0.06	0.05
T - T	0.00	4 T		
-----Bottom Chords-----				
A - Q	0.24	185 C	0.00	0.24
Q - J	0.24	185 C	0.00	0.24
J - I	0.30	915 T	0.09	0.21
I - G	0.13	65 C	0.00	0.13

F - H	0.47	1836 T	0.30	0.17
H - E	0.61	2674 T	0.44	0.17
D - C	0.05	147 T	0.01	0.04
-----Chord-Webs-----				
G - F	0.11	6 C	0.00	0.11
F - N	0.12	288 C	0.04	0.08
D - E	0.30	46 T	0.00	0.30
E - P	0.23	315 T	0.05	0.18
-----Webs-----				
Q - R	0.19	1423 C		
R - J	0.22	1198 T		
J - M	0.17	356 C		
M - I	0.02	122 C		1 Br
I - B	0.08	295 C		1 Br
I - F	0.18	992 T		
B - F	0.21	1190 T		
F - O	0.54	762 C		
H - O	0.05	381 T		
H - P	0.38	847 C		
E - T	0.47	2592 T		
E - C	0.01	159 C		
C - T	0.05	1084 C	WindLd	
-----Sliders-----				
A - U	0.02	153 T		

TL Defl	-0.23"	in H	-E	L/999
LL Defl	-0.11"	in H	-E	L/999
LL Cant	-0.01"	in A	-Q	L/999
Shear //	Grain	in O	-P	0.25

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gr

Plate	Type	RHS	20 Ga.	Gross Area		
Jt	Plt	Size	X	Y		
				JSI		
A	LOCK	3.0x	9.0	1.5	0.3	0.89
U	LOCK	3.0x	4.0	Ctr	Ctr	0.81
R	LOCK	5.0x	7.0	-0.2	0.5	0.72
M	LOCK	3.0x	7.0	Ctr	Ctr	0.44
B	LOCK	5.0x	7.0	0.5	-0.6	0.83
N	LOCK	2.0x	4.0	Ctr	Ctr	0.24
O	LOCK	5.0x	7.0	0.2	0.5	0.72
P	LOCK	3.0x	7.0	Ctr	Ctr	0.37
T	LOCK	4.0x	6.0	0.4	-0.2	0.76
Q	LOCK	2.0x	4.0	Ctr	Ctr	0.44
J	LOCK	5.0x	7.0	Ctr	-0.5	0.73
I	LOCK	4.0x	8.0	Ctr	Ctr	0.46
G	LOCK	2.0x	4.0	Ctr	Ctr	0.58
F#	LOCK	5.0x10.0	Ctr	0.8	0.63	
H	LOCK	3.0x	7.0	Ctr	Ctr	0.84
E#	LOCK	5.0x10.0	Ctr	0.8	0.71	
D	LOCK	2.0x	4.0	Ctr	Ctr	0.58
C	LOCK	4.0x	6.0	Ctr	Ctr	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 a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 2876 Lbs

```

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



Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
KH-MAYFAIR36	A6	1	SP	340600	6	2- 0- 0	2- 0- 0	T06070087
U# J#KH-MAYFAIR36 MAYFAIR - LOT 36								

Quality Control Factor 1.25

KH-MAYFAIR36

Mark
A7

Quar
1

Type
SP

Span
340600

P1-H1
6

Left OH
2- 0- 0

Right OH
2- 0- 0

Engineering
T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Scale: 0.140" = 1'

TRUSS WEIGHT: 293.3 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

	CSI	-Size-	----Lumber----
TC	0.46	2x 4	SP-#2
BC	0.61	2x 4	SP-#2
CW	0.30	2x 4	SP-#2
WB	0.54	2x 4	SP-#2
EX C -T		2x 8	SP-#2
SL	0.02	2x 6	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	34- 6- 0
BC Cont.	0- 0- 0	34- 6- 0
WB 1 rows CLB on M -I		
WB 1 rows CLB on I -B		
Attach CLB with (2)-10d nails at each web.		

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25
TC Fb=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

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

Jt	React Lbs	Uplift Lbs	Size In-Sx	Req'd In-Sx
Q	1711	334	3- 8 Hz =	1-13 -184
C	1305	172	3- 8 Hz =	1- 9 199

Membr	CSI	P Lbs	Axl1-CSI-Bnd
-----Top Chords-----			
A -U	0.18	56 T	0.01 0.17
U -R	0.44	250 T	0.04 0.40
R -M	0.40	1023 C	0.00 0.40
M -B	0.38	1005 C	0.00 0.38
B -N	0.25	1339 C	0.01 0.24
N -O	0.45	1326 C	0.01 0.44
O -P	0.46	2036 C	0.02 0.44
P -T	0.11	2876 C	0.06 0.05
T -T	0.00	4 T	
-----Bottom Chords-----			
A -Q	0.24	185 C	0.00 0.24
Q -J	0.24	185 C	0.00 0.24
J -I	0.30	915 T	0.09 0.21

I	-G	0.13	65	C	0.00	0.13
F	-H	0.47	1836	T	0.30	0.17
H	-E	0.61	2674	T	0.44	0.17
D	-C	0.05	147	T	0.01	0.04

-----Chord-Web-----				
G - F	0.11	6 C	0.00	0.11
F - N	0.12	288 C	0.04	0.08
D - E	0.30	46 T	0.00	0.30
E - P	0.23	315 T	0.05	0.18

Webs				
Q	-R	0.19	1423	C
R	-J	0.22	1198	T
J	-M	0.17	356	C

M	-I	0.02	122	C		1 Br
I	-B	0.08	295	C		1 Br
I	-F	0.18	992	T		
B	-F	0.21	1190	T		
F	-O	0.54	762	C		
H	-O	0.05	381	T		
H	-P	0.38	847	C		
E	-T	0.47	2592	T		
E	-C	0.01	159	C		
C	-T	0.05	1084	C	WindLd	

```
-----Sliders-----
A -U 0.02 153 T
```

TL Defl	-0.23"	in H	-E	L/999
LL Defl	-0.11"	in H	-E	L/999
LL Cant	-0.01"	in A	-Q	L/999
Shear //	Grain	in O	-P	0.25

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER

USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	LOCK	3.0x 9.0	1.5	0.3	0.89
U	LOCK	3.0x 4.0	Ctr	Ctr	0.81
R	LOCK	5.0x 7.0	0.0	0.2	0.72
M	LOCK	3.0x 7.0	Ctr	Ctr	0.44
N	LOCK	5.0x 9.0	Ctr	-0.8	0.68
B	LOCK	2.0x 4.0	Ctr	Ctr	0.24
O	LOCK	5.0x 7.0	0.2	0.5	0.72
P	LOCK	3.0x 7.0	Ctr	Ctr	0.37
T	LOCK	4.0x 6.0	0.4	-0.2	0.76
Q	LOCK	2.0x 4.0	Ctr	Ctr	0.44
J	LOCK	5.0x 7.0	Ctr	-0.5	0.73
I	LOCK	4.0x 8.0	Ctr	Ctr	0.46
G	LOCK	2.0x 4.0	Ctr	Ctr	0.58
F	LOCK	5.0x 9.0	Ctr	0.8	0.63
H	LOCK	3.0x 7.0	Ctr	Ctr	0.84
E	LOCK	5.0x 9.0	Ctr	0.8	0.83
D	LOCK	2.0x 4.0	Ctr	Ctr	0.58
C	LOCK	4.0x 6.0	Ctr	Ctr	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.

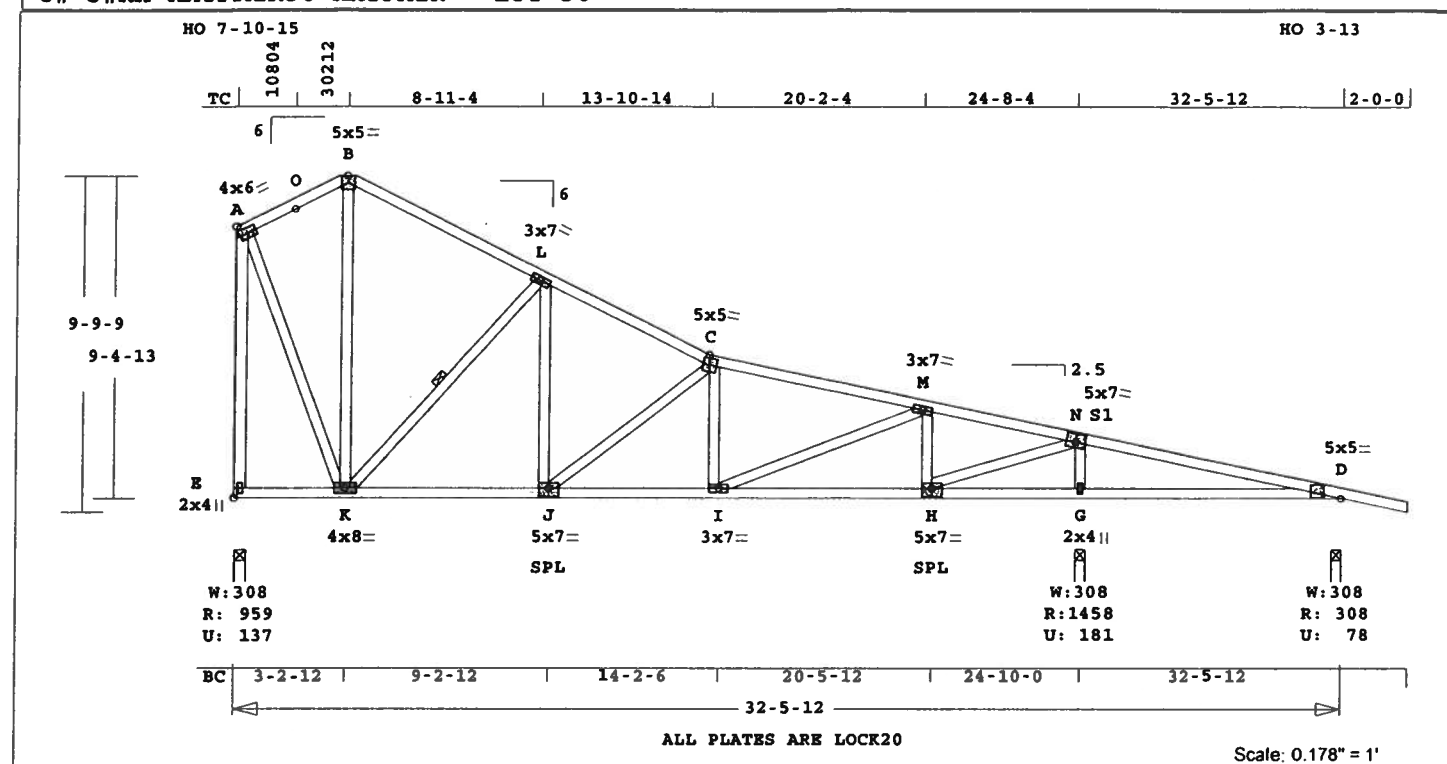
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 2876 Lbs
Quality Control Factor 1.25

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



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	A8	1	PCH3	320512	6	0	2- 0- 0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 249.0 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

CSI -Size- ---Lumber---
TC 0.54 2x 4 SP-#2
BC 0.37 2x 4 SP-#2
WB 0.70 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0- 0- 0 32- 5-12
BC Cont. 0- 0- 0 32- 5-12
WB 1 rows CLB on K -L
Attach CLB with (2)-10d nails
at each web.

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 40.0
Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
E	959	138	3- 8	1- 8
			Hz =	-291
G	1458	181	3- 8	1- 9
D	309	79	3- 8	1- 8
			Hz =	122

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -B	0.12	313 C	0.00	0.12
B -L	0.33	332 C	0.00	0.33
L -C	0.33	962 C	0.00	0.33
C -M	0.34	1493 C	0.03	0.31
M -S1	0.49	1192 C	0.01	0.48
S1 -D	0.54	353 T	0.06	0.48
-----Bottom Chords-----				
E -K	0.14	215 T	0.00	0.14

K -J	0.23	874 T	0.09	0.14
J -I	0.34	1463 T	0.24	0.10
I -H	0.31	1160 T	0.19	0.12
H -G	0.32	336 C	0.00	0.32
G -D	0.37	336 C	0.00	0.37
-----Webs-----				
E -A	0.70	939 C	WindLd	
A -K	0.14	776 T		
K -B	0.02	127 T		
K -L	0.21	858 C		1 Br
J -L	0.10	552 T		
J -C	0.35	738 C		
I -C	0.02	134 T		
I -M	0.06	326 T		
H -M	0.05	472 C		
H -S1	0.29	1591 T		
G -S1	0.12	1257 C		

TL Defl -0.15" in G -D L/574
LL Defl -0.06" in G -D L/999
Shear // Grain in S1-D 0.30

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Jt Type	Plt Size	X	Y	JSI
A LOCK	4.0x 6.0	0.1	Ctr	0.68
B LOCK	5.0x 5.0	Ctr	0.1	0.65
L LOCK	3.0x 7.0	Ctr	Ctr	0.49
C LOCK	5.0x 5.0	Ctr	Ctr	0.86
M LOCK	3.0x 7.0	Ctr	Ctr	0.39
S1 LOCK	5.0x 7.0	0.1	0.5	0.71
D LOCK	5.0x 5.0	8.2	2.3	0.87
E LOCK	2.0x 4.0	Ctr	Ctr	0.46
K LOCK	4.0x 8.0	Ctr	Ctr	0.51
J LOCK	5.0x 7.0	Ctr	0.5	0.71
I LOCK	3.0x 7.0	Ctr	Ctr	0.47
H LOCK	5.0x 7.0	Ctr	0.5	0.71
G LOCK	2.0x 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 a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

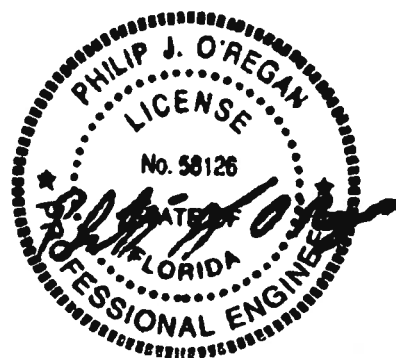
Max comp. force 1493 Lbs

Quality Control Factor 1.25

Truss Design Engineer: Philip J. O'Regan

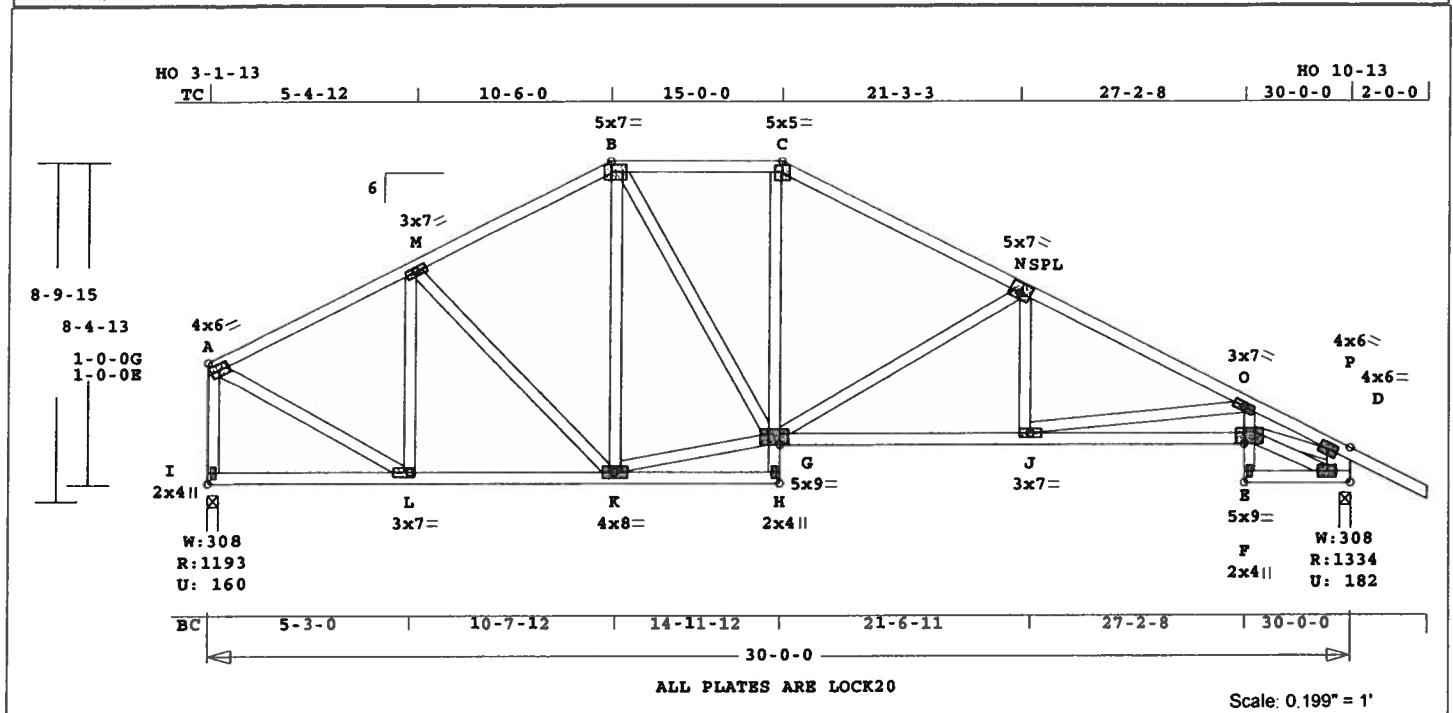
License #: 58126

Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	A9	1	SP	300000	6	0	2- 0- 0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 259.6 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

CSI	-Size-	----	Lumber----
TC	0.44	2x 4	SP-#2
BC	0.62	2x 4	SP-#2
CW	0.31	2x 4	SP-#2
WB	0.54	2x 4	SP-#2
EX D	-P	2x 8	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	30- 0- 0
BC Cont.	0- 0- 0	30- 0- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25
TC Fb=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
I	1194	160	3- 8	1- 8
			Hx =	-205
D	1334	182	3- 8	1- 9
			Hx =	166

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -M	0.31	1050	C	0.00 0.31
M -B	0.32	1124	C	0.01 0.31
B -C	0.12	1239	C	0.01 0.11
C -N	0.43	1399	C	0.01 0.42
N -O	0.44	2104	C	0.02 0.42
O -P	0.11	2955	C	0.06 0.05
P -P	0.00	4	T	
-----Bottom Chords-----				
I -L	0.17	168	T	0.00 0.17
L -K	0.26	953	T	0.09 0.17
K -H	0.13	73	C	0.00 0.13
G -J	0.47	1896	T	0.31 0.16

J	-E	0.62	2747	T	0.46	0.16
F	-D	0.05	151	T	0.01	0.04
-----Chord-Webs-----						
H	-G	0.12	62	T	0.00	0.12
G	-C	0.10	363	T	0.05	0.05
F	-E	0.31	46	T	0.00	0.31
E	-O	0.24	319	T	0.05	0.19
-----Webs-----						
I	-A	0.15	1149	C	WindLd	
A	-L	0.20	1097	T		
L	-M	0.16	428	C		
M	-K	0.04	93	T		
K	-B	0.14	181	C		
K	-G	0.19	1041	T		
B	-G	0.08	471	T		
G	-N	0.54	758	C		
J	-N	0.05	382	T		
J	-O	0.38	860	C		
E	-P	0.49	2663	T		
E	-D	0.01	164	C		
D	-P	0.05	1111	C	WindLd	

TL Defl -0.23" in J -E L/999
LL Defl -0.10" in J -E L/999
Shear // Grain in C -N 0.24

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	- LOCK	20 Ga,	Gross Area
Plate	- RHS	20 Ga,	Gross Area
Jt Type	Plt Size	X	Y JSI
A	LOCK	4.0x 6.0	0.1 Ctr 0.64
M	LOCK	3.0x 7.0	0.1 Ctr 0.42
B	LOCK	5.0x 7.0	0.5-0.1 0.87
C	LOCK	5.0x 5.0	0.2 Ctr-0.2 0.92
N	LOCK	5.0x 7.0	0.2 0.5 0.68
O	LOCK	3.0x 7.0	0.1 Ctr 0.36
P	LOCK	4.0x 6.0	0.4-0.2 0.80
I	LOCK	2.0x 4.0	0.1 Ctr 0.43
L	LOCK	3.0x 7.0	0.1 Ctr 0.40
K	LOCK	4.0x 8.0	0.1 Ctr 0.62
H	LOCK	2.0x 4.0	0.1 Ctr 0.58
G	LOCK	5.0x 9.0	0.1 Ctr 0.62
J	LOCK	3.0x 7.0	0.1 Ctr 0.82
E	LOCK	5.0x 9.0	0.1 Ctr 0.89
F	LOCK	2.0x 4.0	0.1 Ctr 0.58
D	LOCK	4.0x 6.0	0.1 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.

