

DATE 05/05/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000024464

APPLICANT* LINDA RODER PHONE 386.752.2281
ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024
OWNER ROBERT & SHERRY CATO PHONE 386.752.2281
ADDRESS 397 SW GRAY WAY HIGH SPRINGS FL 32643
CONTRACTOR ISAAC BRATKOVICH.ISAAC CONSTR. PHONE 719.7143
LOCATION OF PROPERTY 41-S TO C-778,TR TO GRAY WAY,TL AND THE LOT IS ON THE L.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 129850.00
HEATED FLOOR AREA 2597.00 TOTAL AREA 3654.00 HEIGHT 27.00 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 8'12 FLOOR CONC
LAND USE & ZONING A-3 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO.

PARCEL ID 16-7S-16-10006-215 SUBDIVISION RIVER RISE
LOT 15 BLOCK PHASE UNIT 1 TOTAL ACRES 5.01

000001066 CBC059323
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
18"X32'MITERED 06-0327-N BLK JTH N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE. ONE FOOT ABOVE ROAD. PREVENTATIVE TREATMENT REPORT REC'D.

Check # or Cash 5338

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 650.00 CERTIFICATION FEE \$ 18.27 SURCHARGE FEE \$ 18.27
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 786.54
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

Revised 9-23-04

For Office Use Only: Application # 0604-70 Date Received 4/24/06 By GF Permit # 1066/2AAL
 Application Approved by - Zoning Official BVK Date 27.04.06 Plans Examiner OK JTH Date 4-27-06
 Flood Zone X Per Plat Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments OK 5338

Applicants Name Linda Roder Phone 752-2281
 Address 382 S.W. Kemp Ct. Lake City FL 32024
 Owners Name Robert & Sherry Cato Phone _____
 911 Address 397 S.W. Grey Hwy High Springs, FL 32643
 Contractors Name Isaac Bratkovich Phone _____
 Address PMB 338 2109 W. U.S. Hwy 90 Suite 170 Lake City FL 32055
 Fee Simple Owner Name & Address NA
 Bonding Co. Name & Address NA
 Architect/Engineer Name & Address Will Myers / Mark Desosway
 Mortgage Lenders Name & Address Cte Credit Union
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 16-75-17-10006-215 Estimated Cost of Construction 165,000
 Subdivision Name River Rise Lot 15 Block _____ Unit 1 Phase _____
 Driving Directions Hwy 41 S. R. on County Road 778, Lon Gray Way, Lot on L

Type of Construction SPD Number of Existing Dwellings on Property 0
 Total Acreage 5.01 Lot Size _____ Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 75' Side 141'-10" Side 141'-10" Rear 484'-11"
 Total Building Height 27' Number of Stories 1 Heated Floor Area 2597 Roof Pitch 8-12
Pitches 442 GARAGE AREA TOTAL 3654

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.

For Agent (Including Contractor) Barbara C. Webster
 FLORIDA COMMISSION # DD329279
 EXPIRES JULY 2, 2008
 BONDED TROY PAUL INSURANCE, INC. 800-385-7018

(signed) and subscribed before me
 day of March 2006
 own X or Produced Identification _____

Isaac Bratkovich
 Contractor Signature
 Contractors License Number CBC 059323
 Competency Card Number _____
 NOTARY STAMP/SEAL

Barbara C Webster
 Notary Signature JW call 11 March on 5-5-06

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001066

DATE 05/05/2006 PARCEL ID # 16-7S-16-10006-215
APPLICANT LINDA RODER PHONE 386.752.2281
ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024
OWNER ROBERT & SHERRY CATO PHONE _____
ADDRESS 397 SW GRAY WAY HIGH SPRINGS FL 32643
CONTRACTOR ISAAC CONSTRUCTION PHONE 719.7143
LOCATION OF PROPERTY 41-S TO C-778,TR TO GRAY WAY COURT,TL LOT ON L

SUBDIVISION/LOT/BLOCK/PHASE/UNIT RIVER RISE 15 _____ 1

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.



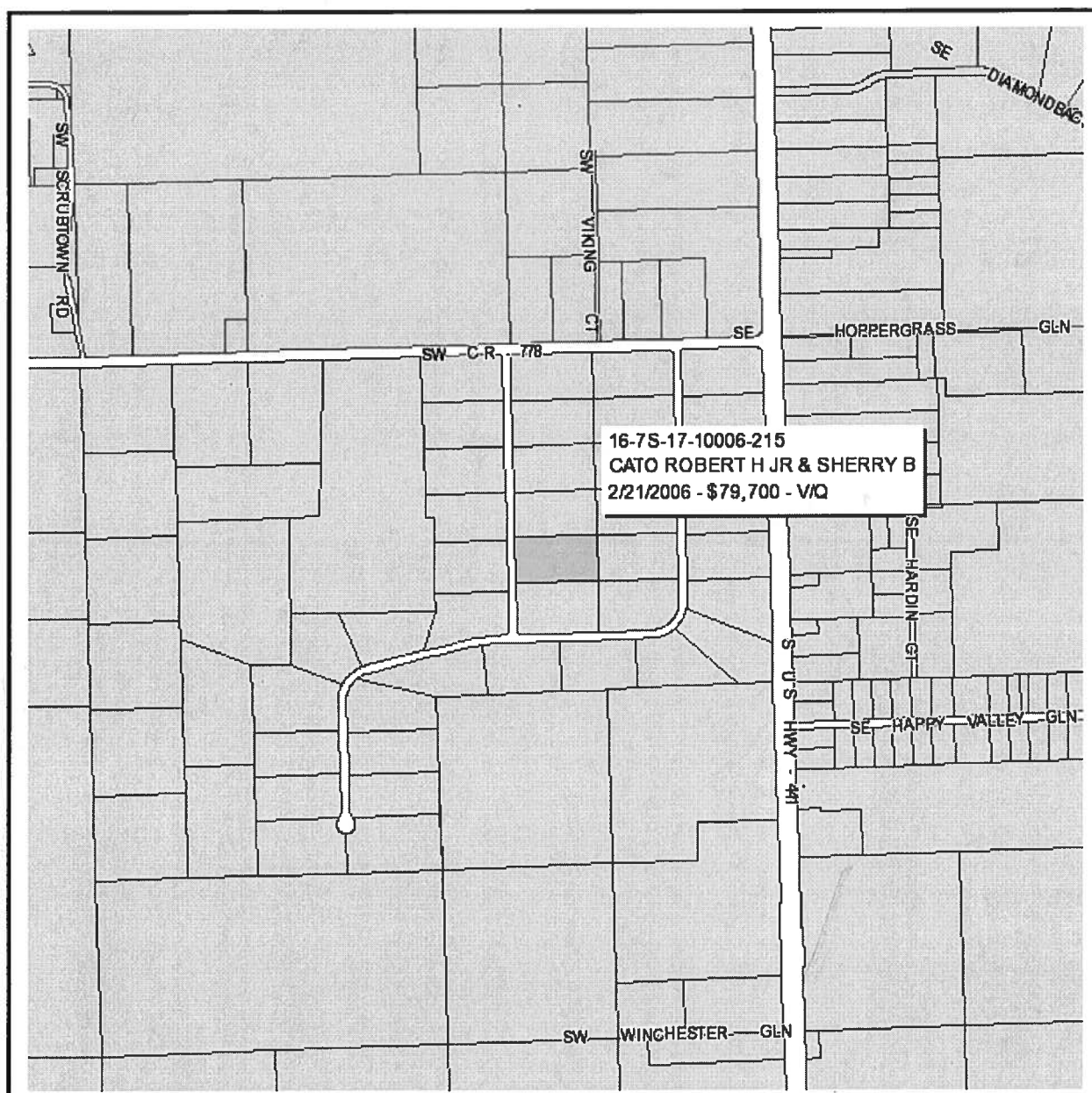
Other _____

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

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

Amount Paid 25.00





Columbia County Property Appraiser

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

PARCEL: 16-7S-17-10006-215 - VACANT (000000)

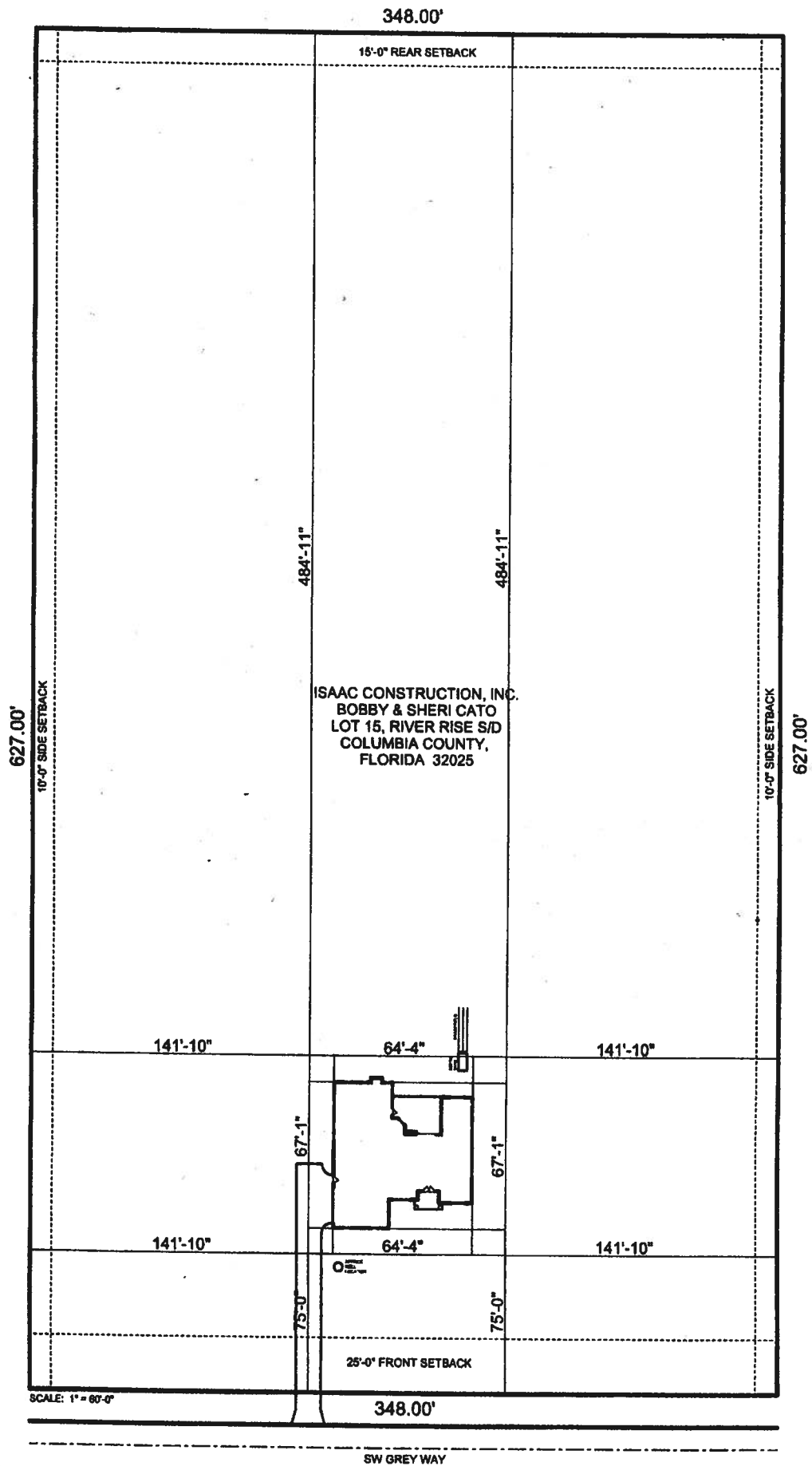
LOT 15 RIVER RISE S/D UNIT 1. WD 1074-2586.

Name:	CATO ROBERT H JR & SHERRY B	LandVal	\$65,000.00
Site:		BldgVal	\$0.00
Mail:	1544 SW 14TH ST	ApprVal	\$65,000.00
	BOCA RATON, FL 33486	JustVal	\$65,000.00
Sales		Assd	\$65,000.00
Info	2/21/2006 \$79,700.00 V / Q	Exmpt	\$0.00
		Taxable	\$65,000.00

0 0.1 0.2 0.3 mi



This information, GIS Map Updated: 4/6/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.



This Document Prepared By and Return to:
Darryl J. Tompkins, Esquire
Darryl J. Tompkins, P.A.
P.O. Box 519
14420 NW 151st Blvd. 32615
Alachua, Florida 32616

Parcel ID Number: 16-7s-17-10006-001 Portion of

Warranty Deed

This Indenture, Made this 21 day of February, 2006 A.D., Between
Nevin G. Summers, a married man

of the County of Anchorage, State of Alaska, grantor, and
Robert H. Cato, Jr. and Sherry B. Cato, husband and wife

whose address is: 1544 SW 14th Street, Boca Raton, FL 33486

of the County of Palm Beach, State of Florida, grantees.

Witnesseth that the GRANTOR, for and in consideration of the sum of

-----TEN DOLLARS (\$10)----- DOLLARS,
and other good and valuable consideration to GRANTOR in hand paid by GRANTEEES, the receipt whereof is hereby acknowledged, has
granted, bargained and sold to the said GRANTEEES and GRANTEEES' heirs, successors and assigns forever, the following described land, situate,
lying and being in the County of Columbia, State of Florida to wit
Lot 15 of RIVER RISE RESIDENTIAL SUBDIVISION UNIT 1, a subdivision,
according to the Plat thereof as recorded in Plat Book 8, Page(s) 51,
of the Public Records of Columbia County, Florida.
Subject to the following:

- A. Zoning restrictions, prohibitions, and other requirements imposed by governmental authority;
- B. Restrictions and matters appearing on the plat and/or common to the subdivision;
- C. Taxes for the year 2006 and subsequent years.

The land described herein is not the homestead of the grantor(s), and neither the grantor(s) nor the grantor(s) spouse, nor anyone for whose support the grantor(s) is responsible, resides on or adjacent to said land

Inst:2006004338 Date:02/22/2006 Time:14:42
Doc Stamp-Deed : 557.90
B DC, P. DeWitt Cason, Columbia County B:1074 P:2586

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

In Witness Whereof, the grantor has hereunto set his hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Mahn Pendegast
Printed Name: Mahn Pendegast
Witness

Darryl J. Tompkins
Printed Name: DARRYL J. TOMPKINS
Witness

Nevin G. Summers (Seal)
Nevin G. Summers
P.O. Address: 11240 Trails End Rd., Anchorage, AK 99507

STATE OF FLORIDA
COUNTY OF ALACHUA

The foregoing instrument was acknowledged before me this 21 day of February, 2006 by
Nevin G. Summers, a married man

he is personally known to me or he has produced his Alaska driver's license as identification.



Marlene Pendegast
My Commission 00246314
Expires September 08 2007

Mahn Pendegast
Printed Name: Mahn Pendegast
Notary Public
My Commission Expires:

NOTICE OF COMMENCEMENT

PERMIT NO.:

TAX FOLIO NO.:

The undersigned, after being first duly sworn, states as follows and verifies that the information set forth in this Notice of Commencement is true to the best of the undersigned's knowledge, information and belief:

1. Description of Property (legal and street address):

UNIT 1 LOT 15 IN RIVER RISE, LAKE CITY, FL 32025

*** SEE ATTACHED LEGAL DESCRIPTION ***

2. General Description of Property: 4 Bedroom/ 3 Bathrooms/ 2-Car Garage SFR

3. Name of Borrower(s): SHERRY B CATO and ROBERT H CATO JR

Address of Borrower(s): 1544 SW 14TH STREET, BOCA RATON, FL 33486-

4. Borrower(s) interest in Property:

5. Name & Address of Fee simple titleholder (if other than Borrower):

6. Builder's Name: Isaac Construction, LLC

Builder's Address: 144 SW Waterford Court, Lake City, FL 32025

7. Name and address of all lending institutions which provide financing for the improvements:

GTE FEDERAL CREDIT UNION

P.O. BOX 172488, TAMPA, FL 33672-0488

8. Name and address of the designee, if any, of the Borrower:

9. Expiration date of this Notice of Commencement is one year from date of recording unless a different date is specified:

Sherry B. Cato
Borrower SHERRY B CATO

Date

Robert H. Cato Jr.
Borrower ROBERT H CATO JR

Date

Borrower

Date

Borrower

Date

STATE OF FLORIDA
COUNTY OF Columbia

The foregoing instrument was subscribed and sworn to before me this

April 14, 2006



1310 (0002)

MW 02/00

VMP MORTGAGE FORMS - (800)621-7291

2/00

Inst:2006009280 Date:04/18/2006 Time:10:24

DC, P. Dewitt Cason, Columbia County B:1080 P:2152

LOT 15, RIVER RISE RESIDENTIAL SUBDIVISION, UNIT 1, A SUBDIVISION ACCORDING
TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 8, PAGE 51, PUBLIC RECORDS OF
COLUMBIA COUNTY, FLORIDA.

Inst:2006009280 Date:04/18/2006 Time:10:24
_____DC,P.Dewitt Cason,Columbia County B:1080 P:2153



Phone (386) 755-3611

Fax (386) 752-5381

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code (FBC) 104.2.6)

Aspen Pest Control, Inc.**(386) 755-3611****State License # - JB109476****State Certification # - JF104376****Robert & Sherry Cato, Columbia County, FL**

Address of Treatment or Lot/Block of Treatment

Bora-Care Wood Treatment – 23% Disodium Octaborate Tetrahydrate

Method of Termite Prevention Treatment – Soil Barrier, Wood Treatment, Bait System, Other

Application onto Structural Wood

Description of Treatment

The above named structure will receive a complete treatment for the prevention of subterranean termites at the dried-in stage of construction. Treatment is done in accordance with the rules and laws established by the Florida Department of Agriculture and Consumer Services and according to EPA registered label directions as stated in Florida Building Code Section 1861.1.8.

Celia Dryden
Authorized Signature

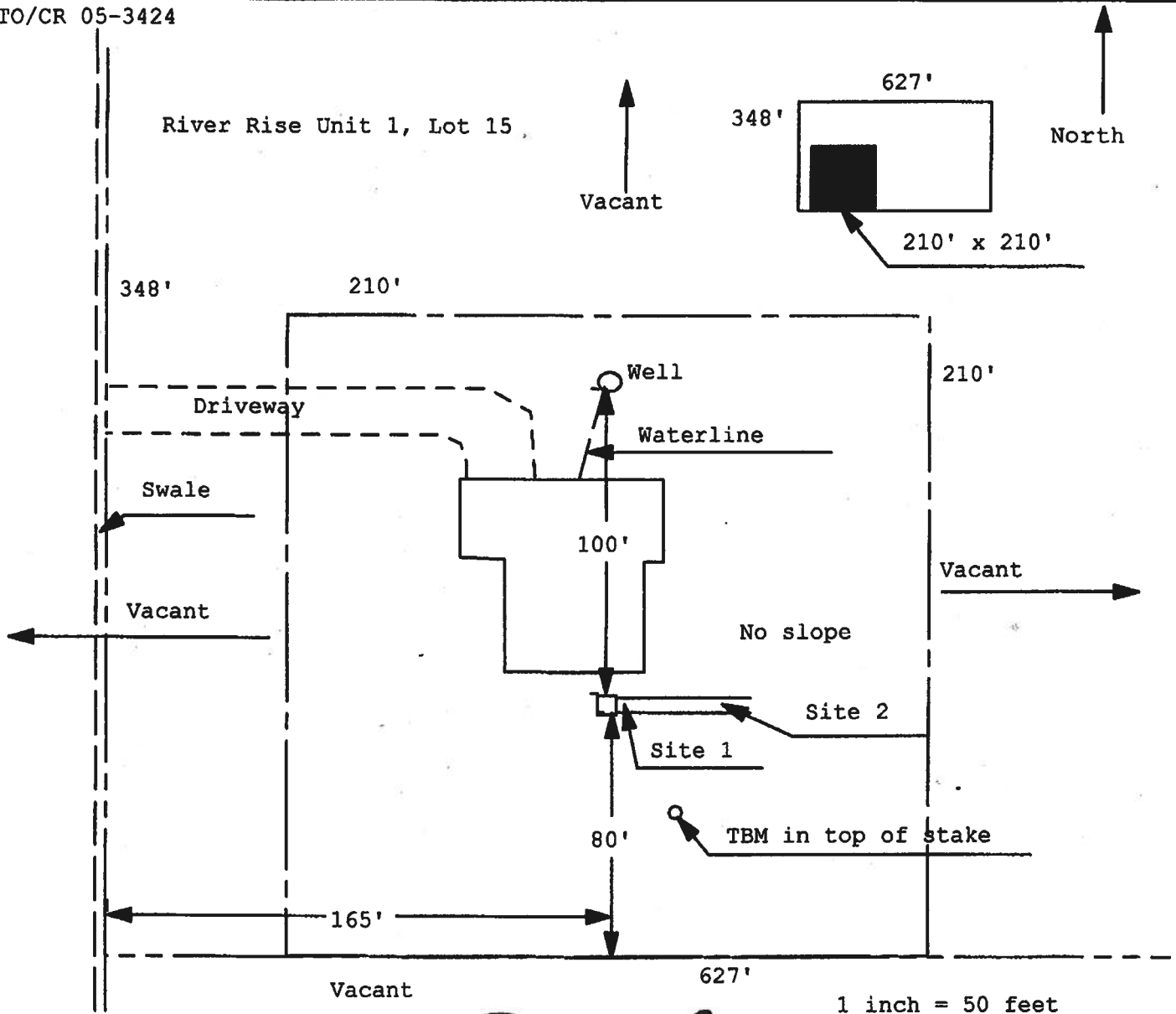
3-21-06
Date

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

Permit Application Number: 06-0327N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CATO/CR 05-3424



1 inch = 50 feet

Site Plan Submitted By Paul P. [Signature]

Date 3/21/06

Plan Approved ☒ Not Approved ☐

Date 4/5/06

By Mr. [Signature]

Columbia

CPHU

Notes:

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name:	Isaac Construction - Cato Res.	Builder:	Isaac Construction, Inc.
Address:	Lot: 15, Sub: River Rise S/D, Plat:	Permitting Office:	Columbia County
City, State:	, FL 32025-	Permit Number:	24464
Owner:	Bobby & Sheri Cato	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 68.0 kBtu/hr SEER: 11.00
3. Number of units, if multi-family	1	b. N/A	
4. Number of Bedrooms	4	c. N/A	
5. Is this a worst case?	No	13. Heating systems	
6. Conditioned floor area (ft²)	2597 ft²	a. Electric Heat Pump	Cap: 68.0 kBtu/hr HSPF: 6.80
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		b. N/A	
a. U-factor:	Description Area	c. N/A	
(or Single or Double DEFAULT) 7a(Sngle Default)	431.0 ft²	14. Hot water systems	
b. SHGC:		a. Electric Resistance	Cap: 50.0 gallons EF: 0.90
(or Clear or Tint DEFAULT) 7b. (Clear)	431.0 ft²	b. N/A	
8. Floor types		c. Conservation credits	
a. Slab-On-Grade Edge Insulation	R=0.0, 290.0(p) ft	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT,
9. Wall types		(CF-Ceiling fan, CV-Cross ventilation,	
a. Frame, Wood, Exterior	R=13.0, 2171.0 ft²	HF-Whole house fan,	
b. Frame, Wood, Adjacent	R=13.0, 340.0 ft²	PT-Programmable Thermostat,	
c. N/A		MZ-C-Multizone cooling,	
d. N/A		MZ-H-Multizone heating)	
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 2700.0 ft²		
b. N/A			
c. N/A			
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft		
b. N/A			

Glass/Floor Area: 0.17

Total as-built points: 38432

Total base points: 38519

PASS

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

PREPARED BY: Will Myers

DATE: 3/21/06

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

OWNER/AGENT: 3-31-06

DATE: [Signature]

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: 15, Sub: River Rise S/D, Plat: , , FL, 32025-

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	2597.0	20.04	9367.9	Single, Clear	W	1.5	10.0	15.0	43.84	0.98	643.7
				Single, Clear	W	1.5	10.0	35.0	43.84	0.98	1502.0
				Single, Clear	N	1.5	10.0	42.0	21.73	0.98	896.0
				Single, Clear	N	3.5	10.0	20.0	21.73	0.89	387.8
				Single, Clear	NW	1.5	10.0	21.0	29.42	0.98	606.6
				Single, Clear	W	18.5	10.0	60.0	43.84	0.42	1095.0
				Single, Clear	W	1.5	10.0	36.0	43.84	0.98	1544.9
				Single, Clear	N	1.5	9.0	24.0	21.73	0.98	508.8
				Single, Clear	N	1.5	9.0	6.0	21.73	0.98	127.2
				Single, Clear	N	1.5	9.0	16.0	21.73	0.98	339.2
				Single, Clear	E	1.5	10.0	30.0	47.92	0.98	1406.4
				Single, Clear	E	9.7	11.0	40.0	47.92	0.55	1050.6
				Single, Clear	E	1.5	10.0	24.0	47.92	0.98	1125.1
				Single, Clear	E	1.5	10.0	28.0	47.92	0.98	1312.6
				Single, Clear	S	1.5	9.0	30.0	40.81	0.94	1155.9
				Single, Clear	S	1.5	9.0	4.0	40.81	0.94	154.1
				As-Built Total:		431.0			13855.9		
WALL TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM = Points		
Adjacent	340.0	0.70	238.0	Frame, Wood, Exterior		13.0		2171.0	1.50		3256.5
Exterior	2171.0	1.70	3690.7	Frame, Wood, Adjacent		13.0		340.0	0.60		204.0
Base Total:				2511.0		3928.7		As-Built Total:		2511.0	
										3460.5	
DOOR TYPES				Area X BSPM = Points		Type			Area X SPM = Points		
Adjacent	20.0	1.60	32.0	Adjacent Insulated				20.0	1.60		32.0
Exterior	0.0	0.00	0.0								
Base Total:				20.0		32.0		As-Built Total:		20.0	
										32.0	
CEILING TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM X SCM = Points		
Under Attic	2597.0	1.73	4492.8	Under Attic		30.0		2700.0	1.73 X 1.00		4671.0
Base Total:				2597.0		4492.8		As-Built Total:		2700.0	
										4671.0	
FLOOR TYPES				Area X BSPM = Points		Type	R-Value		Area X SPM = Points		
Slab	290.0(p)	-37.0	-10730.0	Slab-On-Grade Edge Insulation		0.0		290.0(p)	-41.20		-11948.0
Raised	0.0	0.00	0.0								
Base Total:				-10730.0		As-Built Total:		290.0		-11948.0	

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

ADDRESS: Lot: 15, Sub: River Rise S/D, Plat: , , FL, 32025-

PERMIT #:

BASE				AS-BUILT			
INFILTRATION Area X BSPM = Points				Area X SPM = Points			
2597.0 10.21 26515.4				2597.0 10.21 26515.4			
Summer Base Points: 33606.8				Summer As-Built Points: 36586.8			
Total Summer X System = Cooling Points Multiplier Points				Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)			
33606.8 0.4266 14336.7				(sys 1: Central Unit 68000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 36587 1.00 (1.09 x 1.000 x 1.00) 0.310 0.950 11754.9 36586.8 1.00 1.090 0.310 0.950 11754.9			

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

ADDRESS: Lot: 15, Sub: River Rise S/D, Plat: , , FL, 32025-

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	2597.0	12.74	5955.4	Single, Clear	W	1.5	10.0	15.0	28.84	1.01	435.1
				Single, Clear	W	1.5	10.0	35.0	28.84	1.01	1015.2
				Single, Clear	N	1.5	10.0	42.0	33.22	1.00	1395.5
				Single, Clear	N	3.5	10.0	20.0	33.22	1.01	667.8
				Single, Clear	NW	1.5	10.0	21.0	32.93	1.00	691.2
				Single, Clear	W	18.5	10.0	60.0	28.84	1.22	2109.6
				Single, Clear	W	1.5	10.0	36.0	28.84	1.01	1044.2
				Single, Clear	N	1.5	9.0	24.0	33.22	1.00	797.6
				Single, Clear	N	1.5	9.0	6.0	33.22	1.00	199.4
				Single, Clear	N	1.5	9.0	16.0	33.22	1.00	531.8
				Single, Clear	E	1.5	10.0	30.0	26.41	1.01	802.4
				Single, Clear	E	9.7	11.0	40.0	26.41	1.25	1323.2
				Single, Clear	E	1.5	10.0	24.0	26.41	1.01	641.9
				Single, Clear	E	1.5	10.0	28.0	26.41	1.01	748.9
				Single, Clear	S	1.5	9.0	30.0	20.24	1.02	621.4
				Single, Clear	S	1.5	9.0	4.0	20.24	1.02	82.8
				As-Built Total:				431.0	13107.9		
WALL TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM = Points			
Adjacent	340.0	3.60	1224.0	Frame, Wood, Exterior		13.0	2171.0	3.40	7381.4		
Exterior	2171.0	3.70	8032.7	Frame, Wood, Adjacent		13.0	340.0	3.30	1122.0		
Base Total:				2511.0	9256.7	As-Built Total:		2511.0	8503.4		
DOOR TYPES				Area X BWPM = Points		Type		Area X WPM = Points			
Adjacent	20.0	8.00	160.0	Adjacent Insulated			20.0	8.00	160.0		
Exterior	0.0	0.00	0.0								
Base Total:				20.0	160.0	As-Built Total:		20.0	160.0		
CEILING TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM X WCM = Points			
Under Attic	2597.0	2.05	5323.9	Under Attic		30.0	2700.0	2.05 X 1.00	5535.0		
Base Total:				2597.0	5323.9	As-Built Total:		2700.0	5535.0		
FLOOR TYPES				Area X BWPM = Points		Type	R-Value	Area X WPM = Points			
Slab	290.0(p)	8.9	2581.0	Slab-On-Grade Edge Insulation		0.0	290.0(p)	18.80	5452.0		
Raised	0.0	0.00	0.0								
Base Total:				2581.0	As-Built Total:		290.0	5452.0			

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

ADDRESS: Lot: 15, Sub: River Rise S/D, Plat: , , FL, 32025-

PERMIT #:

BASE				AS-BUILT			
INFILTRATION Area X BWPM = Points				Area X WPM = Points			
2597.0	-0.59	-1532.2		2597.0	-0.59	-1532.2	
Winter Base Points: 21744.8				Winter As-Built Points: 31226.0			
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)			
21744.8	0.6274	13642.7		(sys 1: Electric Heat Pump 68000 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 31226.0 1.000 (1.069 x 1.000 x 1.00) 0.501 0.950 15902.4 31226.0 1.00 1.069 0.501 0.950 15902.4			

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

ADDRESS: Lot: 15, Sub: River Rise S/D, Plat: , , FL, 32025-

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
4		2635.00	10540.0	50.0	0.90	4		1.00	2693.56
				As-Built Total:				10774.2	

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+	Heating Points	+ Hot Water Points = Total Points	Cooling Points	+	Heating Points	+ Hot Water Points = Total Points
14337		13643	10540 38519	11755		15902	10774 38432

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 15, Sub: River Rise S/D, Plat: , , FL, 32025-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.2

The higher the score, the more efficient the home.

Bobby & Sheri Cato, Lot: 15, Sub: River Rise S/D, Plat: , , FL, 32025-

1. New construction or existing	New	___	12. Cooling systems		
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 68.0 kBtu/hr	___
3. Number of units, if multi-family	1	___		SEER: 11.00	___
4. Number of Bedrooms	4	___	b. N/A		___
5. Is this a worst case?	No	___			___
6. Conditioned floor area (ft ²)	2597 ft ²	___	c. N/A		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___			___
a. U-factor:	Description Area		13. Heating systems		
(or Single or Double DEFAULT)	7a(Sngle Default) 431.0 ft ²	___	a. Electric Heat Pump	Cap: 68.0 kBtu/hr	___
b. SHGC:		___		HSFP: 6.80	___
(or Clear or Tint DEFAULT)	7b. (Clear) 431.0 ft ²	___	b. N/A		___
8. Floor types		___			___
a. Slab-On-Grade Edge Insulation	R=0.0, 290.0(p) ft	___	c. N/A		___
b. N/A		___			___
c. N/A		___	14. Hot water systems		
9. Wall types		___	a. Electric Resistance	Cap: 50.0 gallons	___
a. Frame, Wood, Exterior	R=13.0, 2171.0 ft ²	___		EF: 0.90	___
b. Frame, Wood, Adjacent	R=13.0, 340.0 ft ²	___	b. N/A		___
c. N/A		___			___
d. N/A		___	c. Conservation credits		___
e. N/A		___	(HR-Heat recovery, Solar		___
10. Ceiling types		___	DHP-Dedicated heat pump)		___
a. Under Attic	R=30.0, 2700.0 ft ²	___	15. HVAC credits	PT, ___	___
b. N/A		___	(CF-Ceiling fan, CV-Cross ventilation,		___
c. N/A		___	HF-Whole house fan,		___
11. Ducts(Leak Free)		___	PT-Programmable Thermostat,		___
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 50.0 ft	___	MZ-C-Multizone cooling,		___
b. N/A		___	MZ-H-Multizone heating)		___

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

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip: _____



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

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

Energy Code Compliance

Duct System Performance Report

Project Name:	Isaac Construction - Cato Res.	Builder:	Isaac Construction, Inc.
Address:		Permitting Office:	Columbia County
City, State:	, FL 32025-	Permit Number:	
Owner:	Bobby & Sheri Cato	Jurisdiction Number:	
Climate Zone:	North		

Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25(tot)	_____ cfm25(out)
2	System2	_____ cfm25(tot)	_____ cfm25(out)
3	System3	_____ cfm25(tot)	_____ cfm25(out)
4	System4	_____ cfm25(tot)	_____ cfm25(out)
5	Total House Duct System Leakage	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ ($Q_{n,tot}$) ☐ Receive credit if $Q_{n,tot} \leq 0.03$	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ ($Q_{n,out}$) ☐ Receive credit if $Q_{n,out} \leq 0.03$ AND $Q_{n,tot} \leq 0.09$

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: _____

Printed Name: _____

Florida Rater Certification #: _____

DATE: _____

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: <http://energygauge.com/search.htm>



BUILDING OFFICIAL: _____

DATE: _____

FROM :

FAX NO. : 386-755-7022

Sep. 17 2002 01:52PM P1

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1334

FAX (904) 755-7022

~~XXXXXXXXXXXXXXXXXXXX~~
LAKE CITY, FLORIDA 32055

904 NW Main Blvd.

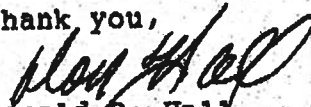
June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphragm tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,


Donald D. Hall
DDH/jk

COLUMBIA COUNTY BUILDING DEPARTMENT

**RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR
FLORIDA BUILDING CODE 2001**

ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

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

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

APPLICANT -- PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
☒	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☒	☐	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☒	☐	<u>Site Plan including:</u> a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☒	☐	<u>Wind-load Engineering Summary, calculations and any details required</u> a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure -- if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
☒	☐	<u>Elevations including:</u> a) All sides b) Roof pitch c) Overhang dimensions and detail with attic ventilation d) Location, size and height above roof of chimneys e) Location and size of skylights f) Building height g) Number of stories

- ☒ ☐
- ☒ ☐
- ☒ ☐

- ☒ ☐

- ☐ ☐

- ☒ ☐

- ☒ ☐

- ☒ ☐

- ☒ ☐

- ☐ ☐

- ☒ ☐

no
☒ ☐

- ☐ ☐

Floor Plan including:

- a) Rooms labeled and dimensioned
- b) Shear walls
- c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- f) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

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

Roof System:

- a) Truss package including:
 - 1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
 - 2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- b) Conventional Framing Layout including:
 - 1. Rafter size, species and spacing
 - 2. Attachment to wall and uplift
 - 3. Ridge beam sized and valley framing and support details
 - 4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- a) Masonry wall
 - 1. All materials making up wall
 - 2. Block size and mortar type with size and spacing of reinforcement
 - 3. Lintel, tie-beam sizes and reinforcement
 - 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
 - 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
 - 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
 - 7. Fire resistant construction (if required)
 - 8. Fireproofing requirements
 - 9. Shoe type of termite treatment (termicide or alternative method)
 - 10. Slab on grade
 - a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
 - 11. Indicate where pressure treated wood will be placed
 - 12. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

☒☐**b) Wood frame wall**

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termicide or alternative method)
11. Slab on grade
 - a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

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

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout**Electrical layout including:**

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment

HVAC information

- a) Manual J sizing equipment or equivalent computation
- b) Exhaust fans in bathroom

Energy Calculations (dimensions shall match plans)**Gas System Type (LP or Natural) Location and BTU demand of equipment****Disclosure Statement for Owner Builders****Notice Of Commencement****Private Potable Water**

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

☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☐☐☐☐☐☐

Florida Building Code Online



Building Code Information System

FLORIDA BUILDING CODE

Overview User Registration Organization Auditor Search Organization Accreditation

Select the organization type, status, or name to find an organization

Organization Type: Product Manufacturer

Approval Status: (All)

Organization Name: General American Door - Product Manufacturer

Cancel

Search

Result List for Organizations

Displaying 1-1 of 1

Name	City	Contact	Phone	Type	Expiry	Status
General American Door	Manassas	James Campbell	603/3591000	Product Manufacturer	01/01/2009	Approved
Org Code: FDM	System ID: 3585	Site Link: www.gadco.com				

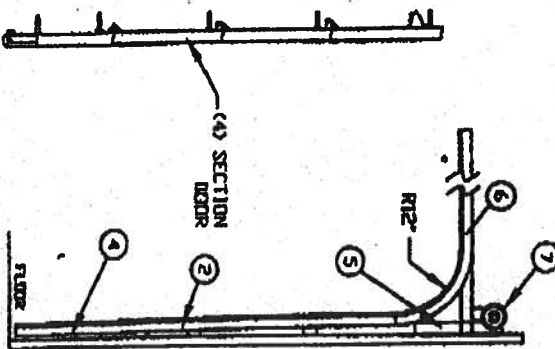
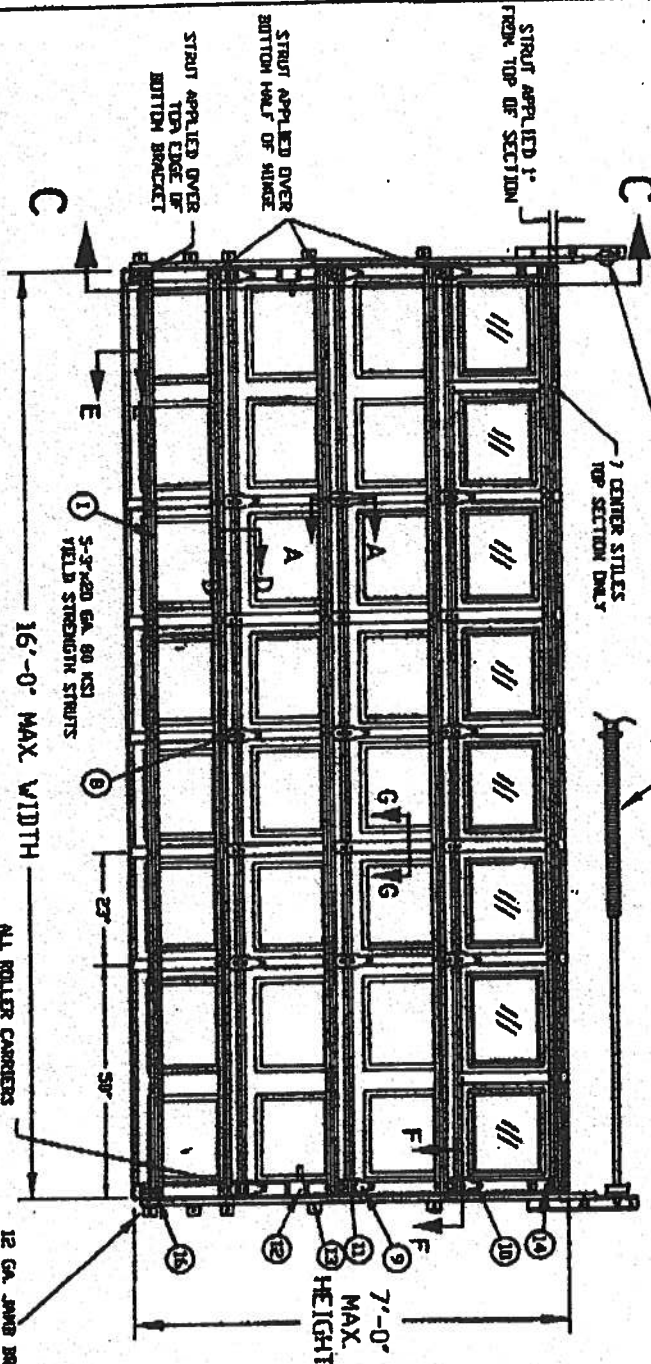
Displaying 1-1 of 1

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NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF TESTED AND POSITIVE AND NEGATIVE TO PSF TEST PRESSURES PER ASTM E-530
2. MEDIUM SECTION HEIGHT: 21"
3. SECTION HEIGHTS OF 21" AND 19.5" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS TEST HEIGHTS.
4. VARIOUS MAY BE INSTALLED IN THE TOP SECTION, AS TESTED WITH LOW ESB GLASS OR EQUIVALENT, OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MEDIUM LENGTH OF 66" OR 84" AS TESTED
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SERIAL.
7. STRUTS SECURED AT ALL LOCATIONS WITH TIE SCREWS.
8. QUANTITY OF TIE SCREWS CAN BE Q1, Q2 OR Q3 AS TESTED.
9. DROP IN TYPE OF INSULATION IS OPTIONAL.

NOT PART OF WIND LOAD SYSTEM
EXTENSION SPRING COUNTERBALANCE
TENSION SPRING COUNTERBALANCE



SEC C-C
VERTICAL
TRACK, (16 GA.)

12 GA. JAMB BRACKETS, MAXIMUM SPACING = 19-1/2" WITH
LIVEST BRACKET APPROX. 3" FROM FLUOR, END BRACKET
NEAR THE HORIZONTAL 5" OF THE BOTTOM SECTION, AND 3RD
BRACKET NEAR THE TOP OF THE BOTTOM SECTION

INSIDE ELEVATION

16'-0" MAX WIDTH

ALL ROLLER CARRIERS
AND ROLLERS ARE 14 GA.

5-3/4" DIA. GA. 80 KSI
YIELD STRENGTH STRUTS

STRUT APPLIED OVER
TOP EDGE OF
BOTTOM BRACKET

STRUT APPLIED OVER
BOTTOM HALF OF JAMB

STRUT APPLIED 1"
FROM TOP OF SECTION

7" CENTER STILES
TOP SECTION ONLY

The seal on this drawing only
represents the product
illustrated and described
herein. The seal on this
drawing only represents the
product illustrated and
described herein. The seal
on this drawing only represents
the product illustrated and
described herein.



TEST REPORTS ON FILE [VIBRO BW/19/78] 008230

DESIGN LOAD +200 PSF & -200 PSF
TEST LOAD +300 PSF & -300 PSF



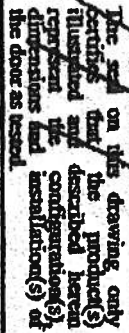
GENERAL AMERICAN DOOR COMPANY
3050 BASELINE ROAD
HOMERIDGE, IL 60538



AMERICAN DOOR COMPANY
15 X 7" MAX. RAISED PANEL STEEL DOOR - WINDLOAD 200 PSF

GADCO DOORS			
SERIES 7400, EXTERIOR STEEL - 407 NON CAS TESTED			
SERIES 7800, EXTERIOR STEEL - 407 NON A			
SERIES 7824, EXTERIOR STEEL - 407 NON A			
TESTED WITH VARIOUS			
MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	VERTICAL CYCLE SPACING	STILES DO NOT USE
16'	7'	23"	3"
			5"
			2 IN.

DOOR SIZE	DOOR HEIGHT	DOOR WIDTH	DOOR THICKNESS
15 X 7"	7'	16'	2 IN.



I

**AAMA/NWDA 101/LS2-97
TEST REPORT SUMMARY**

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650 Fm

TYPE: Aluminum Single Hung Window

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

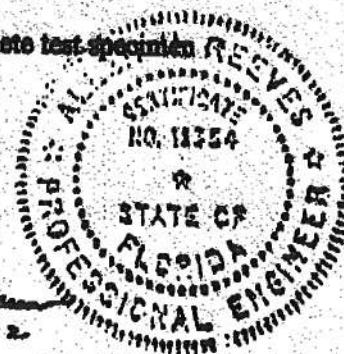
Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.


Mark A. Hess, Technician

MAH:nib


1 APRIL 2002



II

Architectural Testing

AAMA/NWWDA 101/LS-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. (ATT) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethtown, 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/LS-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

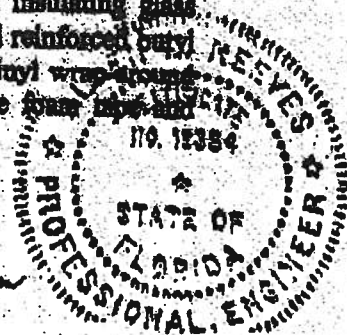
Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 3/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap-around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

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

Allen N. Reeves
1 APRIL 2002



III

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

Allen H. Reeves
1 APRIL 2002



IV

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max
	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 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 H. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

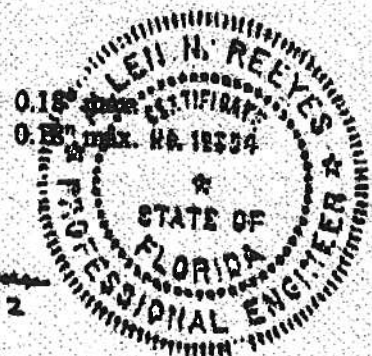
Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced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

Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 5.00 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
1 APRIL 2002

VI

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:



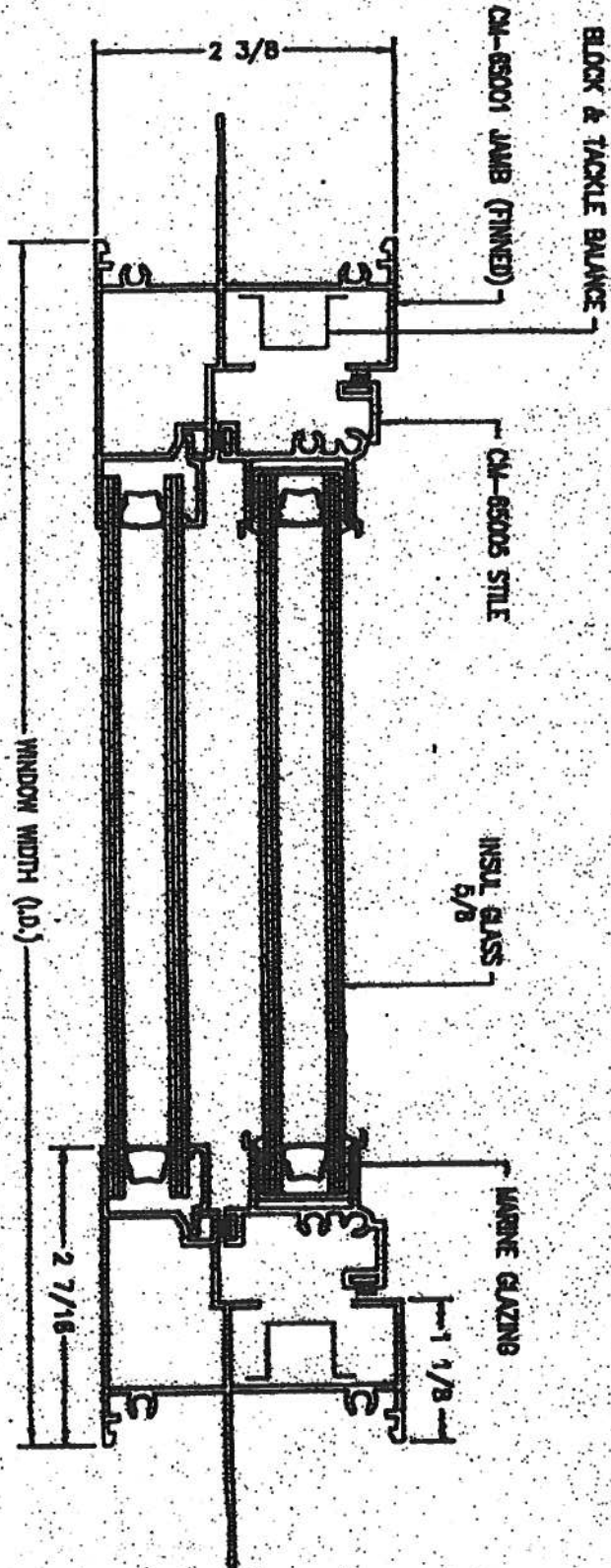
Mark A. Heas
Technician

MAH:nib
01-41134.01



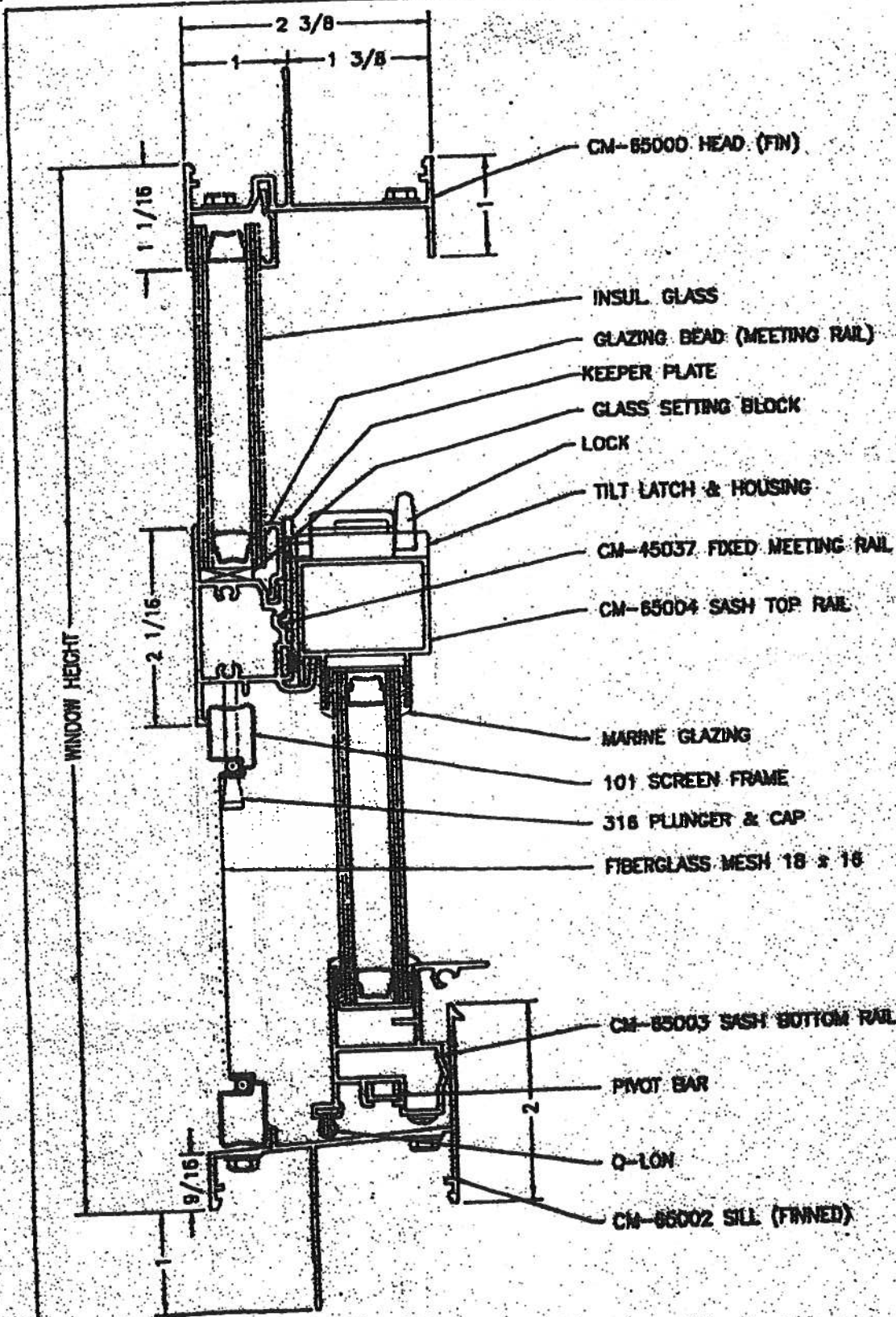
Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002





MI HOME PRODUCTS 650 SH FINN JAMB INSULATED GLASS HORIZONTAL CROSS SECTION 650-AS2			
DATE	4-7-02	BY	FWL
SCALE	1/8" = 1'-0"	REV	0
TITLE	650 SH FINN JAMB INSULATED GLASS HORIZONTAL CROSS SECTION		
PROJECT	650-AS2		

650-AS1 A



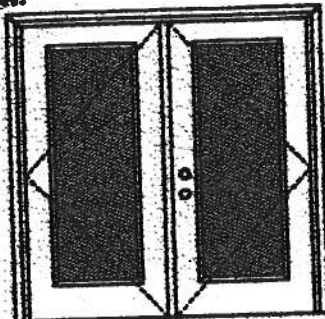
MI HOME PRODUCTS 650 WEST BARKET STREET - GIBTZ, PA - 17036-0370			
TITLE 650 SH FIN MAIN FRAME VERTICAL CROSS SECTION			
DESIGNED BY Y.M.R.	DATE 4-7-82	DRAWN BY FULL	PART NO. 650-AS1

A

XX

Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:****Note:**

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

Double Door

Maximum unit size = 6'6" x 6'6"

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-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:**

107 Series



123, 125 Series



136 Series



422 Series



422 Series

1/2 GLASS:

105 Series*



105, 160 Series*



129 Series*



200 Series*



12 RA, 23 RA, 24 RA Series*



107 Series*



108 Series



304 Series

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

Johnson
EntrySystems

March 25, 2002

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Exclusively from

Masonite

Masonite International Corporation

XX**Glazed Outswing Unit**

COP-VL-JH1102-02

WOOD-EDGE STEEL DOORS**APPROVED DOOR STYLES:****3/4 GLASS:****FULL GLASS:****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 66533

Johnson
EntrySystems

March 28, 2002

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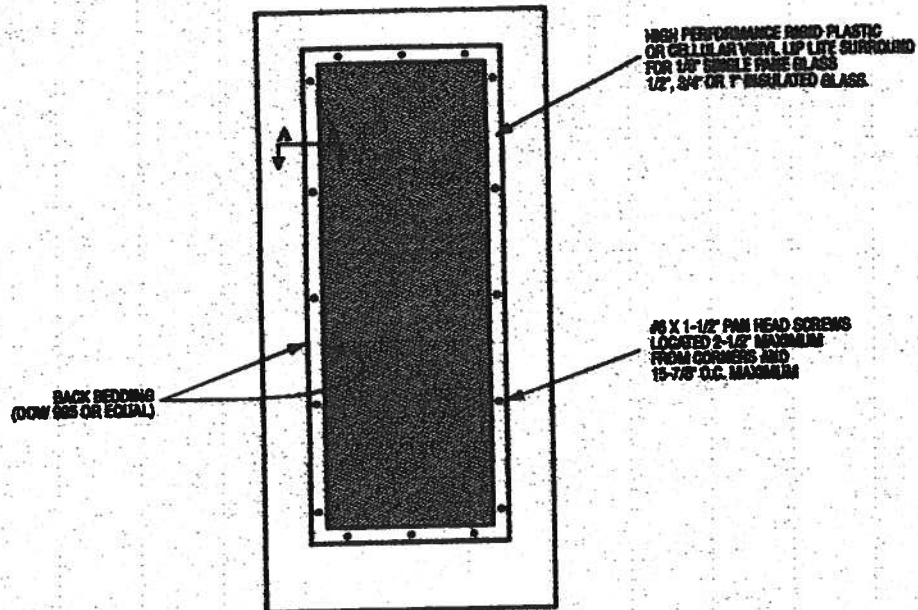
Exclusively from

Masonite

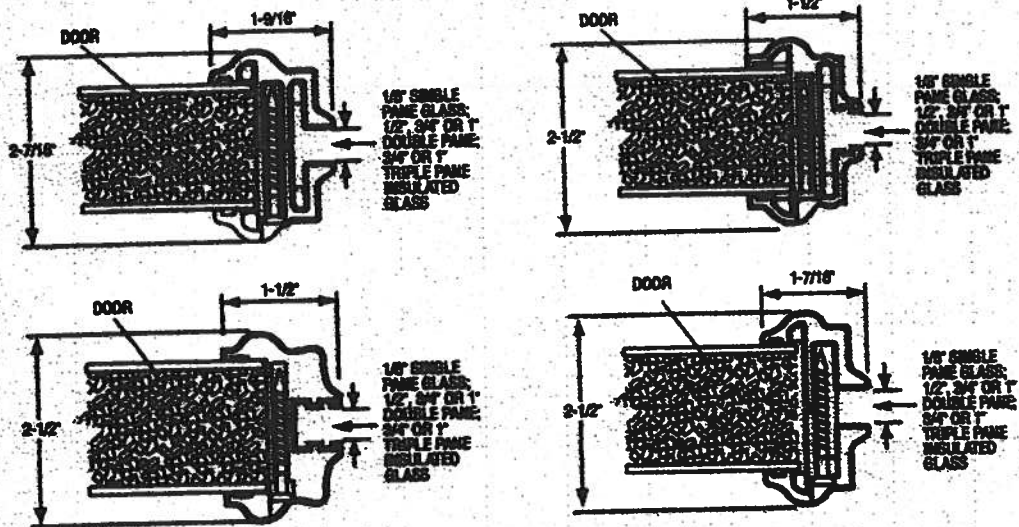
Masonite International Corporation

MAD-WL-MA8041-02

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND



March 22, 2002
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PREMIER *Masonite*
Forever Quality Doors

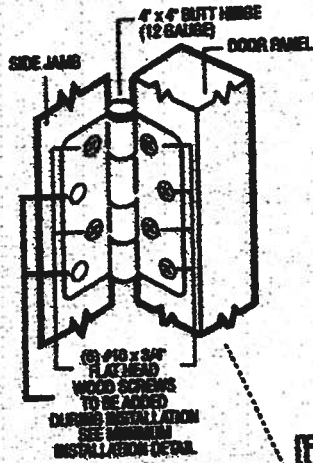
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Masonite International Corporation

XX
Unit

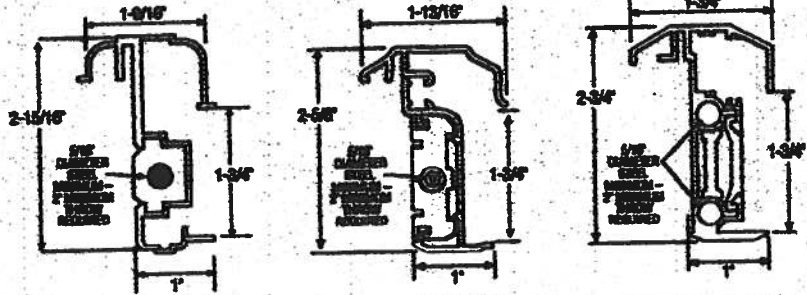
10AD-WL WA0012-02

OUTSWING UNITS WITH DOUBLE DOOR

TYPICAL HINGE ATTACHMENT



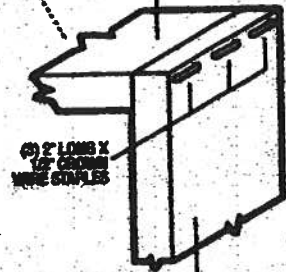
TYPICAL ASTRAL PROFILES



ALUMINUM EXTRUDED ASTRAL (0.08" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDRICAL DEADBOLT LOCATIONS. ATTACH WITH #6 X 1" PAN HEAD SCREWS - LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.

TYPICAL HEADER & SIDE JAMB ATTACHMENT

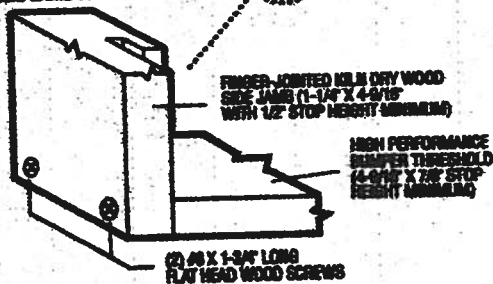
FINGER-JOINTED KILN DRY WOOD
FRAME HEADER (1-1/4" X 4-9/16"
WITH 1/2" STOP HEIGHT MINIMUM)



FINGER-JOINTED
KILN DRY WOOD
SIDE JAMB
(1-1/4" X 4-9/16"
WITH 1/2" STOP
HEIGHT MINIMUM)

(2) FOR 7'0" HEIGHT
OR SMALLER
(4) FOR HEIGHTS
GREATER THAN 7'0"

TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



March 29, 2002

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PREMIER
Premium Quality Doors



Exclusively from

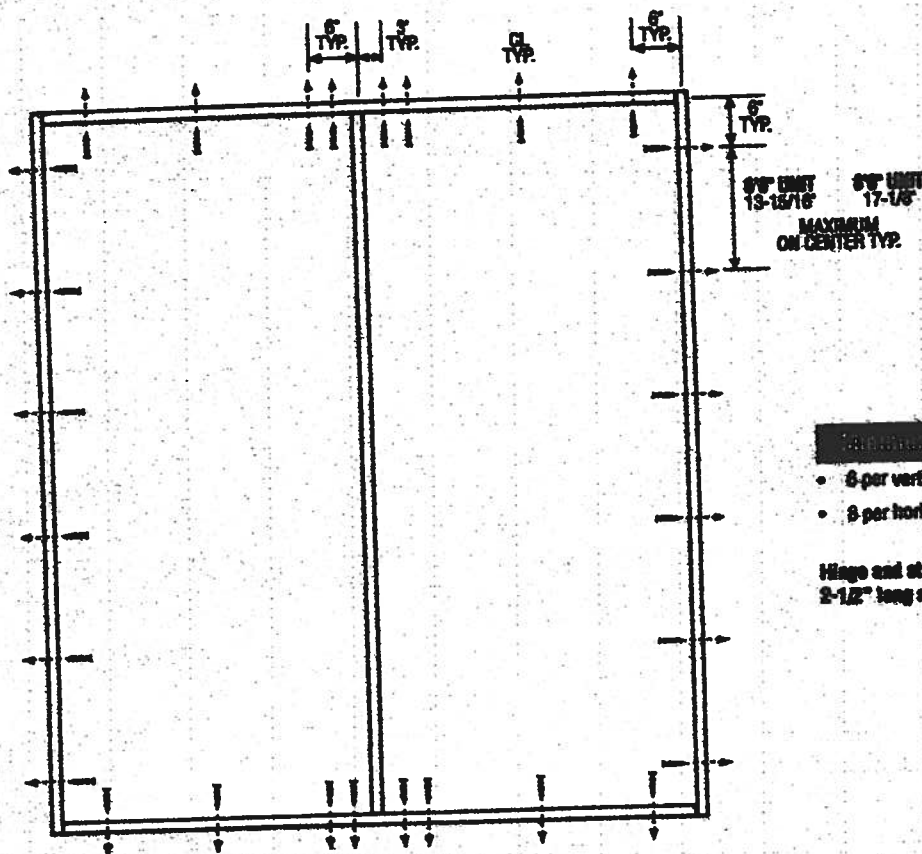
Masonite

Masonite International Corporation

XX
Unit

IMD VII WA0007-02

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2\"

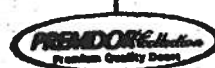
Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16\"
2. The wood screw single shear design values come from Table 11.3A of ANSI/APA NDS for southern pine lumber with a side member thickness of 1-1/4\"
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

March 29, 2002
Our continuing program of product improvement makes specifications, design and product subject to change without notice.