NOTES:

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

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 2955 Lbs

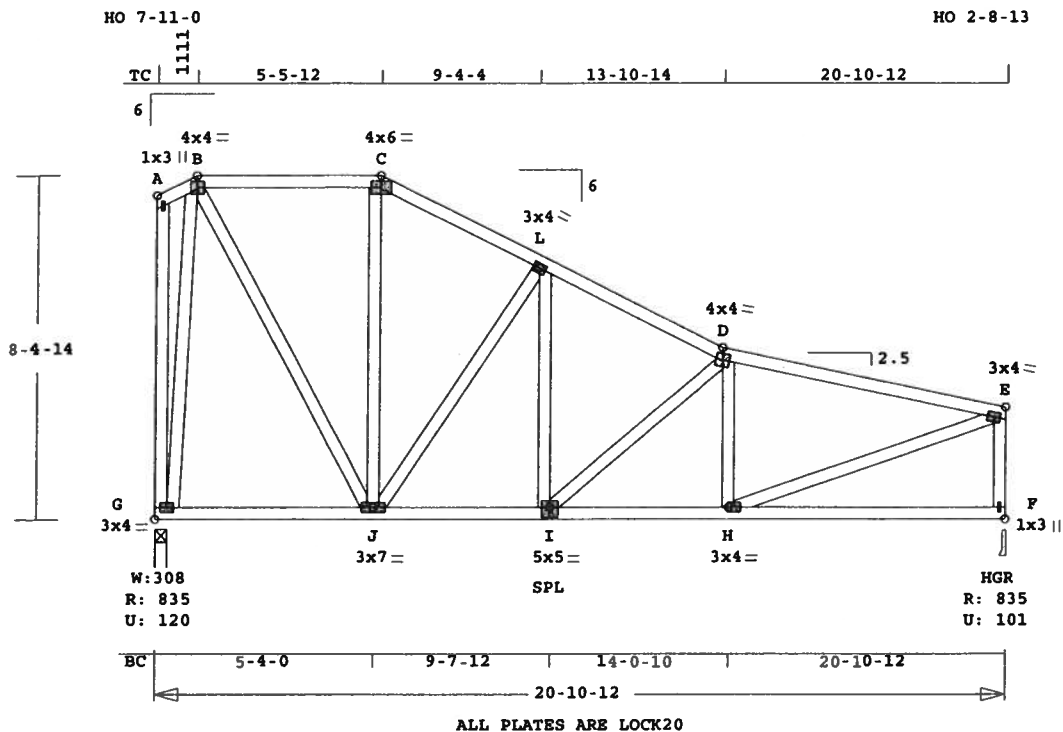
Quality Control Factor 1.25

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



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	A10	1	SP	201012	2.5	0	0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus" APPROX. TRUSS WEIGHT: 200.9 LBS

Online Plus -- Version 19.0.032 RUN DATE: 03-JUL-06

J - I	0.23	707 T	0.07	0.16	REFER TO ROBBINS ENG. GENERAL
I - H	0.35	1032 T	0.10	0.25	NOTES AND SYMBOLS SHEET FOR
H - F	0.25	127 T	0.00	0.25	ADDITIONAL SPECIFICATIONS.

CSI -Size- ----Lumber----

TC	0.52	2x 4	SP-#2
BC	0.35	2x 4	SP-#2
WB	0.60	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	20-10-12
BC Cont.	0- 0- 0	20-10-12

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
G	836	121	3- 8	1- 8
			Hz =	-271
F	836	102	3- 8	1- 8
			Hz =	160

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A - B	0.04		107 C	0.00	0.04
B - C	0.15		406 C	0.00	0.15
C - L	0.15		459 C	0.00	0.15
L - D	0.16		791 C	0.00	0.16
D - E	0.52		1043 C	0.01	0.51
-----Bottom Chords-----					
G - J	0.16		193 T	0.00	0.16

-----Webs-----

G - A	0.16	64 C	WindLd
G - B	0.60	729 C	
B - J	0.12	685 T	
J - C	0.03	82 T	
J - L	0.35	532 C	
I - L	0.06	337 T	
I - D	0.18	422 C	
H - D	0.04	240 C	
H - E	0.20	1094 T	
F - E	0.08	777 C	WindLd

TL Defl -0.14" in H -F L/999
LL Defl -0.07" in H -F L/999
Shear // Grain in D -E 0.28

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	Type	Plt Size	X	Y	JSI
Plate - LOCK 20 Ga, Gross Area					
Plate - RHS 20 Ga, Gross Area					
Jt Type					
A LOCK	1.0x 3.0	Ctr	Ctr	0.75	
B LOCK	4.0x 4.0	Ctr	Ctr	0.87	
C LOCK	4.0x 6.0	Ctr	Ctr	0.87	
L LOCK	3.0x 4.0	Ctr	Ctr	0.58	
D LOCK	4.0x 4.0	Ctr	Ctr	0.87	
E LOCK	3.0x 4.0	Ctr	Ctr	0.70	
G LOCK	3.0x 4.0	Ctr	Ctr	0.70	
J LOCK	3.0x 7.0	Ctr	Ctr	0.53	
I LOCK	5.0x 5.0	Ctr	-0.5	0.58	
H LOCK	3.0x 4.0	Ctr	Ctr	0.62	
F LOCK	1.0x 3.0	Ctr	Ctr	0.81	

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

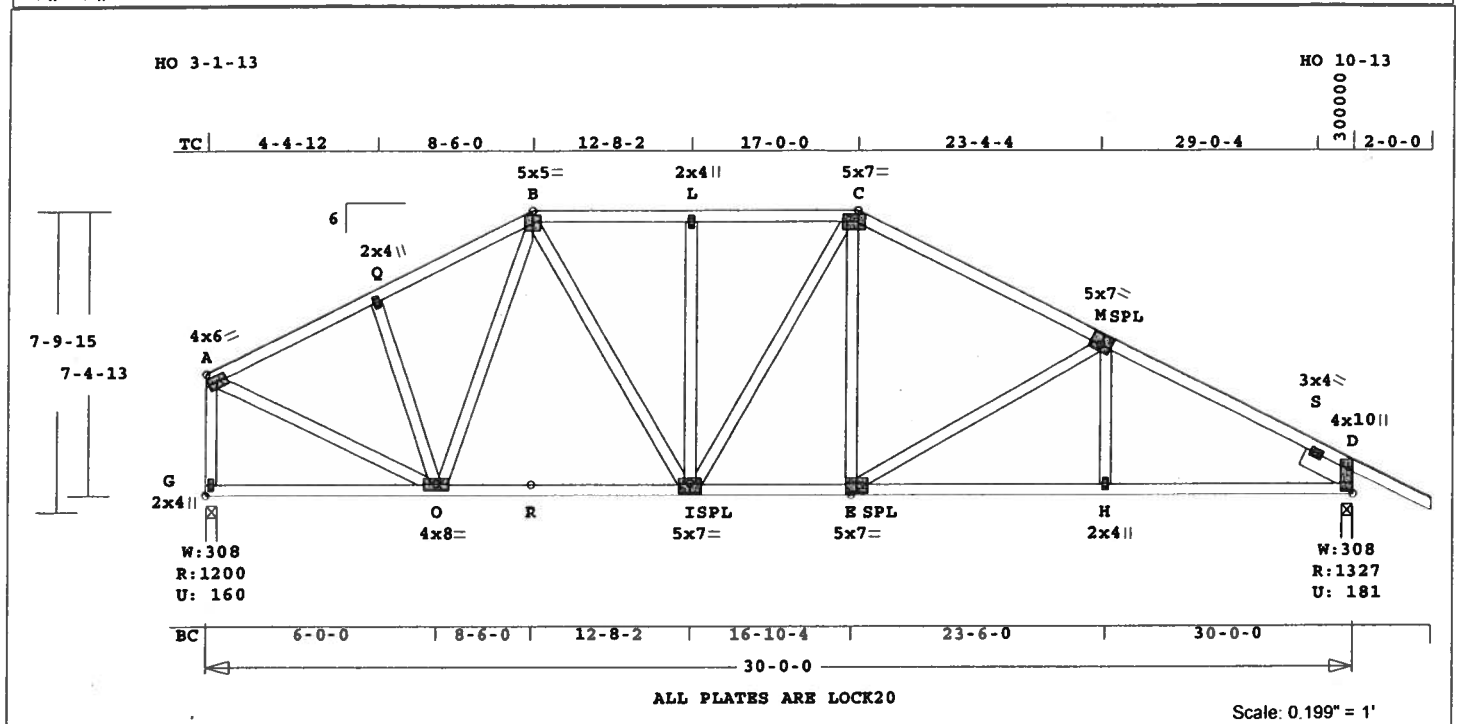
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1043 Lbs
Quality Control Factor 1.25

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



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	A11	1	HIPP	300000	6	0	2- 0- 0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 243.1 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

	CSI	Size	Lumber
TC	0.76	2x 4	SP-#2
BC	0.98	2x 4	SP-#2
WB	0.25	2x 4	SP-#2
SL	0.07	2x 6	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	30- 0- 0	0- 0- 0
BC Cont.	0- 0- 0	30- 0- 0	0- 0- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25
TC Fb=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
G	1200	161	3- 8	1- 8
			Hz =	-181
D	1328	181	3- 8	1- 9
			Hz =	128

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -Q	0.21	1167	C	0.00	0.21
Q -B	0.21	1091	C	0.00	0.21
B -L	0.16	1226	C	0.01	0.15
L -C	0.14	1226	C	0.01	0.13
C -M	0.44	1395	C	0.03	0.41
M -S	0.76	1762	C	0.02	0.74
S -D	0.74	902	C	0.00	0.74
-----Bottom Chords-----					
G -O	0.26	143	T	0.00	0.26
O -I	0.36	1004	T	0.10	0.26

	I	-E	0.36	1246	T	0.20	0.16
E -H	0.45	1552	T	0.26	0.19		
H -D	0.98	1552	T	0.26	0.72		

-----Webs-----

G -A	0.15	1151	C	WindLd
A -O	0.21	1174	T	
Q -O	0.09	272	C	
O -B	0.08	119	C	
B -I	0.07	425	T	
I -L	0.15	240	C	
I -C	0.06	80	C	
E -C	0.05	366	T	
E -M	0.25	348	C	
H -M	0.02	194	T	

-----Sliders-----

S -D	0.07	1151	C
------	------	------	---

TL Defl -0.27" in E -H L/999
LL Defl -0.12" in E -H L/999
Shear // Grain in S -S 0.60

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga	Gross Area	
Plate - RHS	20 Ga <td>Gross Area</td> <td></td>	Gross Area		
Jt Type	Plt Size	X	Y	JSI
A LOCK	4.0x 6.0	0.1	Ctr	0.64
Q LOCK	2.0x 4.0	Ctr	Ctr	0.41
B LOCK	5.0x 5.0	Ctr-0.2	0.92	
L LOCK	2.0x 4.0	Ctr	Ctr	0.41
C LOCK	5.0x 7.0	0.5-0.1	0.87	
M LOCK	5.0x 7.0	0.2	0.5	0.68
S LOCK	3.0x 4.0	Ctr	Ctr	0.76
D LOCK	4.0x10.0	-2.0	0.6	0.77
G LOCK	2.0x 4.0	Ctr	Ctr	0.43
O LOCK	4.0x 8.0	Ctr	Ctr	0.56
I LOCK	5.0x 7.0	Ctr-0.5	0.69	
E LOCK	5.0x 7.0	Ctr-0.5	0.69	
H LOCK	2.0x 4.0	Ctr	Ctr	0.41

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

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

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main
Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

Zone location: Exterior

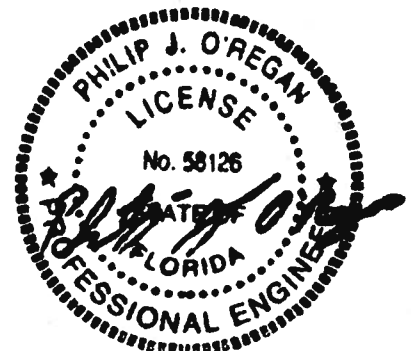
TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 1762 Lbs

Quality Control Factor 1.25

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



KH-MAYFAIR36

A12

1

SP

201012

2.5

C

0

T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Scale: 0.274" = 1'

- Webs

FBC2004

RUN DATE: 03-JUL-06

	CSI	-Size-	----Lumber----
TC	0.57	2x 4	SP-#2
BC	0.42	2x 4	SP-#2
WB	0.49	2x 4	SP-#2

O.C.	From	To
------	------	----

TC Cont.	0-	0-	0	20-10-12
BC Cont.	0-	0-	0	20-10-12

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

Jt	React Lbs	Uplft Lbs	Size In-Sx	Req'd In-Sx
F	836	127	3- 8	1- 8
			H2 =	-244
E	836	103	3- 8	1- 8
			H2 =	142

Membr	CSI	P Lbs	Axl-CSI-Bnd
-----Top Chords-----			
A -B	0.57	583 C	0.00 0.57
B -C	0.30	647 C	0.00 0.30
C -D	0.48	1054 C	0.01 0.47
-----Bottom Chords-----			
F -H	0.31	191 T	0.00 0.31
H -G	0.42	1044 T	0.11 0.31
G -E	0.26	110 T	0.00 0.26

```
F -A 0.49 774 C WindLd
A -H 0.15 820 T
H -B 0.10 163 C
H -C 0.38 528 C
G -C 0.04 240 C
G -D 0.20 1106 T
E -D 0.08 777 C WindLd
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TL Defl  -0.17" in F -H L/999
LL Defl  -0.08" in F -H L/999
Shear // Grain in A -B 0.30

```

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate -	LOCK	20 Ga,	Gross Area			
Plate -	RHS	20 Ga,	Gross Area			
Jt Type	Plt Size	X	Y	JSI		
A LOCK	3.0x	4.0	Ctr	Ctr	0.70	
B LOCK	4.0x	6.0	Ctr	Ctr	0.87	
C LOCK	4.0x	4.0	Ctr	Ctr	0.87	
D LOCK	3.0x	4.0	Ctr	Ctr	0.70	
F LOCK	1.0x	3.0	Ctr	Ctr	0.81	
H LOCK	5.0x	7.0-1.0	-0.5	0.77		
G LOCK	3.0x	4.0	Ctr	Ctr	0.63	
E LOCK	1.0x	3.0	Ctr	Ctr	0.81	

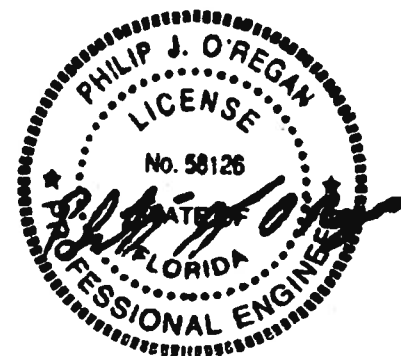
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

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

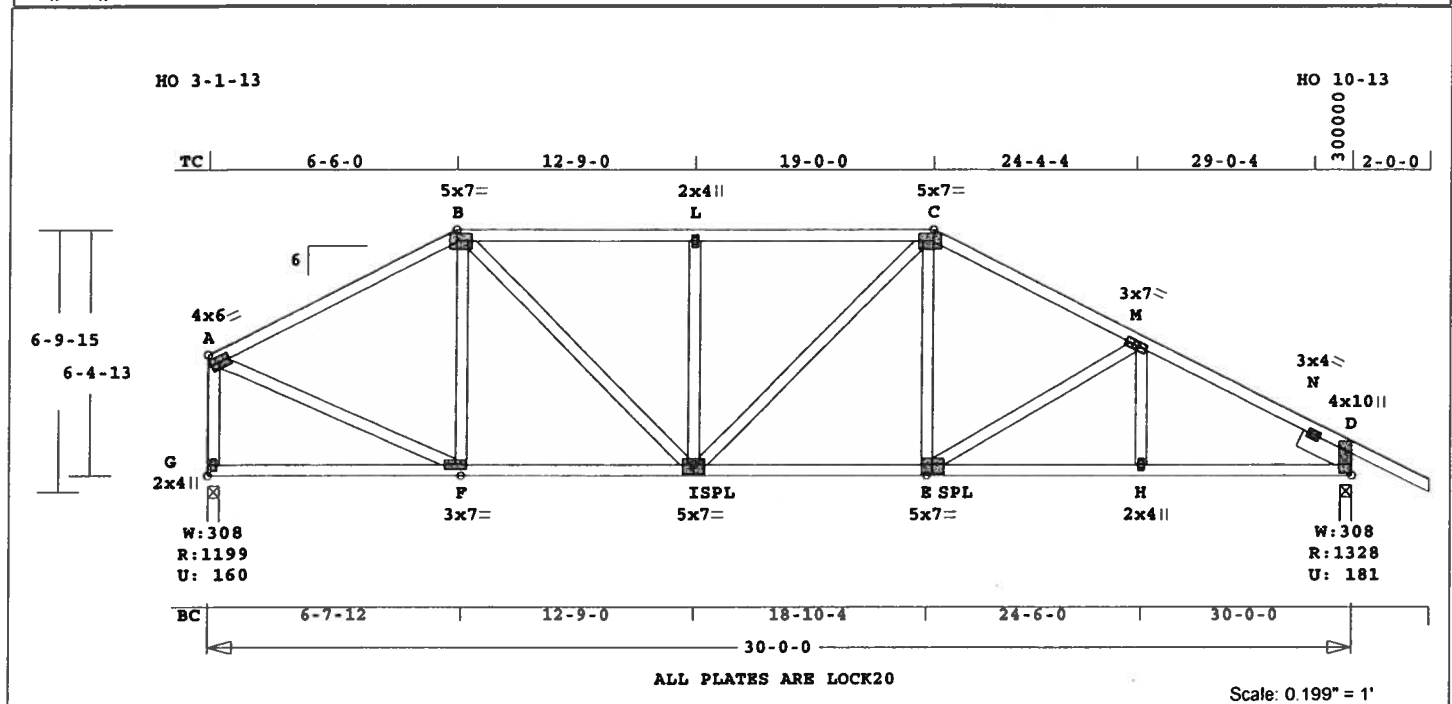
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1054 Lbs
Quality Control Factor 1.25

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



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	A13	1	HIPP	300000	6	0	2- 0- 0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 225.7 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

TC	BC	WB	SL	CSI -Size-	----Lumber----
0.74	0.96	0.20	0.07	2x 4	SP-#2
				2x 4	SP-#2
				2x 4	SP-#2
				2x 6	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	30- 0- 0
BC Cont.	0- 0- 0	30- 0- 0

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

Spacing 24.0"

Lumber Duration Factor 1.25

Plate Duration Factor 1.25

TC Fb=1.15 Fc=1.10 Ft=1.10

BC Fb=1.10 Fc=1.10 Ft=1.10

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
G	1200	161	3- 8	1- 8
			Hz =	-160
D	1328	181	3- 8	1- 9
			Hz =	108

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -B	0.50	1132 C	0.02	0.48
B -L	0.37	1450 C	0.01	0.36
L -C	0.37	1450 C	0.01	0.36
C -M	0.34	1531 C	0.02	0.32
M -N	0.74	1752 C	0.02	0.72
N -D	0.72	903 C	0.00	0.72
-----Bottom Chords-----				
G -F	0.26	123 T	0.00	0.26
F -I	0.36	1025 T	0.10	0.26

I	-E	0.39	1376 T	0.23	0.16
E	-H	0.44	1531 T	0.25	0.19
H	-D	0.96	1531 T	0.25	0.71

-----Webs-----

G	-A	0.15	1145 C	WindLd
A <td>-F</td> <td>0.20</td> <th>1117 T</th> <td></td>	-F	0.20	1117 T	
F <td>-B</td> <td>0.14</td> <th>311 C</th> <td></td>	-B	0.14	311 C	
B <td>-I</td> <td>0.11</td> <th>598 T</th> <td></td>	-I	0.11	598 T	
I <td>-L</td> <td>0.18</td> <th>386 C</th> <td></td>	-L	0.18	386 C	
I <td>-C</td> <td>0.05</td> <th>104 T</th> <td></td>	-C	0.05	104 T	
E <td>-C</td> <td>0.05</td> <th>329 T</th> <td></td>	-C	0.05	329 T	
E <td>-M</td> <td>0.09</td> <th>175 C</th> <td></td>	-M	0.09	175 C	
H <td>-M</td> <td>0.01</td> <th>122 T</th> <td></td>	-M	0.01	122 T	

-----Sliders-----

N	-D	0.07	1122 C
TL Defl	-0.24"	in E -H	L/999
LL Defl	-0.11"	in E -H	L/999
Shear //		Grain in N -N	0.58

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga,	Gross Area
Plate	RHS	20 Ga, <td>Gross Area</td>	Gross Area
Jt	Type	Plt Size	X Y JSI
A	LOCK	4.0x 6.0	0.1 Ctr 0.64
B	LOCK	5.0x 7.0	0.5-0.1 0.87
L	LOCK	2.0x 4.0	0.0 Ctr 0.41
C	LOCK	5.0x 7.0	0.5-0.1 0.87
M	LOCK	3.0x 7.0	0.0 Ctr 0.39
N	LOCK	3.0x 4.0	0.0 Ctr 0.76
D	LOCK	4.0x10.0	-2.0 0.6 0.77
G	LOCK	2.0x 4.0	0.0 Ctr 0.43
F	LOCK	3.0x 7.0	0.0 Ctr 0.44
I	LOCK	5.0x 7.0	0.0 Ctr-0.5 0.69
E	LOCK	5.0x 7.0	0.0 Ctr-0.5 0.69
H	LOCK	2.0x 4.0	0.0 Ctr 0.41

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

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

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main
Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

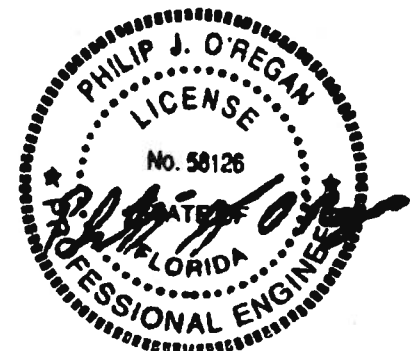
TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 1752 Lbs

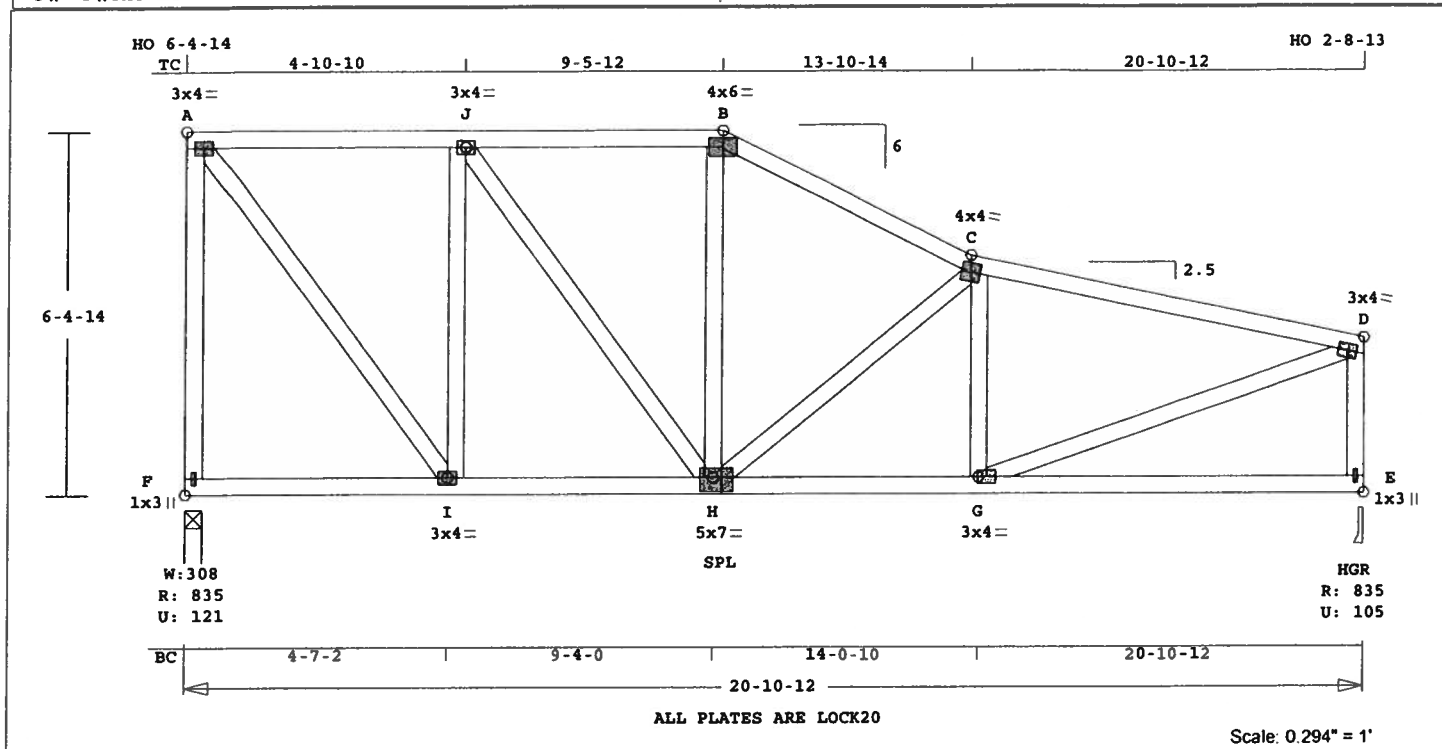
Quality Control Factor 1.25

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



Job	Mark	Quan	Type	Span	.P1-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	A14	1	SP	201012	2.5	0	0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 175.4 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

CSI -Size- ----Lumber----
TC 0.52 2x 4 SP-#2
BC 0.34 2x 4 SP-#2
WB 0.37 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0- 0- 0 20-10-12
BC Cont. 0- 0- 0 20-10-12

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
F	836	122	3- 8	1- 8
			Hz =	-208
E	836	105	3- 8	1- 8
			Hz =	126

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----
A -J 0.24 510 C 0.00 0.24
J -B 0.24 697 C 0.00 0.24
B -C 0.16 783 C 0.00 0.16
C -D 0.52 1044 C 0.01 0.51
-----Bottom Chords-----
F -I 0.14 162 T 0.00 0.14
I -H 0.19 510 T 0.05 0.14
H -G 0.34 1033 T 0.10 0.24

G -E	0.24	93 T	0.00	0.24
-----Webs-----				
F -A	0.37	796 C	WindLd	
A -I	0.15	849 T		
I -J	0.26	573 C		
J -H	0.05	310 T		
H -B	0.02	169 T		
H -C	0.19	430 C		
G -C	0.04	241 C		
G -D	0.20	1094 T		
E -D	0.08	777 C	WindLd	

TL Defl -0.14" in G -E L/999
LL Defl -0.07" in G -E L/999
Shear // Grain in C -D 0.28

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr Ctr 0.70
J LOCK 3.0x 4.0 Ctr Ctr 0.52
B LOCK 4.0x 6.0 Ctr Ctr 0.87
C LOCK 4.0x 4.0 Ctr Ctr 0.87
D LOCK 3.0x 4.0 Ctr Ctr 0.70
F LOCK 1.0x 3.0 Ctr Ctr 0.81
I LOCK 3.0x 4.0 Ctr Ctr 0.56
H LOCK 5.0x 7.0-1.0-0.5 0.58
G LOCK 3.0x 4.0 Ctr Ctr 0.62
E LOCK 1.0x 3.0 Ctr Ctr 0.81

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 a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1044 Lbs
Quality Control Factor 1.25

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

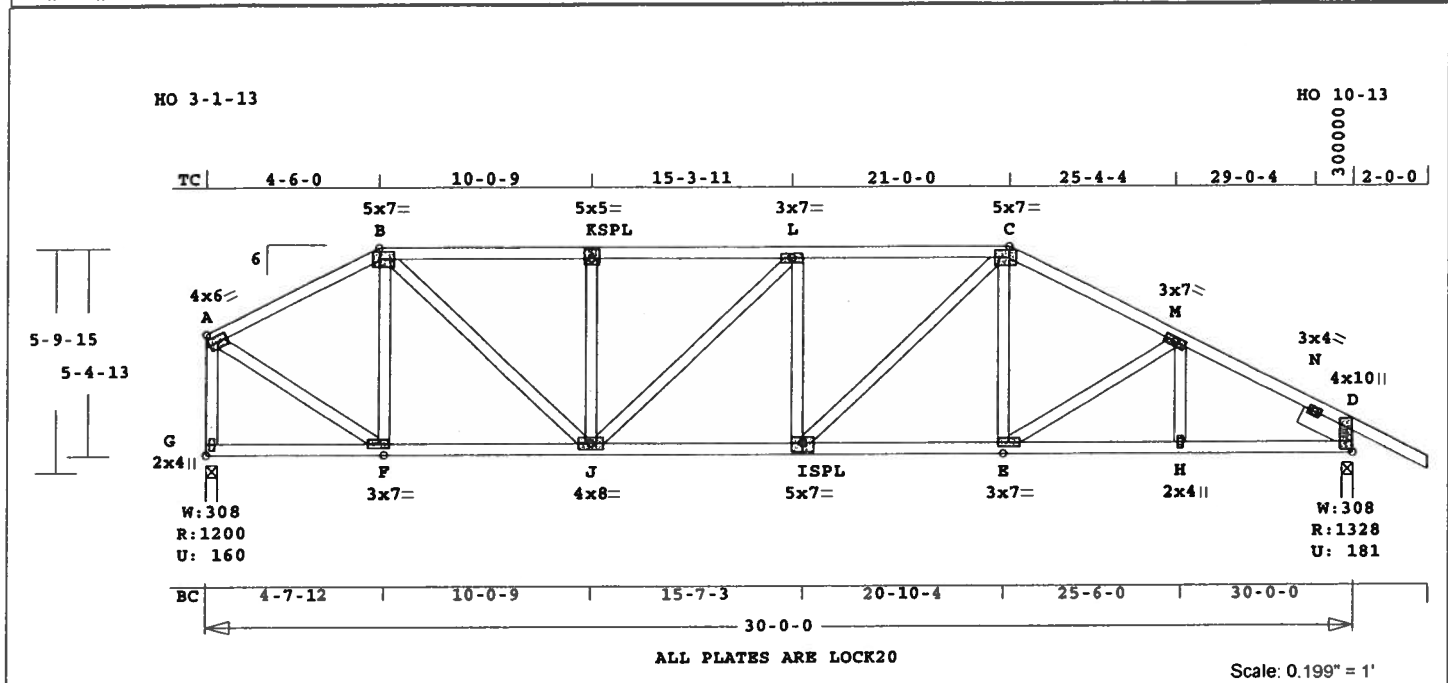


REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

Job	Mark	Quan	Type	Span	.Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	A15	1	HIPP	300000	6	0	2- 0- 0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 230.6 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

	CSI	Size	-----	Lumber	----
TC	0.69	2x 4	SP-#2		
BC	0.94	2x 4	SP-#2		
WB	0.19	2x 4	SP-#2		
SL	0.06	2x 6	SP-#2		

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	30- 0- 0	
BC Cont.	0- 0- 0	30- 0- 0	

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

Spacing 24.0"

Lumber Duration Factor 1.25

Plate Duration Factor 1.25

TC Fb=1.15 Fc=1.10 Ft=1.10

BC Fb=1.10 Fc=1.10 Ft=1.10

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
G	1200	161	3- 8	1- 8
			Hx =	-139
D	1328	181	3- 8	1- 9
			Hx =	87

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A - B	0.22	1005 C	0.01	0.21
B - K	0.25	1569 C	0.01	0.24
K - L	0.28	1569 C	0.01	0.27
L - C	0.28	1762 C	0.01	0.27
C - M	0.29	1644 C	0.02	0.27
M - N	0.69	1722 C	0.01	0.68
N - D	0.68	887 C	0.00	0.68
-----Bottom Chords-----				
G - F	0.15	102 T	0.00	0.15
F - J	0.24	913 T	0.15	0.09
J - I	0.36	1762 T	0.29	0.07

	I - E	0.37	1484 T	0.24	0.13
E - H	0.45	1489 T	0.25	0.20	
H - D	0.94	1489 T	0.25	0.69	
-----Webs-----					
G - A	0.15	1162 C	WindLd		
A - F	0.19	1076 T			
F - B	0.15	474 C			
B - J	0.16	897 T			
J - K	0.10	321 C			
K - L	0.17	265 C			
I - L	0.05	158 C			
I - C	0.07	380 T			
E - C	0.03	232 T			
E - M	0.01	58 T			
H - M	0.00	65 C			
-----Sliders-----					
N - D	0.06	1088 C			

TL Defl -0.20" in E - H L/999

LL Defl -0.10" in E - H L/999

Shear // Grain in N - N 0.54

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga,	Gross Area
Plate - LOCK	20 Ga, <td>Gross Area</td> <td></td>	Gross Area	
Jt Type	Plt Size	X Y	JSI
A LOCK	4.0x 6.0	0.1 Ctr	0.64
B LOCK	5.0x 7.0	0.5-0.1	0.87
K LOCK	5.0x 5.0	Ctr	0.5 0.69
L LOCK	3.0x 7.0	Ctr Ctr	0.43
C LOCK	5.0x 7.0	0.5-0.1	0.87
M LOCK	3.0x 7.0	Ctr Ctr	0.39
N LOCK	3.0x 4.0	Ctr Ctr	0.76
D LOCK	4.0x10.0	-2.0	0.6 0.77
G LOCK	2.0x 4.0	Ctr Ctr	0.43
F LOCK	3.0x 7.0	Ctr Ctr	0.40
J LOCK	4.0x 8.0	Ctr Ctr	0.41
I LOCK	5.0x 7.0	Ctr-0.5	0.69
E LOCK	3.0x 7.0	Ctr Ctr	0.40
H LOCK	2.0x 4.0	Ctr Ctr	0.41

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055

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

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:
FBC2004

OH Loading
Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 1762 Lbs

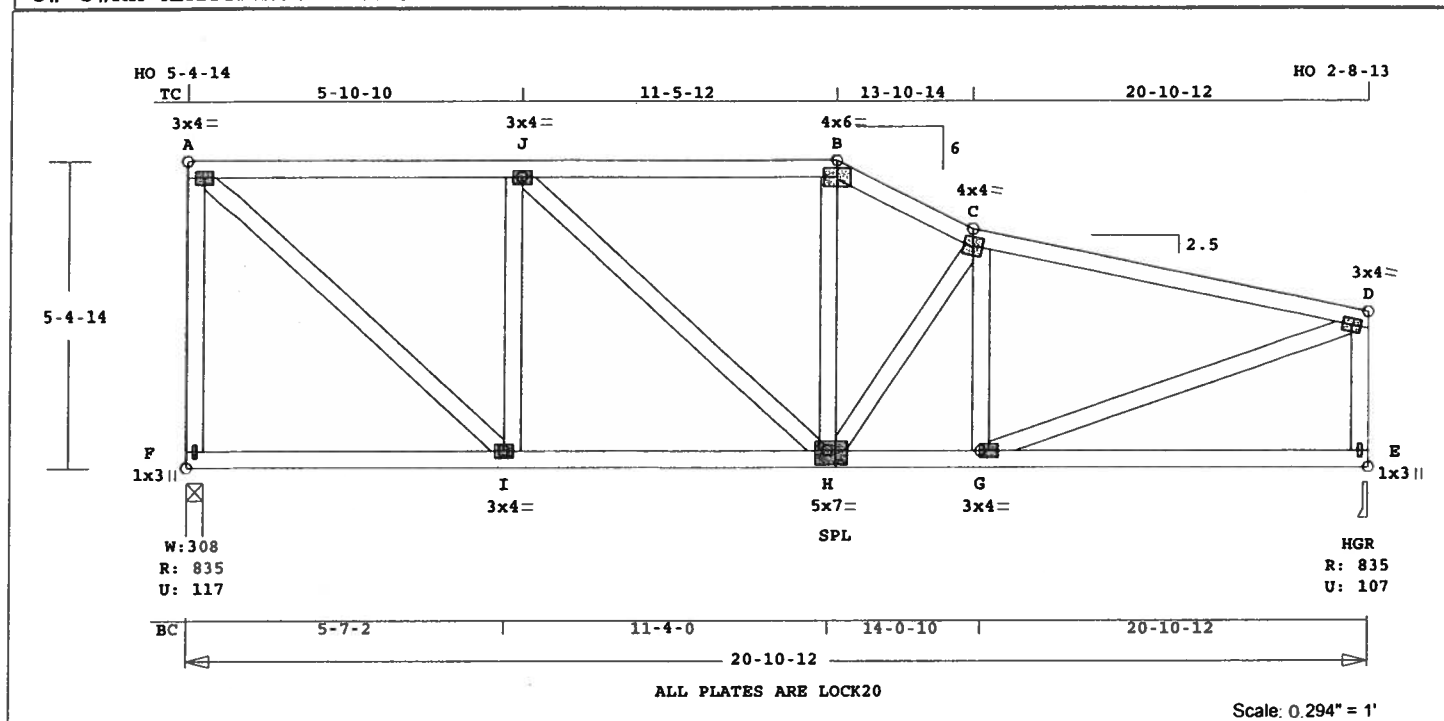
Quality Control Factor 1.25

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



Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
KH-MAYFAIR36	A16	1	SP	201012	2.5	0	0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 166.5 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

CSI -Size- ----Lumber----
TC 0.54 2x 4 SP-#2
BC 0.34 2x 4 SP-#2
WB 0.26 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	20-10-12
BC Cont.	0- 0- 0	20-10-12

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
F	836	117	3- 8	1- 8
			Hz =	-172
E	836	107	3- 8	1- 8
			Hz =	109

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -J	0.39	711 C	0.00	0.39
J -B	0.39	834 C	0.00	0.39
B -C	0.16	938 C	0.00	0.16
C -D	0.54	1037 C	0.01	0.53
-----Bottom Chords-----				
F -I	0.21	134 T	0.00	0.21
I -H	0.28	711 T	0.07	0.21
H -G	0.34	1025 T	0.10	0.24
G -E	0.24	77 T	0.00	0.24

Web	Value	Unit
F -A	0.26	788 C WindLd
A -I	0.17	964 T
I -J	0.17	517 C
J -H	0.03	165 T
H -B	0.03	229 T
H -C	0.08	330 C
G -C	0.05	250 C
G -D	0.20	1087 T
E -D	0.08	776 C WindLd

TL Defl -0.15" in G -E L/999
LL Defl -0.07" in G -E L/999
Shear // Grain in C -D 0.28

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga	Gross Area
Plate - 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
J LOCK	3.0x 4.0	Ctr	Ctr 0.52
B LOCK	4.0x 6.0	Ctr	Ctr 0.87
C LOCK	4.0x 4.0	Ctr	Ctr 0.87
D LOCK	3.0x 4.0	Ctr	Ctr 0.70
F LOCK	1.0x 3.0	Ctr	Ctr 0.81
I LOCK	3.0x 4.0	Ctr	Ctr 0.60
H LOCK	5.0x 7.0	1.0-0.5	0.58
G LOCK	3.0x 4.0	Ctr	Ctr 0.62
E LOCK	1.0x 3.0	Ctr	Ctr 0.81

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 a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 1037 Lbs
Quality Control Factor 1.25

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



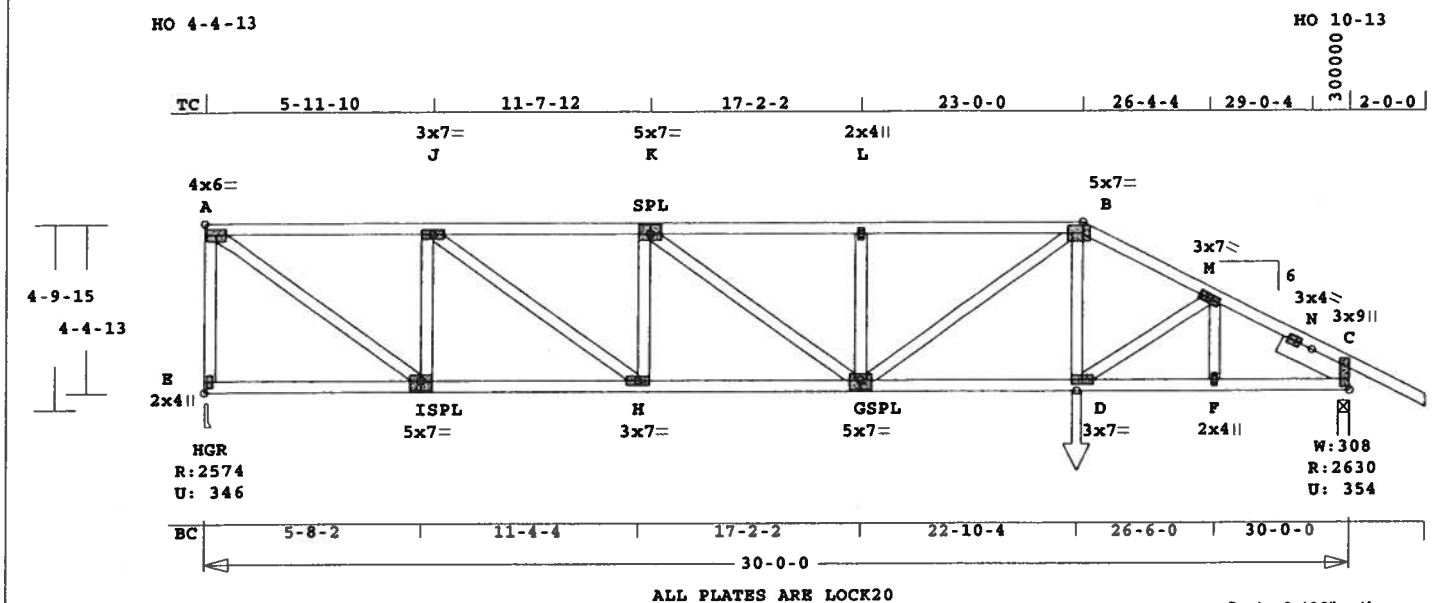
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

NOTES:
Trusses Manufactured by:

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	A17	1*2P	HHIP	300000	6	0	2- 0- 0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 222.4 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

* 2-Ply Truss *

CSI	Size	Lumber
TC	0.73 2x 4	SP-#2
BC	0.84 2x 4	SP-#2
WB	0.36 2x 4	SP-#2
SL	0.08 2x 6	SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 30- 0- 0
BC Cont. 0- 0- 0 30- 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' 30.0'
BC V 0 20 0.0' 30.0'
TC V 50 25 1.0' 23.0'
TC V -40 -20 0.0' 1.0'
BC V 0 25 1.0' 22.9'
BC V 0 -20 0.0' 1.0'
BC V 280 280 22.9' CL-LB

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

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
E	2574	346	3- 8	1- 8
			Hx =	-137
C	2630	355	3- 8	1- 9
			Hx =	62

Membr	CSI	P Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
A -J	0.45	3181 C	0.01 0.44
J -K	0.48	4795 C	0.04 0.44
K -L	0.44	5054 C	0.05 0.39
L -B	0.44	5054 C	0.05 0.39
B -M	0.43	4184 C	0.04 0.39
M -N	0.73	3713 C	0.02 0.71
N -C	0.71	1353 C	0.00 0.71
-----Bottom Chords-----			

E	-I	0.24	104 T	0.00	0.24
I <td>-H</td> <td>0.42</td> <td>3181 T</td> <td>0.18</td> <td>0.24</td>	-H	0.42	3181 T	0.18	0.24
H	-G	0.54	4795 T	0.44	0.10
G	-D	0.46	3806 T	0.35	0.11
D	-F	0.51	3117 T	0.28	0.23
F	-C	0.84	3117 T	0.28	0.56

-----Webs-----
E -A 0.13 2504 C WindLd
A -I 0.36 3927 T
I -J 0.10 2021 C
J -H 0.18 1992 T
H -K 0.04 921 C
K -G 0.02 319 T
G -L 0.04 814 C
G -B 0.14 1528 T
D -B 0.03 484 T
D -M 0.07 829 T
F -M 0.01 268 C
-----Sliders-----
N -C 0.08 2653 C

TL Defl -0.26" in H -G L/999
LL Defl -0.13" in H -G L/999
Shear // Grain in N -N 0.40

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 4.0x 6.0 Ctr Ctr 0.64
J LOCK 3.0x 7.0 Ctr Ctr 0.41
K LOCK 5.0x 7.0 Ctr 0.5 0.69
L LOCK 2.0x 4.0 Ctr Ctr 0.41
B LOCK 5.0x 7.0 0.5-0.1 0.87
M LOCK 3.0x 7.0 Ctr Ctr 0.39
N LOCK 3.0x 4.0 Ctr Ctr 0.76
C LOCK 3.0x 9.0-1.5 0.3 0.83
E LOCK 2.0x 4.0 Ctr Ctr 0.43
I LOCK 5.0x 7.0 Ctr-0.5 0.69
H LOCK 3.0x 7.0 Ctr Ctr 0.41
G LOCK 5.0x 7.0 Ctr-0.5 0.69
D LOCK 3.0x 7.0 Ctr Ctr 0.40
F LOCK 2.0x 4.0 Ctr Ctr 0.41

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

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:
FBC2004
Girder Half Hip
Framing King Jacks
Jack Open Faced
Setback 7- 0- 0

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

Rows	Nails	Screws	Bolts
TC 1	12	24	0
BC 1	12	24	0
WB 1	8	8	

Plus clusters of nails where
shown.