Exclusively from

Masonite

Masonite International Corporation



FEB - 4 REC'D

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

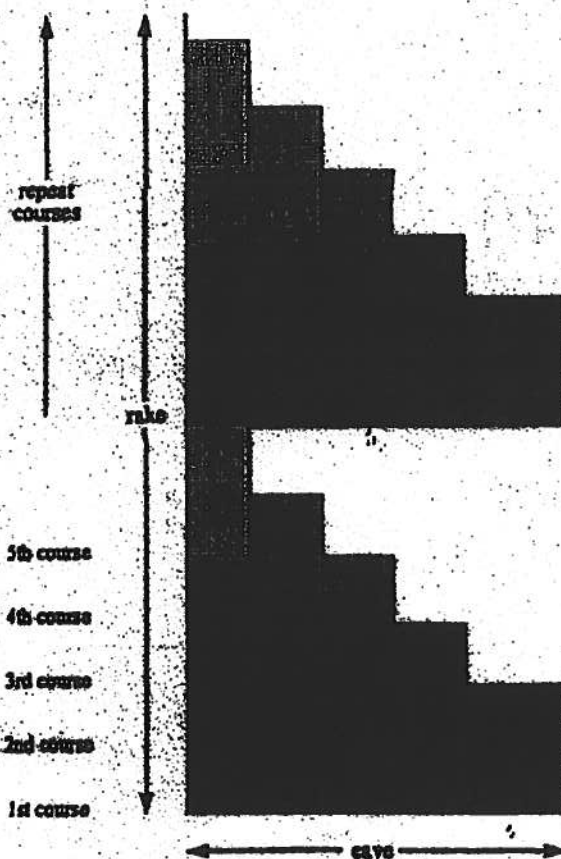
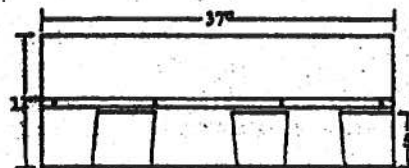
TAMKO Roofing Products, Inc.

CORPORATE HEADQUARTERS
220 W. FOURTH STREET P.O. BOX 1404 JOPLIN, MO 64802-1404 800-641-4691 FAX 800-641-1925



Application Instructions For Heritage® 25 Series Shingles

SPECIFICATIONS (APPROX.)	
Length	37"
Width	12"
Bundles per Sq.	3
Shingles per Sq.	78
Shingles per Bundle	26
Coverage per Sq. (Sq. Ft.)	100
Exposure	5"



The 4 cuts in the first 10 courses:



In the first 10 courses, there are 4 cuts and no waste.

When you reach the other side of the roof, whatever has to be trimmed off can be used in the field of roofing.

For additional application information consult the application instructions printed on the product package.

NOTE: These application instructions apply only to Heritage 25 and Heritage 25 AR shingles.



Application Instructions for

- Glass-Seal
 - Glass-Seal AR
 - Elite Glass-Seal®
 - Elite Glass-Seal® AR
- THREE-TAB ASPHALT SHINGLES**

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS. THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER. IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF SUEK

These shingles are for application to roof decks capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and ridges.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thick and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be at 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement
3. Rotting of wood members
4. Premature failure of roof

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents.

ASHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

3. FASTENING

NAILS: TAMKO recommends the use of nails as the preferred method of application.

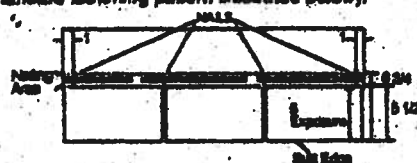
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These

conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

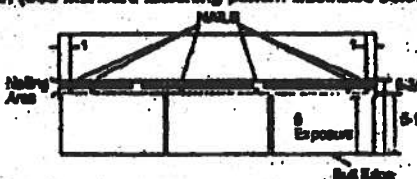
Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or gusts exceeding gale force. Gale force shall be the standard as defined by the U.S. Weather Bureau.

FASTENING PATTERNS: Fasteners must be placed above or below the factory applied sealant in an area between 5-1/2" and 8-3/4" from the butt edge of the shingle. Fasteners should be located horizontally according to the diagram below. Do not nail into the sealant. TAMKO recommends nailing below the sealant whenever possible for greater wind resistance.

- 1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1 in. back from each end and one 12 in. back from each end of the shingle for a total of 4 fasteners. (See standard fastening pattern illustrated below).



- 2) Mansard or High Wind Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) One fastener 1 in. back from each end and one fastener 10-1/2 in. back from each end and one fastener 13-1/2 in. back from each end for a total of 6 fasteners per shingle. (See Mansard fastening pattern illustrated below.)



NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12-gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in.

(Continued)

Visit Our Web Site at
www.tamko.com

Central District	220 West 4th St., Joplin, MO 64801
Northeast District	4500 Tamko Dr., Frederick, MD 21701
Southeast District	2300 35th St., Tuscaloosa, AL 35401
Southwest District	7910 S. Central Exp., Dallas, TX 75216
Western District	5300 East 43rd Ave., Denver, CO 80216

800-641-4691
800-368-2066
800-228-2886
800-443-1834
800-830-8868

07/01

TAMKO

ROOFING PRODUCTS

(CONTINUED from Pg. 2)

• Glass-Seal
• Glass-Seal AR

• Elite Glass-Seal®
• Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a 3.25 piece and applied to shingles with a 5 in. exposure, use 6 fasteners per shingle. See Section 3 for the Nansard Fastening Pattern.

5. RE-ROOFING

Before re-roofing, be certain to inspect the roof decks. All plywood shall meet the requirements listed in Section 1.

Nail down or remove curled or broken shingles from the existing roof. Replace all missing shingles with new ones to provide a smooth base. Shingles that are buckled usually indicate warped decking or protruding nails. Hammer down all protruding nails or remove them and refasten in a new location. Remove all drip edge metal and replace with new.

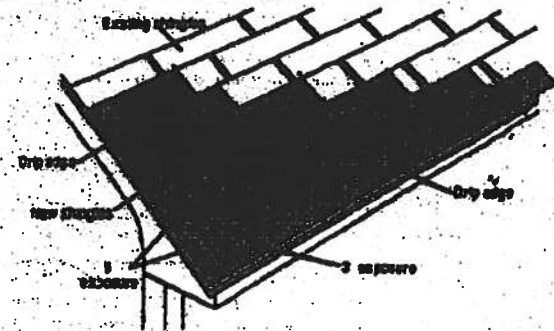
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus waterproofing underlayment. Contact TAMKO's Technical Services Department for more information.

The nailing pattern described below is the preferred method for re-roofing over square tab shingles with a 5 in. exposure.

Starter Courses: Begin by using TAMKO Shingle Starter or by cutting shingles into 5 x 36 inch strips. This is done by removing the 5 in. tabs from the bottom and approximately 2 in. from the top of the shingles so that the remaining portion is the same width as the exposure of the old shingles. Apply the starter place so that the self-sealing adhesive lies along the eaves and is even with the existing roof. The starter strip should be wide enough to overhang the eaves and carry water into the gutter. Remove 3 in. from the length of the first starter shingle to ensure that the joints from the old roof do not align with the new.

First Course: Cut off approximately 2 in. from the bottom edge of the shingles so that the shingles fit beneath the existing third course and align with the edge of the starter strip. Start the first course with a full 36 in. long shingle and fasten according to the instructions printed in Section 3.

Second and Subsequent Courses: According to the off-set application method you choose to use, remove the appropriate length from the



rake end of the first shingle in each succeeding course. Place the top edge of the new shingle against the butt edge of the old shingles in the courses above. The full width shingles used on the second course will reduce the exposure of the first course to 3 in. The remaining courses will automatically have a 5 in. exposure.

6. VALLEY APPLICATION

Over the shingle underlayment, center a 36 in. wide sheet of TAMKO Nail-Past® or a minimum 80 lb. re-roofing in the valley. Nail the felt only where necessary to hold it in place and then only nail the outside edges.

IMPORTANT: PRIOR TO INSTALLATION WARM SHINGLES TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES TO FORM VALLEY.

• Apply the first course of shingles along the eaves of one of the intersecting roof planes and across the valley.

Note: For proper flow of water over the trimmed shingle, always start applying the shingles on the roof plane that has the lower slope or less height.

- Extend the end shingle at least 12 in. onto the adjoining roof. Apply succeeding courses in the same manner, extending them across the valley and onto the adjoining roof.
- Do not trim if the shingle length exceeds 12 in. Lengths should vary.
- Press the shingles tightly into the valley.
- Use normal shingle fastening methods.

Note: No fastener should be within 6 in. of the valley centerline, and two fasteners should be placed at the end of each shingle crossing the valley.

• To the adjoining roof plane, apply one row of shingles extending it over previously applied shingles and trim a minimum of 2 in. back from the centerline of the valley.

Note: For a faster installation, snap a chalkline over the shingles for guidance.

• Clip the upper corner of each shingle at a 45-degree angle and embed the end of the shingle in a 3 in. wide strip of asphalt plastic cement. This will prevent water from penetrating between the courses by directing it into the valley.

• **CAUTION:** Adhesive must be applied in smooth, thin, even layers.

Excessive use of adhesive will cause blistering in this product.

TAMKO assumes no responsibility for blistering.



(Continued)

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07/01



(CONTINUED from Pg. 3)

• Glass-Seal
• Glass-Seal AR

• Elite Glass-Seal®
• Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

FOR ALTERNATE VALLEY APPLICATION METHODS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT.

18. HIP AND RIDGE FASTENING DETAIL.

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener 5-1/2 in. back from the exposed end and 1 in. up from the edge. Do not nail directly into the sealant.

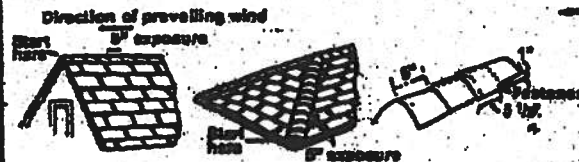
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

NOTE: AR type shingle products should be used as Hip & Ridge on Glass-Seal AR and Elite Glass-Seal AR shingles.

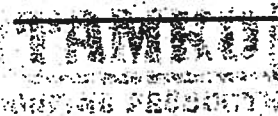
Fasteners should be 1/4 in. longer than the one used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHEN BENDING SHINGLES IN COOL WEATHER.

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.



THIS PRODUCT IS COVERED BY A LIMITED WARRANTY. THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.



IMPORTANT - READ CAREFULLY BEFORE OPENING BUNDLE

In this paragraph "You" and "Your" refer to the installer of the shingles and the owner of the building on which these shingles will be installed. This is a legally binding agreement between You and TAMKO Roofing Products, Inc. ("TAMKO"). By opening this bundle You agree: (a) to install the shingles strictly in accordance with the instructions printed on this wrapper; or (b) that shingles which are not installed strictly in accordance with the instructions printed on this wrapper are sold "AS IS" and are not covered by the limited warranty that is also printed on this wrapper, or any other warranty, including, but not limited to (except where prohibited by law) implied warranties of MERCHANTABILITY and FITNESS FOR USE.

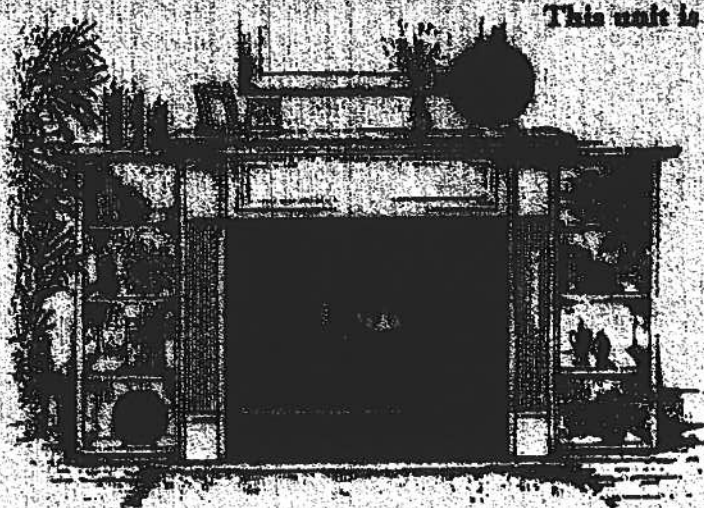
Visit Our Web Site at
www.tamko.com

Central District	220 West 4th St., Joplin, MO 64801	800-841-4891
Northeast District	4600 Tamko Dr., Frederick, MD 21701	800-368-2055
Southeast District	2300 35th St., Tuscaloosa, AL 35401	800-228-2856
Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1834
Western District	5300 East 43rd Ave., Denver, CO 80216	800-530-8888

0701

VENT-REEN

This unit is A.G.A. certified as a heater with 99% heat efficiency.
No chimney or flue system required.
Wide selection of factory installed options offered.

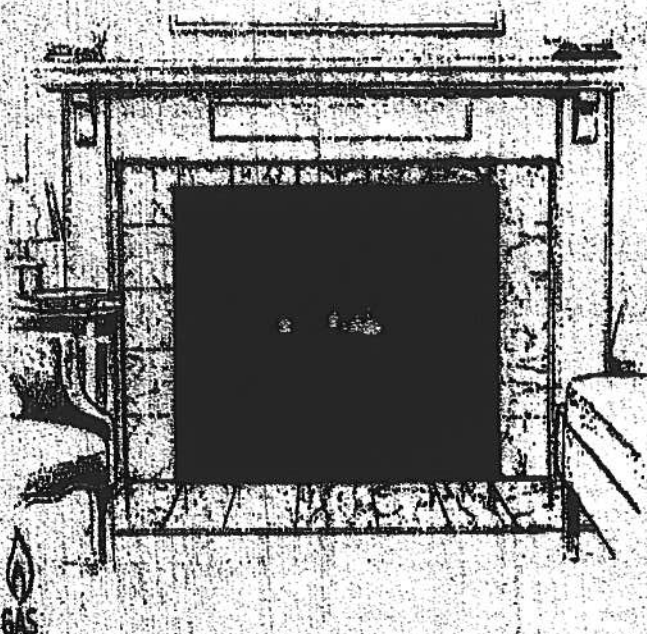
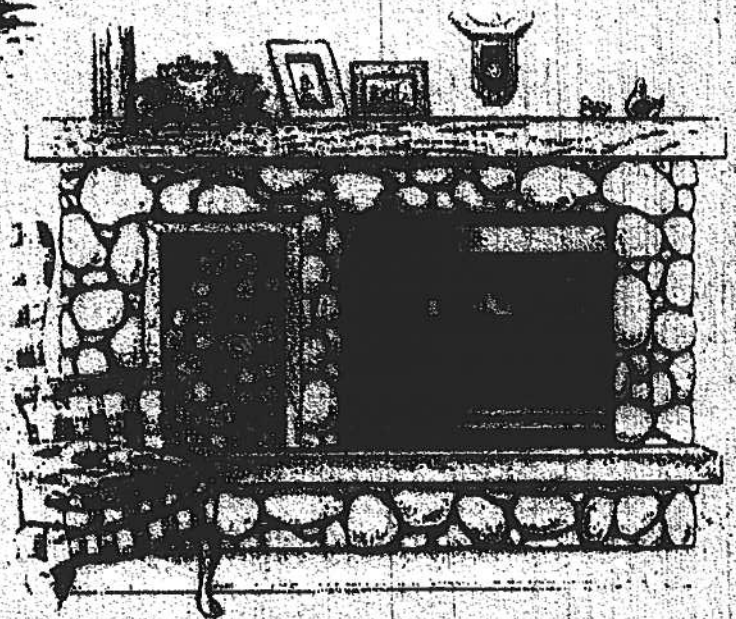


VF-4000

- 14,000 - 25,000 Btu/hr with manual control valve
- 19,500 - 25,000 Btu/hr with millivolt control valve
- Fully assembled and ready to install
- Attractive wood surrounds available
- 15" x 30" fixed or operable screen opening

VF-5000

- 25,000 Btu/hr millivolt variable heat output
- 15" X 30" glass or screen viewing area
- Clean burning, safe and easy to install
- Realistic charred oak logs with glowing embers



VF-6000

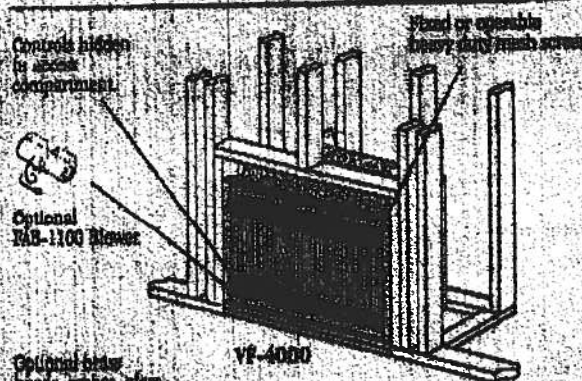
- 32,000 Btu/hr millivolt variable heat output
- Beautiful 20" X 34" glass or screen viewing area
- Will operate during a power failure
- Designed for large rooms

SUPERIOR

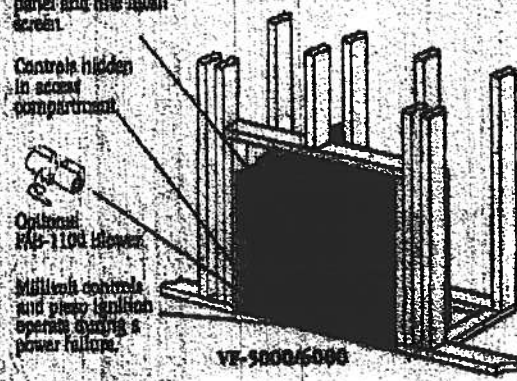
VF-4000/5000/6000



VF-5000 viewports



VF-4000



VF-5000/6000

SURROUNDS

The Charleston Poplar Surround is hand crafted using a combination of solid Poplar and Poplar veneer. Using the unique wood type of Poplar allows you the option to paint or stain this elegantly detailed surround. The surround is constructed using easy to assemble cam locks, and available in corner and wall units.



Distributed by:



Refractory fire brick panels



Gas Dux liner kit



Square brass trim kit



Brass Louver Kit
(For VF-4 only)



Screen panel kit
(For VF-5 & VF-6 only)



Arch kit
(For VF-5 & VF-6 only)



Glass door kit
(For VF-5 & VF-6 only)



Brass hood
(For VF-5 & VF-6 only)

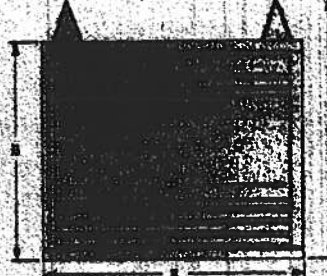


Wall switch or
optional wireless
remote sydeable
(For VF-40V, VF-5 & VF-6)

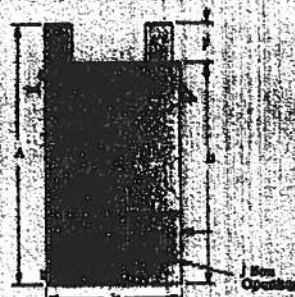


Wall thermostat
(For VF-40V, VF-5 & VF-6)

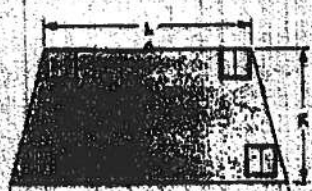
Front View



Left Side View



Top View



View-Free Product Dimensions

	VF-4000/5000C	VF-6000C
Width	31-1/2"	35-5/8"
Height	32"	34"
Depth	15-1/2"	15-1/2"
Weight	19,500 lbs	19,500 lbs
Material	Poplar	Poplar
Finish	Stain	Stain
Color	Dark	Dark
Model	VF-4000/5000C	VF-6000C
Price	\$1,199	\$1,199

Btu Chart

Model	Natural	Propane
VF-4000 natural	14,000 - 25,000	14,000 - 25,000
VF-4000/5000 dual-fuel	19,500 - 25,000	19,500 - 25,000
VF-6000	25,000 - 32,000	25,000 - 32,000

Framing Dimensions

Model	Width	Height	Depth
VF-4000/5000	37"	37-3/4"	15-1/2"
VF-6000	41"	42-3/8"	19-1/2"

NOTE: Diagrams and illustrations are not to scale. Product designs, materials, dimensions, specifications, colors and prices subject to change or discontinuation without notice. Built to ASHRAE 221.1.1.2 standard and approved by A.C.A. (Report # 12870017).

Consult your distributor for local fireplace code information.



SUPERIOR

www.LennoxHearthProducts.com

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Lennox Hearth Products Check-Vent System listed gas appliances include a 20-year limited warranty.

VF-4000/5000/6000

May. 01 2003 07:51AM P2

FRX NO. : +386 758 4735

FROM: LAKE CITY INDUSTRIES

Residential System Sizing Calculation

Summary

Bobby & Sheri Cato

Project Title:
Isaac Construction - Cato Res.

Code Only
Professional Version
Climate: North

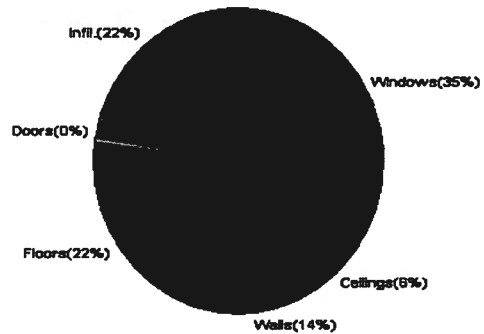
3/21/2006

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	57224 Btuh	Total cooling load calculation	61253 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	118.8 68000	Sensible (SHR = 0.75)	102.6 51000
Heat Pump + Auxiliary(0.0kW)	118.8 68000	Latent	147.0 17000
		Total (Electric Heat Pump)	111.0 68000

WINTER CALCULATIONS

Winter Heating Load (for 2597 sqft)

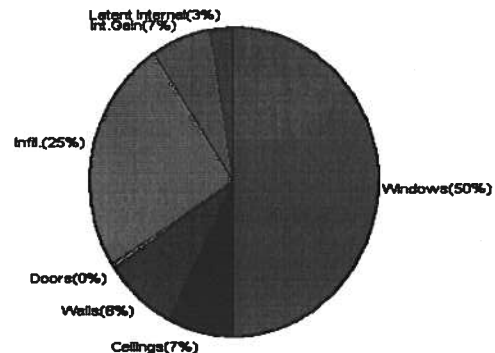
Load component		Load	
Window total	431 sqft	20253	Btuh
Wall total	2511 sqft	8246	Btuh
Door total	20 sqft	259	Btuh
Ceiling total	2700 sqft	3182	Btuh
Floor total	290 sqft	12661	Btuh
Infiltration	312 cfm	12623	Btuh
Duct loss		0	Btuh
Subtotal		57224	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		57224	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2597 sqft)

Load component		Load	
Window total	431 sqft	30664	Btuh
Wall total	2511 sqft	5041	Btuh
Door total	20 sqft	196	Btuh
Ceiling total	2700 sqft	4471	Btuh
Floor total		0	Btuh
Infiltration	273 cfm	5075	Btuh
Internal gain		4240	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		49687	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		9965	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1600	Btuh
Total latent gain		11565	Btuh
TOTAL HEAT GAIN		61253	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: Will Myers

DATE: 3/21/06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Bobby & Sheri Cato

Project Title:
Isaac Construction - Cato Res.

Code Only
Professional Version
Climate: North

, FL 32025-

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

3/21/2006

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	1, Clear, Metal, 1.27	W	15.0		47.0	705 Btuh
2	1, Clear, Metal, 1.27	W	35.0		47.0	1645 Btuh
3	1, Clear, Metal, 1.27	N	42.0		47.0	1974 Btuh
4	1, Clear, Metal, 1.27	N	20.0		47.0	940 Btuh
5	1, Clear, Metal, 1.27	NW	21.0		47.0	987 Btuh
6	1, Clear, Metal, 1.27	W	60.0		47.0	2819 Btuh
7	1, Clear, Metal, 1.27	W	36.0		47.0	1692 Btuh
8	1, Clear, Metal, 1.27	N	24.0		47.0	1128 Btuh
9	1, Clear, Metal, 1.27	N	6.0		47.0	282 Btuh
10	1, Clear, Metal, 1.27	N	16.0		47.0	752 Btuh
11	1, Clear, Metal, 1.27	E	30.0		47.0	1410 Btuh
12	1, Clear, Metal, 1.27	E	40.0		47.0	1880 Btuh
13	1, Clear, Metal, 1.27	E	24.0		47.0	1128 Btuh
14	1, Clear, Metal, 1.27	E	28.0		47.0	1316 Btuh
15	1, Clear, Metal, 1.27	S	30.0		47.0	1410 Btuh
16	1, Clear, Metal, 1.27	S	4.0		47.0	188 Btuh
Window Total			431(sqft)			20253 Btuh
Walls	Type	R-Value	Area X		HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	2171		3.3	7130 Btuh
2	Frame - Wood - Adj(0.09)	13.0	340		3.3	1117 Btuh
Wall Total			2511			8246 Btuh
Doors	Type		Area X		HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
Door Total			20			259 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X		HTM=	Load
1	Vented Attic/D/Shin)	30.0	2700		1.2	3182 Btuh
Ceiling Total			2700			3182 Btuh
Floors	Type	R-Value	Size X		HTM=	Load
1	Slab On Grade	0	290.0 ft(p)		43.7	12661 Btuh
Floor Total			290			12661 Btuh
Zone Envelope Subtotal:						44601 Btuh
Infiltration	Type	ACH X	Zone Volume		CFM=	
	Natural	0.80	23373		311.6	12623 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					57224 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Bobby & Sheri Cato

Project Title:

Code Only

Isaac Construction - Cato Res.

Professional Version

Climate: North

, FL 32025-

3/21/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	57224 Btuh 0 Btuh 57224 Btuh
--	--	------------------------------------

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

(Frame types - metal, wood or insulated metal)

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

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Bobby & Sheri Cato

Project Title:

Code Only

Isaac Construction - Cato Res.

Professional Version

, FL 32025-

Climate: North

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

3/21/2006

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	15.0	47.0	705 Btuh
2	1, Clear, Metal, 1.27	W	35.0	47.0	1645 Btuh
3	1, Clear, Metal, 1.27	N	42.0	47.0	1974 Btuh
4	1, Clear, Metal, 1.27	N	20.0	47.0	940 Btuh
5	1, Clear, Metal, 1.27	NW	21.0	47.0	987 Btuh
6	1, Clear, Metal, 1.27	W	60.0	47.0	2819 Btuh
7	1, Clear, Metal, 1.27	W	36.0	47.0	1692 Btuh
8	1, Clear, Metal, 1.27	N	24.0	47.0	1128 Btuh
9	1, Clear, Metal, 1.27	N	6.0	47.0	282 Btuh
10	1, Clear, Metal, 1.27	N	16.0	47.0	752 Btuh
11	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
12	1, Clear, Metal, 1.27	E	40.0	47.0	1880 Btuh
13	1, Clear, Metal, 1.27	E	24.0	47.0	1128 Btuh
14	1, Clear, Metal, 1.27	E	28.0	47.0	1316 Btuh
15	1, Clear, Metal, 1.27	S	30.0	47.0	1410 Btuh
16	1, Clear, Metal, 1.27	S	4.0	47.0	188 Btuh
Window Total			431(sqft)		20253 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	2171	3.3	7130 Btuh
2	Frame - Wood - Adj(0.09)	13.0	340	3.3	1117 Btuh
Wall Total			2511		8246 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
Door Total			20		259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2700	1.2	3182 Btuh
Ceiling Total			2700		3182Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	290.0 ft(p)	43.7	12661 Btuh
Floor Total			290		12661 Btuh
Zone Envelope Subtotal:					44601 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	23373	311.6	12623 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				57224 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Bobby & Sheri Cato

Project Title:

Isaac Construction - Cato Res.

Code Only

Professional Version

Climate: North

, FL 32025-

3/21/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	57224 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	57224 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

Bobby & Sheri Cato

Project Title:

Isaac Construction - Cato Res.

Code Only

Professional Version

Climate: North

, FL 32025-

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

3/21/2006

Component Loads for Whole House

Window	Type*	Omt	Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	1, Clear, 1.27, None,N,N	W	1.5ft	10ft.	15.0	0.0	15.0	37	94	1411	Btuh	
2	1, Clear, 1.27, None,N,N	W	1.5ft	10ft.	35.0	0.0	35.0	37	94	3292	Btuh	
3	1, Clear, 1.27, None,N,N	N	1.5ft	10ft.	42.0	0.0	42.0	37	37	1573	Btuh	
4	1, Clear, 1.27, None,N,N	N	3.5ft	10ft.	20.0	0.0	20.0	37	37	749	Btuh	
5	1, Clear, 1.27, None,N,N	NW	1.5ft	10ft.	21.0	0.0	21.0	37	72	1517	Btuh	
6	1, Clear, 1.27, None,N,N	W	18.5f	10ft.	60.0	60.0	0.0	37	94	2247	Btuh	
7	1, Clear, 1.27, None,N,N	W	1.5ft	10ft.	36.0	0.0	36.0	37	94	3386	Btuh	
8	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	24.0	0.0	24.0	37	37	899	Btuh	
9	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	6.0	0.0	6.0	37	37	225	Btuh	
10	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	16.0	0.0	16.0	37	37	599	Btuh	
11	1, Clear, 1.27, None,N,N	E	1.5ft	10ft.	30.0	0.0	30.0	37	94	2821	Btuh	
12	1, Clear, 1.27, None,N,N	E	9.66	11ft.	40.0	22.1	17.9	37	94	2509	Btuh	
13	1, Clear, 1.27, None,N,N	E	1.5ft	10ft.	24.0	0.0	24.0	37	94	2257	Btuh	
14	1, Clear, 1.27, None,N,N	E	1.5ft	10ft.	28.0	0.0	28.0	37	94	2633	Btuh	
15	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	30.0	30.0	0.0	37	43	1124	Btuh	
16	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	4.0	4.0	0.0	37	43	150	Btuh	
Excursion										3273	Btuh	
Window Total					431 (sqft)					30664 Btuh		
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load				
1	Frame - Wood - Ext	13.0/0.09		2171.0		2.1		4528 Btuh				
2	Frame - Wood - Adj	13.0/0.09		340.0		1.5		513 Btuh				
Wall Total					2511 (sqft)				5041 Btuh			
Doors	Type			Area (sqft)		HTM		Load				
1	Insulated - Adjacent			20.0		9.8		196 Btuh				
Door Total					20 (sqft)				196 Btuh			
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load				
1	Vented Attic/DarkShingle	30.0		2700.0		1.7		4471 Btuh				
Ceiling Total					2700 (sqft)				4471 Btuh			
Floors	Type	R-Value		Size		HTM		Load				
1	Slab On Grade	0.0		290 (ft(p))		0.0		0 Btuh				
Floor Total					290.0 (sqft)				0 Btuh			
Zone Envelope Subtotal:										40372 Btuh		
Infiltration	Type	ACH		Volume(cuft)		CFM=		Load				
	SensibleNatural	0.70		23373		272.7		5075 Btuh				
Internal gain	Occupants		Btuh/occupant		Appliance		Load					
	8		X 230 +		2400		4240 Btuh					
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh		
Sensible Zone Load										49687 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Bobby & Sheri Cato

Project Title:

Code Only

Isaac Construction - Cato Res.

Professional Version

, FL 32025-

Climate: North

3/21/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	49687 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	49687 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	49687 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	9965 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	11565 Btuh
	TOTAL GAIN	61253 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))

(Omt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Bobby & Sheri Cato

Project Title:

Isaac Construction - Cato Res.

Code Only

Professional Version

Climate: North

, FL 32025-

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

3/21/2006

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, None,N,N	W	1.5ft	10ft.	15.0	0.0	15.0	37	94	1411	Btuh
2	1, Clear, 1.27, None,N,N	W	1.5ft	10ft.	35.0	0.0	35.0	37	94	3292	Btuh
3	1, Clear, 1.27, None,N,N	N	1.5ft	10ft.	42.0	0.0	42.0	37	37	1573	Btuh
4	1, Clear, 1.27, None,N,N	N	3.5ft	10ft.	20.0	0.0	20.0	37	37	749	Btuh
5	1, Clear, 1.27, None,N,N	NW	1.5ft	10ft.	21.0	0.0	21.0	37	72	1517	Btuh
6	1, Clear, 1.27, None,N,N	W	18.5f	10ft.	60.0	60.0	0.0	37	94	2247	Btuh
7	1, Clear, 1.27, None,N,N	W	1.5ft	10ft.	36.0	0.0	36.0	37	94	3386	Btuh
8	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	24.0	0.0	24.0	37	37	899	Btuh
9	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	6.0	0.0	6.0	37	37	225	Btuh
10	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	16.0	0.0	16.0	37	37	599	Btuh
11	1, Clear, 1.27, None,N,N	E	1.5ft	10ft.	30.0	0.0	30.0	37	94	2821	Btuh
12	1, Clear, 1.27, None,N,N	E	9.66	11ft.	40.0	22.1	17.9	37	94	2509	Btuh
13	1, Clear, 1.27, None,N,N	E	1.5ft	10ft.	24.0	0.0	24.0	37	94	2257	Btuh
14	1, Clear, 1.27, None,N,N	E	1.5ft	10ft.	28.0	0.0	28.0	37	94	2633	Btuh
15	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	30.0	30.0	0.0	37	43	1124	Btuh
16	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	4.0	4.0	0.0	37	43	150	Btuh
Excursion										3273	Btuh
Window Total					431 (sqft)					30664 Btuh	
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load			
1	Frame - Wood - Ext	13.0/0.09		2171.0		2.1		4528 Btuh			
2	Frame - Wood - Adj	13.0/0.09		340.0		1.5		513 Btuh			
Wall Total					2511 (sqft)			5041 Btuh			
Doors	Type			Area (sqft)		HTM		Load			
1	Insulated - Adjacent			20.0		9.8		196 Btuh			
Door Total					20 (sqft)			196 Btuh			
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load			
1	Vented Attic/DarkShingle	30.0		2700.0		1.7		4471 Btuh			
Ceiling Total					2700 (sqft)			4471 Btuh			
Floors	Type	R-Value		Size		HTM		Load			
1	Slab On Grade	0.0		290 (ft(p))		0.0		0 Btuh			
Floor Total					290.0 (sqft)			0 Btuh			
Zone Envelope Subtotal:										40372 Btuh	
Infiltration	Type	ACH		Volume(cuft)		CFM=		Load			
	SensibleNatural	0.70		23373		272.7		5075 Btuh			
Internal gain	Occupants		Btuh/occupant		Appliance		Load				
	8		X 230 +		2400		4240 Btuh				
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
Sensible Zone Load										49687 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Bobby & Sheri Cato

Project Title:

Isaac Construction - Cato Res.

Code Only

Professional Version

Climate: North

, FL 32025-

3/21/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	49687 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	49687 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	49687 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	9965 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	11565 Btuh
	TOTAL GAIN	61253 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))

(Omt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Bobby & Sheri Cato

Project Title:
Isaac Construction - Cato Res.

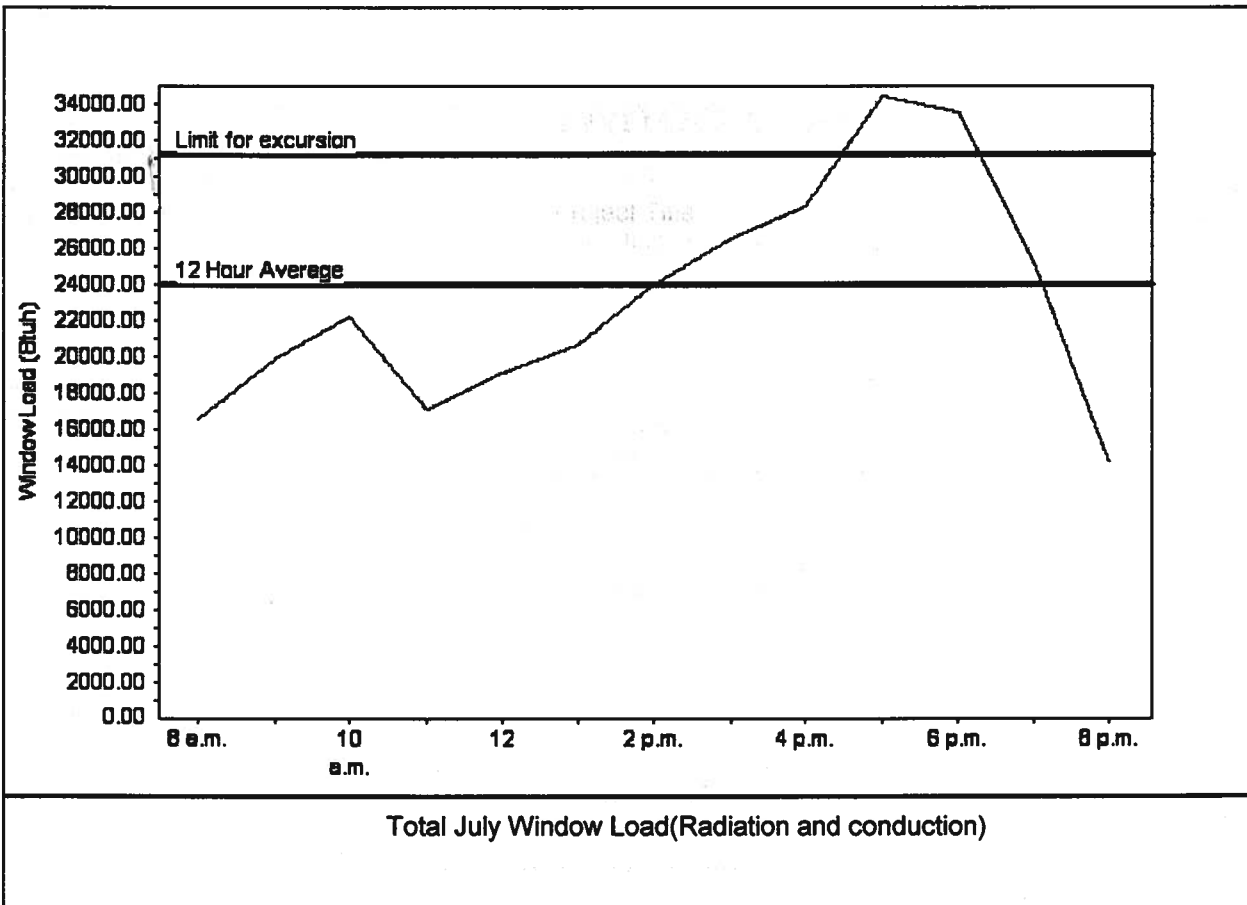
Code Only
Professional Version
Climate: North

3/21/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	23997 Btu
Summer setpoint	75 F	Peak window load for July	34468 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	31196 Btu
Latitude	29 North	Window excursion (July)	3273 Btuh

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.1



New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

24464

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JF104376 Company Phone No. 386-715-2011
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Texas Tenant Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 397 SW 51st Ave, W-1 High Springs, FL

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside 0 Inside 0 Type of Fill 0

Section 4: Treatment Information

Date(s) of Treatment(s) 7-7-06
Brand Name of Product(s) Used Bait-Term
EPA Registration No. 64405-1
Approximate Final Mix Solution % 0.13%
Approximate Size of Treatment Area: Sq. ft. 3454 Linear ft. 310 Linear ft. of Masonry Voids 310
Approximate Total Gallons of Solution Applied 8
Was treatment completed on exterior? ☒ Yes ☐ No
Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) Steve Branner Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature [Signature] Date 7-7-06

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)

COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING

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 16-7S-17-10006-215

Building permit No. 000024464

Use Classification SFD/UTILITY

Fire: 55.80

Permit Holder ISAAC BRATKOVICH. ISAAC CONSTR.

Waste: 167.50

Owner of Building ROBERT & SHERRY CATO

Total: 223.30

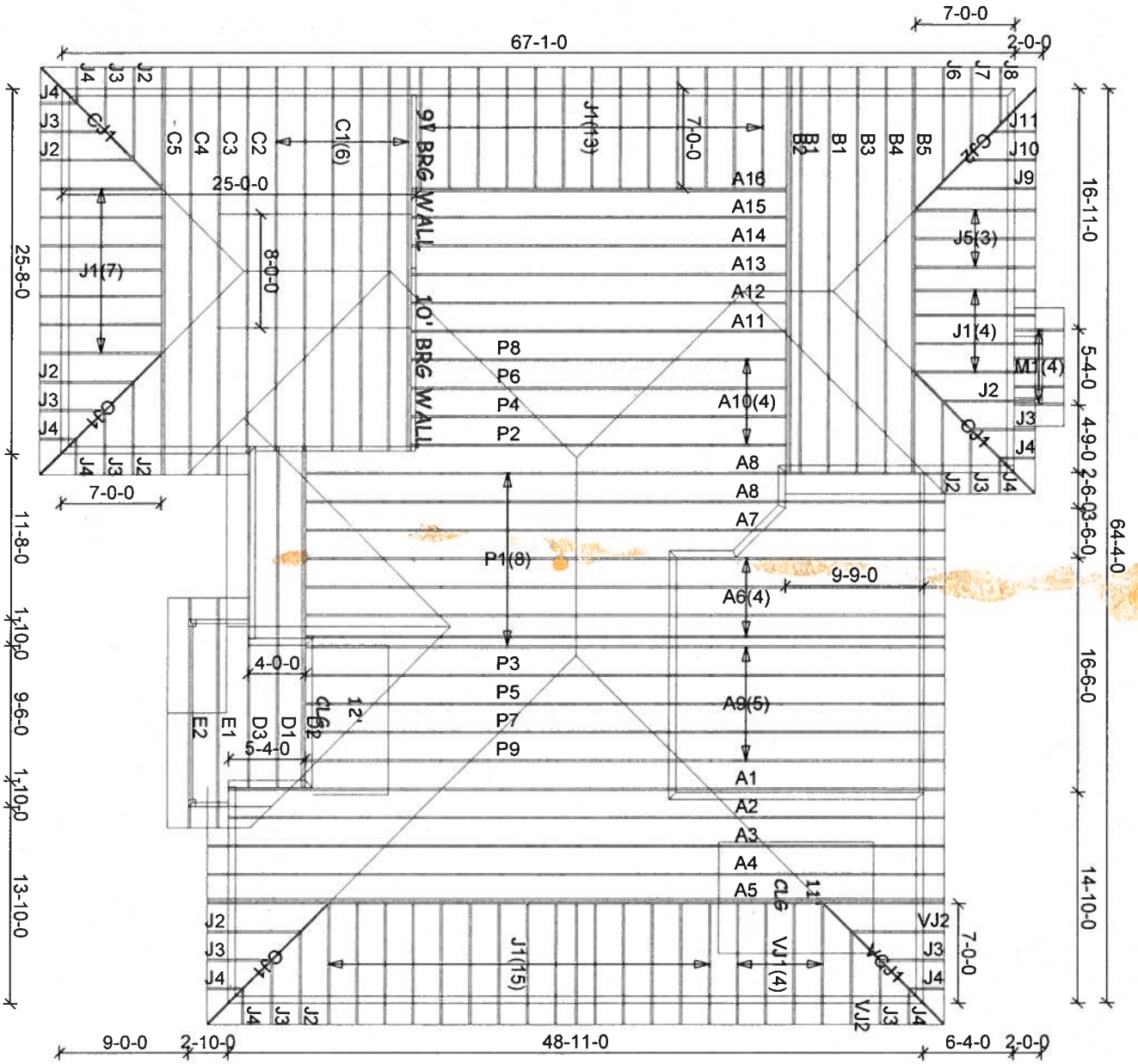
Location: 397 SW GRAY WAY, (RIVER RISE, LOT 15)

Date: 12/27/2006

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)



Mayo Truss Co. Inc.

362 NE CLAYDE AVE.
MAYO, FL 32066
(386) 294-3988
(877) 538-6262

ISAAC CONST.

CATO

110 MPH ASCE WIND LOAD

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

Account: CONTRACTORS
Job: ISAAC-CATO
Designer: A. HIGHSWORTH
Checker: M. MURRAY
Date: 04-19-06

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

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

Truss Fabricator: Mayo Truss Company, Inc

Job Reference: ISAAC-CATO - CATO

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

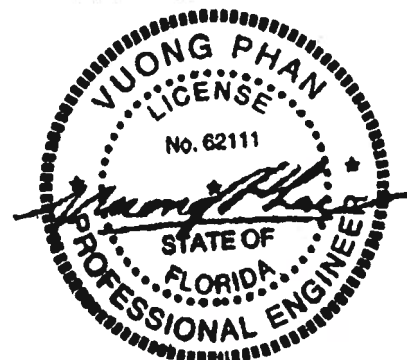
Job Number	Date	FBC - 2004 Chapter 16 and 23	Specification Quantity
T06041877	04/18/2006		57

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 1-1995, 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.

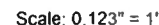
Date	Mark	Date	Mark	Date	Mark	Date	Mark
1 04/18/06 A1		2 04/18/06 A2		3 04/18/06 A3		4 04/18/06 A4	
5 04/18/06 A5		6 04/18/06 A6		7 04/18/06 A7		8 04/18/06 A8	
9 04/18/06 A9		10 04/18/06 A10		11 04/18/06 A11		12 04/18/06 A12	
13 04/18/06 A13		14 04/18/06 A14		15 04/18/06 A15		16 04/18/06 A16	
17 04/18/06 B1		18 04/18/06 B2		19 04/18/06 B3		20 04/18/06 B4	
21 04/18/06 B5		22 04/18/06 C1		23 04/18/06 C2		24 04/18/06 C3	
25 04/18/06 C4		26 04/18/06 C5		27 04/18/06 C.J1		28 04/18/06 C.J2	
29 04/18/06 D1		30 04/18/06 D2		31 04/18/06 D3		32 04/18/06 E1	
33 04/18/06 E2		34 04/18/06 J1		35 04/18/06 J2		36 04/18/06 J3	
37 04/18/06 J4		38 04/18/06 J5		39 04/18/06 J6		40 04/18/06 J7	
41 04/18/06 J8		42 04/18/06 J9		43 04/18/06 J10		44 04/18/06 J11	
45 04/18/06 M1		46 04/18/06 P1		47 04/18/06 P2		48 04/18/06 P3	
49 04/18/06 P4		50 04/18/06 P5		51 04/18/06 P6		52 04/18/06 P7	
53 04/18/06 P8		54 04/18/06 P9		55 04/18/06 VCJ1		56 04/18/06 VJ1	
57 04/18/06 VJ2							

Truss Design Engineer: Vuong Phan
 License #: 62111
 Address: P.O. Box 280055, Tampa, FL 33682



U# J#ISAAC-CATO CATO

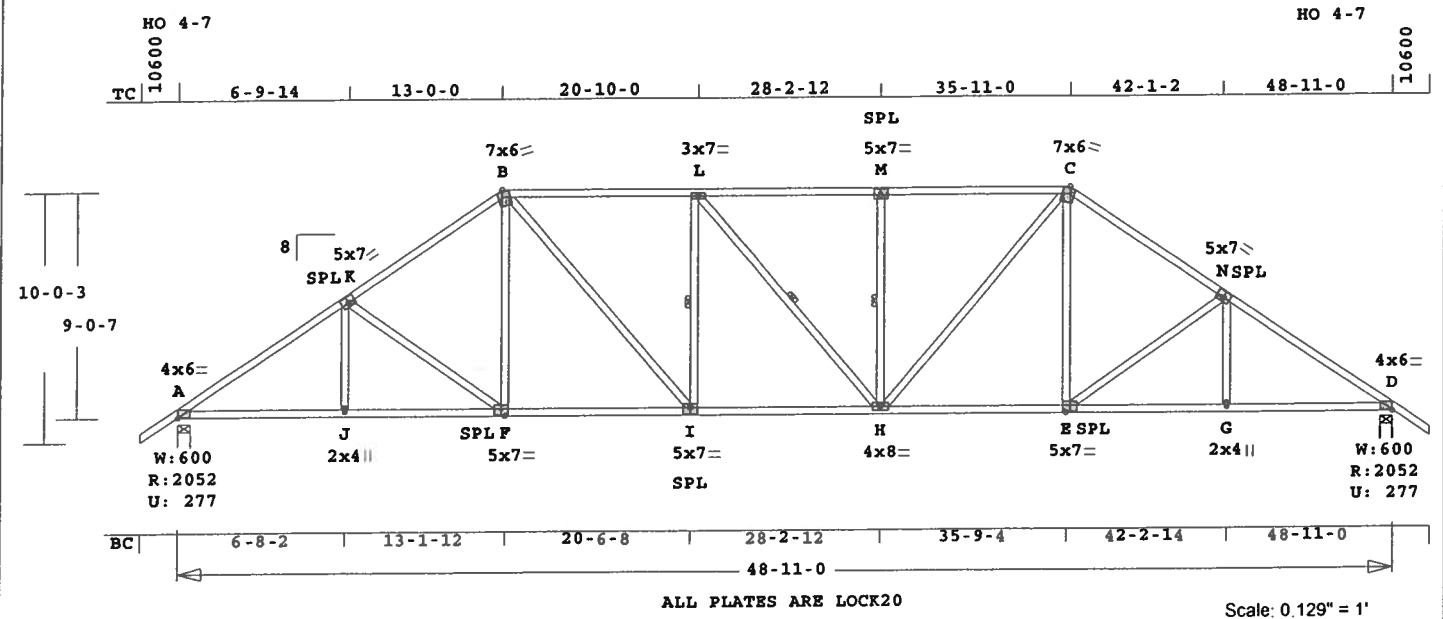
HO 4-7



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	A1	1	SP	481100	'8	0	1- 6- 0	T06041877
U# J#ISAAC-CATO CATO								

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---
 31- 3- 0 48-11- 0
 Max comp. force 2505 Lbs
 Quality Control Factor 1.25

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	A2	1	HIPP	481100	'8	1- 6- 0	1- 6- 0	T06041877
U# J#ISAAC-CATO CATO								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 373.7 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

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

TC	0.71	2x 4	SP-#2
BC	0.62	2x 4	SP-#2
WB	0.32	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	48-11- 0
BC Cont.	0- 0- 0	48-11- 0
WB 1 rows CLB on I -L		
WB 1 rows CLB on L -H		
WB 1 rows CLB on H -M		

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
A	2053	277	6- 0	2- 7
			Hx =	-209
D	2053	277	6- 0	2- 7
			Hx =	210

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -K	0.42	2994 C	0.14	0.28
K -B	0.42	2569 C	0.04	0.38
B -L	0.70	2684 C	0.14	0.56
L -M	0.60	2684 C	0.04	0.56
M -C	0.71	2684 C	0.14	0.57
C -N	0.42	2569 C	0.04	0.38
N -D	0.42	2994 C	0.14	0.28
-----Bottom Chords-----				
A -J	0.54	2487 T	0.41	0.13

J -F	0.57	2487 T	0.41	0.16
F -I	0.52	2137 T	0.35	0.17
I -H	0.62	2684 T	0.45	0.17
H -E	0.52	2137 T	0.35	0.17
E -G	0.57	2487 T	0.41	0.16
G -D	0.54	2487 T	0.41	0.13
-----Webs-----				
J -K	0.03	240 T		
K -F	0.32	420 C		
F -B	0.07	460 T		
B -I	0.18	834 T		
I -L	0.12	477 C	1 Br	
L -H	0.03	78 C	1 Br	
H -M	0.12	477 C	1 Br	
M -C	0.18	833 T		
E -C	0.07	461 T		
E -N	0.32	420 C		
G -N	0.03	240 T		

TL Defl -0.41" in I -H L/999
LL Defl -0.19" in I -H L/999
Shear // Grain in B -L 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

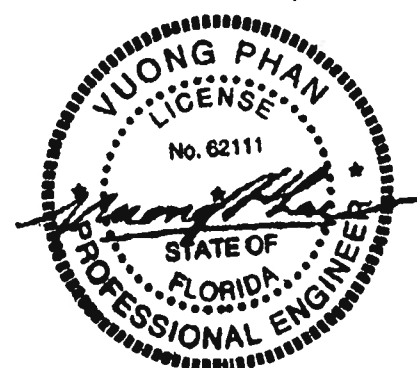
Jt Type	Plt Size	X	Y	JSI
A LOCK	4.0x 6.0	0.5	0.4	0.82
K LOCK	5.0x 7.0	0.3	0.5	0.85
B LOCK	7.0x 6.0	1.3	4.2	0.87
L LOCK	3.0x 7.0	0.3	0.5	0.51
M LOCK	5.0x 7.0	0.3	0.5	0.88
C LOCK	7.0x 6.0	1.3	4.2	0.87
N LOCK	5.0x 7.0	0.3	0.5	0.85
D LOCK	4.0x 6.0	0.5	0.4	0.82
J LOCK	2.0x 4.0	0.3	0.5	0.53
F LOCK	5.0x 7.0	0.3	0.5	0.88
I LOCK	5.0x 7.0	0.3	0.5	0.88
H LOCK	4.0x 8.0	0.3	0.4	0.46
E LOCK	5.0x 7.0	0.3	0.5	0.88
G LOCK	2.0x 4.0	0.3	0.5	0.53

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

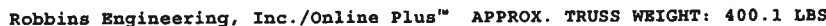
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
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 2994 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



U# J#ISAAC-CATO CATO



Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

	CSI	-Size-	---Lumber---
TC	0.83	2x 4	SP-#2
BC	0.75	2x 4	SP-#2
CW	0.39	2x 4	SP-#2
WB	0.56	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	48-11- 0
BC Cont.	0- 0- 0	48-11- 0

WB 1 rows CLB on Q -G

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
A	2053	277	6- 0 Hz =	2- 7 -176
D	2053	277	6- 0 Hz =	2- 7 177

Membr	CSI	P Lbs	Axl-CSI-Bnd	
-----Top Chords-----				
A -O	0.33	3022 C	0.06	0.27
O -B	0.40	2700 C	0.04	0.30
B -P	0.83	3075 C	0.20	0.63
P -Q	0.65	3223 C	0.07	0.58
Q -R	0.72	3083 C	0.19	0.53
R -C	0.47	3091 C	0.06	0.41
C -S	0.32	3118 C	0.06	0.26
S -T	0.59	5318 C	0.28	0.31
T -V	0.37	5238 C	0.19	0.18
V -D	0.23	2920 C	0.05	0.18
-----Bottom Chords-----				
A -N	0.58	2505 T	0.42	0.16
N -M	0.57	2505 T	0.42	0.15
M -L	0.53	2253 T	0.37	0.16
L -K	0.73	3075 T	0.51	0.22
K -H	0.39	182 T	0.01	0.38
G -J	0.68	2594 T	0.43	0.25
J -F	0.75	3030 T	0.50	0.25
F -U	0.17	149 T	0.02	0.15

U	-D	0.59	2364	T	0.39	0.20
-----Chord-Webs-----						
H	-G	0.39	125	T	0.01	0.38
G	-R	0.18	409	C	0.05	0.13
E	-F	0.32	68	T	0.01	0.31
F	-T	0.25	177	C	0.00	0.25
-----Webs-----						
N	-O	0.02	177	T		
O	-M	0.16	302	C		
M	-B	0.06	404	T		
B	-L	0.21	1135	T		
L	-P	0.43	632	C		
P	-K	0.05	205	T		
K	-Q	0.24	357	C		
K	-G	0.56	3066	T		
Q	-G	0.06	180	C		1 Br
G	-C	0.19	1056	T		
J	-C	0.11	639	T		
J	-S	0.22	603	C		
S	-F	0.36	1994	T		
F	-V	0.37	2018	T		
F	-U	0.48	2637	T		
U	-V	0.15	1607	C		

```

TL Defl  -0.65" in K -H  L/881
LL Defl  -0.27" in K -H  L/999
Shear // Grain in B -P   0.33

```

Plates for each ply each face.
 PLATING CONFORMS TO TP1.
 REPORT: NER 691
 ROBBS ENGINEERING, INC.
 BASED ON SP LUMBER
 USING GROSS AREA TEST.

Plate -	LOCK	20 Ga,	Gross Area				
Plate -	RHS	20 Ga,	Gross Area				
Jt Type	Plt Size	X	Y	JSI			
A LOCK	4.0x 6.0	0.5	0.4	0.82			
O LOCK	3.0x 7.0	Ctr	Ctr	0.48			
B LOCK	7.0x 6.0	1.3-4.2	0.89				
P LOCK	3.0x 7.0	Ctr	Ctr	0.49			
Q LOCK	5.0x 7.0	Ctr	0.5	0.88			
R LOCK	2.0x 4.0	Ctr	Ctr	0.40			
C LOCK	7.0x 6.0	1.3-4.2	0.86				
S LOCK	3.0x 7.0	1.1-0.8	0.65				
T LOCK	2.0x 4.0	Ctr	Ctr	0.23			
V LOCK	3.0x 7.0	Ctr	Ctr	0.61			
D LOCK	4.0x 6.0	0.5	0.4	0.82			
N LOCK	2.0x 4.0	Ctr	Ctr	0.53			
M LOCK	5.0x 7.0	Ctr	0.5	0.88			
L LOCK	5.0x 7.0	Ctr	0.5	0.88			
K LOCK	4.0x 8.0	0.5	Ctr	1.00			
H LOCK	2.0x 4.0	Ctr	Ctr	0.66			
GH# LOCK	8.0x10.0	0.1	2.2	0.75			
J LOCK	3.0x 7.0	Ctr	Ctr	0.49			
F# LOCK	8.0x10.0	Ctr	2.3	0.75			
E LOCK	2.0x 4.0	Ctr	Ctr	0.66			
U LOCK	3.0x 7.0	Ctr	Ctr	0.92			

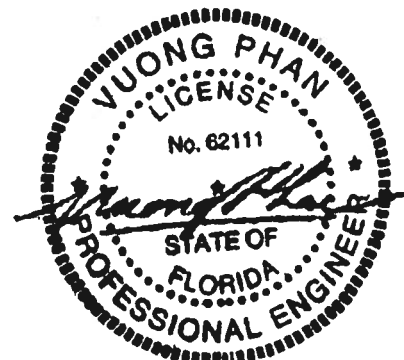
= Plate Monitor used

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.
Prevent truss rotation at all
bearing locations.
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 5318 Lbs

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	A3	1	SP	481100	8	1- 6- 0	1- 6- 0	T06041877
U# J#ISAAC-CATO CATO								

Quality Control Factor 1.25

HO 4-7

All loads must be equally distributed to each ply of the truss.

HO 4-7

TC 10600

3-9-15 | 7-0-0 | 14-0-13 | 20-10-1 | 27-7-6 | 34-4-4 | 41-11-0 | 45-5-0 | 461001 | 481100 | 10600

6x8= B

SPL 6x8= N

4x6= O

SPL 6x8= P

2x4|| Q

6x8= C

2x4= S

8

4x6= A

W: 600

R: 4449

U: 596

M 4x6=

L 6x8=

SPL 6x8= K

SPL 6x8= J

5x9=

#8x12= G

H 2x4||

3x7= R

3x7= U

4x6= D

I 4x6= E

2x4|| F

4x6= T

#8x10= W

W: 600

R: 4743

U: 636

BC 7-0-0 | 13-9-5 | 20-6-9 | 27-5-10 | 34-6-0 | 41-11-0 | 45-5-0 | 461001 | 481100

70112

48-11-0

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

Scale: 0.130" = 1'

Date Sealed: 4/18/2006

Job	Mark	Quan	Type	Spap	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	A5	1*3P	SP	481100	8	1- 6- 0	1- 6- 0	T06041877
U# J#ISAAC-CATO CATO								

OH Loading

Soffit psf 2.0

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

Prevent truss rotation at all bearing locations.