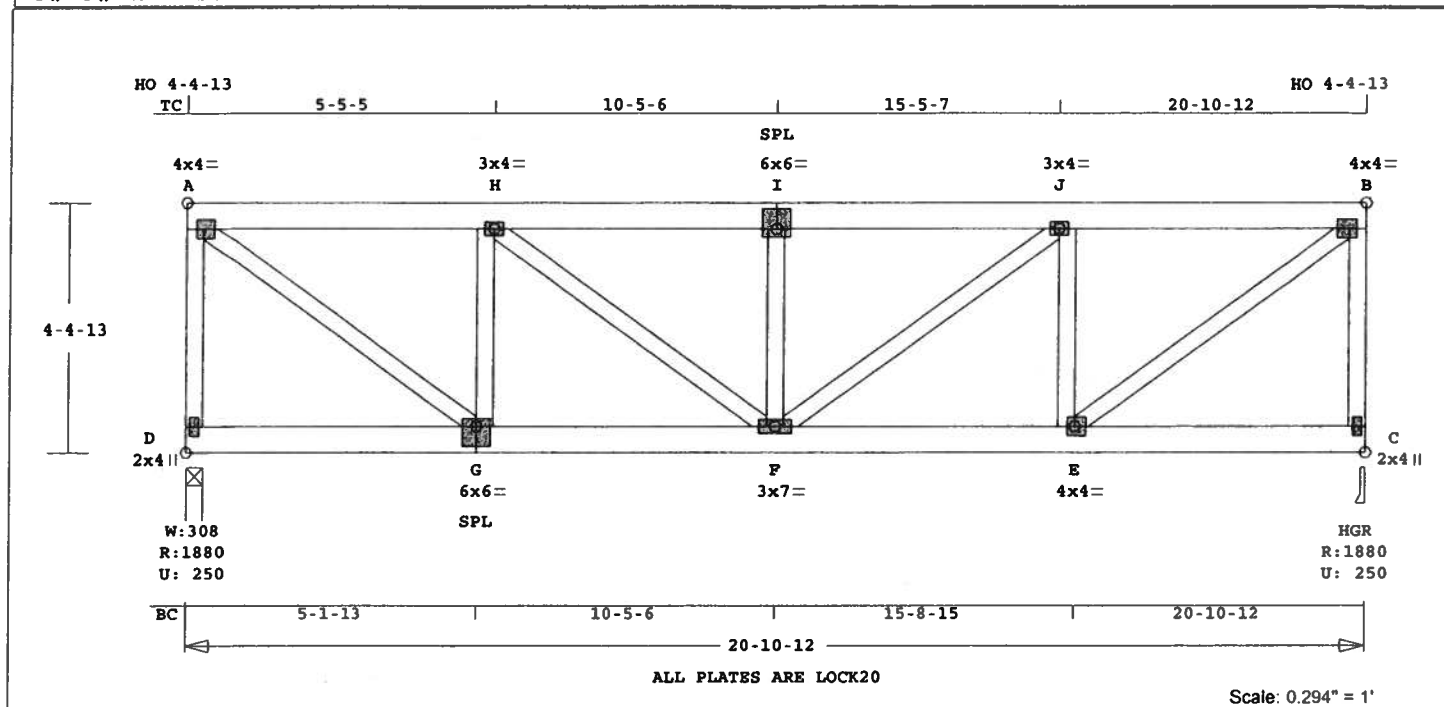
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Prevent truss rotation at all
bearing locations.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B'
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 5054 Lbs
Quality Control Factor 1.25

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



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	A18	1	FLAT	201012	40413	0	0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 196.5 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

CSI -Size- ---Lumber---
TC 0.35 2x 6 SP-#2
BC 0.34 2x 6 SP-#2
WB 0.44 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 20-10-12
BC Cont. 0- 0- 0 20-10-12

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=1.00 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 90 45 0.0' 20.9'
BC V 0 45 0.0' 20.9'

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

Jt	React	Uplft	Size	Req'd
Lbs	Lbs	In-Sx	In-Sx	
D	1881	251	3- 8	2- 4
			Hz =	-123
C	1881	251	3- 8	2- 4
			Hz =	124

Membr	CSI	P	Lbs	Axl	CSI-Bnd
---Top Chords---					
A -H	0.34	1919	C	0.01	0.33
H -I	0.35	2488	C	0.02	0.33
I -J	0.35	2488	C	0.02	0.33
J -B	0.34	1919	C	0.01	0.33
---Bottom Chords---					
D -G	0.17	94	T	0.00	0.17

G -F	0.34	1919	T	0.25	0.09
F -E	0.34	1919	T	0.25	0.09
E -C	0.17	94	T	0.00	0.17

-----Webs-----					
D -A	0.33	1773	C	WindLd	
A -G	0.44	2417	T		
G -H	0.23	1214	C		
H -F	0.13	716	T		
F -I	0.12	655	C		
F -J	0.13	716	T		
E -J	0.23	1214	C		
E -B	0.44	2417	T		
C -B	0.33	1773	C	WindLd	

TL Defl -0.11" in G -F L/999
LL Defl -0.06" in G -F L/999
Shear // Grain in A -H 0.34

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate - LOCK	20	Ga,	Gross Area	
Plate - RHS	20	Ga,	Gross Area	
Jt Type	Plt	Size	X	Y
A	LOCK	4.0x	4.0	0.5
H	LOCK	3.0x	4.0	0.5
I	LOCK	6.0x	6.0	1.2
J	LOCK	3.0x	4.0	0.5
B	LOCK	4.0x	4.0	0.5
D	LOCK	2.0x	4.0	0.5
G	LOCK	6.0x	6.0	1.2
F	LOCK	3.0x	7.0	0.5
E	LOCK	4.0x	4.0	0.5
C	LOCK	2.0x	4.0	0.5

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

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:
FBC2004

Girder Common
Loading TC and BC
Span 7- 0- 0
Design checked for 10 psf non-
concurrent LL on BC.
Provide drainage to prevent
water ponding.

Use properly rated hangers for
loads framing into girder
truss.

This truss must be installed
as shown. It cannot be
installed upside-down.

Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.

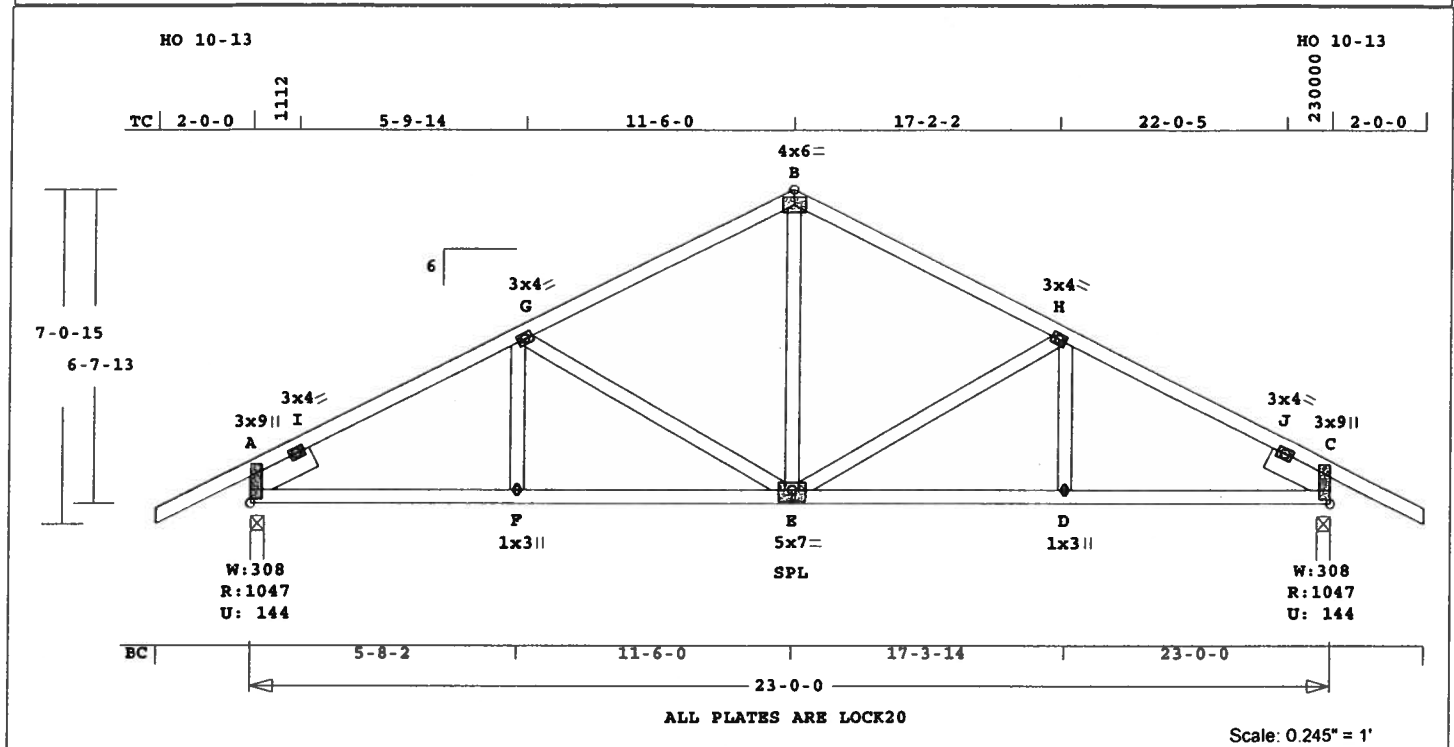
Wind Speed:	110 mph
Mean Roof Height:	15-0
Exposure Category:	B
Occupancy Factor:	1.00
Building Type:	Enclosed
Zone location:	Exterior
TC Dead Load:	5.0 psf
BC Dead Load:	5.0 psf
Max comp. force	2488 Lbs
Quality Control Factor	1.25

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



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	B1	3	TR	230000	6	2- 0- 0	2- 0- 0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 157.1 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

CSI	-Size-	----	Lumber----
TC	0.51	2x 4	SP-#2
BC	0.67	2x 4	SP-#2
WB	0.16	2x 4	SP-#2
SL	0.05	2x 6	SP-#2

Brace truss as follows:

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

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25
TC Fb=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

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

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1048	145	3- 8	1- 8
			Hz =	-110
C	1048	145	3- 8	1- 8
			Hz =	111

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A	-I	0.50	655 C	0.00 0.50
I	-G	0.51	1266 C	0.01 0.50
G	-B	0.29	948 C	0.01 0.28
B	-H	0.29	948 C	0.01 0.28
H	-J	0.51	1266 C	0.01 0.50
J	-C	0.50	655 C	0.00 0.50
-----Bottom Chords-----				

A	-F	0.67	1114 T	0.18	0.49
F	-E	0.37	1114 T	0.18	0.19
E	-D	0.37	1114 T	0.18	0.19
D	-C	0.67	1114 T	0.18	0.49
-----Webs-----					
F	-G	0.02	160 T		
G	-E	0.16	303 C		
E	-B	0.08	496 T		
E	-H	0.16	303 C		
D	-H	0.02	160 T		
-----Sliders-----					
A	-I	0.05	833 C		
J	-C	0.05	833 C		

TL Defl -0.17" in E -D L/999
LL Defl -0.08" in E -D L/999
Shear // Grain in I -I 0.40

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 9.0 1.5 0.3 0.73
I LOCK 3.0x 4.0 Ctr Ctr 0.67
G LOCK 3.0x 4.0 Ctr Ctr 0.61
B LOCK 4.0x 6.0 Ctr Ctr 0.58
H LOCK 3.0x 4.0 Ctr Ctr 0.61
J LOCK 3.0x 4.0 Ctr Ctr 0.67
C LOCK 3.0x 9.0-1.5 0.3 0.73
F LOCK 1.0x 3.0 Ctr Ctr 0.81
E LOCK 5.0x 7.0 Ctr-0.5 0.61
D LOCK 1.0x 3.0 Ctr Ctr 0.81

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

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

NOTES:

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

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

Zone location: Exterior

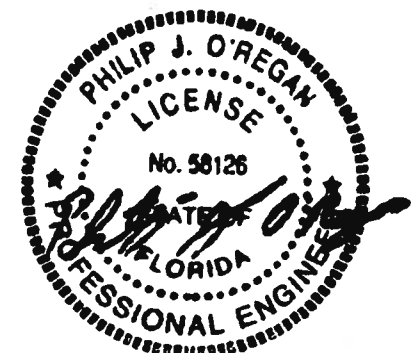
TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 1266 Lbs

Quality Control Factor 1.25

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

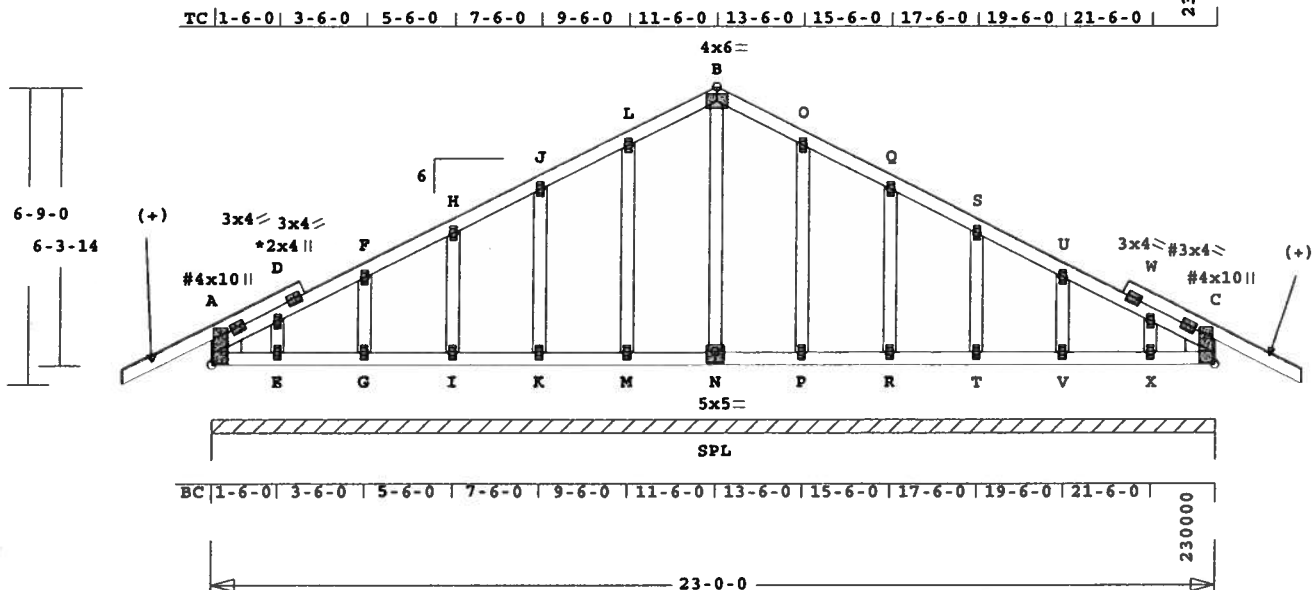


Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	B3	1	TR	230000	6	0	0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36

HO 6-14

HO 6-14



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR
See Joint D For Typical Gable Plate Size and Placement

Scale: 0.228" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 175.4 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

CSI -Size- ---Lumber---
TC 0.03 2x 4 SP-#2
BC 0.02 2x 4 SP-#2
GW 0.04 2x 4 SP-#2
WG --- 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 23- 0- 0
BC Cont. 0- 0- 0 23- 0- 0

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 40.0
Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

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

Jt React Uplift Size Req'd
Lbs Lbs In-Sx In-Sx
Cont. Brg 0- 0- 0 to 23- 0- 0
1840 245 Hz = 111

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -D 0.02 87 C 0.00 0.02
D -F 0.03 56 C 0.00 0.03
F -H 0.03 42 C 0.00 0.03
H -J 0.03 31 C 0.00 0.03
J -L 0.03 47 T 0.00 0.03
L -B 0.03 81 T 0.00 0.03
B -O 0.03 81 T 0.00 0.03
O -Q 0.03 47 T 0.00 0.03
Q -S 0.03 31 C 0.00 0.03
S -U 0.03 42 C 0.00 0.03
U -W 0.03 56 C 0.00 0.03
W -C 0.02 87 C 0.00 0.02
-----Bottom Chords-----
A -E 0.01 16 T 0.00 0.01
E -G 0.02 0 T 0.00 0.02
G -I 0.02 0 T 0.00 0.02
I -K 0.02 0 T 0.00 0.02
K -M 0.02 0 T 0.00 0.02
M -N 0.02 0 T 0.00 0.02
N -P 0.02 0 T 0.00 0.02
P -R 0.02 0 T 0.00 0.02

R -T	0.02	0 T	0.00	0.02
T -V	0.02	0 T	0.00	0.02
V -X	0.02	0 T	0.00	0.02
X -C	0.01	16 T	0.00	0.01

-----Gable Webs-----
E -D 0.00 104 C
G -F 0.01 123 C
I -H 0.01 119 C
K -J 0.02 119 C
M -L 0.04 124 C
N -B 0.03 87 C
P -O 0.04 124 C
R -Q 0.02 119 C
T -S 0.01 119 C
V -U 0.01 123 C
X -W 0.00 104 C

TL Defl 0.00" in E -G L/999
LL Defl 0.00" in V -X L/999
Shear // Grain in D -F 0.07

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A# LOCK 4.0x10.0 2.4 1.8 0.56
D LOCK 2.0x 4.0 Ctr Ctr 0.00
F LOCK 2.0x 4.0 Ctr Ctr 0.00
H LOCK 2.0x 4.0 Ctr Ctr 0.00
J LOCK 2.0x 4.0 Ctr Ctr 0.00
L LOCK 2.0x 4.0 Ctr Ctr 0.00
B LOCK 4.0x 6.0 Ctr Ctr 0.58
O LOCK 2.0x 4.0 Ctr Ctr 0.00
Q LOCK 2.0x 4.0 Ctr Ctr 0.00
S LOCK 2.0x 4.0 Ctr Ctr 0.00
U LOCK 2.0x 4.0 Ctr Ctr 0.00
W LOCK 2.0x 4.0 Ctr Ctr 0.00
C# LOCK 4.0x10.0-2.4 1.8 0.56
E LOCK 2.0x 4.0 Ctr Ctr 0.00
G LOCK 2.0x 4.0 Ctr Ctr 0.00
I LOCK 2.0x 4.0 Ctr Ctr 0.00
K LOCK 2.0x 4.0 Ctr Ctr 0.00
M LOCK 2.0x 4.0 Ctr Ctr 0.00
N LOCK 5.0x 5.0 Ctr Ctr 0.56
P LOCK 2.0x 4.0 Ctr Ctr 0.00
R LOCK 2.0x 4.0 Ctr Ctr 0.00
T LOCK 2.0x 4.0 Ctr Ctr 0.00
V LOCK 2.0x 4.0 Ctr Ctr 0.00
X LOCK 2.0x 4.0 Ctr Ctr 0.00

= Plate Monitor used

REVIEWED BY:

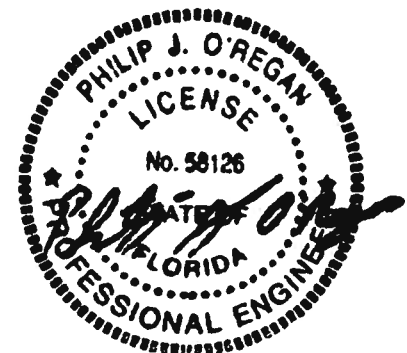
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
NOTE: USER MODIFIED PLATES
This design may have plates
selected through a plate
monitor.