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 13485 Lbs

Quality Control Factor 1.25

U# J#ISAAC-CATO CATO



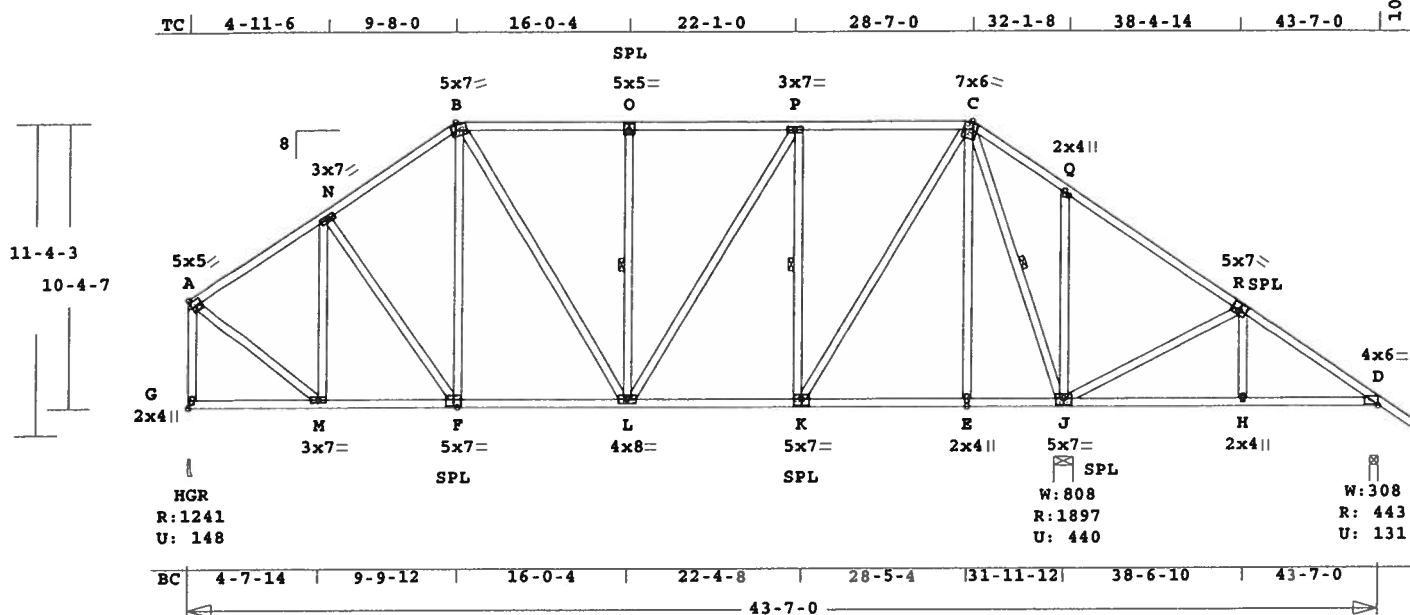
Scale: 0.121" = 1'

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	A7	1	HIPP	430700	8	0	1- 6- 0	T06041877

U# J#ISAAC-CATO CATO

HO 3-11-2

HO 4-7



ALL PLATES ARE LOCK20

Scale: 0.142" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 414.7 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

CSI -Size- ---Lumber---
TC 0.40 2x 4 SP-#2
BC 0.30 2x 4 SP-#2
WB 0.46 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 43- 7- 0
BC Cont. 0- 0- 0 43- 7- 0
WB 1 rows CLB on L -O
WB 1 rows CLB on K -P
WB 1 rows CLB on C -J
Attach CLB with (2)-10d nails
at each web.

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

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

Jt	React	Uplift	Size	Req'd
Lbs	Lbs	In-Sx	In-Sx	
G	1241	148	3- 8	1- 8
		Hx =	-281	
J	1898	440	8- 8	2- 2
D	444	132	3- 8	1- 8
		Hx =	216	

Membr	CSI	P	Lbs	Axl	CSI-Bnd
---Top Chords---					
A -N	0.23	872	C	0.00	0.23
N -B	0.23	991	C	0.00	0.23
B -O	0.38	963	C	0.00	0.38
O -P	0.38	963	C	0.00	0.38
P -C	0.33	783	C	0.00	0.33
C -Q	0.37	129	T	0.01	0.36
Q -R	0.40	175	T	0.04	0.36
R -D	0.34	313	C	0.00	0.34
---Bottom Chords---					
G -M	0.13	234	T	0.00	0.13
M -F	0.23	738	T	0.07	0.16
F -L	0.28	821	T	0.08	0.20

L -K	0.30	783	T	0.08	0.22
K -E	0.25	282	T	0.03	0.22
E -J	0.21	282	T	0.03	0.18
J -H	0.23	276	T	0.03	0.20
H -D	0.23	276	T	0.03	0.20

-----Webs-----

G -A	0.22	1200	C	WindLd
A -M	0.17	943	T	
M -N	0.28	484	C	
N -F	0.04	138	T	
F -B	0.02	133	T	
B -L	0.14	270	T	
L -O	0.13	397	C	
L -P	0.11	342	T	
K -P	0.22	662	C	
K -C	0.26	939	T	
E -C	0.02	172	T	
C -J	0.46	1263	C	
J -Q	0.29	378	C	
J -R	0.32	475	C	
H -R	0.03	251	T	

TL Defl -0.09" in F -L L/999
LL Defl -0.03" in J -H L/999
Shear // Grain in B -O 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	5.0x	5.0	Ctr	Ctr	0.86
N	LOCK	3.0x	7.0	Ctr	Ctr	0.48
B	LOCK	5.0x	7.0	1.6-3.4	0.77	
O	LOCK	5.0x	5.0	Ctr	0.5	0.83
P	LOCK	3.0x	7.0	Ctr	Ctr	0.53
C	LOCK	7.0x	6.0-1.3-4.2	0.80		
Q	LOCK	2.0x	4.0	Ctr	Ctr	0.50
R	LOCK	5.0x	7.0	0.3	0.5	0.81
D	LOCK	4.0x	6.0-0.5	0.4	0.78	
G	LOCK	2.0x	4.0	Ctr	Ctr	0.59
M	LOCK	3.0x	7.0	Ctr	Ctr	0.46
F	LOCK	5.0x	7.0	Ctr-0.5	0.83	
L	LOCK	4.0x	8.0	Ctr	Ctr	0.48
K	LOCK	5.0x	7.0	Ctr-0.5	0.83	
E	LOCK	2.0x	4.0	Ctr	Ctr	0.50
J	LOCK	5.0x	7.0	Ctr-0.5	0.83	
H	LOCK	2.0x	4.0	Ctr	Ctr	0.50

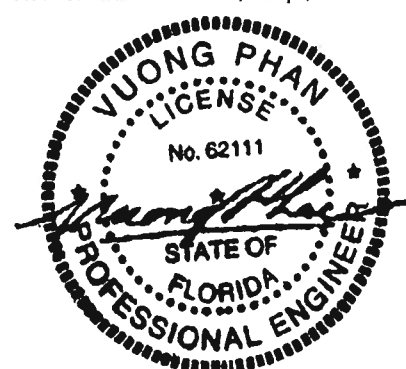
REVIEWED BY:
Robbins Engineering, Inc.

PO Box 280055
Tampa, FL 33682

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

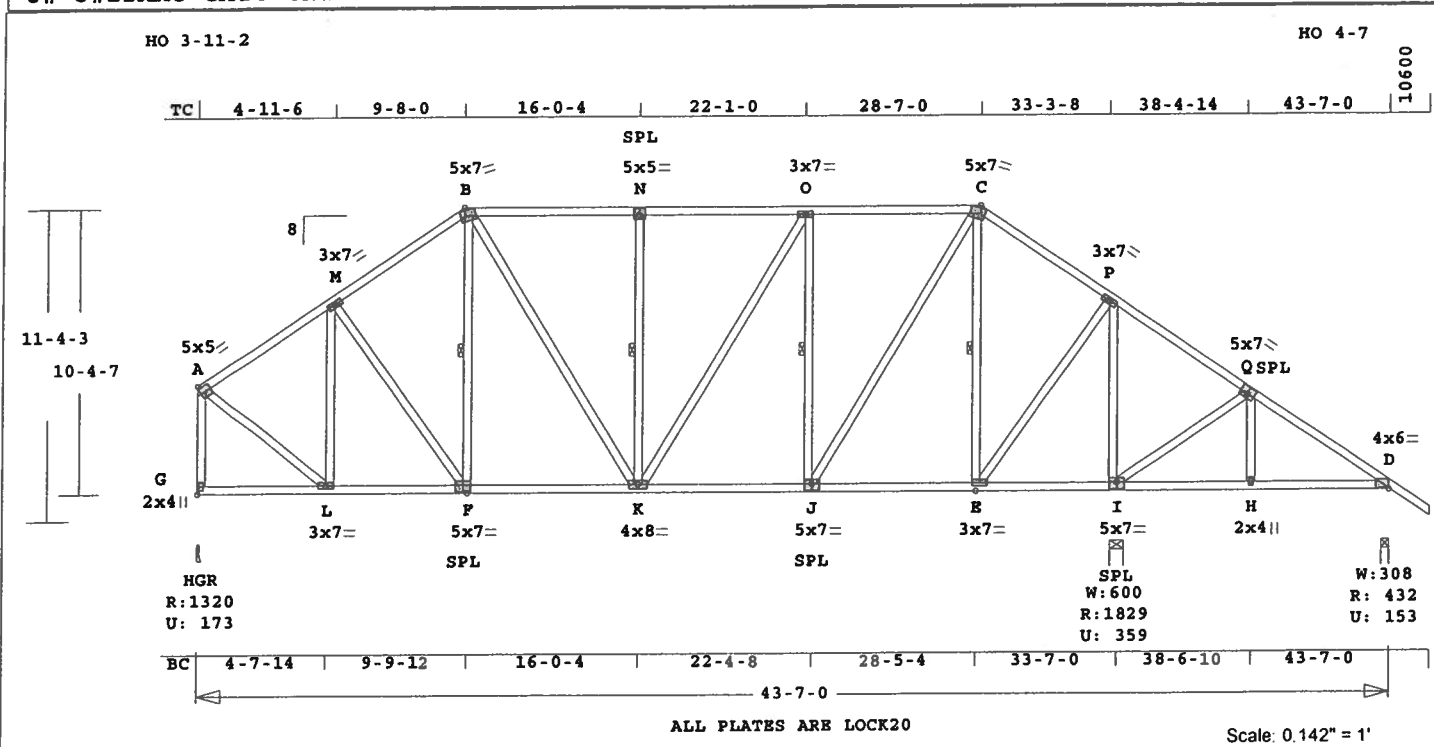
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: 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--
31-11-12 43- 7- 0
Max comp. force 1263 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	A8	2	HIPP	430700	8	0	1- 6- 0	T06041877

U# J#ISAAC-CATO CATO



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 406.4 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

CSI -Size- ---Lumber---
TC 0.38 2x 4 SP-#2
BC 0.29 2x 4 SP-#2
WB 0.89 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 43- 7- 0
BC Cont. 0- 0- 0 43- 7- 0
WB 1 rows CLB on F -B
WB 1 rows CLB on K -N
WB 1 rows CLB on J -O
WB 1 rows CLB on E -C
Attach CLB with (2)-10d nails
at each web.

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

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

Jt	React	Uplift	Size	Req'd
Lbs	Lbs	In-Sx	In-Sx	
G	1321	173	3- 8	1- 9
			Hz =	-281
I	1829	360	6- 0	2- 1
D	432	154	3- 8	1- 8
			Hz =	216

Membr	CSI	P	Lbs	Axl	CSI	Bnd
-----Top Chords-----						
A -M	0.23		937 C	0.00	0.23	
M -B	0.23		1082 C	0.00	0.23	
B -N	0.38		1088 C	0.00	0.38	
N -O	0.38		1088 C	0.00	0.38	
O -C	0.35		958 C	0.00	0.35	
C -P	0.25		620 C	0.00	0.25	
P -Q	0.28		112 T	0.03	0.25	
Q -D	0.25		278 C	0.00	0.25	
-----Bottom Chords-----						
G -L	0.13		233 T	0.00	0.13	
L -F	0.24		793 T	0.08	0.16	

F -K	0.29	897 T	0.09	0.20
K -J	0.29	958 T	0.09	0.20
J -E	0.25	514 T	0.05	0.20
E -I	0.16	125 T	0.00	0.16
I -H	0.16	241 T	0.02	0.14
H -D	0.16	241 T	0.02	0.14
-----Webs-----				
G -A	0.24	1279 C	WindLd	
A -L	0.18	1013 T		
L -M	0.31	527 C		
M -F	0.04	175 T		
F -B	0.01	114 T		1 Br
B -K	0.16	363 T		
K -N	0.13	394 C		1 Br
N -O	0.06	247 T		
O -J	0.20	592 C		1 Br
J -C	0.20	844 T		
C -E	0.23	695 C		1 Br
E -P	0.18	998 T		
P -I	0.89	1513 C		
I -Q	0.17	389 C		
H -Q	0.03	213 T		

TL Defl -0.10" in F -K L/999
LL Defl -0.04" in K -J L/999
Shear // Grain in B -N 0.26

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

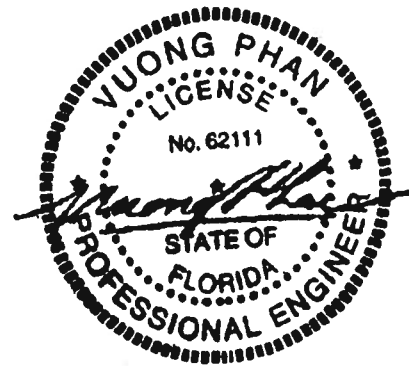
Plate	Type	Plt	Size	X	Y	JSI
Plate - LOCK 20 Ga, Gross Area						
Plate - RHS 20 Ga, Gross Area						
A LOCK	5.0x	5.0	Ctr	Ctr	0.86	
M LOCK	3.0x	7.0	Ctr	Ctr	0.48	
B LOCK	5.0x	7.0	1.6-3.4	0.77		
N LOCK	5.0x	5.0	Ctr	0.5	0.83	
O LOCK	3.0x	7.0	Ctr	Ctr	0.53	
C LOCK	5.0x	7.0	1.6-3.4	0.77		
P LOCK	3.0x	7.0	Ctr	Ctr	0.68	
Q LOCK	5.0x	7.0	0.3	0.5	0.81	
D LOCK	4.0x	6.0	0.5	0.4	0.78	
G LOCK	2.0x	4.0	Ctr	Ctr	0.59	
L LOCK	3.0x	7.0	Ctr	Ctr	0.46	
F LOCK	5.0x	7.0	Ctr	0.5	0.83	
K LOCK	4.0x	8.0	Ctr	Ctr	0.48	
J LOCK	5.0x	7.0	Ctr	0.5	0.83	
E LOCK	3.0x	7.0	Ctr	Ctr	0.51	
I LOCK	5.0x	7.0	Ctr	0.5	0.83	
H LOCK	2.0x	4.0	Ctr	Ctr	0.50	

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--
33- 7- 0 43- 7- 0
Max comp. force 1513 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



REVIEWED BY:

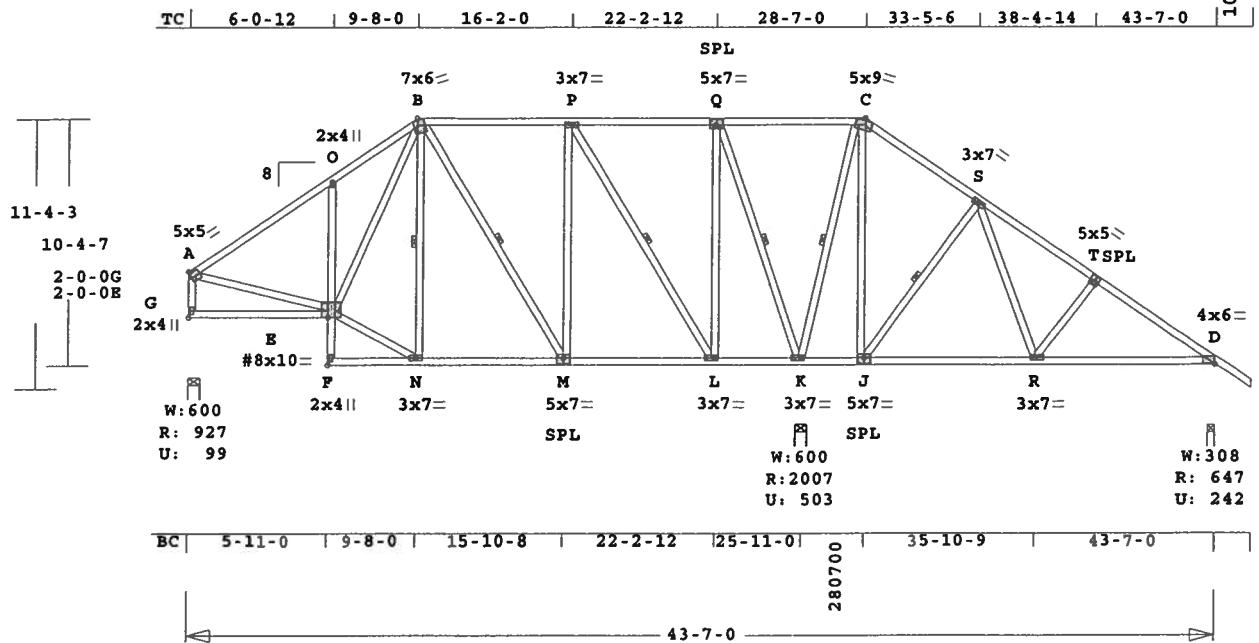
Date Sealed: 4/18/2006

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	A9	5	SP	430700	8	0	1- 6- 0	T06041877

U# J#ISAAC-CATO CATO

HO 1-11-2

HO 4-7



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

Scale: 0.123" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 421.4 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

CSI -Size- ---Lumber---
TC 0.41 2x 4 SP-#2
BC 0.39 2x 4 SP-#2
CW 0.13 2x 4 SP-#2
WB 0.43 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 43- 7- 0
BC Cont. 0- 0- 0 43- 7- 0
WB 1 rows CLB on N -B
WB 1 rows CLB on B -M
WB 1 rows CLB on P -L
WB 1 rows CLB on Q -K
WB 1 rows CLB on K -C
WB 1 rows CLB on J -S
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
G	928	100	6- 0	1- 8
			Hx =	-229
K	2007	503	6- 0	2- 4
D	648	242	3- 8	1- 8
			Hx =	208

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -O	0.39	884	C	0.01	0.38
O -B	0.28	898	C	0.00	0.28
B -P	0.40	472	C	0.00	0.40
P -Q	0.40	120	T	0.00	0.40
Q -C	0.41	294	T	0.04	0.37
C -S	0.23	112	T	0.00	0.23
S -T	0.24	428	C	0.00	0.24
T -D	0.24	609	C	0.00	0.24
-----Bottom Chords-----					
G -E	0.19	208	T	0.00	0.19
F -N	0.16	38	C	0.00	0.16

N -M	0.27	517	T	0.05	0.22
M -L	0.27	472	T	0.05	0.22
L -K	0.14	186	T	0.01	0.13
K -J	0.18	170	T	0.00	0.18
J -R	0.36	221	T	0.02	0.34
R -D	0.39	518	T	0.05	0.34
-----Chord-Webs-----					
F -E	0.13	47	T	0.00	0.13
E -O	0.08	316	C	0.01	0.07
-----Webs-----					
G -A	0.08	873	C	WindLd	
A -E	0.14	778	T		
E -B	0.09	523	T		
E -N	0.10	595	T		
N -B	0.05	169	C	1 Br	
B -M	0.03	83	C	1 Br	
M -P	0.04	313	T		
P -L	0.32	717	C	1 Br	
L -Q	0.12	700	T		
Q -K	0.43	1154	C	1 Br	
K -C	0.31	881	C	1 Br	
J -C	0.36	495	T		
J -S	0.12	502	C	1 Br	
S -R	0.14	438	T		
R -T	0.06	266	C		

TL Defl -0.12" in R -D L/999
LL Defl -0.05" in R -D L/999
Shear // Grain in B -P 0.28

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

Plate	LOCK	20 Ga.	Gross Area
Plate	RHS	20 Ga.	Gross Area
Jt Type	Plt Size	X Y	JSI
A LOCK	5.0x 5.0	Ctr Ctr	0.86
O LOCK	2.0x 4.0	Ctr Ctr	0.23
B LOCK	7.0x 6.0	1.3-4.2	0.80
P LOCK	3.0x 7.0	Ctr Ctr	0.53
Q LOCK	5.0x 7.0	Ctr	0.53
C LOCK	5.0x 9.0	1.1-3.7	0.81
S LOCK	3.0x 7.0	Ctr Ctr	0.56
T LOCK	5.0x 5.0	0.3 0.5	0.81
D LOCK	4.0x 6.0	0.5 0.4	0.78
G LOCK	2.0x 4.0	Ctr Ctr	0.59
E# LOCK	8.0x10.0	0.1 2.2	0.71
F LOCK	2.0x 4.0	Ctr Ctr	0.62
N LOCK	3.0x 7.0	Ctr Ctr	0.45
M LOCK	5.0x 7.0	Ctr-0.5	0.83
L LOCK	3.0x 7.0	Ctr Ctr	0.53
K LOCK	3.0x 7.0	Ctr Ctr	0.53
J LOCK	5.0x 7.0	Ctr-0.5	0.83
R LOCK	3.0x 7.0	1.1 Ctr	0.59

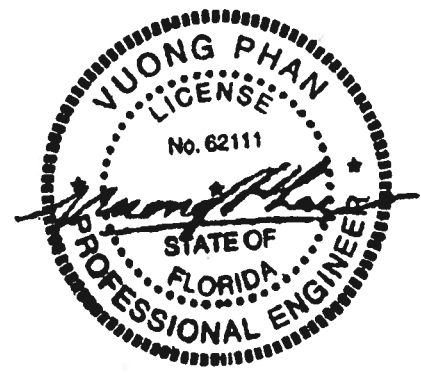
= Plate Monitor used

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.
Prevent truss rotation at all
bearing locations.
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

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682

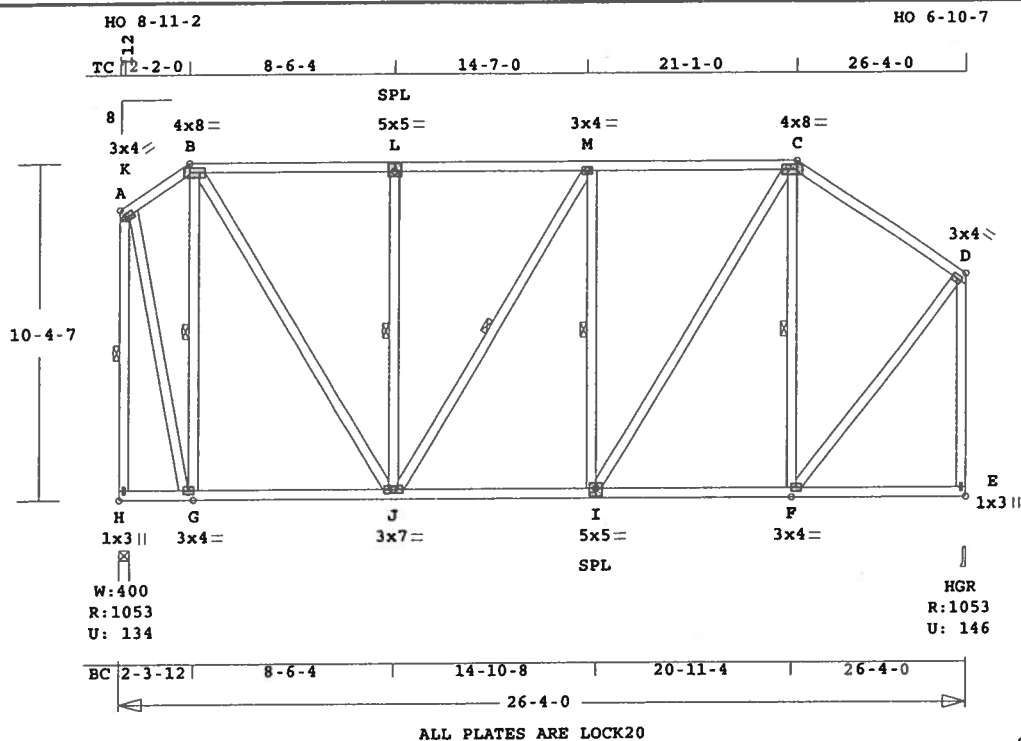


Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	A9	5	SP	430700	8	0	1- 6- 0	T06041877
U# J#ISAAC-CATO CATO								

BC Dead Load : 5.0 psf
 User-defined wind-exposed BC
 regions --From-- ---To---
 25-11- 0 43- 7- 0
 Max comp. force 1154 Lbs
 Quality Control Factor 1.25

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	A10	4	HIPP	260400	8	0	0	T06041877

U# J#ISAAC-CATO CATO



Scale 0 168" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 301.9 LBS

C - D 0.28 531 C 0.00 0.28

Tampa, FL 33682

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

CSI -Size- ---Lumber---
TC 0.37 2x 4 SP-#2
BC 0.28 2x 4 SP-#2
WB 0.57 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0- 0- 0 26- 4- 0
BC Cont. 0- 0- 0 26- 4- 0
WB 1 rows CLB on H -K
WB 1 rows CLB on G -B
WB 1 rows CLB on J -L
WB 1 rows CLB on J -M
WB 1 rows CLB on I -M
WB 1 rows CLB on F -C

Attach CLB with (2)-10d nails
at each web.

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

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

Jt React Uplft Size Req'd
Lbs Lbs In-Sx In-Sx
H 1053 134 4- 0 1- 8
Hz = -321
E 1053 147 3- 8 1- 8
Hz = 312

Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
K -B 0.05 248 C 0.02 0.03
B -L 0.37 614 C 0.00 0.37
L -M 0.37 614 C 0.00 0.37
M -C 0.35 688 C 0.00 0.35

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

H -G 0.13 238 T 0.00 0.13
G -J 0.23 237 T 0.02 0.21
J -I 0.28 688 T 0.07 0.21
I -F 0.24 452 T 0.04 0.20
F -E 0.20 225 T 0.00 0.20

-----Webs-----

H -K 0.29 1045 C WindLd 1 Br
K -G 0.16 876 T
G -B 0.25 753 C 1 Br
B -J 0.23 751 T
J -L 0.13 388 C 1 Br
J -M 0.06 142 C 1 Br
I -M 0.08 259 C 1 Br
I -C 0.18 448 T
F -C 0.14 439 C 1 Br
F -D 0.13 723 T
E -D 0.57 1010 C WindLd

TL Defl -0.08" in G -J L/999
LL Defl -0.03" in G -J L/999
Shear // Grain in B -L 0.26

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

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Jt Type	Plt Size	X	Y	JSI
K LOCK	3.0x 4.0	Ctr	Ctr	0.78
B LOCK	4.0x 8.0	Ctr	Ctr	0.97
L LOCK	5.0x 5.0	Ctr	0.5	0.65
M LOCK	3.0x 4.0	Ctr	Ctr	0.58
C LOCK	4.0x 8.0	Ctr	Ctr	0.97
D LOCK	3.0x 4.0	Ctr	Ctr	0.78
H LOCK	1.0x 3.0	Ctr	Ctr	0.81
G LOCK	3.0x 4.0	Ctr	Ctr	0.70
J LOCK	3.0x 7.0	Ctr	Ctr	0.58
I LOCK	5.0x 5.0	Ctr	0.5	0.65
F LOCK	3.0x 4.0	Ctr	Ctr	0.58
E LOCK	1.0x 3.0	Ctr	Ctr	0.81

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

Provide connection to bearing
for 322 Lbs Horiz Reaction
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

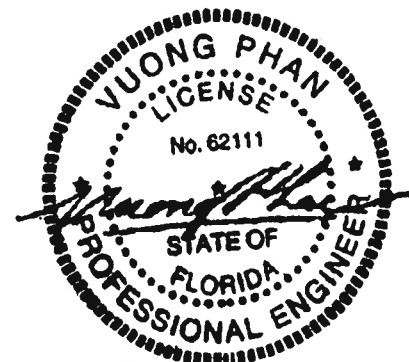
Max comp. force 1045 Lbs

Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan

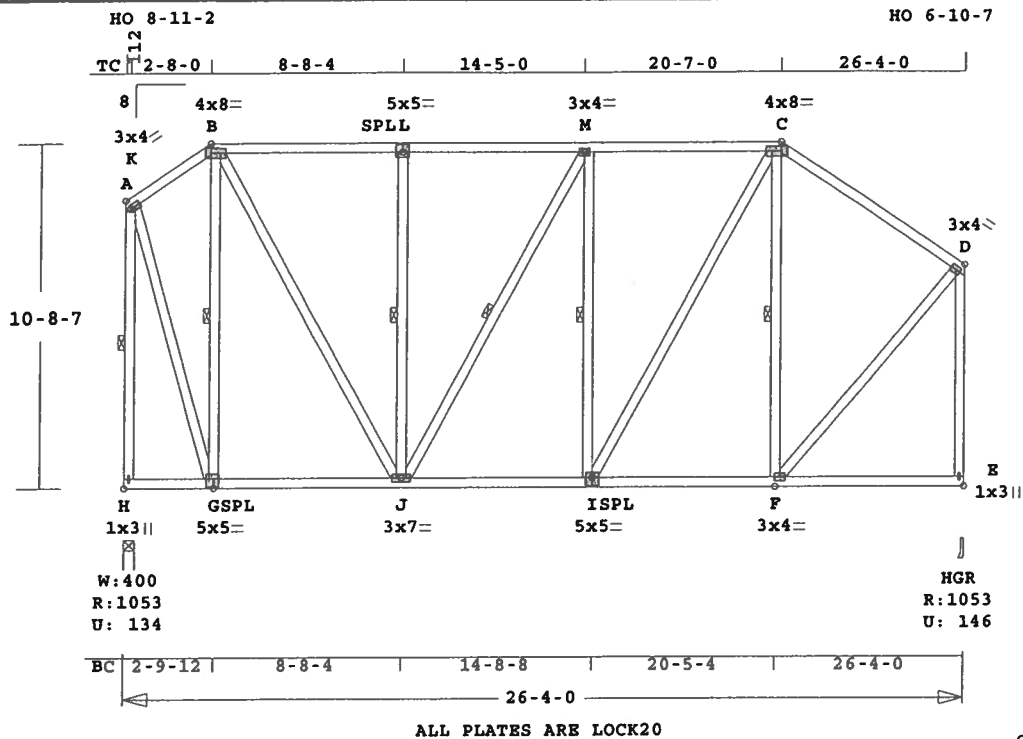
License #: 62111

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



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	A11	1	HIPP	260400	8	0	0	T06041877

U# J#ISAAC-CATO CATO



Robbins Engineering, Inc./Online Plus" APPROX. TRUSS WEIGHT: 306.2 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

CSI -Size- ---Lumber---
TC 0.35 2x 4 SP-#2
BC 0.26 2x 4 SP-#2
WB 0.56 2x 4 SP-#2

Brace truss as follows:

O.C. From To
TC Cont. 0- 0- 0 26- 4- 0
BC Cont. 0- 0- 0 26- 4- 0
WB 1 rows CLB on H -K
WB 1 rows CLB on G -B
WB 1 rows CLB on J -L
WB 1 rows CLB on J -M
WB 1 rows CLB on I -M
WB 1 rows CLB on F -C
Attach CLB with (2)-10d nails
at each web.