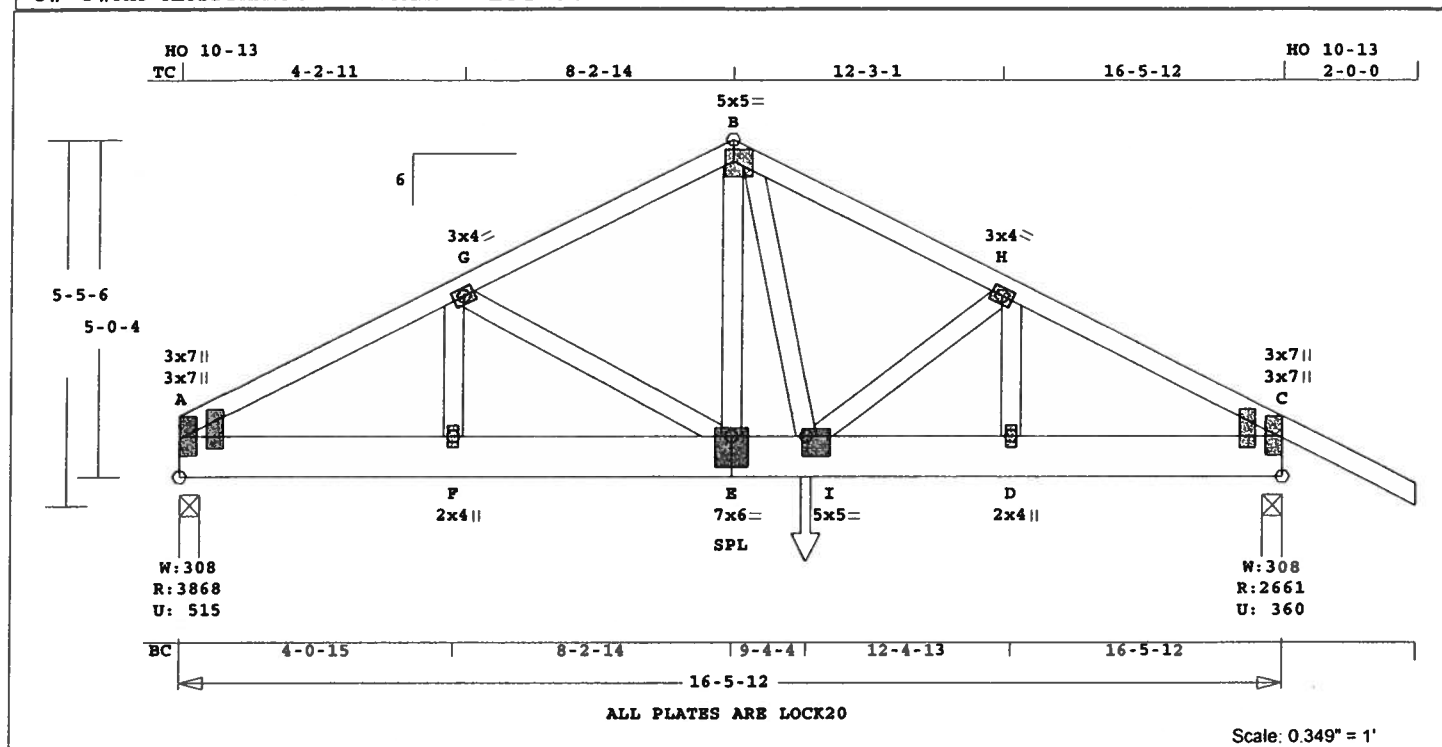
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 124 Lbs
Quality Control Factor 1.25

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



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	C1	1*2P	TR	160512	6	0	2- 0- 0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 142.3 LBS

Online Plus -- Version 19.0.032
 RUN DATE: 03-JUL-06

 * 2-Ply Truss *

	CSI	-Size-	-----Lumber-----
TC	0.37	2x 4	SP-#2
BC	0.66	2x 8	SP-#2
WB	0.16	2x 4	SP-#2
WG	---	2x 4	SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 16- 5-12
 BC Cont. 0- 0- 0 16- 5-12

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=1.00 Fc=1.00 Ft=1.00			
BC Fb=1.00 Fc=1.00 Ft=1.00			

Load Case # 1 Standard Loading
 Lumber Duration Factor 1.25
 Plate Duration Factor 1.25
 plf - Live Dead From To
 TC V 40 20 0.0' 16.5'
 BC V 0 20 0.0' 16.5'
 BC V 189 189 0.0' 8.5'
 BC V 940 940 9.4' CL-LB

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

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	3869	515	3- 8	2- 5
			Hx =	-70
C	2662	360	3- 8	1- 9
			Hx =	71

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -G	0.33	5050	C	0.05	0.28
G -B	0.37	3972	C	0.03	0.34
B -H	0.23	4352	C	0.04	0.19
H -C	0.26	3935	C	0.03	0.23

-----Bottom Chords-----					
A -F	0.66	4472	T	0.25	0.41
F -E	0.50	4472	T	0.25	0.25
E -I	0.27	3533	T	0.19	0.08
I -D	0.39	3496	T	0.19	0.20
D -C	0.56	3496	T	0.19	0.37

-----Webs-----					
F -G	0.08	1067	T		
G -E	0.05	1017	C		
E -B	0.16	1805	T		
B -I	0.15	1654	T		
I -H	0.04	543	T		
D -H	0.03	696	C		

TL Defl -0.11" in F -E L/999
 LL Defl -0.06" in F -E L/999
 Shear // Grain in A -F 0.36

Plates for each ply each face.
 PLATING CONFORMS TO TPI.
 REPORT: NER 691
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 Plate - LOCK 20 Ga, Gross Area
 Plate - RHS 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A LOCK 3.0x 7.0 1.1 0.2 0.97
 A LOCK 3.0x 7.0 Ctr Ctr 0.00
 G LOCK 3.0x 4.0 Ctr Ctr 0.53
 B LOCK 5.0x 5.0 1.0-0.3 0.80
 H LOCK 3.0x 4.0 Ctr Ctr 0.53
 C LOCK 3.0x 7.0-1.1 0.2 0.76
 C LOCK 3.0x 7.0 Ctr Ctr 0.00
 F LOCK 2.0x 4.0 Ctr Ctr 0.57
 E LOCK 7.0x 6.0 Ctr-2.0 0.60
 I LOCK 5.0x 5.0 Ctr-1.1 0.56
 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
 2 COMPLETE TRUSSES REQUIRED.

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

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

Plus clusters of nails where
 shown.

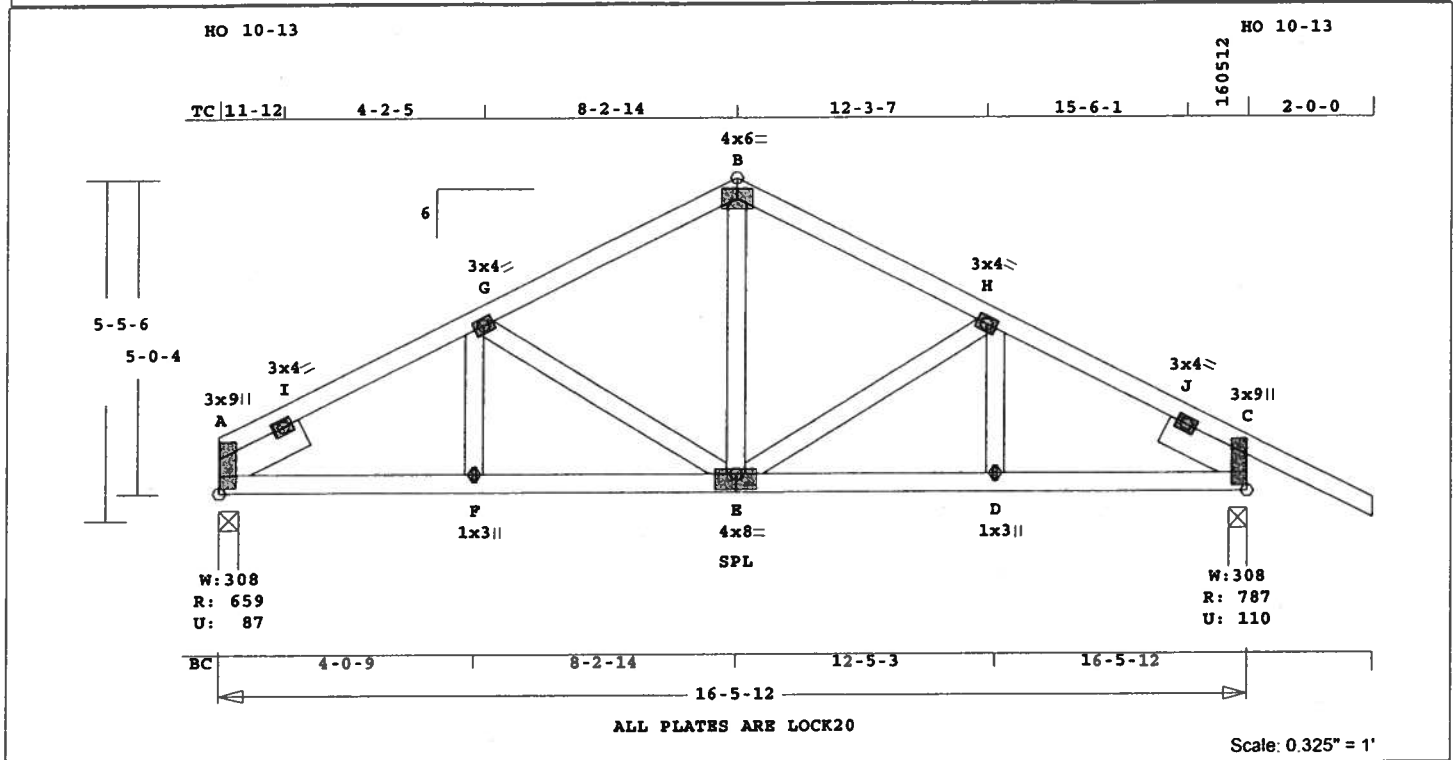
OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-
 concurrent LL on BC.
 Prevent truss rotation at all
 bearing locations.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as a Main
 Wind-Force Resistance System.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor: 1.00
 Building Type: Enclosed
 Zone location: Exterior
 TC Dead Load: 5.0 psf
 BC Dead Load: 5.0 psf
 Max comp. force 5050 Lbs
 Quality Control Factor 1.25

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



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	C2	1	TR	160512	6	0	2- 0- 0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 113.8 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

TC	CSI	-Size-	-----Lumber-----
0.29	2x 4	SP-#2	
0.42	2x 4	SP-#2	
0.05	2x 4	SP-#2	
0.03	2x 6	SP-#2	

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0 16- 5-12	
BC Cont.	0- 0- 0 16- 5-12	

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	659	88	3- 8	1- 8
			Hz =	-71
C	787	110	3- 8	1- 8
			Hz =	72

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A - I	0.29	435 C	0.00	0.29
I - G	0.29	829 C	0.00	0.29
G - B	0.16	648 C	0.00	0.16
B - H	0.16	648 C	0.00	0.16
H - J	0.29	829 C	0.00	0.29
J - C	0.29	435 C	0.00	0.29
-----Bottom Chords-----				

A - F	0.42	721 T	0.12	0.30	
F - E	0.22	721 T	0.12	0.10	
E - D	0.22	721 T	0.12	0.10	
D - C	0.42	721 T	0.12	0.30	
-----Webs-----					
F - G	0.01	99 T			
G - E	0.04	160 C			
E - B	0.05	326 T			
E - H	0.04	160 C			
D - H	0.01	99 T			
-----Sliders-----					
A - I	0.03	540 C			
J - C	0.03	540 C			

TL Defl -0.07" in F - E L/999
LL Defl -0.03" in F - E L/999
Shear // Grain in I - I 0.24

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 9.0 1.5 0.3 0.64
I LOCK 3.0x 4.0 Ctr Ctr 0.58
G LOCK 3.0x 4.0 Ctr Ctr 0.53
B LOCK 4.0x 6.0 Ctr Ctr 0.51
H LOCK 3.0x 4.0 Ctr Ctr 0.53
J LOCK 3.0x 4.0 Ctr Ctr 0.58
C LOCK 3.0x 9.0-1.5 0.3 0.64
F LOCK 1.0x 3.0 Ctr Ctr 0.81
E LOCK 4.0x 8.0 Ctr-1.0 0.57
D LOCK 1.0x 3.0 Ctr Ctr 0.81

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

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

NOTES:

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

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 829 Lbs

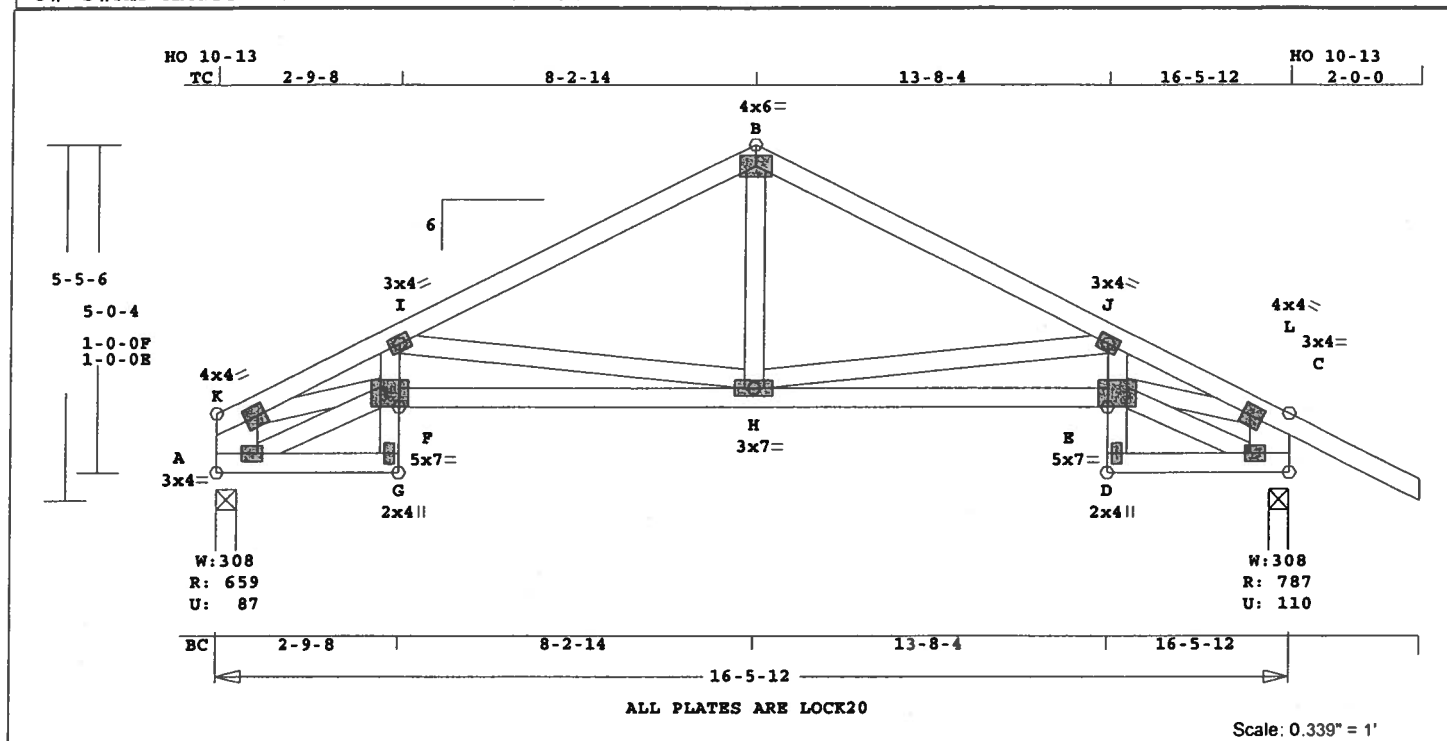
Quality Control Factor 1.25

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



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	C3	2	SP	160512	6	0	2- 0- 0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 123.7 LBS

Tampa, FL 33682

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

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

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

Zone location: Exterior

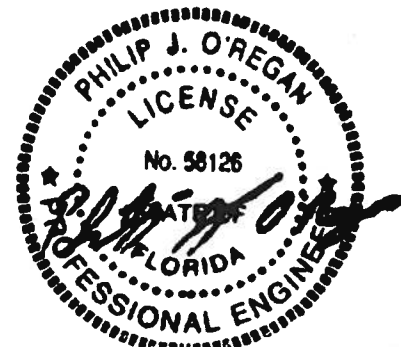
TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 1529 Lbs

Quality Control Factor 1.25

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



CSI	Size	Lumber
TC	0.24 2x 4	SP-#2
BC	0.40 2x 4	SP-#2
CW	0.16 2x 4	SP-#2
WB	0.28 2x 4	SP-#2
EX A -K	2x 8	SP-#2
EX C -L	2x 8	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	16- 5-12
BC Cont.	0- 0- 0	16- 5-12

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	659	88	3- 8	1- 8
			Hz =	-93
C	787	110	3- 8	1- 8
			Hz =	94

Membr	CSI	P	Lbs	Axl	CSI	Bnd
K -K	0.00		4 T			
K -I	0.14	1529	C	0.01	0.13	
I -B	0.24	822	C	0.00	0.24	
B -J	0.24	822	C	0.00	0.24	
J -L	0.14	1529	C	0.01	0.13	
L -L	0.00		4 T			
A -G	0.04	76 T	0.00	0.04		

F -H	0.40	1434	T	0.24	0.16
H -E	0.40	1434	T	0.24	0.16
D -C	0.04	76	T	0.00	0.04
-----Chord-Webs-----					
G -F	0.16	46	T	0.00	0.16
F -I	0.14	237	T	0.03	0.11
D -E	0.16	46	T	0.00	0.16
E -J	0.14	237	T	0.03	0.11
-----Webs-----					
A -K	0.02	596	C	WindLd	
A -F	0.00	83	C		
K -F	0.25	1388	T		
I -H	0.28	705	C		
H -B	0.07	428	T		
H -J	0.28	705	C		
E -L	0.25	1388	T		
E -C	0.00	83	C		
C -L	0.02	596	C	WindLd	

TL Defl -0.11" in F -H L/999
LL Defl -0.05" in F -H L/999
Shear // Grain in I -B 0.20

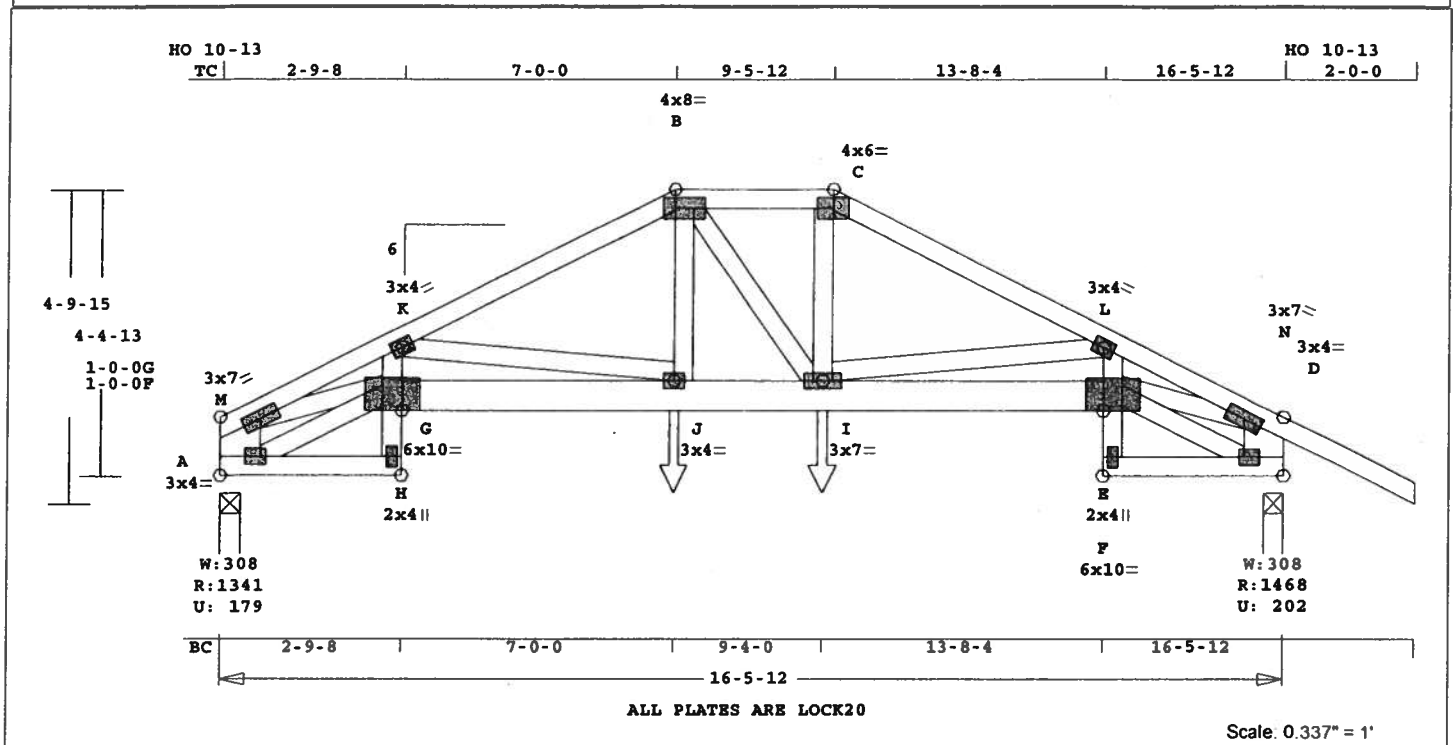
Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate -	LOCK	20 Ga,	Gross	Area
Plate -	RHS	20 Ga,	Gross	Area
Jt	Type	Plt	Size	X Y JSI
K	LOCK	4.0x	4.0-0.4-0.2	0.65
I	LOCK	3.0x	4.0 Ctr Ctr	0.35
B	LOCK	4.0x	6.0 Ctr Ctr	0.51
J	LOCK	3.0x	4.0 Ctr Ctr	0.35
L	LOCK	4.0x	4.0 0.4-0.2	0.65
A	LOCK	3.0x	4.0-1.0 Ctr	0.63
G	LOCK	2.0x	4.0 Ctr Ctr	0.58
F	LOCK	5.0x	7.0 Ctr	0.76
H	LOCK	3.0x	7.0 Ctr Ctr	0.64
E	LOCK	5.0x	7.0 Ctr	0.76
D	LOCK	2.0x	4.0 Ctr Ctr	0.58
C	LOCK	3.0x	4.0 1.0 Ctr	0.63

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	C4	1	SP	160512	6	0	2- 0- 0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



ALL PLATES ARE LOCK20

Scale: 0.337" = 1'

Robbins Engineering, Inc./Online Plus" APPROX. TRUSS WEIGHT: 139.3 LBS

Tampa, FL 33682

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

CSI -Size- ----Lumber----

TC	0.34	2x 4	SP-#2
BC	0.06	2x 4	SP-#2
EX G -F	2x 6	SP-#2	
CW	0.57	2x 4	SP-#2
WB	0.57	2x 4	SP-#2
EX A -M	2x 8	SP-#2	
EX D -N	2x 8	SP-#2	

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	16- 5-12
BC Cont.	0- 0- 0	16- 5-12

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=1.00	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'	16.5'
BC V	0	20	0.0'	16.5'
TC V	50	25	7.0'	9.5'
BC V	0	25	7.0'	9.3'
BC V	280	280	7.0'	CL-LB
BC V	280	280	9.3'	CL-LB

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

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	1342	180	3- 8	1- 9
			Hz =	-82
D	1469	202	3- 8	1-12
			Hz =	83

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
M -M	0.00		4 T	
M -K	0.25	3430	C	0.10 0.15
K -B	0.34	2640	C	0.05 0.29
B -C	0.20	2386	C	0.04 0.16
C -L	0.32	2650	C	0.07 0.25

L -N	0.23	3433	C	0.10 0.13
N -N	0.00	4 T		
-----Bottom Chords-----				
A -H	0.06	247	T	0.04 0.02
G -J	0.65	3091	T	0.41 0.24
J -I	0.36	2352	T	0.31 0.05
I -F	0.66	3087	T	0.41 0.25
E -D	0.06	252	T	0.04 0.02
-----Chord-Webs-----				
H -G	0.55	46	T	0.00 0.55
G -K	0.11	344	T	0.06 0.05
E -F	0.57	46	T	0.00 0.57
F -L	0.10	329	T	0.05 0.05
-----Webs-----				
A -M	0.05	1197	C	WindLd
A -G	0.03	272	C	
M -G	0.57	3090	T	
K -J	0.18	723	C	
J -B	0.15	821	T	
B -I	0.01	72	T	
I -C	0.15	828	T	
I -L	0.18	713	C	
F -N	0.57	3095	T	
F -D	0.03	278	C	
D -N	0.05	1194	C	WindLd

TL Defl -0.19" in G -J L/999
LL Defl -0.09" in J -I L/999
Shear // Grain in E -F 0.33

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Jt Type	Plt Size	X	Y	JSI
M LOCK	3.0x 7.0	Ctr	Ctr	0.88
K LOCK	3.0x 4.0	Ctr	Ctr	0.35
B LOCK	4.0x 8.0	Ctr	Ctr	0.79
C LOCK	4.0x 6.0	Ctr	Ctr	0.79
L LOCK	3.0x 4.0	Ctr	Ctr	0.35
N LOCK	3.0x 7.0	Ctr	Ctr	0.88
A LOCK	3.0x 4.0-1.0	Ctr	Ctr	0.63
H LOCK	2.0x 4.0	Ctr	Ctr	0.58
G LOCK	6.0x10.0	Ctr	0.2	0.86
J LOCK	3.0x 4.0	Ctr	Ctr	0.64
I LOCK	3.0x 7.0	Ctr	Ctr	0.63
F LOCK	6.0x10.0	Ctr	0.2	0.86
E LOCK	2.0x 4.0	Ctr	Ctr	0.58
D LOCK	3.0x 4.0	1.0	Ctr	0.63

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055

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

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

Girder Step Down Hip

Framing King Jacks

Jack Open Faced

Setback 7- 0- 0

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-

concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

Zone location: Exterior

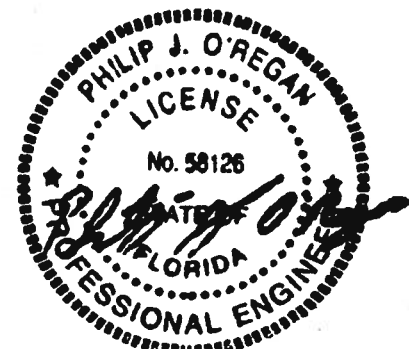
TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 3433 Lbs

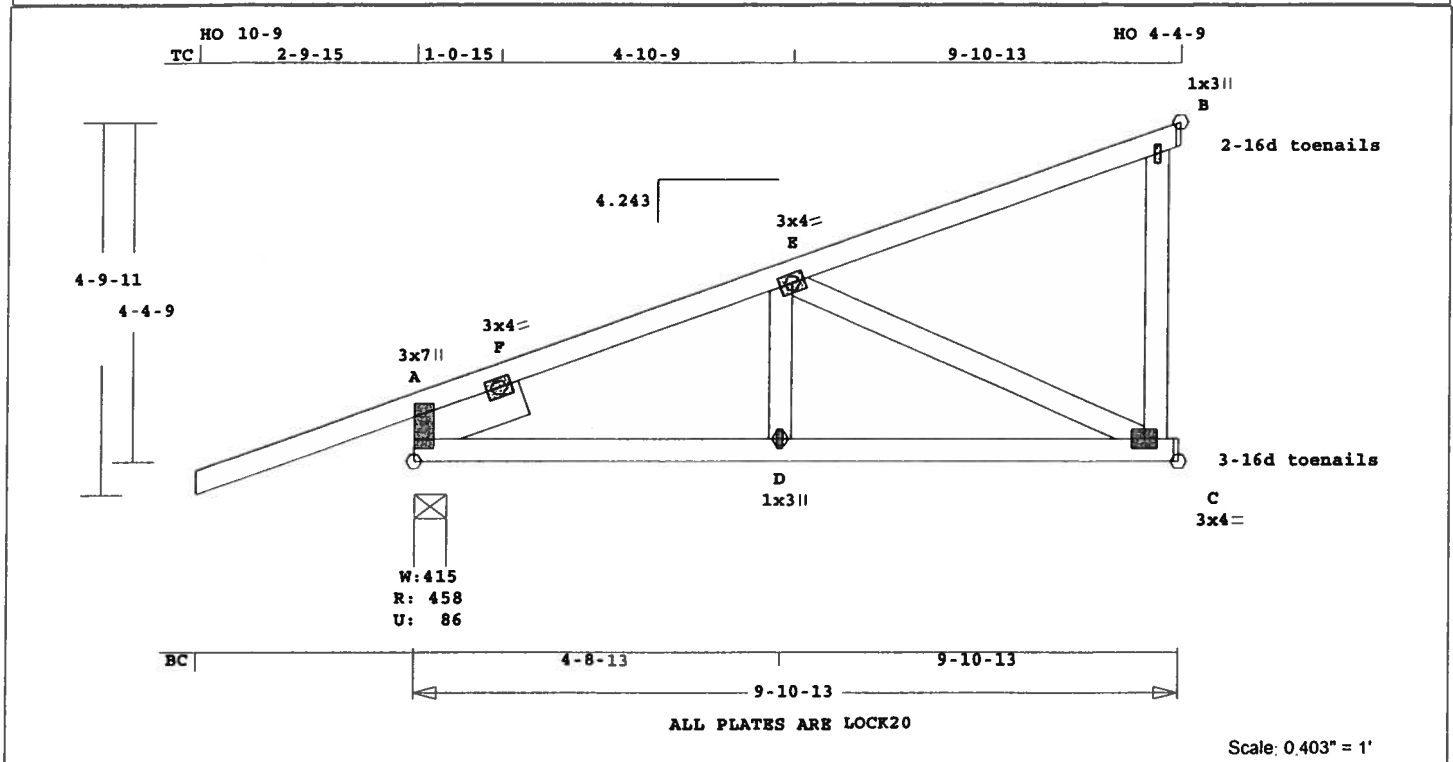
Quality Control Factor 1.25

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



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	CJ1	1	MONO.DD	91013	4.243	2- 9-15	0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 68.9 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

CSI	-Size-	---	Lumber---
TC	0.45	2x 4	SP-#2
BC	0.32	2x 4	SP-#2
WB	0.18	2x 4	SP-#2
SL	0.01	2x 6	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		
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'	9.9'
BC V	0	-20	0.0'	9.9'

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	458	87	4-15	1- 8
			Hx =	-50
C	337	5	1- 8	1- 8
B	263	88	1- 8	1- 8
			Hx =	135

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -F	0.22	308	C	0.00	0.22
F -E	0.24	487	C	0.00	0.24
E -B	0.45	80	T	0.00	0.45
-----Bottom Chords-----					
A -D	0.32	464	T	0.08	0.24
D -C	0.30	464	T	0.05	0.25
-----Webs-----					
D -E	0.03	207	T		
E -C	0.18	512	C		
C -B	0.02	0	T	WindLd	
-----Sliders-----					
A -F	0.01	266	C		

TL Defl -0.08" in D -C L/999
LL Defl -0.04" in D -C L/999
Shear // Grain in E -B 0.27

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 7.0 1.5 0.3 0.89
F LOCK 3.0x 4.0 Ctr Ctr 0.50
E LOCK 3.0x 4.0 Ctr Ctr 0.43
B LOCK 1.0x 3.0 Ctr Ctr 0.75
D LOCK 1.0x 3.0 Ctr Ctr 0.75
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 a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

TC Dead Load : 5.0 psf

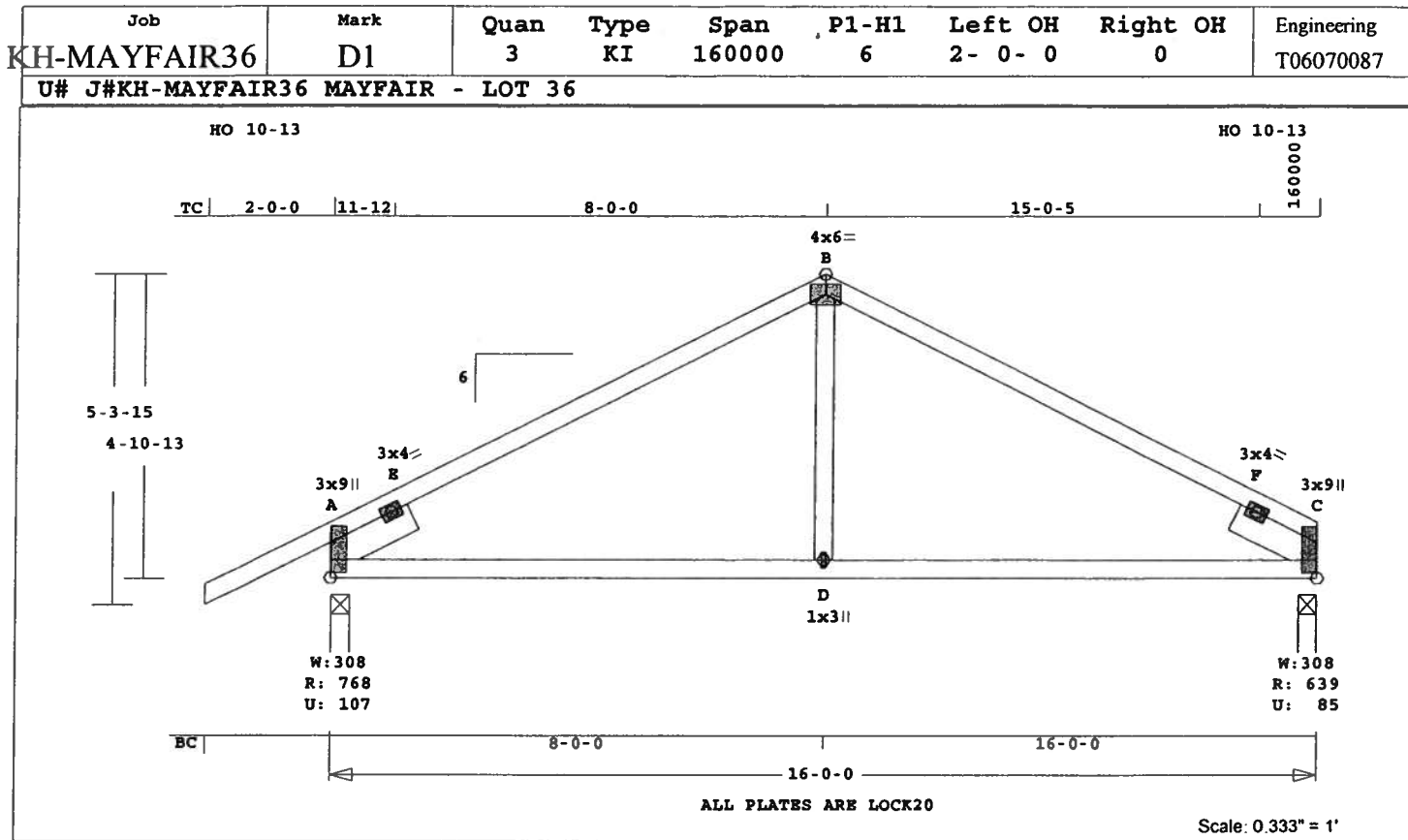
BC Dead Load : 5.0 psf

Max comp. force 512 Lbs

Quality Control Factor 1.25

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





Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 85.4 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

CSI	Size	Lumber
TC	0.35	2x 4 SP-#2
BC	0.39	2x 4 SP-#2
WB	0.04	2x 4 SP-#2
SL	0.04	2x 6 SP-#2

Brace truss as follows:

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

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25
TC Fb=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

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

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	768	108	3- 8	1- 8
			Hz =	-68
C	640	85	3- 8	1- 8
			Hz =	69

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -E	0.31	381 C	0.00	0.31
E -B	0.35	683 C	0.01	0.34
B -F	0.35	683 C	0.01	0.34
F -C	0.31	381 C	0.00	0.31
-----Bottom Chords-----				
A -D	0.39	612 T	0.06	0.33

D	-C	0.39	612 T	0.06	0.33
-----Webs-----					
D -B	0.04	318 T			
-----Sliders-----					
A -E	0.04	662 C			
F -C	0.04	662 C			

TL Defl -0.09" in A -D L/999
LL Defl -0.04" in A -D L/999
Shear // Grain in E -E 0.25

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga	Gross Area
Plate - LOCK	20 Ga <td>Gross Area</td> <td></td>	Gross Area	
Jt Type	Plt Size	X	Y JSI
A LOCK	3.0x 9.0	1.5	0.3 0.63
E LOCK	3.0x 4.0	Ctr	Ctr 0.58
B LOCK	4.0x 6.0	Ctr	Ctr 0.50
F LOCK	3.0x 4.0	Ctr	Ctr 0.58
C LOCK	3.0x 9.0	1.5	0.3 0.63
D LOCK	1.0x 3.0	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.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-

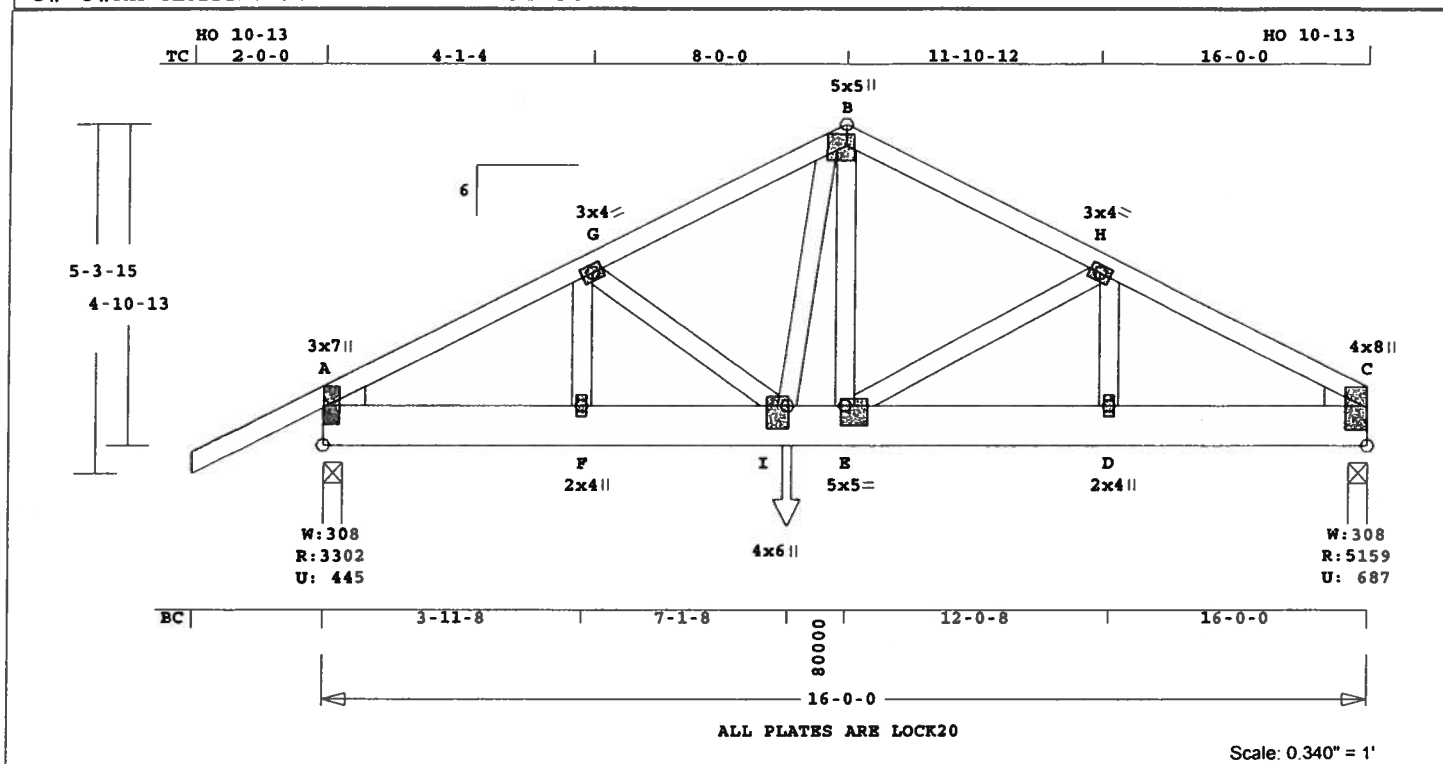
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 683 Lbs
Quality Control Factor 1.25

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



Job KH-MAYFAIR36	Mark D2	Quan 1*2P	Type TR	Span 160000	Pl-H1 6	Left OH 2- 0- 0	Right OH 0	Engineering T06070087
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U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 138.6 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

* 2-Ply Truss *

CSI	Size	Lumber
TC	0.49	2x 4 SP-#2
BC	0.83	2x 8 SP-#1
WB	0.22	2x 4 SP-#2
PB	---	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	16- 0- 0
BC Cont.	0- 0- 0	16- 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 Standard Loading

Lumber Duration Factor	1.25			
Plate Duration Factor	1.25			
plf - Live	Dead	From	To	
TC V	40	20	0.0'	16.0'
BC V	0	20	0.0'	16.0'
BC V	280	280	8.0'	16.0'
BC V	1287	1287	7.1'	CL-LB

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

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	3302	445	3- 8	1-15
			Hz =	-68
C	5160	687	3- 8	3- 1
			Hz =	68

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -G	0.35	5098	C	0.05 0.30
G -B	0.33	5704	C	0.08 0.25
B -H	0.49	5315	C	0.05 0.44

H -C	0.49	6878	C	0.10	0.39
-----Bottom Chords-----					
A -F	0.62	4532	T	0.20	0.42
F -I	0.41	4532	T	0.20	0.21
I -E	0.28	4729	T	0.21	0.07
E -D	0.55	6093	T	0.27	0.28
D -C	0.83	6093	T	0.27	0.56
-----Webs-----					
F -G	0.04	897	C		
G -I	0.06	740	T		
I -B	0.20	2212	T		
E -B	0.22	2422	T		
E -H	0.08	1485	C		
D -H	0.13	1585	T		

TL Defl -0.15" in E -D L/999
LL Defl -0.08" in E -D L/999
Shear // Grain in D -C 0.56

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 7.0 1.5 0.4 0.98
G LOCK 3.0x 4.0 Ctr Ctr 0.52
B LOCK 5.0x 5.0-1.0-0.3 0.91
H LOCK 3.0x 4.0 Ctr Ctr 0.62
C LOCK 4.0x 8.0-2.0-0.1 0.99
F LOCK 2.0x 4.0 Ctr Ctr 0.38
I LOCK 4.0x 6.0 Ctr-1.3 0.70
E LOCK 5.0x 5.0 Ctr-1.1 0.82
D LOCK 2.0x 4.0 Ctr Ctr 0.85

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

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

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

Fasten together in staggered
pattern. (1/2" bolts -OR-
SDS3 screws -OR- 10d nails
as each layer is applied.)