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

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
H	1053	135	4- 0	1- 8
			Hx =	-328
E	1053	146	3- 8	1- 8
			Hx =	319

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
K -B	0.05	290 C	0.00	0.05
B -L	0.33	597 C	0.00	0.33
L -M	0.33	597 C	0.00	0.33
M -C	0.31	665 C	0.00	0.31

C -D	0.35	550 C	0.00	0.35
-----Bottom Chords-----				
H -G	0.12	241 T	0.00	0.12
G -J	0.21	252 T	0.02	0.19
J -I	0.25	665 T	0.06	0.19
I -F	0.26	468 T	0.04	0.22
F -E	0.22	232 T	0.00	0.22
-----Webs-----				
H -K	0.30	1037 C	WindLd	1 Br
K -G	0.15	838 T		
G -B	0.25	706 C		1 Br
B -J	0.23	701 T		
J -L	0.13	367 C		1 Br
J -M	0.06	137 C		1 Br
I -M	0.08	234 C		1 Br
I -C	0.18	399 T		
F -C	0.14	405 C		1 Br
F -D	0.13	710 T		
E -D	0.56	1005 C	WindLd	
TL Defl	-0.07"	in F -E	L/999	
LL Defl	-0.03"	in F -E	L/999	
Shear //	Grain	in B -L	0.24	

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

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

Plate - LOCK 20 Ga, Gross Area				
Plate - RHS 20 Ga, Gross Area				
Jt Type	Plt Size	X	Y	JSI
K LOCK	3.0x 4.0	Ctr	Ctr	0.78
B LOCK	4.0x 8.0	Ctr	Ctr	0.97
L LOCK	5.0x 5.0	Ctr	0.5	0.65
M LOCK	3.0x 4.0	Ctr	Ctr	0.58
C LOCK	4.0x 8.0	Ctr	Ctr	0.97
D LOCK	3.0x 4.0	Ctr	Ctr	0.78
H LOCK	1.0x 3.0	Ctr	Ctr	0.81
G LOCK	5.0x 5.0-0.5-0.5	0.5	0.73	
J LOCK	3.0x 7.0	Ctr	Ctr	0.54
I LOCK	5.0x 5.0	Ctr	0.5	0.65
F LOCK	3.0x 4.0	Ctr	Ctr	0.58
E LOCK	1.0x 3.0	Ctr	Ctr	0.81

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055

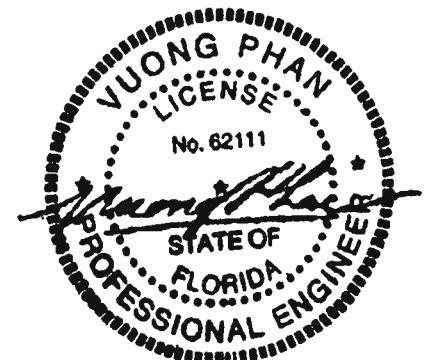
Tampa, FL 33682

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

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Provide connection to bearing
for 328 Lbs Horiz Reaction
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: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682

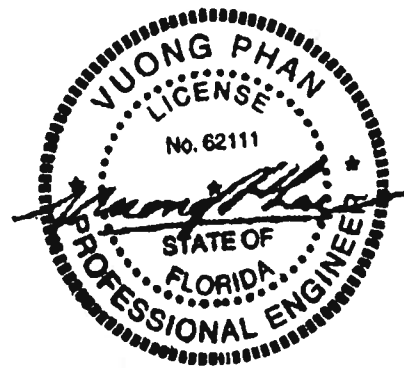


U# J#ISAAC-CATO CATO



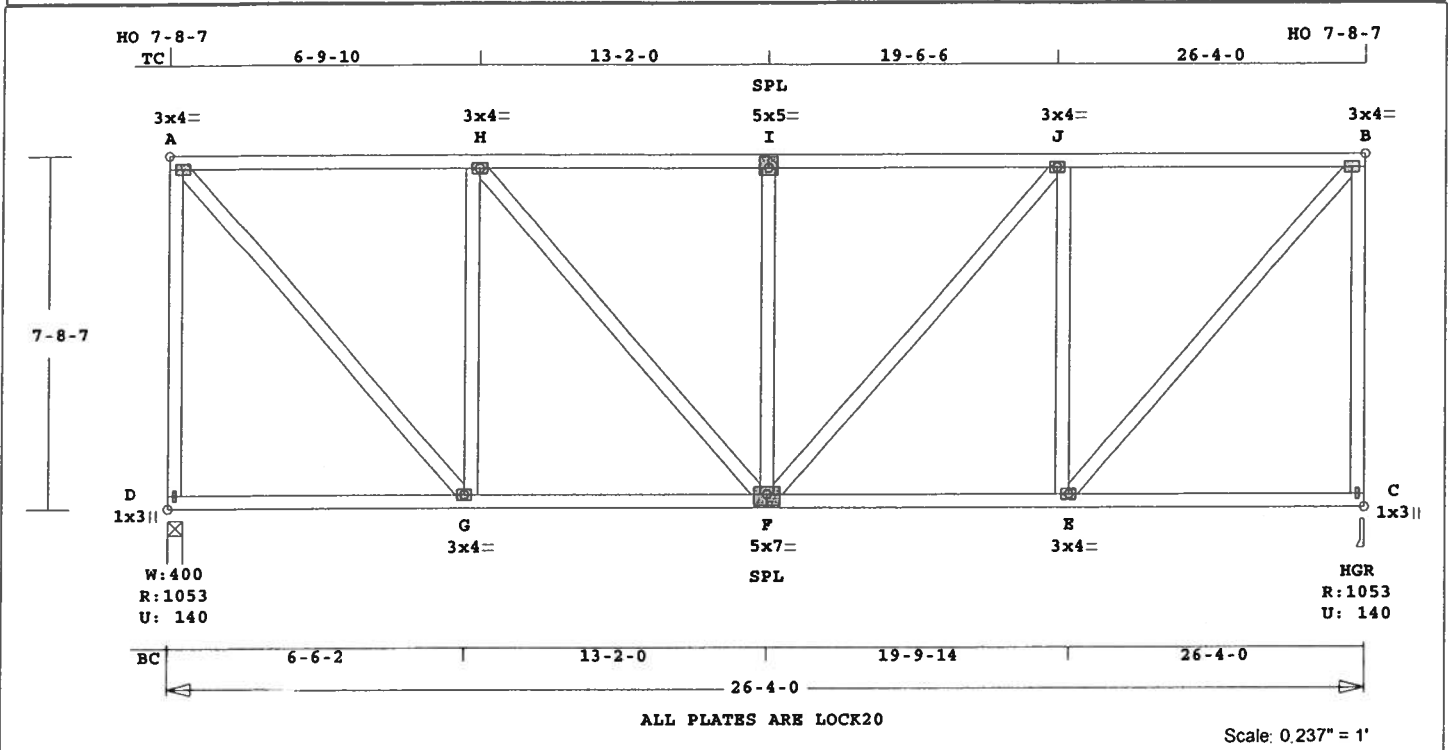
Scale: 0.169" = 1'

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	A14	1	FLAT	260400	70807	0	0	T06041877

U# J#ISAAC-CATO CATO



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 238.1 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

TC	BC	WB	Size	Lumber
0.48	0.34	0.68	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	26- 4- 0
BC Cont.	0- 0- 0	26- 4- 0

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

Plus 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	1053	140	4- 0	1- 8
			Hz =	-240
C	1053	140	3- 8	1- 8
			Hz =	241

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -H	0.48	733 C	0.00	0.48
H -I	0.48	946 C	0.00	0.48
I -J	0.48	946 C	0.00	0.48
J -B	0.48	733 C	0.00	0.48
-----Bottom Chords-----				
D -G	0.27	184 T	0.00	0.27
G -F	0.34	733 T	0.07	0.27
F -E	0.34	733 T	0.07	0.27

E -C	0.27	184 T	0.00	0.27
-----Webs-----				
D -A	0.68	998 C	WindLd	
A -G	0.20	1111 T		
G -H	0.47	687 C		
H -F	0.05	322 T		
F -I	0.25	364 C		
F -J	0.05	322 T		
E -J	0.47	687 C		
E -B	0.20	1111 T		
C -B	0.68	998 C	WindLd	
TL Defl	-0.11"	in E -C	L/999	
LL Defl	-0.05"	in E -C	L/999	
Shear //	Grain	in A -H	0.30	

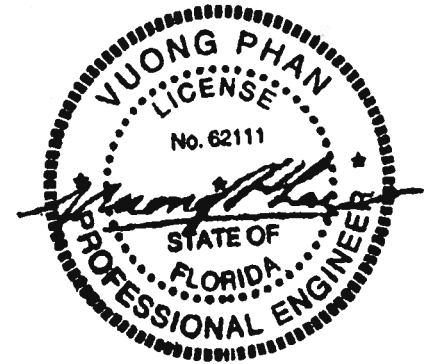
Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr Ctr 0.78
H LOCK 3.0x 4.0 Ctr Ctr 0.58
I LOCK 5.0x 5.0 Ctr 0.5 0.65
J LOCK 3.0x 4.0 Ctr Ctr 0.58
B LOCK 3.0x 4.0 Ctr Ctr 0.78
D LOCK 1.0x 3.0 Ctr Ctr 0.81
G LOCK 3.0x 4.0 Ctr Ctr 0.71
F LOCK 5.0x 7.0 Ctr-0.5 0.65
E LOCK 3.0x 4.0 Ctr Ctr 0.71
C 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.

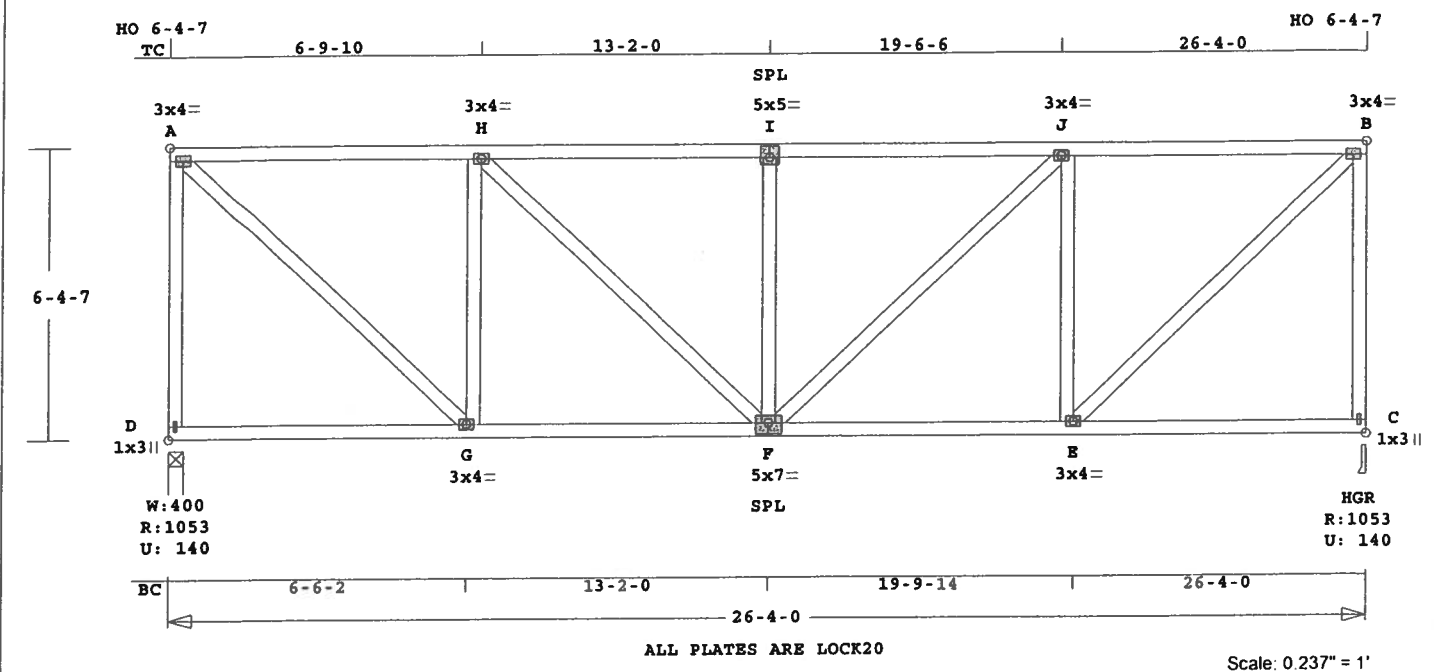
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
Provide drainage to prevent
water ponding.
This truss must be installed
as shown. It cannot be
installed upside-down.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as 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 998 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	A15	1	FLAT	260400	60407	0	0	T06041877

U# J#ISAAC-CATO CATO



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 218.3 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

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

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	26- 4- 0
BC Cont.	0- 0- 0	26- 4- 0

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

Plus 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	1053	140	4- 0	1- 8
			Hz =	-196
C	1053	140	3- 8	1- 8
			Hz =	197

Membr	CSI	P	Lbs	Axl	CSI	Bnd
-----Top Chords-----						
A -H	0.48		894 C	0.00	0.48	
H -I	0.48		1154 C	0.00	0.48	
I -J	0.48		1154 C	0.00	0.48	
J -B	0.48		894 C	0.00	0.48	
-----Bottom Chords-----						
D -G	0.27		150 T	0.00	0.27	
G -F	0.36		894 T	0.09	0.27	
F -E	0.36		894 T	0.09	0.27	
E -C	0.27		150 T	0.00	0.27	

-----Webs-----			
D -A	0.46	998 C	WindLd
A -G	0.22	1223 T	
G -H	0.31	687 C	
H -F	0.06	355 T	
F -I	0.16	364 C	
I -J	0.06	355 T	
E -J	0.31	687 C	
E -B	0.22	1223 T	
C -B	0.46	998 C	WindLd

TL Defl -0.12" in E -C L/999
LL Defl -0.05" in E -C L/999
Shear // Grain in A -H 0.30

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr Ctr 0.78
H LOCK 3.0x 4.0 Ctr Ctr 0.58
I LOCK 5.0x 5.0 Ctr Ctr 0.5 0.65
J LOCK 3.0x 4.0 Ctr Ctr 0.58
B LOCK 3.0x 4.0 Ctr Ctr 0.78
D LOCK 1.0x 3.0 Ctr Ctr 0.81
G LOCK 3.0x 4.0 Ctr Ctr 0.76
F LOCK 5.0x 7.0 Ctr-0.5 0.65
E LOCK 3.0x 4.0 Ctr Ctr 0.76
C LOCK 1.0x 3.0 Ctr Ctr 0.81

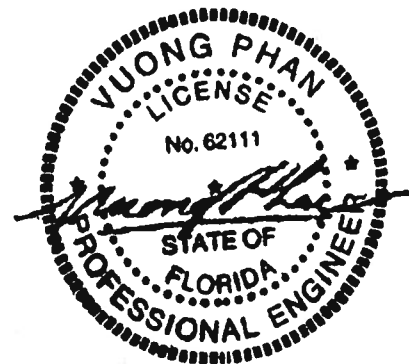
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

NOTES:
Trusses Manufactured by:

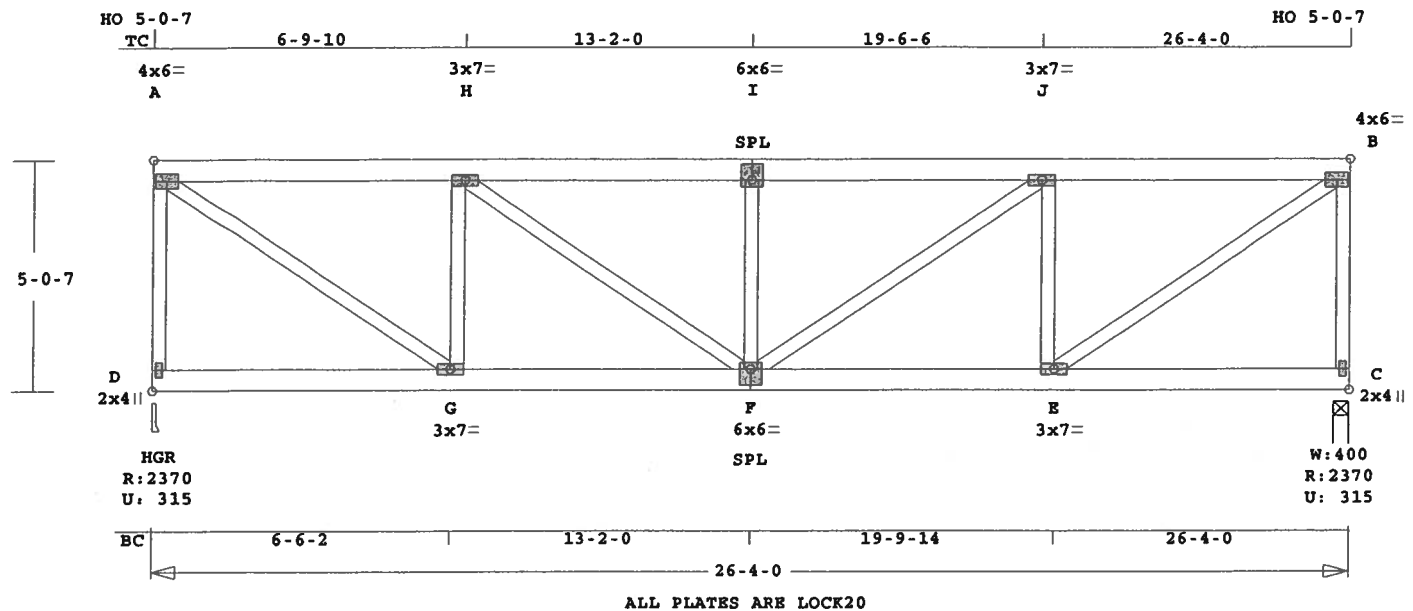
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
Design checked for 10 psf non-
concurrent LL on BC.
Provide drainage to prevent
water ponding.
This truss must be installed
as shown. It cannot be
installed upside-down.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
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 1154 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	A16	1*2P	FLAT	260400	50007	0	0	T06041877

U# J#ISAAC-CATO CATO



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

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

* 2-Ply Truss *

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

TC	0.28	2x 6	SP-#2
BC	0.24	2x 6	SP-#2
WB	0.29	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	26- 4- 0
BC Cont.	0- 0- 0	26- 4- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25
TC Fb=1.00 Fc=1.00 Ft=1.00			
BC Fb=1.00 Fc=1.00 Ft=1.00			

Load Case # 1 Standard Loading

Lumber Duration Factor	1.25			
Plate Duration Factor	1.25			
plf - Live	Dead	From	To	
TC V	40	20	0.0'	26.3'
BC V	0	20	0.0'	26.3'
TC V	50	25	0.0'	26.3'
BC V	0	25	0.0'	26.3'

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	
D	2370	316	3- 8	1- 8
			Hz =	-143
C	2370	316	4- 0	1- 8
			Hz =	144

Membr	CSI	P	Lbs	Ax1-CSI-Bnd
-----Top Chords-----				
A -H	0.27	2651	C	0.00 0.27
H -I	0.28	3432	C	0.01 0.27
I -J	0.28	3432	C	0.01 0.27
J -B	0.27	2651	C	0.00 0.27
-----Bottom Chords-----				

D -G	0.10	109	T	0.00	0.10
G -F	0.24	2651	T	0.17	0.07
F -E	0.24	2651	T	0.17	0.07
E -C	0.10	109	T	0.00	0.10

-----Webs-----

D -A	0.12	2239	C	WindLd
A -G	0.29	3241	T	
G -H	0.08	1539	C	
H -F	0.08	954	T	
F -I	0.04	824	C	
F -J	0.08	954	T	
E -J	0.08	1539	C	
E -B	0.29	3241	T	
C -B	0.12	2239	C	WindLd

TL Defl -0.10" in G -F L/999
LL Defl -0.05" in G -F L/999
Shear // Grain in A -H 0.21

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

ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate	-	RHS	20 Ga, Gross Area	
Jt Type	Plt Size	X	Y	JSI
A LOCK	4.0x 6.0	Ctr	Ctr	0.74
H LOCK	3.0x 7.0	Ctr	Ctr	0.39
I LOCK	6.0x 6.0	Ctr	1.2	0.52
J LOCK	3.0x 7.0	Ctr	Ctr	0.39
B LOCK	4.0x 6.0	Ctr	Ctr	0.74
D LOCK	2.0x 4.0	Ctr	Ctr	0.64
G LOCK	3.0x 7.0	Ctr	Ctr	0.56
F LOCK	6.0x 6.0	Ctr	1.2	0.54
E LOCK	3.0x 7.0	Ctr	Ctr	0.56
C LOCK	2.0x 4.0	Ctr	Ctr	0.64

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 2	12	24	0
BC 2	12	24	0
WB 1	8	8	

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

Prevent truss rotation at all
bearing locations.

Provide drainage to prevent
water ponding.

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

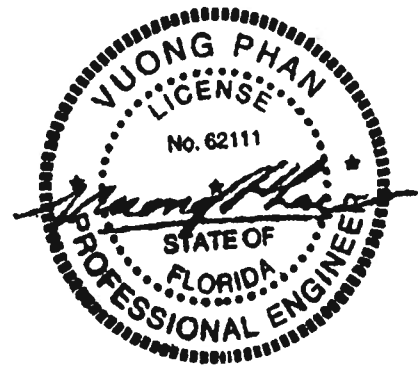
Exposure Category: B
Occupancy Factor: 1.00

Building Type: Enclosed
Zone location: Exterior

TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf

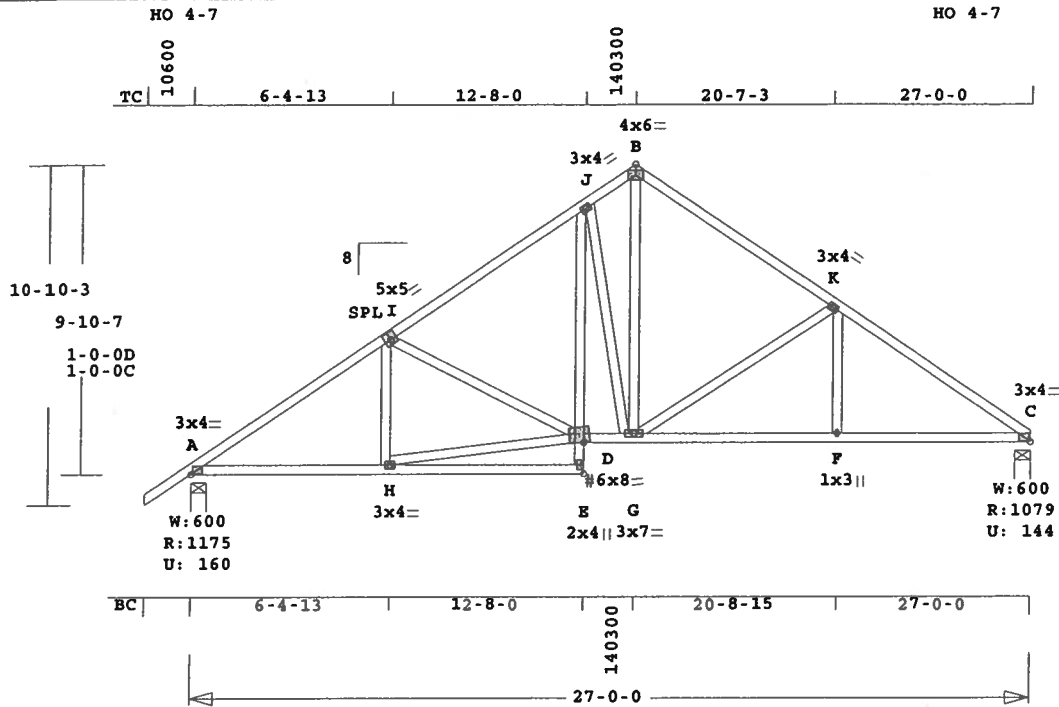
Max comp. force 3432 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
ISAAC-CATO	B1	2	SP	270000	8	1- 6- 0	0	T06041877

U# J#ISAAC-CATO CATO



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

Scale: 0.162" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 214.6 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

	CSI	-Size-	----	Lumber	----
TC	0.40	2x 4	SP-#2		
BC	0.37	2x 4	SP-#2		
CW	0.18	2x 4	SP-#2		
WB	0.36	2x 4	SP-#2		

Brace truss as follows:	O.C.	From	To
TC Cont.	0- 0- 0	27- 0- 0	0
BC Cont.	0- 0- 0	27- 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
A	1176	160	6- 0	1- 8
			Hx =	-198
C	1080	145	6- 0	1- 8
			Hx =	197

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -I	0.38	1506	C	0.01	0.37
I -J	0.38	1165	C	0.01	0.37
J -B	0.22	1030	C	0.00	0.22
B -K	0.39	1036	C	0.00	0.39
K -C	0.40	1503	C	0.01	0.39
-----Bottom Chords-----					
A -H	0.37	1260	T	0.13	0.24
H -E	0.25	89	T	0.01	0.24
D -G	0.31	964	T	0.16	0.15
G -F	0.34	1259	T	0.21	0.13

F -C	0.34	1259	T	0.13	0.21
-----Chord-Webs-----					
E -D	0.18	100	T	0.00	0.18
D -J	0.06	319	T	0.05	0.01
-----Webs-----					
H -I	0.02	143	T		
H -D	0.21	1185	T		
I -D	0.20	333	C		
J -G	0.36	490	C		
G -B	0.18	912	T		
G -K	0.35	484	C		
F -K	0.03	259	T		

TL Defl	-0.16"	in H	-E	L/999
LL Defl	-0.07"	in H	-E	L/999
Shear //		Grain	in B	-K 0.22

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

REPORT: NER 691

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Jt Type Plt Size X Y JSI

A LOCK 3.0x 4.0 Ctr Ctr 0.83

I LOCK 5.0x 5.0-0.3 0.5 0.64

J LOCK 3.0x 4.0 Ctr Ctr 0.48

B LOCK 4.0x 6.0 Ctr Ctr 0.59

K LOCK 3.0x 4.0 Ctr Ctr 0.71

C LOCK 3.0x 4.0 Ctr Ctr 0.83

H LOCK 3.0x 4.0 Ctr Ctr 0.79

E LOCK 2.0x 4.0 Ctr Ctr 0.58

D# LOCK 6.0x 8.0-0.1 1.2 0.58

G LOCK 3.0x 7.0 Ctr Ctr 0.68

F LOCK 1.0x 3.0 Ctr Ctr 0.81

= 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

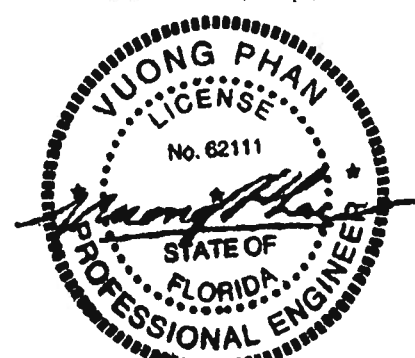
TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 1506 Lbs

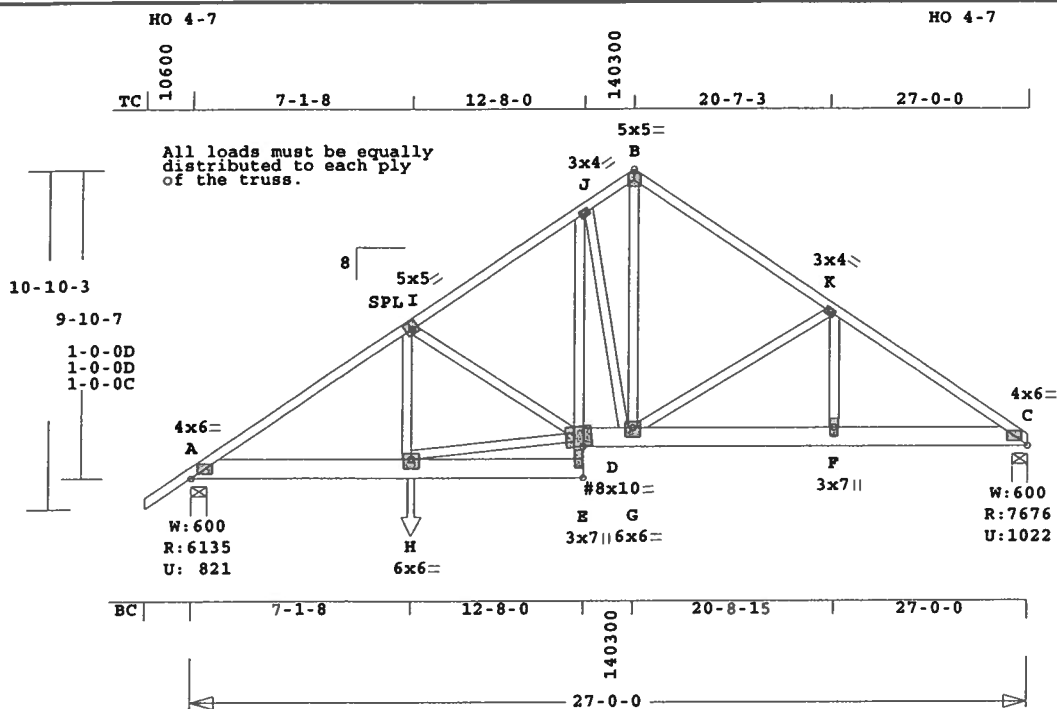
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	B2	1*3P	SP	270000	8	1- 6- 0	0	T06041877

U# J#ISAAC-CATO CATO



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

Scale: 0.162" = 1"

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 260.9 LBS

Online Plus -- Version 19.1.012

RUN DATE: 18-APR-06

* 3-Ply Truss *

CSI	-Size-	----	Lumber----
TC	0.40	2x 4	SP-#2
BC	0.63	2x 8	SP-#2
CW	0.69	2x 4	SP-#2
WB	0.49	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	27- 0- 0	
BC Cont.	0- 0- 0	27- 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	

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' 27.0'
BC V	0	20	0.0' 27.0'
BC V	243	243	8.1' 27.0'
BC V	1185	1185	7.1' CL-LB

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	6135	822	6- 0	2- 7
			Hx =	-195
C	7677	1023	6- 0	3- 0
			Hx =	195

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -I	0.38	10498	C	0.25	0.13
I -J	0.26	8271	C	0.12	0.14
J -B	0.17	7423	C	0.04	0.13
B -K	0.18	7510	C	0.10	0.08
K -C	0.40	11024	C	0.21	0.19
-----Bottom Chords-----					
A -H	0.34	8738	T	0.29	0.05
H -E	0.34	887	T	0.03	0.31

D -G	0.51	6861	T	0.23	0.28
G -F	0.59	9195	T	0.31	0.28
F -C	0.63	9195	T	0.31	0.32
-----Chord-Webs-----					
E -D	0.69	1349	T	0.08	0.61
D -J	0.19	2941	T	0.18	0.01
-----Webs-----					
H -I	0.12	2216	T		
H -D	0.49	7977	T		
I -D	0.08	2224	C		
J -G	0.10	2613	C		
G -B	0.48	7907	T		
G -K	0.14	3469	C		
F -K	0.20	3529	T		

TL Defl	-0.24"	in H -E	L/999
LL Defl	-0.12"	in H -E	L/999
Shear //	Grain	in D -G	0.39

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	0.81
I	LOCK	5.0x 5.0	-0.3	0.5	0.64
J	LOCK	3.0x 4.0	Ctr	Ctr	0.87
B	LOCK	5.0x 5.0	Ctr	Ctr	0.92
K	LOCK	3.0x 4.0	Ctr	Ctr	1.00
C	LOCK	4.0x 6.0	Ctr	Ctr	0.85
H	LOCK	6.0x 6.0	Ctr	-0.6	0.73
E	LOCK	3.0x 7.0	Ctr	Ctr	0.68
D#	LOCK	8.0x10.0	Ctr	0.2	0.56
G	LOCK	6.0x 6.0	Ctr	-0.6	0.96
F	LOCK	3.0x 7.0	Ctr	-0.1	0.84

= 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

3 COMPLETE TRUSSES REQUIRED.
Fasten together in staggered
pattern. (1/2" bolts -OR-

SDS4.5 screws -OR- 16d nails
as each layer is applied.)

----Spacing (In)----

Rows Nails Screws Bolts

TC	1	12	24	0
BC	2	12	21	0
WB	1	8	8	

No bolts in 2x4s or smaller.
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.