-----Spacing (In)-----
Rows Nails Screws Bolts
TC 1 12 24 0
BC 2 12 24 0
WB 1 8 8

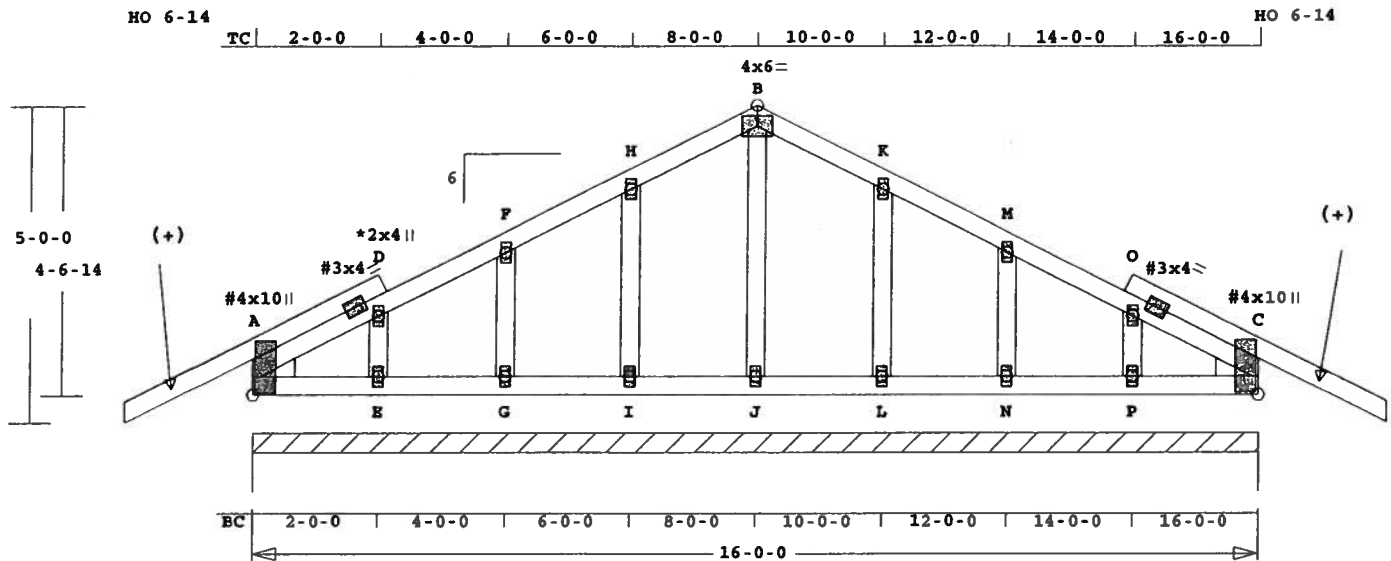
Plus clusters of nails where
shown.
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Prevent truss rotation at all
bearing locations.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 6878 Lbs
Quality Control Factor 1.25

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



Job KH-MAYFAIR36	Mark D3	Quan 1	Type TR	Span 160000	P1-H1 6	Left OH 0	Right OH 0	Engineering T06070087
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U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR
See Joint D For Typical Gable Plate Size and Placement

Scale: 0.328" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 114.6 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

	CSI	Size	---	Lumber	---
TC	0.03	2x 4	SP-#2		
BC	0.02	2x 4	SP-#2		
GW	0.01	2x 4	SP-#2		
PB	---	2x 4	SP-#2		

Brace truss as follows:

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

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25
TC Fb=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
Cont. Brg	0- 0- 0	0 to 16- 0- 0		
	1280	171	Hz =	69

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -D	0.03		44 C	0.00	0.03
D -F	0.03		40 C	0.00	0.03
F -H	0.03		40 C	0.00	0.03
H -B	0.03		73 T	0.00	0.03
B -K	0.03		73 T	0.00	0.03
K -M	0.03		40 C	0.00	0.03
M -O	0.03		40 C	0.00	0.03
O -C	0.03		44 C	0.00	0.03

-----Bottom Chords-----					
A -E	0.02		0 T	0.00	0.02
E -G	0.02		0 T	0.00	0.02
G -I	0.02		0 T	0.00	0.02
I -J	0.02		0 T	0.00	0.02
J -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 -C	0.02	0 T	0.00	0.02	
-----Gable Webs-----					
E -D	0.01	123 C			
G -F	0.01	119 C			
I -H	0.01	124 C			
J -B	0.01	76 C			
L -K	0.01	124 C			
N -M	0.01	119 C			
P -O	0.01	123 C			

TL Defl	0.00"	in A -E	L/999		
LL Defl	0.00"	in A -E	L/999		
Shear //		Grain in A -D	0.07		

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	LOCK	20 Ga,	Gross Area
Plate - RHS	20 Ga, <td>Gross Area</td> <td></td>	Gross Area	
Jt Type	Plt Size	X	Y JSI
A# LOCK	4.0x10.0	2.3	1.8 0.49
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
B LOCK	4.0x 6.0	Ctr	Ctr 0.50
K LOCK	2.0x 4.0	Ctr	Ctr 0.00
M LOCK	2.0x 4.0	Ctr	Ctr 0.00
O LOCK	2.0x 4.0	Ctr	Ctr 0.00
C# LOCK	4.0x10.0-2.4	1.9	0.51
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
J LOCK	2.0x 4.0	Ctr	Ctr 0.00
L LOCK	2.0x 4.0	Ctr	Ctr 0.00
N LOCK	2.0x 4.0	Ctr	Ctr 0.00
P LOCK	2.0x 4.0	Ctr	Ctr 0.00

= Plate Monitor used

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

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

NOTES:

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

Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.

NOTE: USER MODIFIED PLATES
This design may have plates selected through a plate monitor.

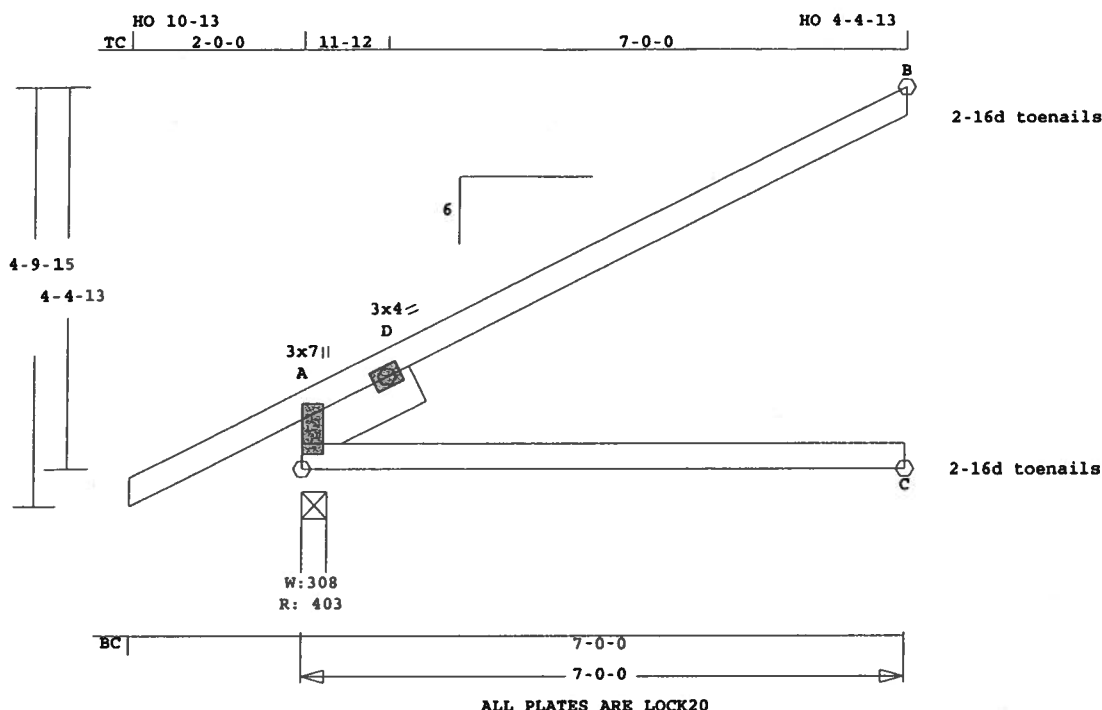
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force: 124 Lbs
Quality Control Factor 1.25

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



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	J1	22	JCA2	70000	6	2- 0- 0	0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 36.8 LBS

D -B 0.47 53 C 0.00 0.47
 -----Bottom Chords-----
 A -C 0.35 73 T 0.00 0.35
 -----Sliders-----
 A -D 0.01 198 C

Analysis Conforms To:
 FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 198 Lbs

Quality Control Factor 1.25

Online Plus -- Version 19.0.032
 RUN DATE: 03-JUL-06

CSI -Size- ----Lumber----

TC 0.47 2x 4 SP-#2
 BC 0.35 2x 4 SP-#2
 SL 0.01 2x 6 SP-#2

TL Defl -0.18" in A -C L/431
 LL Defl -0.07" in A -C L/999
 Shear // Grain in D -B 0.20

Brace truss as follows:

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

Plates for each ply each face.
 PLATING CONFORMS TO TPI.

REPORT: NER 691

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Jt Type Plt Size X Y JSI

A LOCK 3.0x 7.0 1.5 0.4 0.85

D LOCK 3.0x 4.0 Ctr Ctr 0.50

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	

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

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

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	404	0	3- 8	1- 8
			Hz =	107
C	131	0	3- 8	1- 8
			Hz =	73
B	195	89	3- 8	1- 8

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

Membr CSI P Lbs Axl-Csi-Bnd

-----Top Chords-----

A -D 0.14 181 C 0.00 0.14

NOTES:

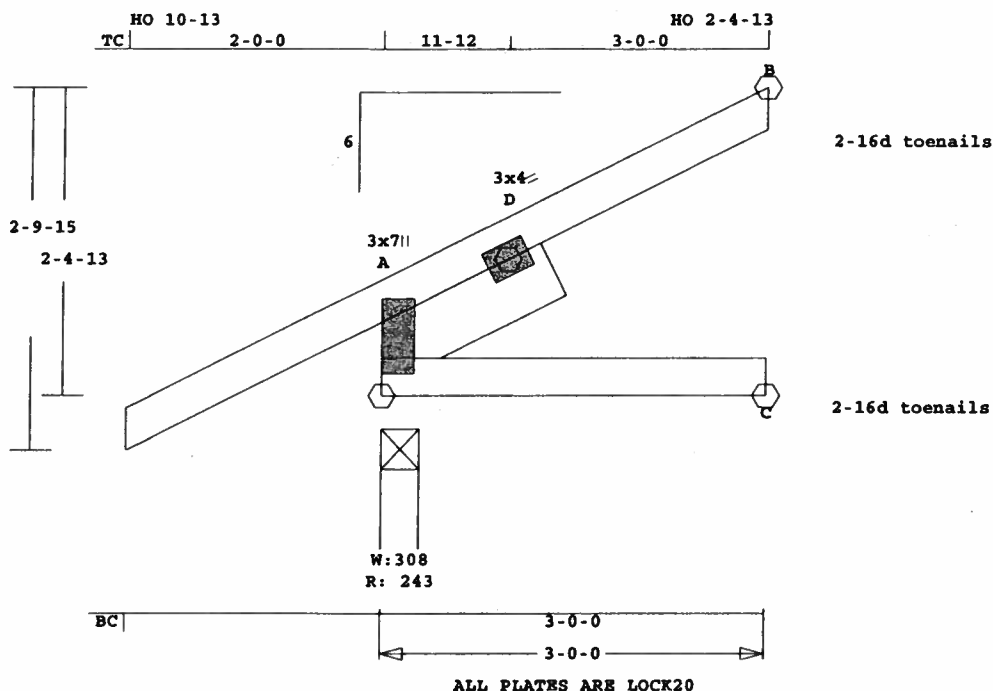
Trusses Manufactured by:

Mayo Truss Co. Inc.



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	J3	2	JCA2	30000	6	2- 0- 0	0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Scale: 0.666" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 20.7 LBS

Online Plus -- Version 19.0.032
 RUN DATE: 03-JUL-06

CSI	Size	Lumber	TL Defl	LL Defl	Shear // Grain
TC	0.07	2x 4 SP-#2	0.00" in A -C	0.00" in A -C	0.08
BC	0.05	2x 4 SP-#2			
SL	0.00	2x 6 SP-#2			

Analysis Conforms To:
 FBC2004

OH Loading
 Soffit psf 2.0
 Design checked for 10 psf non-concurrent LL on BC.
 Wind Loads - ANSI / ASCE 7-02
 Truss is designed as a Main Wind-Force Resistance System.
 Wind Speed: 110 mph
 Mean Roof Height: 15-0
 Exposure Category: B
 Occupancy Factor : 1.00
 Building Type: Enclosed
 Zone location: Exterior
 TC Dead Load : 5.0 psf
 BC Dead Load : 5.0 psf
 Max comp. force 32 Lbs
 Quality Control Factor 1.25

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	

Plates for each ply each face.
 PLATING CONFORMS TO TPI.
 REPORT: NER 691
 ROBBINS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.
 Plate - LOCK 20 Ga, Gross Area
 Plate - RHS 20 Ga, Gross Area
 Jt Type Plt Size X Y JSI
 A LOCK 3.0x 7.0 1.5 0.4 0.80
 D LOCK 3.0x 4.0 Ctr Ctr 0.50

REVIEWED BY:

Robbins Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	243	0	3- 8	1- 8
			Hz =	46
C	55	0	3- 8	1- 8
			Hz =	31
B	88	44	3- 8	1- 8

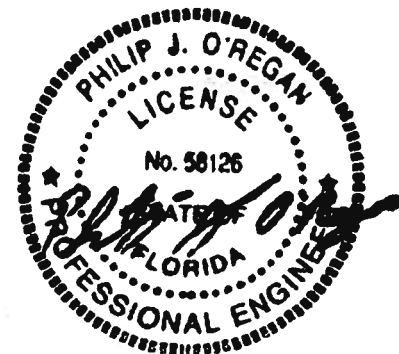
REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

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

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A	-D	0.05	32 C	0.00	0.05

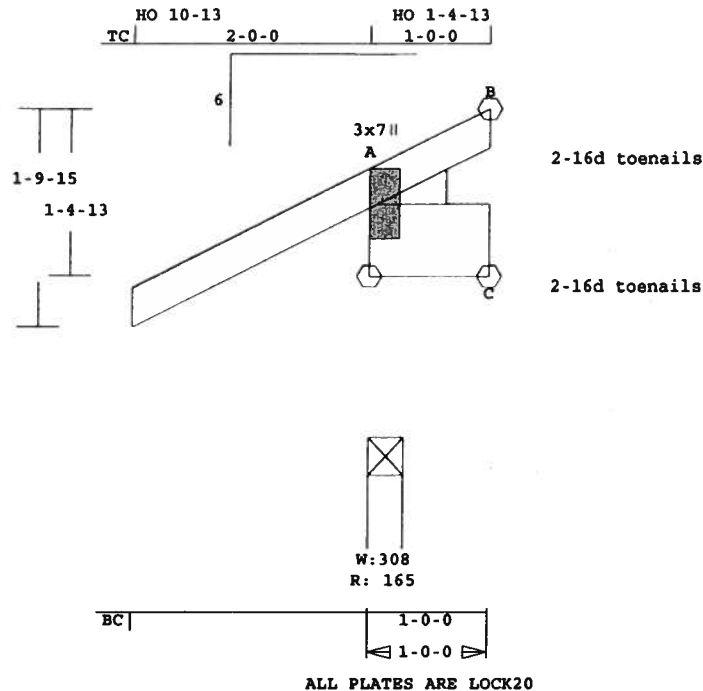
NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.

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



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	J4	6	JCA2	10000	6	2- 0- 0	0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Scale: 0.619" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 11.5 LBS

Online Plus -- Version 19.0.032

RUN DATE: 03-JUL-06

	CSI	-Size-	-----Lumber-----
TC	0.00	2x 4	SP-#2
BC	0.00	2x 8	SP-#2
PB	---	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 5 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	165	0	3- 8	1- 8
			Hz =	15
B	30	16	1- 8	1- 8
C	19	3	1- 8	1- 8
			Hz =	10

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A - B	0.00		9	C	

-----Bottom Chords-----
A - C 0.00 10 T

TL Defl 0.00" in A - C L/999
LL Defl 0.00" in A - C L/999
Shear // Grain in A - B 0.02

Plates for each ply each face.
PLATING CONFORMS TO TPI.

REPORT: NER 691
ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Jt Type Plt Size X Y JSI

A LOCK 3.0x 7.0 1.5 0.4 0.70

REVIEWED BY:

Robbins Engineering, Inc.

PO Box 280055

Tampa, FL 33682

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

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

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-
concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor: 1.00

Building Type: Enclosed

Zone location: Exterior

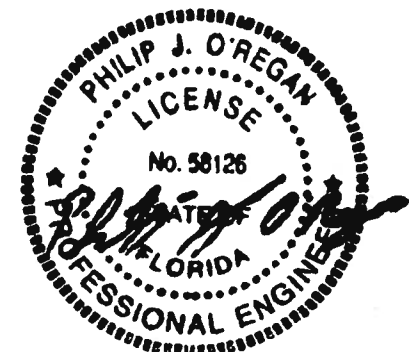
TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 9 Lbs

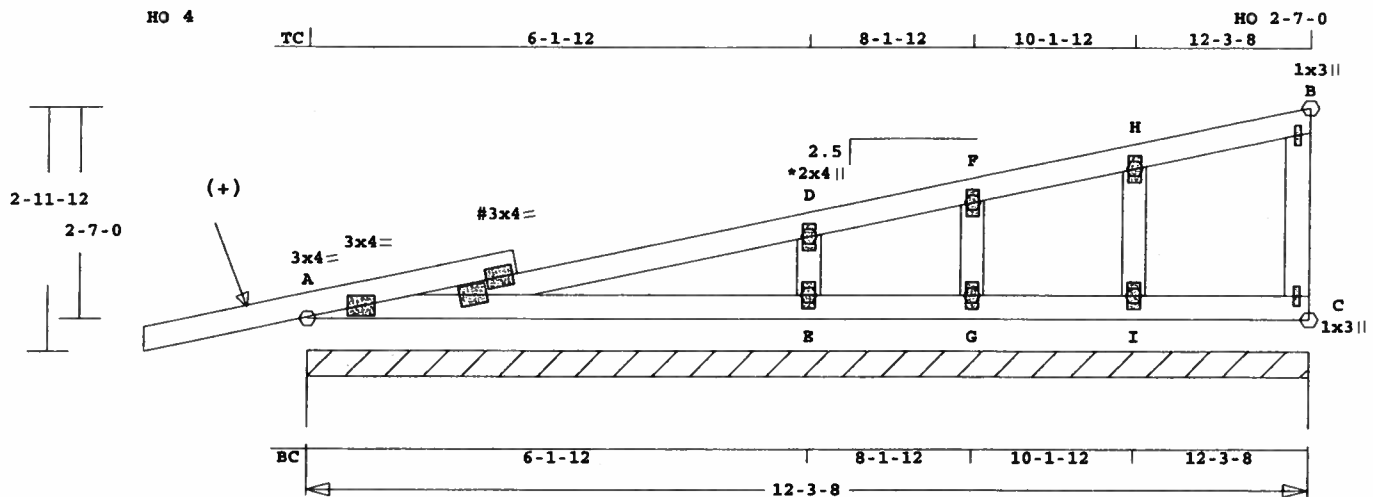
Quality Control Factor 1.25

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



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	M1	1	MONO	120308	2.5	0	0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



ALL PLATES ARE LOCK20, # = PLATE SELECTED IN PLATE MONITOR
See Joint D For Typical Gable Plate Size and Placement

Scale: 0.425" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 63.5 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

CSI	-Size-	----Lumber----
TC	0.20	2x 4 SP-#2
BC	0.14	2x 4 SP-#2
WB	0.03	2x 4 SP-#2
GW	0.15	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	12- 3- 8
BC Cont.	0- 0- 0	12- 3- 8

Loading Live Dead (psf)

	Live	Dead
TC	20.0	10.0
BC	0.0	10.0
Total	20.0	20.0

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

TL Defl -0.02" in A -E L/999

LL Defl -0.01" in A -E L/999

Shear // Grain in A -D 0.18

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Jt Type Plt Size X Y JSI

A	LOCK	3.0x 4.0	Ctr Ctr	0.76
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
B	LOCK	1.0x 3.0	Ctr Ctr	0.75
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
C	LOCK	1.0x 3.0	Ctr Ctr	0.75

web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 200 Lbs
Quality Control Factor 1.25

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

Jt React Uplift Size Req'd

Lbs	Lbs In-Sx	In-Sx
Cont. Brg	0- 0- 0	to 12- 3- 8
983	199	Hx = 82

Membr CSI P Lbs Axl-CSI-Bnd

-----Top Chords-----

A -D	0.20	174 C	0.00	0.20
D -F	0.07	49 C	0.00	0.07
F -H	0.05	25 C	0.00	0.05
H -B	0.03	18 C	0.00	0.03

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

A -E	0.14	6 T	0.00	0.14
E -G	0.04	0 T	0.00	0.04
G -I	0.03	0 T	0.00	0.03
I -C	0.02	0 T	0.00	0.02

-----Webs-----

C -B	0.03	67 C	0.00	0.03
------	------	------	------	------

-----Gable Webs-----

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

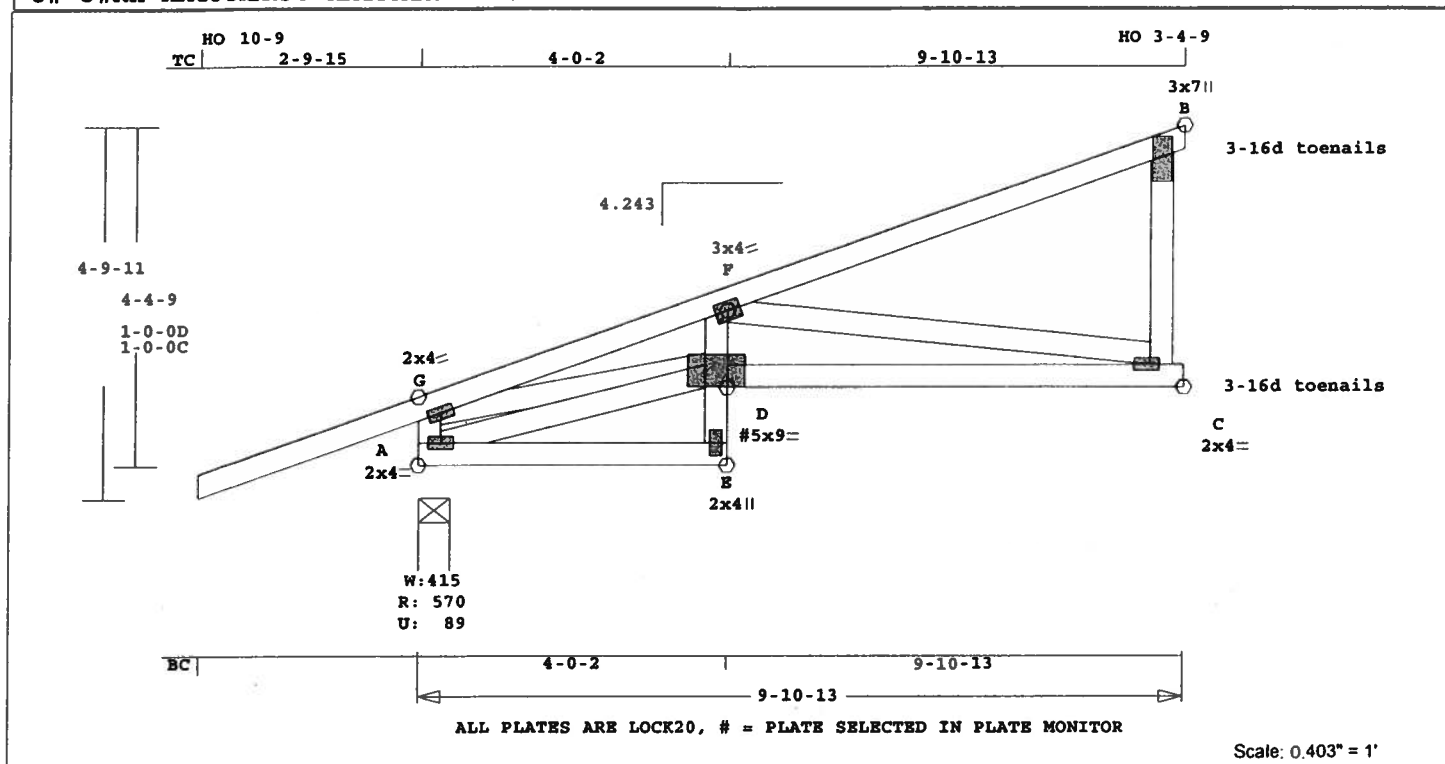
WARNING Do Not Cut overframe
member between outside of
truss and first tie-plate
to inside of heel plate.
Design checked for 10 psf non-
concurrent LL on BC.
Refer to Gen Det 3 series for

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



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	VCJ1	2	SP	91013	4.243	2- 9-15	0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 77.3 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

CSI	Size	---	Lumber	---
TC	0.58	2x 4	SP-#2	
BC	0.43	2x 4	SP-#2	
CW	0.25	2x 4	SP-#2	
WB	0.55	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=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

Load Case # 2 NonStandard Load				
Lumber Duration Factor	1.25			
Plate Duration Factor	1.25			
plf - Live	Dead	From	To	
TC V	0	0	0.0'	9.9'
BC V	0	0	0.0'	9.9'
TC V	0	0	0.0'	
	99	50		9.9'
BC V	0	0	0.0'	
	0	50		9.9'

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	571	90	4-15	1- 8
			Hx =	53
C	330	9	1- 8	1- 8
B	339	55	1- 8	1- 8
			Hx =	125

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----

G - F	0.38	1235	C	0.01	0.37
F - B	0.58	88	T	0.00	0.58
-----Bottom Chords-----					
A - E	0.10	55	T	0.00	0.10
D - C	0.43	1294	T	0.21	0.22
-----Chord-Webs-----					
E - D	0.11	74	T	0.00	0.11
D - F	0.25	277	T	0.04	0.21
-----Webs-----					
A - G	0.03	334	C	WindLd	
A - D	0.01	57	C		
G - D	0.22	1193	T		
F - C	0.55	1311	C		
C - B	0.01	0	T	WindLd	

TL Defl -0.12" in D -C L/955
LL Defl -0.04" in E -D L/999
Shear // Grain in F -B 0.36

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

ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area	
Plate - RHS 20 Ga, Gross Area	
Jt Type Plt Size X Y JSI	
G LOCK 2.0x 4.0 Ctr Ctr 0.90	
F LOCK 3.0x 4.0 Ctr Ctr 0.66	
B LOCK 3.0x 7.0 Ctr-0.3 0.39	
A LOCK 2.0x 4.0 Ctr Ctr 0.80	
E LOCK 2.0x 4.0 Ctr Ctr 0.58	
D# LOCK 5.0x 9.0 Ctr 0.9 0.60	
C LOCK 2.0x 4.0-0.5 Ctr 0.97	

= 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.

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.

Max gap between edge of brg
and end vertical is 1/2".

NOTE: USER MODIFIED PLATES

This design may have plates
selected through a plate
monitor.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main

Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

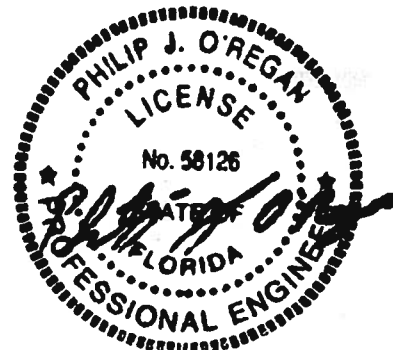
TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 1311 Lbs

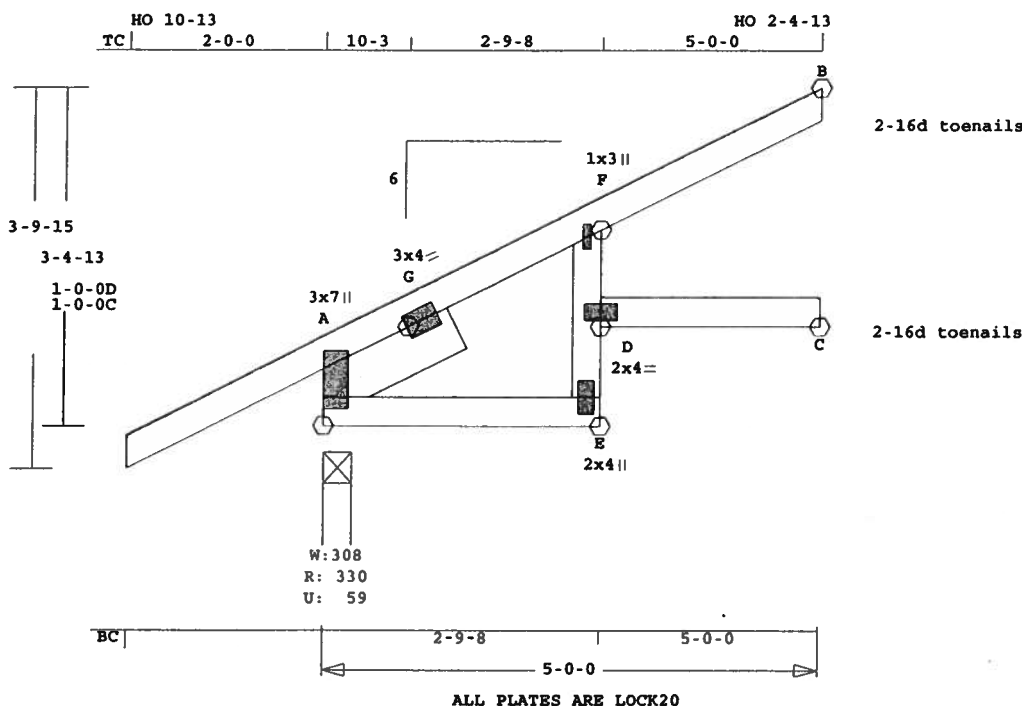
Quality Control Factor 1.25

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



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	VJ2	4	SP	50000	6	2- 0- 0	0	T06070087

U# J#KH-MAYFAIR36 MAYFAIR - LOT 36



Scale: 0.517" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 31.9 LBS

E -D 0.03 30 T 0.00 0.03
D -C 0.30 0 T 0.00 0.30

Analysis Conforms To:
FBC2004

-----Chord-Webs-----

E -D 0.00 122 C
D -F 0.17 53 T 0.00 0.17

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as a Main Wind-Force Resistance System.

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 122 Lbs

Quality Control Factor 1.25

TL Defl -0.04" in E -D L/999

LL Defl -0.02" in E -D L/999

Shear // Grain in D -C 0.12

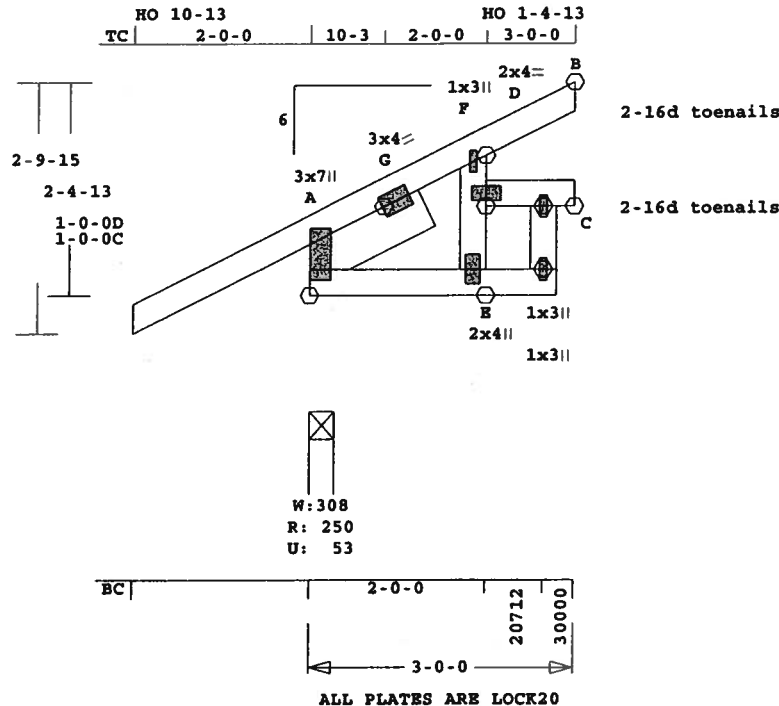
Plates for each ply each face.

PLATING CONFORMS TO TPI.

REPORT: NER 691

ROBBINS ENGINEERING, INC.

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
KH-MAYFAIR36	VJ3	4	SP	30000	6	2- 0- 0	0	T06070087
U# J#KH-MAYFAIR36 MAYFAIR - LOT 36								



Scale: 0.462" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 26.0 LBS

Online Plus -- Version 19.0.032
RUN DATE: 03-JUL-06

CSI	Size	---Lumber---
TC	0.04	2x 4 SP-#2
BC	0.09	2x 4 SP-#2
CW	0.04	2x 4 SP-#2
SL	0.00	2x 6 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 5 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	250	53	3- 8	1- 8
			Hz =	46
C	59	17	1- 8	1- 8
B	57	22	1- 8	1- 8
			Hz =	31

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -G	0.02		29 C	0.00	0.02
G -F	0.04		46 C	0.00	0.04
F -B	0.03		27 T	0.00	0.03
-----Bottom Chords-----					
A -E	0.01		38 T	0.00	0.01

E -D	0.01	19 T	0.00	0.01
D -C	0.09	0 T	0.00	0.09
-----Chord-Webs-----				
E -D	0.00	44 C		
D -F	0.04	23 T	0.00	0.04
-----Sliders-----				
A -G	0.00	44 C		

TL Defl 0.00" in E -D L/999
LL Defl 0.00" in E -D L/999
Shear // Grain in D -C 0.07

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 7.0 1.5 0.4 0.80
G LOCK 3.0x 4.0 Ctr Ctr 0.50
F LOCK 1.0x 3.0 Ctr Ctr 0.33
E LOCK 2.0x 4.0 Ctr Ctr 0.58
D LOCK 2.0x 4.0 Ctr Ctr 0.58

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

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

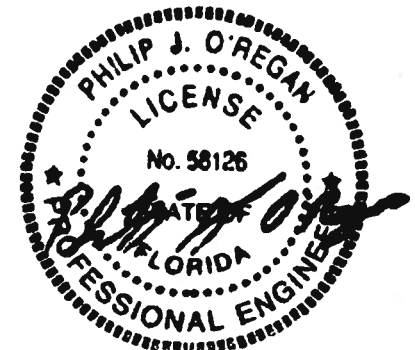
For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:
FBC2004

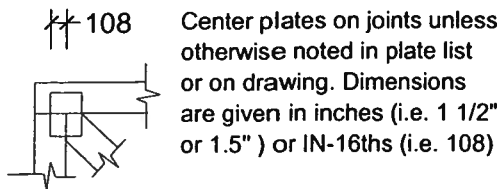
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 46 Lbs
Quality Control Factor 1.25

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



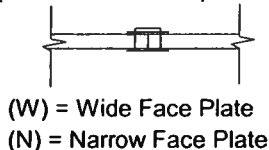
ROBBINS ENG. GENERAL NOTES & SYMBOLS

PLATE LOCATION



FLOOR TRUSS SPLICE

(3X2, 4X2, 6X2)



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.

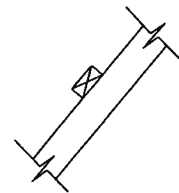
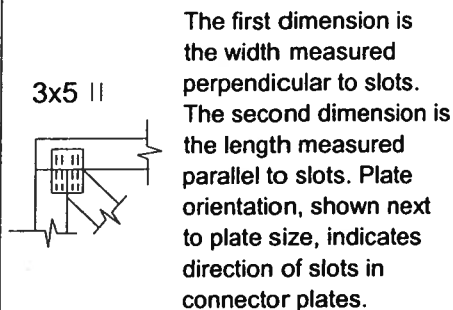
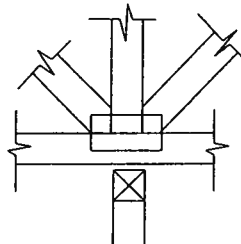
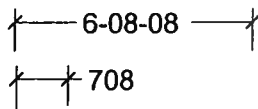


PLATE SIZE AND ORIENTATION



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).



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.

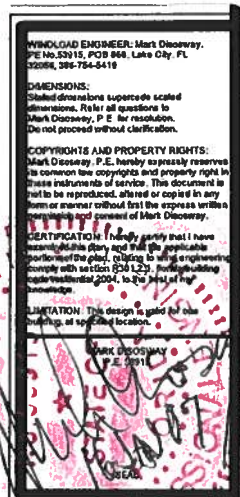
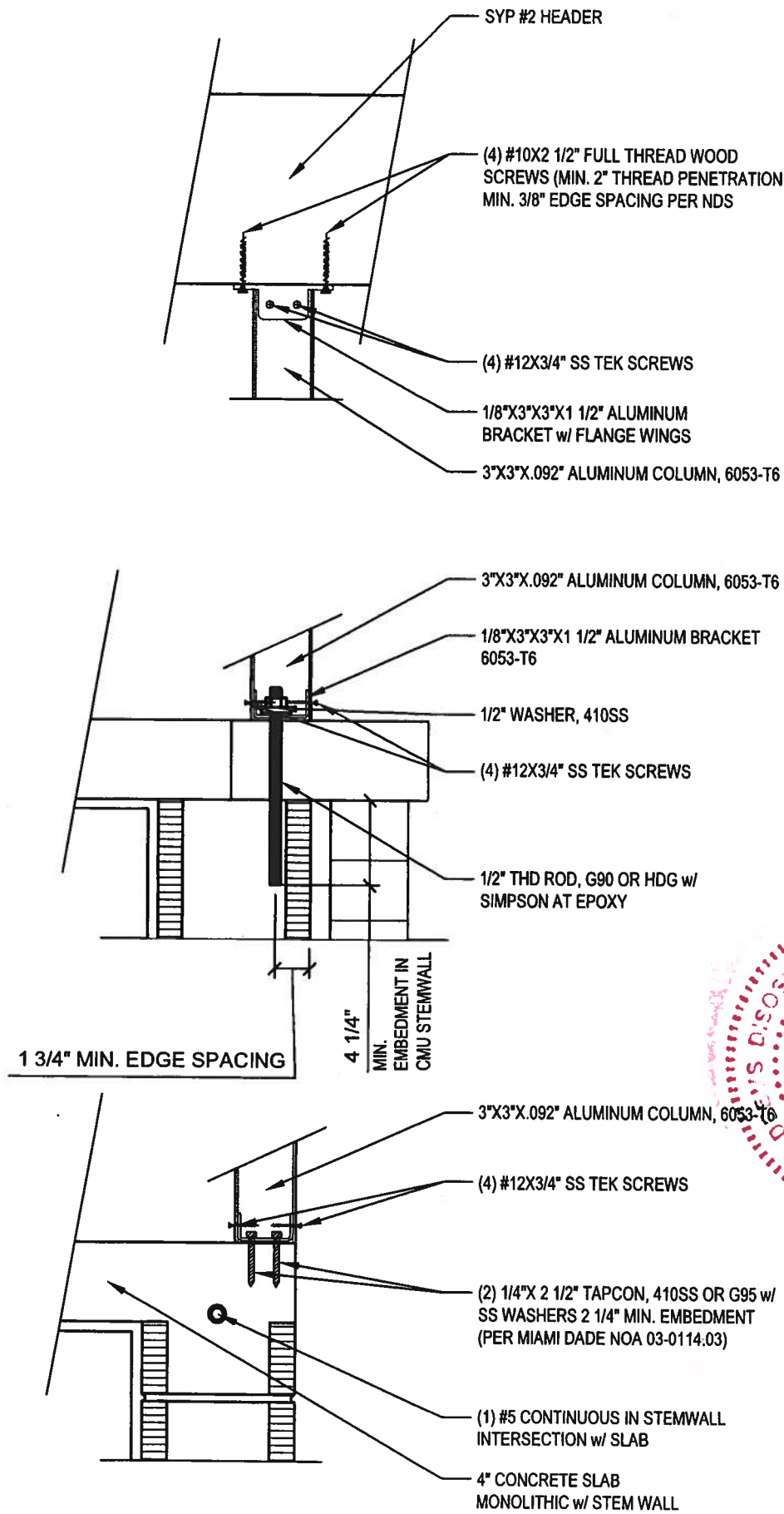
Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to BCSI 1-03 as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning 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.



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K & H Framing / Why? Siding, Inc.	
Spec House Lot 36 Mayfair III S/D	
ADDRESS: Lot 36 Mayfair III S/D Columbia County, Florida	
Mark Disosway P.E. P.O. Box 868 Lake City, Florida 32056 Phone: (386) 754 - 5419 Fax: (386) 269 - 4871	
PRINTED DATE: January 16, 2007	
DRAWN BY: David Disosway	CHECKED BY:
FINALS DATE: 10 / Jul / 06	
JOB NUMBER: 607061	
DRAWING NUMBER	
OF 3 SHEETS	

W44 - ALUMINUM PORCH POST & HEADER ANCHORS

SCALE: N.T.S. REV-09-MAY-04

Permit no 25143

COLUMBIA COUNTY OFFICIAL 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 11-4S-16-02911-336

Building permit No. 000025143

Use Classification SFD/UTILITY

Fire: 39.06

Permit Holder JASON ELIXSON

Waste: 117.25

Owner of Building LAURA VAZQUEZ

Total: 156.31

Location: 535 SW MAYFAIR LANE(MAY-FAIR, LOT 36)

Date: 03/27/2007

Shary Stiles

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)