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

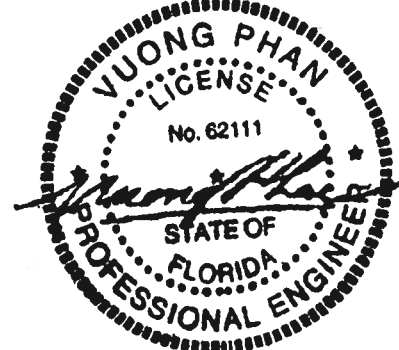
Max comp. force 11024 Lbs

Quality Control Factor 1.25

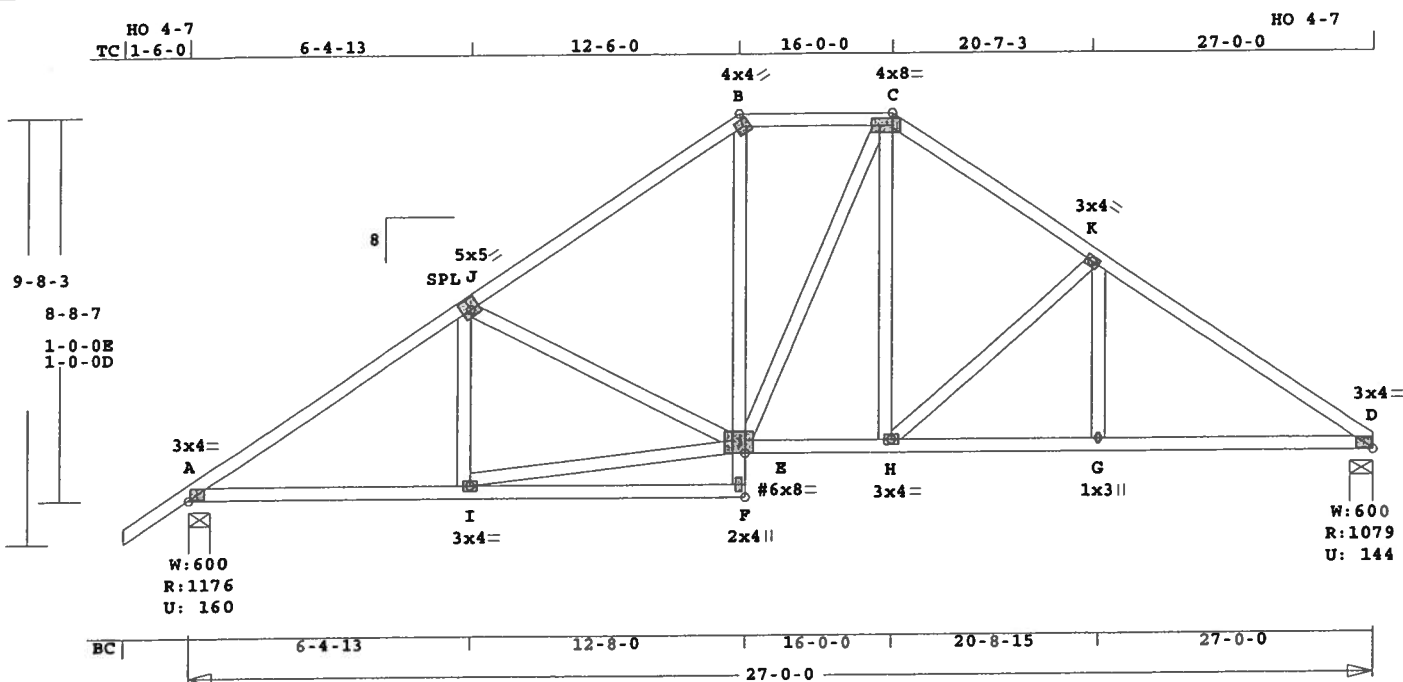
Truss Design Engineer: Vuong Phan

License #: 62111

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



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	B3	1	SP	270000	'8	1- 6- 0	0	T06041877
U# J#ISAAC-CATO CATO								



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

Scale: 0.228" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 209.2 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

CSI	-Size-	-----Lumber-----
TC	0.39	2x 4 SP-#2
BC	0.37	2x 4 SP-#2
CW	0.09	2x 4 SP-#2
WB	0.22	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	27- 0- 0
BC Cont.	0- 0- 0	27- 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
A	1176	160	6- 0	1- 8
			Hx =	-173
D	1080	145	6- 0	1- 8
			Hx =	172

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A - J	0.39	1507	C	0.01	0.38
J - B	0.39	1174	C	0.01	0.38
B - C	0.15	968	C	0.00	0.15
C - K	0.28	1142	C	0.01	0.27
K - D	0.29	1490	C	0.04	0.25
-----Bottom Chords-----					
A - I	0.37	1260	T	0.13	0.24
I - F	0.24	40	T	0.00	0.24
E - H	0.20	937	T	0.15	0.05
H - G	0.30	1242	T	0.20	0.10

G - D	0.31	1242	T	0.20	0.11
-----Chord-Webs-----					
F - E	0.08	100	T	0.00	0.08
E - B	0.09	370	T	0.06	0.03
-----Webs-----					
I - J	0.02	134	T		
I - E	0.22	1235	T		
J - E	0.20	329	C		
E - C	0.06	117	T		
H - C	0.06	363	T		
H - K	0.20	396	C		
G - K	0.03	231	T		

TL Defl -0.15" in I - F L/999
LL Defl -0.06" in I - F L/999
Shear // Grain in J - B 0.22

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

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Jt	Type	Plt	Size	X	Y	JSI
A	LOCK	3.0x	4.0	Ctr	Ctr	0.83
J	LOCK	5.0x	5.0-0.3	0.5	0.64	
B	LOCK	4.0x	4.0	Ctr	Ctr	0.98
C	LOCK	4.0x	8.0	Ctr	Ctr	0.98
K	LOCK	3.0x	4.0	Ctr	Ctr	0.71
D	LOCK	3.0x	4.0	Ctr	Ctr	0.83
I	LOCK	3.0x	4.0	Ctr	Ctr	0.79
F	LOCK	2.0x	4.0	Ctr	Ctr	0.58
E#	LOCK	6.0x	8.0	Ctr	1.2	0.56
H	LOCK	3.0x	4.0	Ctr	Ctr	0.59
G	LOCK	1.0x	3.0	Ctr	Ctr	0.81

= 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

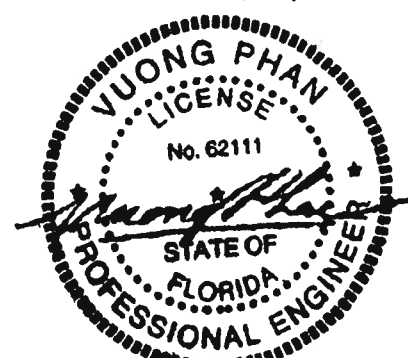
TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

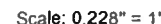
Max comp. force 1507 Lbs

Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



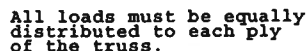
U# J#ISAAC-CATO CATO



100

Date Sealed: 1/18/2006

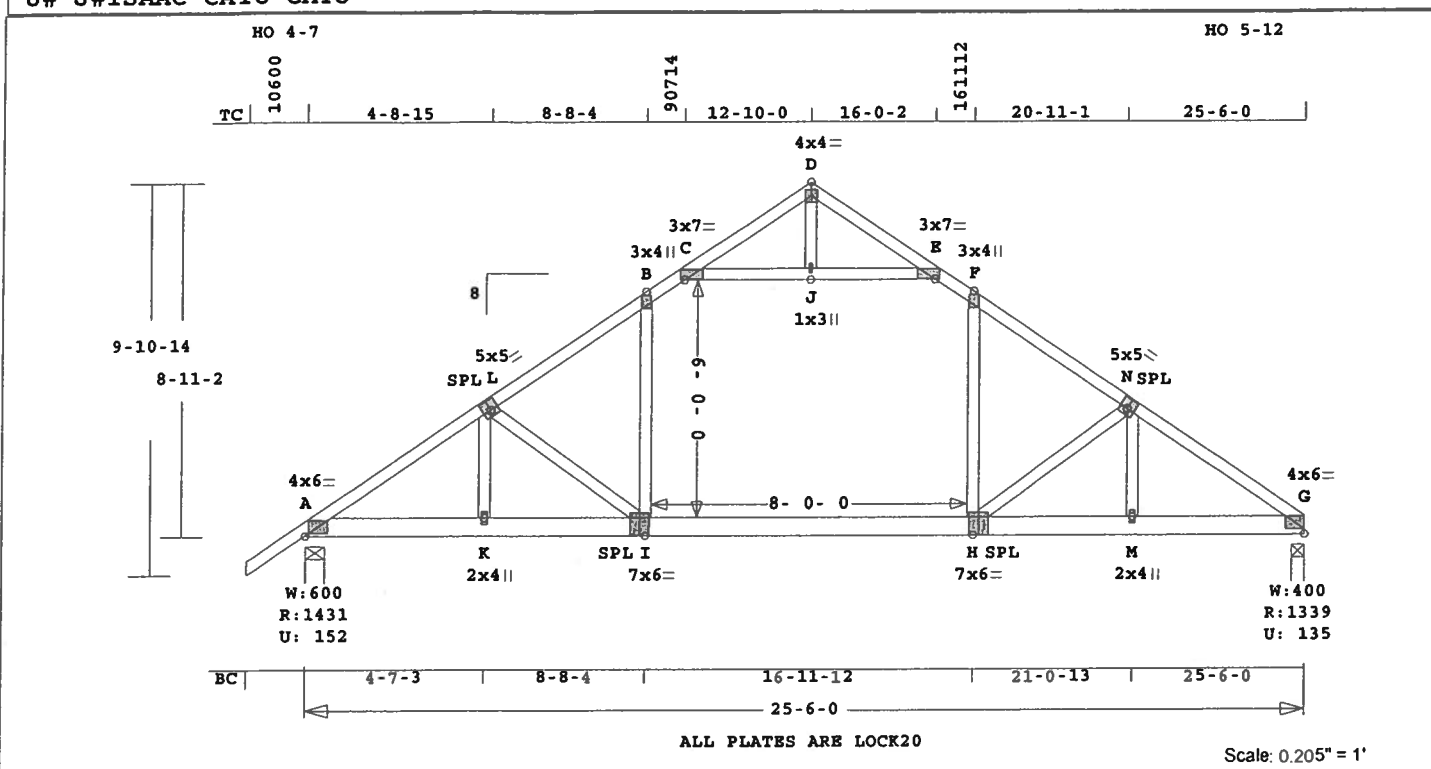
U# J#ISAAC-CATO CATO



Scale: 0.228" = 1'

Date Sealed: 4/18/2006

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	C1	6	ATI2	250600	8	1- 6- 0	0	T06041877
U# J#ISAAC-CATO CATO								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 198.2 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

CSI -Size- ---Lumber---
TC 0.91 2x 4 SP-#2
BC 0.97 2x 6 SP-#2
WB 0.15 2x 4 SP-#2
ACT 0.15 2x 4 SP-#2
AWT 0.01 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 25- 6- 0
BC Cont. 0- 0- 0 25- 6- 0

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 40.0
Spacing 24.0"
Lumber Duration Factor 1.00
Plate Duration Factor 1.00
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Load Case # 1 Attic Loading
Lumber Duration Factor 1.00
Plate Duration Factor 1.00
plf - Live Dead From To
TC V 40 20 0.0' 25.5'
BC V 0 20 0.0' 25.5'
TC V 0 10 8.8' 9.7'
TC V 0 10 16.0' 16.8'
BC V 60 10 8.8' 16.8'
MA V 0 10 9.9' 15.8'
MA V 0 10 0.2' 5.8'
MA V 0 10 0.2' 5.8'

Plus 6 Wind Load Case(s)
Plus 2 Unbalanced Load Cases
Plus 1 UBC LL Load Case(s)

Jt React Uplift Size Req'd
Lbs Lbs In-Sx In-Sx
A 1432 152 6- 0 1-11
Hz = -184
G 1340 135 4- 0 1- 9
Hz = 185

Membr CSI P Lbs Ax1-CSI-Bnd
-----Top Chords-----
A -L 0.41 2029 C 0.04 0.37
L -B 0.74 1819 C 0.04 0.70

B -C 0.89 1357 C 0.01 0.88
C -D 0.88 65 T 0.00 0.88
D -E 0.90 63 T 0.00 0.90
E -F 0.91 1359 C 0.01 0.90
F -N 0.71 1815 C 0.04 0.67
N -G 0.37 1955 C 0.03 0.34
-----Bottom Chords-----
A -K 0.36 1705 T 0.25 0.11
K -I 0.91 1705 T 0.18 0.73
I -H 0.97 1463 T 0.18 0.79
H -M 0.97 1637 T 0.18 0.79
M -G 0.40 1637 T 0.24 0.16
-----Webs-----
K -L 0.02 158 C
L -I 0.12 400 C
I -B 0.15 760 T
H -F 0.15 751 T
H -N 0.10 326 C
M -N 0.03 214 C

-----Attic Chords (Top)-----
C -J 0.15 1490 C 0.15 0.00
J -E 0.15 1490 C 0.15 0.00
-----Attic Webs (Top)-----
J -D 0.01 47 T

TL Defl -0.33" in I -H L/901
LL Defl -0.20" in I -H L/999
Shear // Grain in B -C 1.02

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 4.0x 6.0 Ctr Ctr 0.59
L LOCK 5.0x 5.0-0.3 0.5 0.62
B LOCK 3.0x 4.0 Ctr 1.2 0.55
C LOCK 3.0x 7.0-0.6 Ctr 0.33
D LOCK 4.0x 4.0 Ctr Ctr 0.69
E LOCK 3.0x 7.0 0.6 Ctr 0.33
F LOCK 3.0x 4.0 Ctr 1.2 0.55
N LOCK 5.0x 5.0 0.3 0.5 0.62
G LOCK 4.0x 6.0 Ctr Ctr 0.58
K LOCK 2.0x 4.0 Ctr Ctr 0.40
I LOCK 7.0x 6.0 Ctr 0.8 0.44
H LOCK 7.0x 6.0 Ctr 0.8 0.44
M LOCK 2.0x 4.0 Ctr Ctr 0.40
J LOCK 1.0x 3.0 Ctr Ctr 0.81

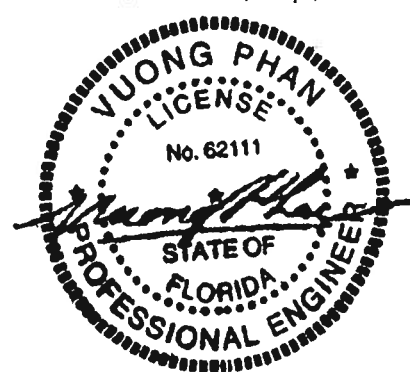
REVIEWED BY:
Robbins Engineering, Inc.

PO Box 280055
Tampa, FL 33682

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

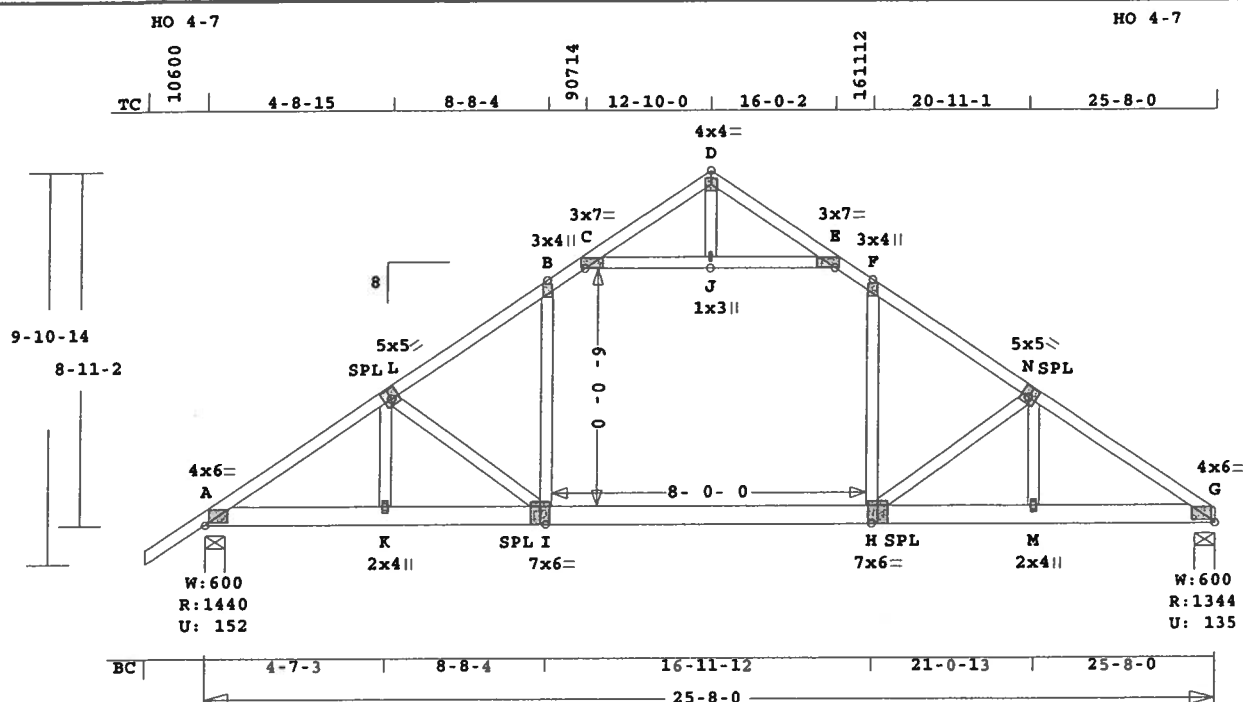
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Unbalanced Loads Checked
Load Factors = 1.00 and 0.00
Max comp. force 2029 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	C2	1	ATI2	250800	8	1- 6- 0	0	T06041877

U# J#ISAAC-CATO CATO



ALL PLATES ARE LOCK20

Scale: 0.205" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 199.1 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

CSI -Size- ---Lumber---
TC 0.91 2x 4 SP-#2
BC 0.94 2x 6 SP-#2
WB 0.15 2x 4 SP-#2
ACT 0.15 2x 4 SP-#2
AWT 0.01 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 25- 8- 0
BC Cont. 0- 0- 0 25- 8- 0

Loading Live Dead (psf)
TC 20.0 10.0
BC 0.0 10.0
Total 20.0 20.0 40.0
Spacing 24.0"
Lumber Duration Factor 1.00
Plate Duration Factor 1.00
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Load Case # 1 Attic Loading
Lumber Duration Factor 1.00
Plate Duration Factor 1.00
plf - Live Dead From To
TC V 40 20 0.0' 25.7'
BC V 0 20 0.0' 25.7'
TC V 0 10 8.8' 9.7'
TC V 0 10 16.0' 16.8'
BC V 60 10 8.8' 16.8'
MA V 0 10 9.9' 15.8'
MA V 0 10 0.2' 5.8'
MA V 0 10 0.2' 5.8'

Plus 6 Wind Load Case(s)
Plus 2 Unbalanced Load Cases
Plus 1 UBC LL Load Case(s)

Jt React Uplift Size Req'd
Lbs Lbs In-Sx In-Sx
A 1440 152 6- 0 1-11
Hz = -185
G 1344 135 6- 0 1- 9
Hz = 186

Membr CSI P Lbs Ax1-Csi-Bnd
-----Top Chords-----
A -L 0.41 2042 C 0.04 0.37
L -B 0.75 1840 C 0.03 0.72

B -C 0.91 1373 C 0.01 0.90
C -D 0.90 66 T 0.00 0.90
D -E 0.90 66 T 0.00 0.90
E -F 0.91 1373 C 0.01 0.90
F -N 0.75 1840 C 0.03 0.72
N -G 0.41 2042 C 0.04 0.37

-----Bottom Chords-----
A -K 0.38 1716 T 0.26 0.12
K -I 0.94 1716 T 0.18 0.76
I -H 0.94 1481 T 0.18 0.76
H -M 0.94 1716 T 0.18 0.76
M -G 0.38 1716 T 0.26 0.12

-----Webs-----
K -L 0.02 167 C
L -I 0.12 394 C
I -B 0.15 768 T
H -F 0.15 768 T
H -N 0.12 394 C
M -N 0.02 167 C
-----Attic Chords (Top)-----
C -J 0.15 1510 C 0.15 0.00
J -E 0.15 1510 C 0.15 0.00
-----Attic Webs (Top)-----
J -D 0.01 48 T

TL Defl -0.33" in I -H L/889
LL Defl -0.20" in I -H L/999
Shear // Grain in B -C 1.03

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

REPORT: NER 691
ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER
USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area

Jt Type Plt Size X Y JSI
A LOCK 4.0x 6.0 Ctr Ctr 0.59
L LOCK 5.0x 5.0-0.3 0.5 0.62
B LOCK 3.0x 4.0 Ctr 1.2 0.56
C LOCK 3.0x 7.0-0.6 Ctr 0.34
D LOCK 4.0x 4.0 Ctr Ctr 0.69
E LOCK 3.0x 7.0 0.6 Ctr 0.34
F LOCK 3.0x 4.0 Ctr 1.2 0.56
N LOCK 5.0x 5.0 0.3 0.5 0.62
G LOCK 4.0x 6.0 Ctr Ctr 0.59
K LOCK 2.0x 4.0 Ctr Ctr 0.40
I LOCK 7.0x 6.0 Ctr Ctr 0.8 0.45
H LOCK 7.0x 6.0 Ctr Ctr 0.8 0.45
M LOCK 2.0x 4.0 Ctr Ctr 0.40
J LOCK 1.0x 3.0 Ctr Ctr 0.81

REVIEWED BY:
Robbins Engineering, Inc.

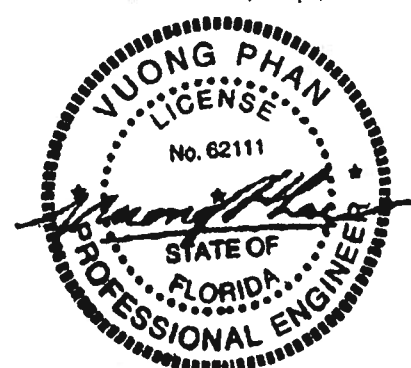
PO Box 280055
Tampa, FL 33682

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

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

OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Unbalanced Loads Checked
Load Factors = 1.00 and 0.00
Max comp. force 2042 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682

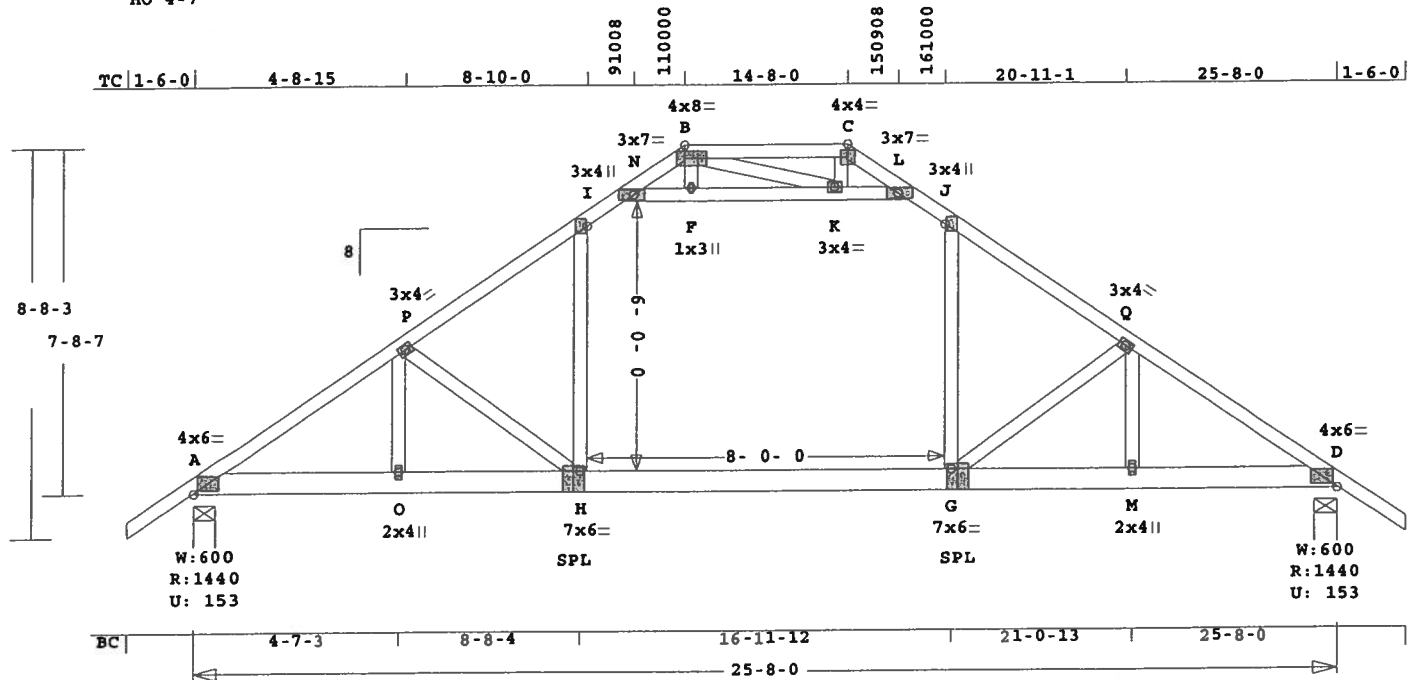


Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	C3	1	HIPP	250800	8	1- 6- 0	1- 6- 0	T06041877

U# J#ISAAC-CATO CATO

HO 4-7

HO 4-7



ALL PLATES ARE LOCK20

Scale: 0.232" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 206.1 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

CSI -Size- ---Lumber---
TC 0.99 2x 4 SP-#2
BC 0.92 2x 6 SP-#2
WB 0.15 2x 4 SP-#2
ACT 0.17 2x 4 SP-#2
AWT 0.03 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	25- 8- 0
BC Cont.	0- 0- 0	25- 8- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.00
Plate Duration Factor			1.00
TC Fb=1.15	Fc=1.10	Ft=1.10	
BC Fb=1.10	Fc=1.10	Ft=1.10	

Load Case # 1 Attic Loading
Lumber Duration Factor 1.00
Plate Duration Factor 1.00
pif - Live Dead From To
TC V 40 20 0.0' 25.7'
BC V 0 20 0.0' 25.7'
TC V 0 10 8.8' 9.7'
TC V 0 10 16.0' 16.8'
BC V 60 10 8.8' 16.8'
MA V 0 10 9.9' 15.8'
MA V 0 10 0.2' 5.8'
MA V 0 10 0.2' 5.8'

Plus 6 Wind Load Case(s)
Plus 2 Unbalanced Load Cases
Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size	Req'd
Lbs	Lbs	In-Sx	In-Sx	
A	1440	153	6- 0	1-11
			Hx =	-159
D	1440	153	6- 0	1-11
			Hx =	160

Membr	CSI	P	Lbs	Ax1	CSI-Bnd
-----Top Chords-----					
A -P	0.40	2040	C	0.03	0.37
P -I	0.71	1842	C	0.03	0.68
I -N	0.99	1378	C	0.01	0.98

N -B	0.99	211	T	0.01	0.98
B -C	0.23	296	T	0.03	0.20
C -L	0.98	194	T	0.00	0.98
L -J	0.99	1378	C	0.01	0.98
J -Q	0.71	1842	C	0.03	0.68
Q -D	0.40	2040	C	0.03	0.37

-----Bottom Chords-----
A -O 0.38 1713 T 0.26 0.12
O -H 0.92 1713 T 0.19 0.73
H -G 0.92 1487 T 0.19 0.73
G -M 0.92 1713 T 0.19 0.73
M -D 0.38 1713 T 0.26 0.12

-----Webs-----
O -P 0.02 156 C
P -H 0.12 375 C
H -I 0.15 761 T
G -J 0.15 760 T
G -Q 0.12 375 C
M -Q 0.02 156 C

-----Attic Chords (Top)-----
N -F 0.17 1667 C 0.17 0.00
F -K 0.09 1670 C 0.02 0.07
K -L 0.17 1642 C 0.17 0.00

-----Attic Webs (Top)-----
F -B 0.00 34 T
B -K 0.03 136 T
K -C 0.01 73 T

TL Defl -0.32" in H -G L/930
LL Defl -0.19" in H -G L/999
Shear // Grain in I -N 1.04

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	0.59
P LOCK	3.0x 4.0	Ctr	Ctr	0.69
I LOCK	3.0x 4.0	Ctr	1.2	0.56
N LOCK	3.0x 7.0	0.6	Ctr	0.37
B LOCK	4.0x 8.0	Ctr	Ctr	0.96
C LOCK	4.0x 4.0	Ctr	Ctr	0.96
L LOCK	3.0x 7.0	0.6	Ctr	0.37
J LOCK	3.0x 4.0	Ctr	1.2	0.56
Q LOCK	3.0x 4.0	Ctr	Ctr	0.69
D LOCK	4.0x 6.0	Ctr	Ctr	0.59
O LOCK	2.0x 4.0	Ctr	Ctr	0.40
H LOCK	7.0x 6.0	Ctr	0.8	0.44
G LOCK	7.0x 6.0	Ctr	0.8	0.44
M LOCK	2.0x 4.0	Ctr	Ctr	0.40
F LOCK	1.0x 3.0	Ctr	Ctr	0.81
K LOCK	3.0x 4.0	Ctr	Ctr	0.77

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

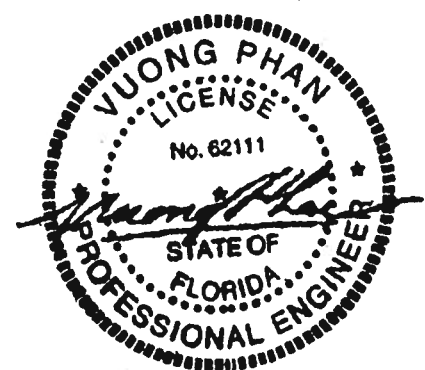
Unbalanced Loads Checked

Load Factors = 1.00 and 0.00

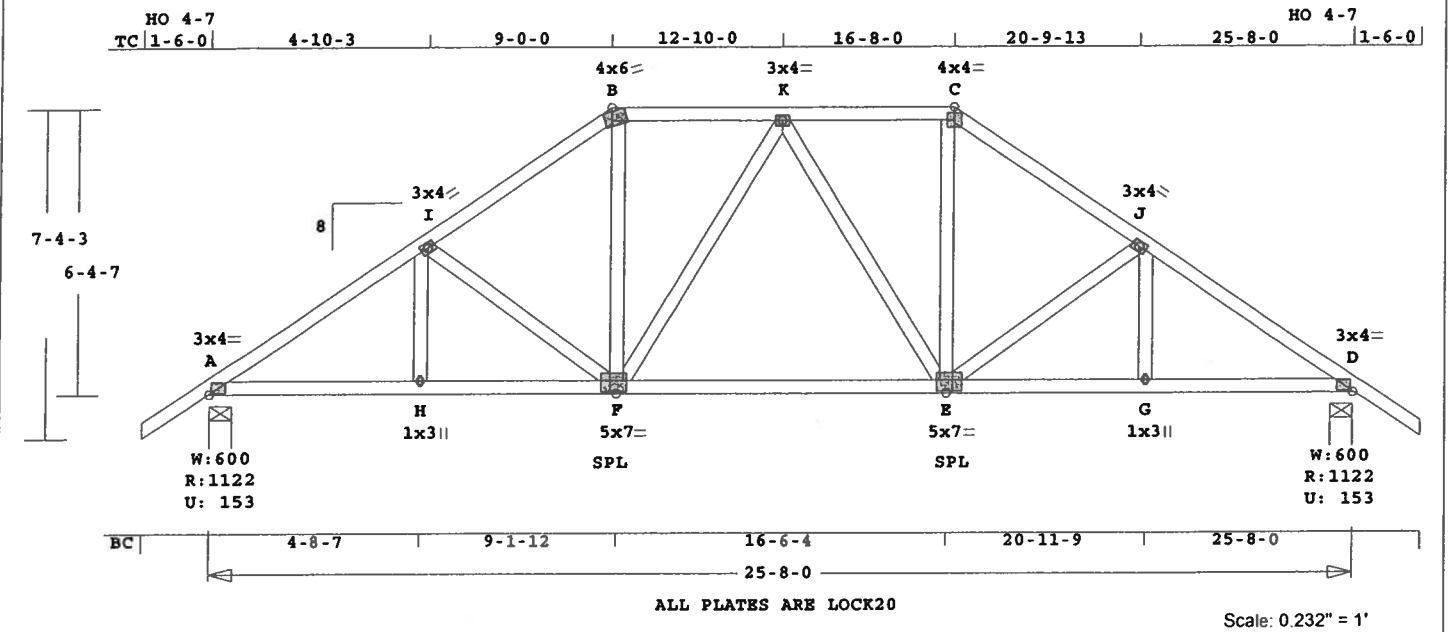
Max comp. force 2040 Lbs

Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	C4	1	HIPP	250800	8	1- 6- 0	1- 6- 0	T06041877
U# J#ISAAC-CATO CATO								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 189.3 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

TC	BC	WB	CSI	Size	Lumber
0.15	0.35	0.10	2x 4	SP-#2	

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	25- 8- 0
BC Cont.	0- 0- 0	25- 8- 0

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

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

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

Jt	React	Uplft	Size	Req'd
A	1123	154	6- 0 1- 8	
D	1123	154	6- 0 1- 8	

Hz = -130
Hz = 131

Membr	CSI	P	Lbs	Axl	CSI	Bnd
A -I	0.15	1464	C	0.01	0.14	
I -B	0.15	1188	C	0.01	0.14	
B -K	0.13	987	C	0.00	0.13	
K -C	0.13	987	C	0.00	0.13	
C -J	0.15	1188	C	0.01	0.14	
J -D	0.15	1464	C	0.01	0.14	

-----Bottom Chords-----
A -H 0.26 1217 T 0.20 0.06
H -F 0.35 1217 T 0.12 0.23
F -E 0.33 1060 T 0.10 0.23

E -G	0.35	1217	T	0.12	0.23
G -D	0.26	1217 <td>T</td> <td>0.20</td> <td>0.06</td>	T	0.20	0.06
H -I	0.02	139	T		
I -F	0.10	282	C		
F -B	0.07	419	T		
F -K	0.08	141	C		
K -E	0.08	141	C		
E -C	0.07	419	T		
E -J	0.10	282	C		
G -J	0.02	139	T		

TL Defl -0.17" in F -E L/999
LL Defl -0.07" in F -E L/999
Shear // Grain in F -E 0.16

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

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

Plate	LOCK	20 Ga	Gross Area
Plate - Rhs	20 Ga <td>Gross Area</td>	Gross Area	
Jt Type	Plt Size	X	Y
A LOCK	3.0x 4.0	Ctr	Ctr
I LOCK	3.0x 4.0	Ctr	Ctr
B LOCK	4.0x 6.0	0.8-2.8	0.55
K LOCK	3.0x 4.0	Ctr	Ctr
C LOCK	4.0x 4.0	Ctr	Ctr
J LOCK	3.0x 4.0	Ctr	Ctr
D LOCK	3.0x 4.0	Ctr	Ctr
H LOCK	1.0x 3.0	Ctr	Ctr
F LOCK	5.0x 7.0	1.0-0.5	0.64
E LOCK	5.0x 7.0	1.0-0.5	0.64
G LOCK	1.0x 3.0	Ctr	Ctr

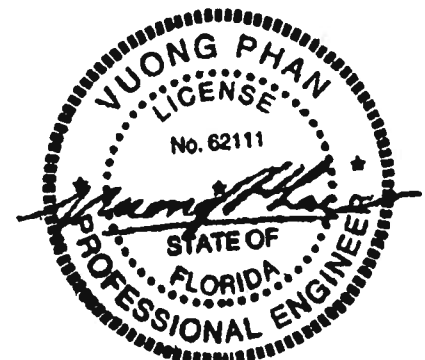
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

NOTES:

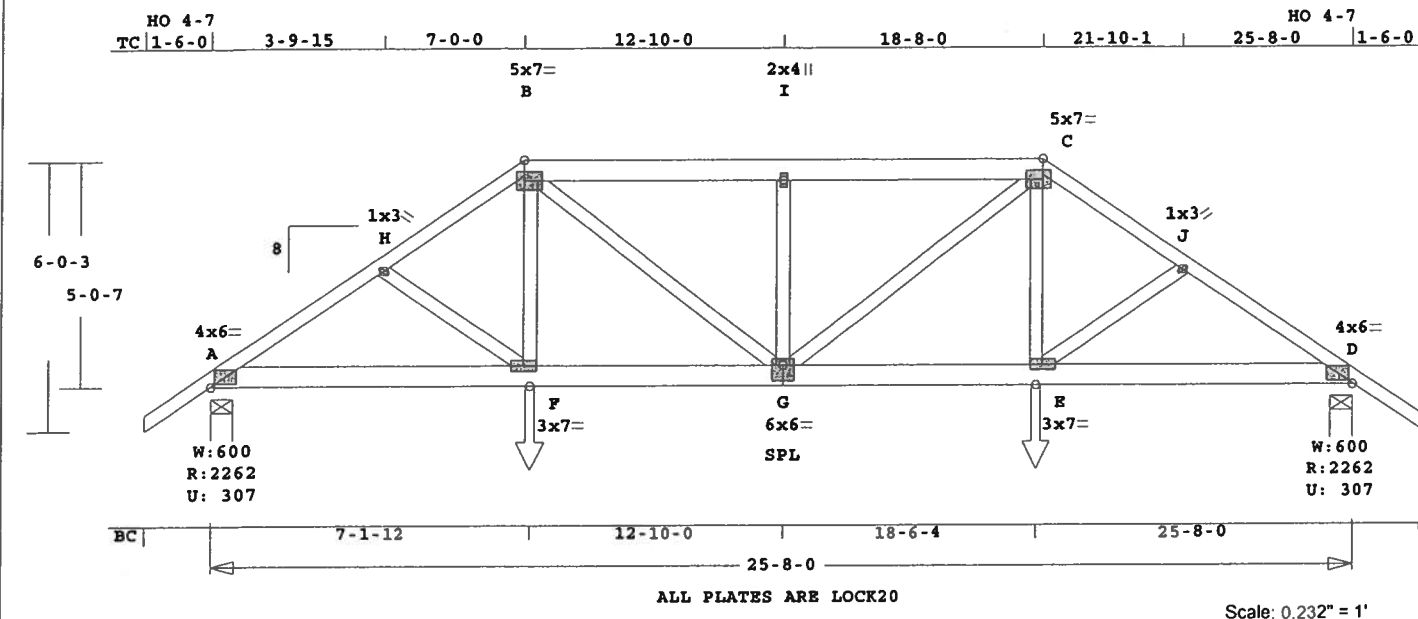
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: 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 1464 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	C5	1*2P	HIPP	250800	8	1- 6- 0	1- 6- 0	T06041877

U# J#ISAAC-CATO CATO



Robbins Engineering, Inc./Online Plus" APPROX. TRUSS WEIGHT: 208.7 LBS

Online Plus -- Version 19.1.012

RUN DATE: 18-APR-06

* 2-Ply Truss *

CSI	Size	---	Lumber	---
TC	0.25	2x 4	SP-#2	
EX B -C	2x 6	SP-#2		
BC	0.26	2x 6	SP-#2	
WB	0.09	2x 4	SP-#2	

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	25- 8- 0
BC Cont.	0- 0- 0	25- 8- 0

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25
TC Fb=1.00	Fc=1.00	Ft=1.00	
BC Fb=1.00	Fc=1.00	Ft=1.00	

Load Case # 1 Girder Loading				
Lumber Duration Factor				1.25
Plate Duration Factor				1.25
plf - Live	Dead	From	To	
TC V	40	20	0.0'	25.7'
BC V	0	20	0.0'	25.7'
TC V	50	25	7.0'	18.7'
BC V	0	25	7.1'	18.5'
BC V	280	280	7.1'	CL-LB
BC V	280	280	18.5'	CL-LB

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	2262	308	6- 0	1- 8
			Hx =	-99
D	2262	308	6- 0	1- 8
			Hx =	100

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----	Top	Chords	-----		
A -H	0.10	3477	C	0.02	0.08
H -B	0.25	3353	C	0.02	0.23
B -I	0.27	3651	C	0.01	0.26
I -C	0.27	3651	C	0.01	0.26

C -J	0.25	3353	C	0.02	0.23
J -D	0.10	3477	C	0.02	0.08
-----Bottom Chords-----					
A -F	0.24	2876	T	0.19	0.05
F -G	0.26	2812	T	0.18	0.08
G -E	0.26	2812	T	0.18	0.08
E -D	0.24	2876	T	0.19	0.05
-----Webs-----					
H -F	0.00	85	T		
F -B	0.06	777	T		
B -G	0.09	1062	T		
G -I	0.05	983	C		
G -C	0.09	1062	T		
E -C	0.06	777	T		
E -J	0.00	85	T		

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

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

REPORT: NER 691

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Jt Type Plt Size X Y JSI

A LOCK 4.0x 6.0 Ctr Ctr 0.58

H LOCK 1.0x 3.0 Ctr Ctr 0.77

B LOCK 5.0x 7.0-0.5 Ctr 0.86

I LOCK 2.0x 4.0 Ctr Ctr 0.38

C LOCK 5.0x 7.0 0.5 Ctr 0.86

J LOCK 1.0x 3.0 Ctr Ctr 0.77

D LOCK 4.0x 6.0 Ctr Ctr 0.58

F LOCK 3.0x 7.0 Ctr Ctr 0.38

G LOCK 6.0x 6.0 Ctr-1.2 0.54

E LOCK 3.0x 7.0 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
Girder Step Down Hip
Framing King Jacks

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

Rows	Nails	Screws	Bolts
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

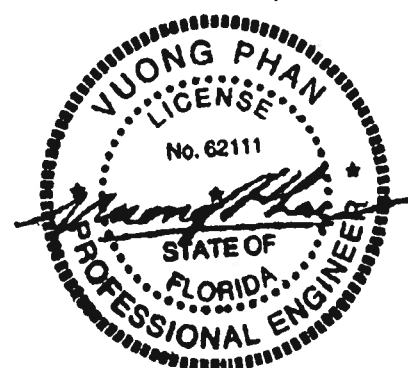
TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

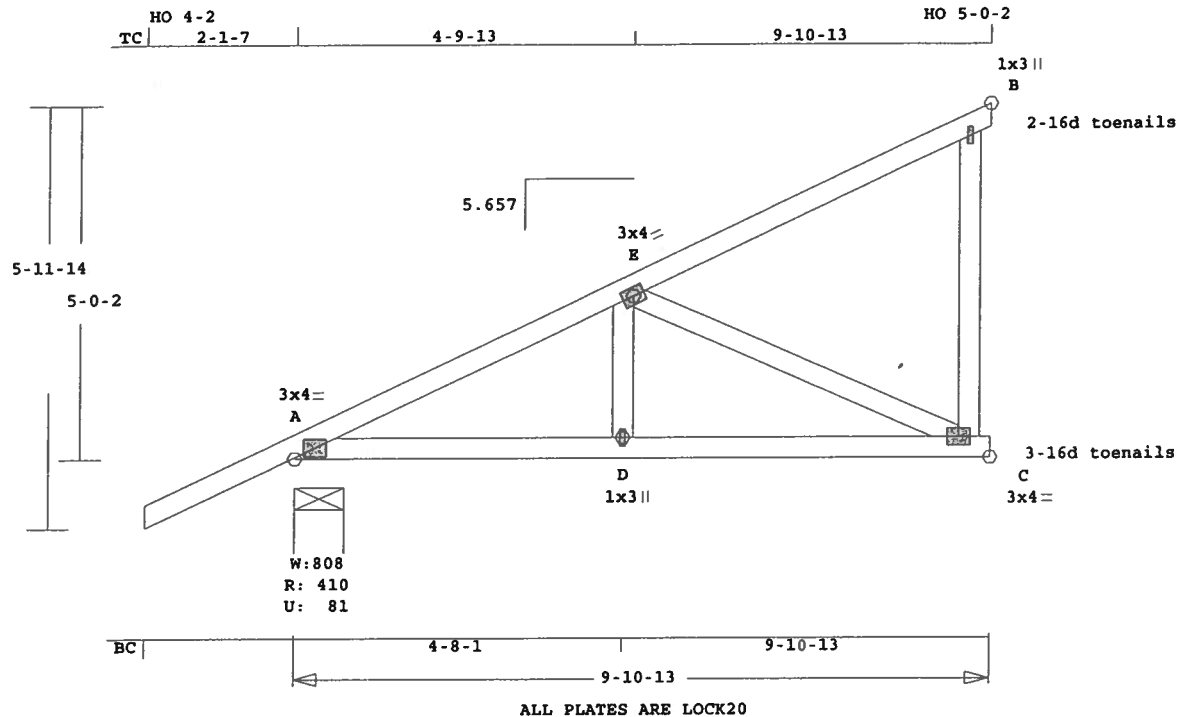
Max comp. force 3651 Lbs

Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License # 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	CJ1	4	MONO	91013	5.657	2- 1- 7	0	T06041877
U# J#ISAAC-CATO CATO								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 65.6 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

	CSI -Size-	-----Lumber-----
TC	0.42 2x 4	SP-#2
BC	0.29 2x 4	SP-#2
WB	0.19 2x 4	SP-#2

Brace truss as follows:

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

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25
TC Fb=1.00 Fc=1.00 Ft=1.00			
BC Fb=1.00 Fc=1.00 Ft=1.00			

Load Case # 1 Girder Loading	Lumber Duration Factor	Plate Duration Factor	plf - Live	Dead	From	To
TC V	40	20	0.0'	9.9'		
BC V	0	20	0.0'	9.9'		
TC V	-40	-20	0.0'			
	45	22		9.9'		
BC V	0	-20	0.0'			
	0	22		9.9'		

Plus 4 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	411	82	8- 8	1- 8
			Hz =	-58
C	343	10	1- 8	1- 8
B	257	93	1- 8	1- 8
			Hz =	170

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A - E	0.34	530 C	0.00	0.34
E - B	0.42	105 T	0.00	0.42
-----Bottom Chords-----				
A - D	0.23	501 T	0.05	0.18
D - C	0.29	501 T	0.05	0.24
-----Webs-----				
D - E	0.03	234 T		
E - C	0.19	550 C		
C - B	0.03	0 T	WindLd	

TL Defl -0.07" in D -C L/999
LL Defl -0.03" 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 4.0 Ctr Ctr 0.61
E LOCK 3.0x 4.0 Ctr Ctr 0.45
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

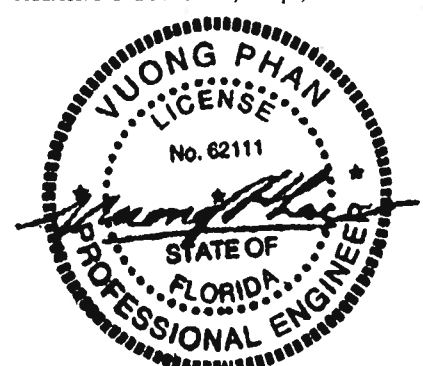
TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 550 Lbs

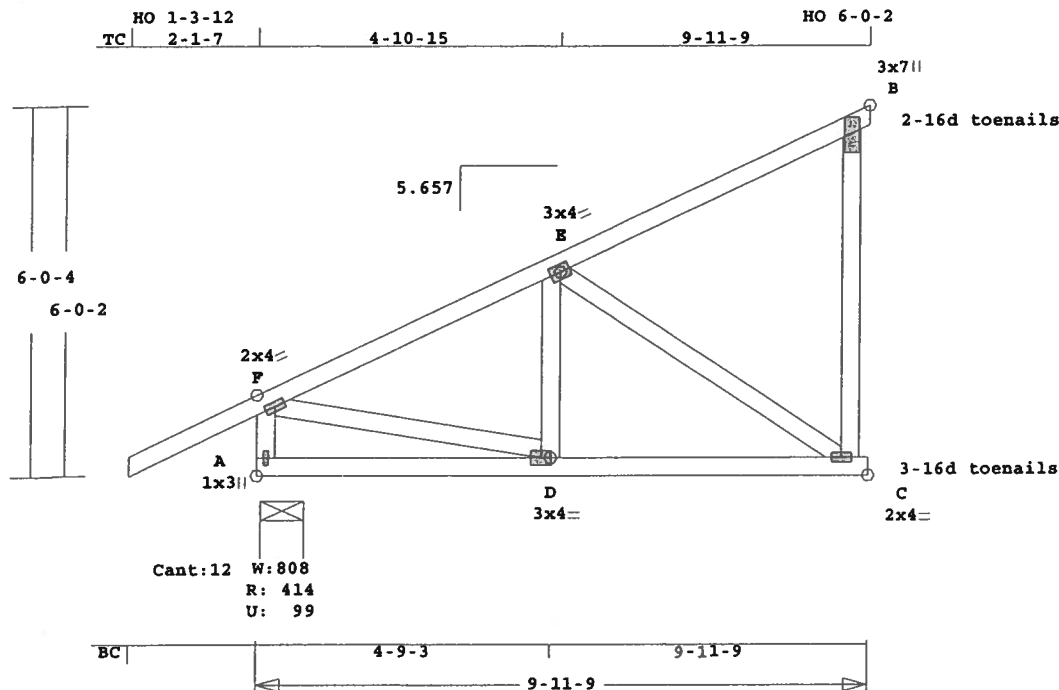
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	CJ2	1	MONO	91109	5.657	2- 1- 7	0	T06041877

U# J#ISAAC-CATO CATO



ALL PLATES ARE LOCK20

Scale: 0.319" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 80.4 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

TC	BC	WB	CSI -Size-	Lumber
0.41	0.27	0.18	2x 4	SP-#2
0.41	0.27	0.18	2x 4	SP-#2
0.41	0.27	0.18	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	9-11- 9
BC Cont.	0- 0- 0	9-11- 9

Loading	Live	Dead	(psf)
TC	20.0	10.0	
BC	0.0	10.0	
Total	20.0	20.0	40.0
Spacing			24.0"
Lumber Duration Factor			1.25
Plate Duration Factor			1.25
TC Fb=1.00	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	plf - Live	Dead	From	To
TC V	40	20	0.0'	10.0'		
BC V	0	20	0.0'	10.0'		
TC V	-40	-20	0.0'	10.0'		
BC V	45	23		10.0'		
BC V	0	-20	0.0'			
	0	23		10.0'		

Plus 4 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	415	99	8- 8	1- 8
			Hz =	-59
C	350	21	1- 8	1- 8
B	256	88	1- 8	1- 8
			Hz =	204

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

F - E	0.36	371 C	0.00	0.36
E - B	0.41	134 T	0.00	0.41
-----Bottom Chords-----				
A - D	0.19	66 T	0.00	0.19
D - C	0.27	359 T	0.04	0.23
-----Webs-----				
A - F	0.02	265 C	WindLd	
F - D	0.06	369 T		
D - E	0.02	183 T		
E - C	0.18	431 C		
C - B	0.05	0 T	WindLd	

TL Defl	-0.06"	in D - C	L/999
LL Defl	-0.03"	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
F LOCK 2.0x 4.0 Ctr Ctr 0.80
E LOCK 3.0x 4.0 Ctr Ctr 0.44
B LOCK 3.0x 7.0 Ctr-0.3 0.39
A LOCK 1.0x 3.0 Ctr Ctr 0.75
D LOCK 3.0x 4.0 Ctr Ctr 0.54
C LOCK 2.0x 4.0 Ctr Ctr 0.80

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

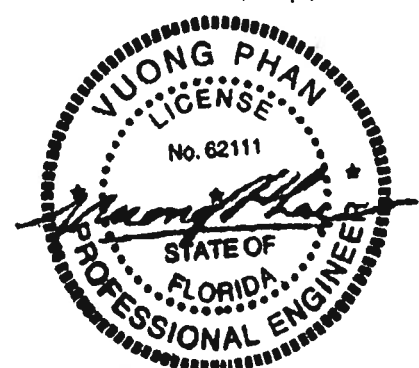
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

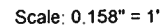
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.

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.
Max gap between edge of brg
and end vertical is 1/2".
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 431 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



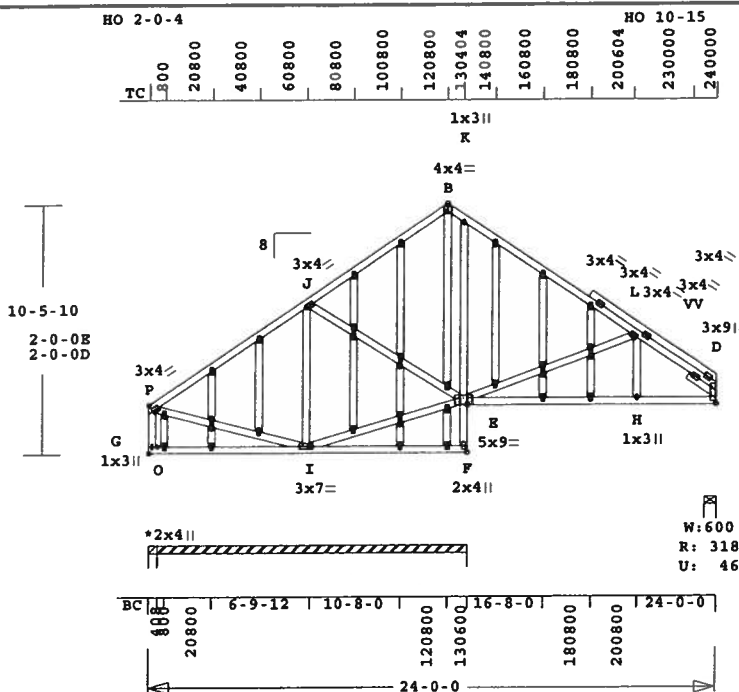
U# J#ISAAC-CATO CATO



A circular professional engineer seal for Vuong Phan. The outer ring contains the text "VUONG PHAN" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom, also separated by two stars. In the center, the license number "No. 62111" is printed. A handwritten signature, "Vuong Phan", is written across the seal, crossing over the "STATE OF FLORIDA" text.

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	D3	1	SP	240000	8	0	0	T06041877

U# J#ISAAC-CATO CATO



ALL PLATES ARE LOCK20
See * For Typical Gable Plate Size and Placement

Scale: 0.123" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 294.2 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

TC	0.52	2x 4	SP-#2
BC	0.34	2x 4	SP-#2
CW	0.26	2x 4	SP-#2
WB	0.32	2x 4	SP-#2
SL	0.02	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	24- 0- 0
BC Cont.	0- 0- 0	24- 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 13- 6-	0	
	1602	426	Hx =	219
Cont. Brg	0- 4- 8	0 to 13- 6-	0	
	1109	398	Hx =	66
D	318	46	6- 0	1- 8
			Hx =	186

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
P - J	0.52		67 C	0.02	0.50
J - B	0.50		118 T	0.00	0.50
B - K	0.48		72 C	0.00	0.48
K - L	0.52		179 T	0.04	0.48
L - VV	0.33		326 C	0.00	0.33
VV-D	0.10		169 C	0.00	0.10
-----Bottom Chords-----					
G - I	0.34		16 T	0.00	0.34

I - F	0.34	16 C	0.00	0.34
E - H	0.29	296 T	0.03	0.26
H - D	0.22	296 T	0.03	0.19
-----Chord-Webs-----				
F - E	0.23	855 C	0.00	0.23
E - K	0.26	554 C	0.19	0.07
-----Webs-----				
G - P	0.01	151 C	WindLd	
P - I	0.01	137 T		
I - J	0.16	332 C		
J - E	0.02	163 T		
I - E	0.08	186 T		
E - L	0.32	428 C		
H - L	0.03	225 T		
-----Sliders-----				
VV-D	0.02	228 C		

TL Defl -0.11" in E -H L/999
LL Defl -0.05" in E -H L/999
Shear // Grain in B -K 0.35

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	Plt Size	X	Y	JSI	
P LOCK	3.0x 4.0	Ctr	Ctr	0.74	
J LOCK	3.0x 4.0	Ctr	Ctr	0.67	
B LOCK	4.0x 4.0	Ctr	1.2	0.53	
K LOCK	1.0x 3.0	Ctr	Ctr	0.62	
L LOCK	3.0x 4.0	Ctr	Ctr	0.67	
VV LOCK	3.0x 4.0	Ctr	Ctr	0.50	
D LOCK	3.0x 9.0	1.5	0.6	0.82	
G LOCK	1.0x 3.0	Ctr	Ctr	0.81	
I LOCK	3.0x 7.0	Ctr	Ctr	0.59	
F LOCK	2.0x 4.0	Ctr	Ctr	0.58	
E LOCK	5.0x 9.0	Ctr	0.8	0.59	
H LOCK	1.0x 3.0	Ctr	Ctr	0.81	

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

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

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

NOTES:

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

FBC2004

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

Refer to Gen Det 3 series for
web bracing and plating.

Wind Loads - ANSI / ASCE 7-02

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

Wind Speed: 110 mph

Mean Roof Height: 15-0

Exposure Category: B

Occupancy Factor : 1.00

Building Type: Enclosed

Zone location: Exterior

TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

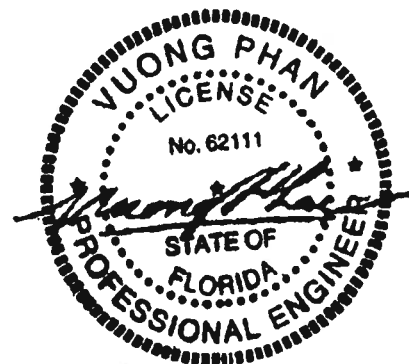
User-defined wind-exposed BC
regions --From-- --To--

13- 6- 0 24- 0- 0

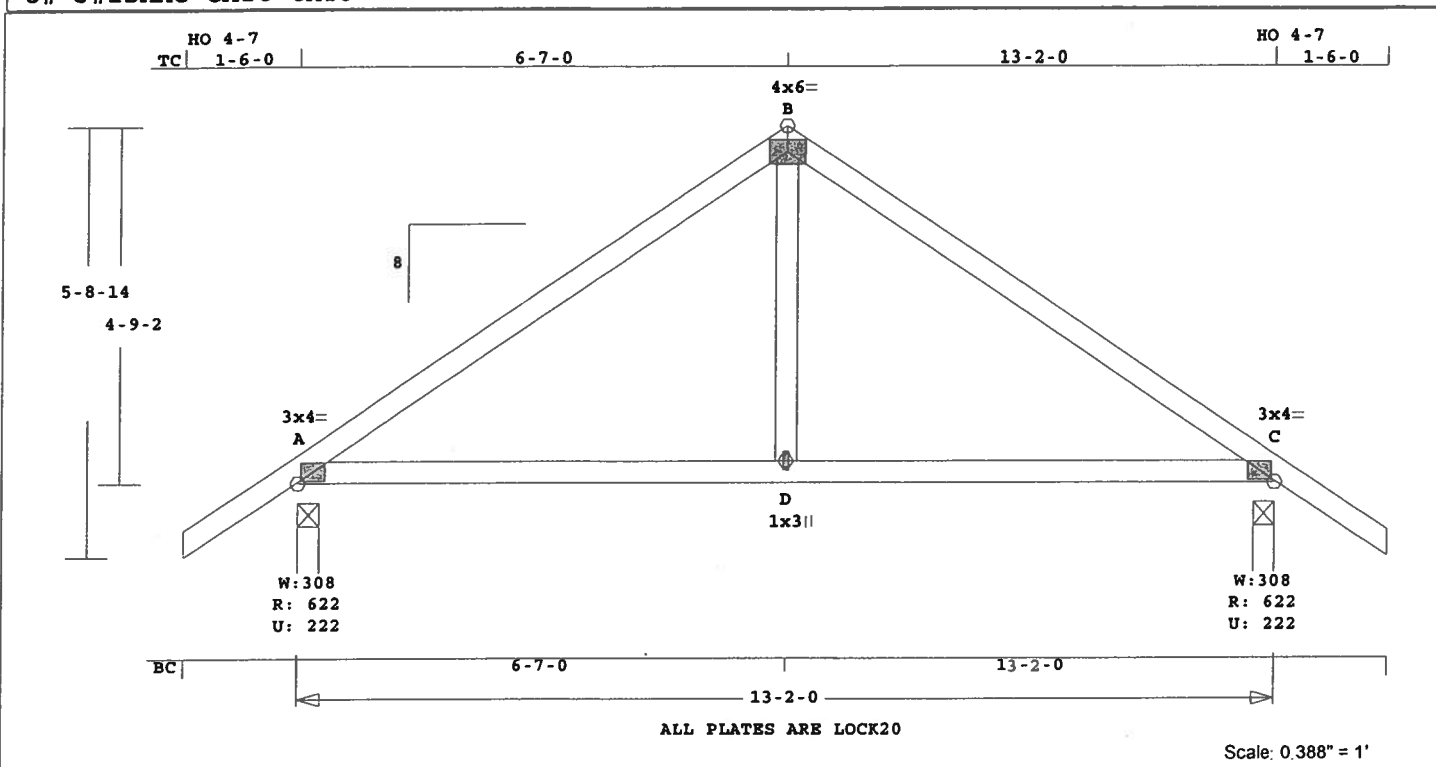
Max comp. force 855 Lbs

Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	E1	1	TR	130200	8	1- 6- 0	1- 6- 0	T06041877
U# J#ISAAC-CATO CATO								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 70.1 LBS

Online Plus -- Version 19.1.012
 RUN DATE: 18-APR-06

-----Bottom Chords-----
 A -D 0.32 443 T 0.07 0.25
 D -C 0.32 443 T 0.07 0.25

-----Webs-----
 D -B 0.04 299 T

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

TC	0.29	2x 4	SP-#2
BC	0.32	2x 4	SP-#2
WB	0.04	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	13- 2- 0
BC Cont.	0- 0- 0	13- 2- 0

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

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
A	LOCK	3.0x 4.0	Ctr	Ctr	0.62
B	LOCK	4.0x 6.0	Ctr	Ctr	0.44
C	LOCK	3.0x 4.0	Ctr	Ctr	0.62
D	LOCK	1.0x 3.0	Ctr	Ctr	0.75

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--
 0- 0- 0 13- 2- 0
 Max comp. force 528 Lbs
 Quality Control Factor 1.25

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	623	222	3- 8	1- 8
			Hz =	-87
C	623	222	3- 8	1- 8
			Hz =	88

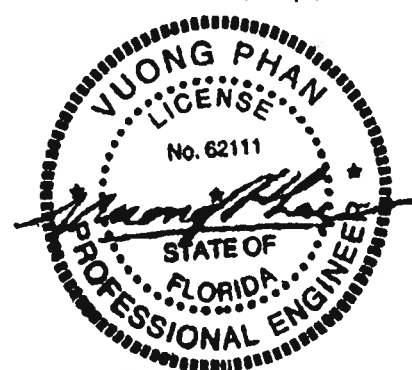
Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.29	528	C	0.00	0.29
B -C	0.29	528	C	0.00	0.29

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

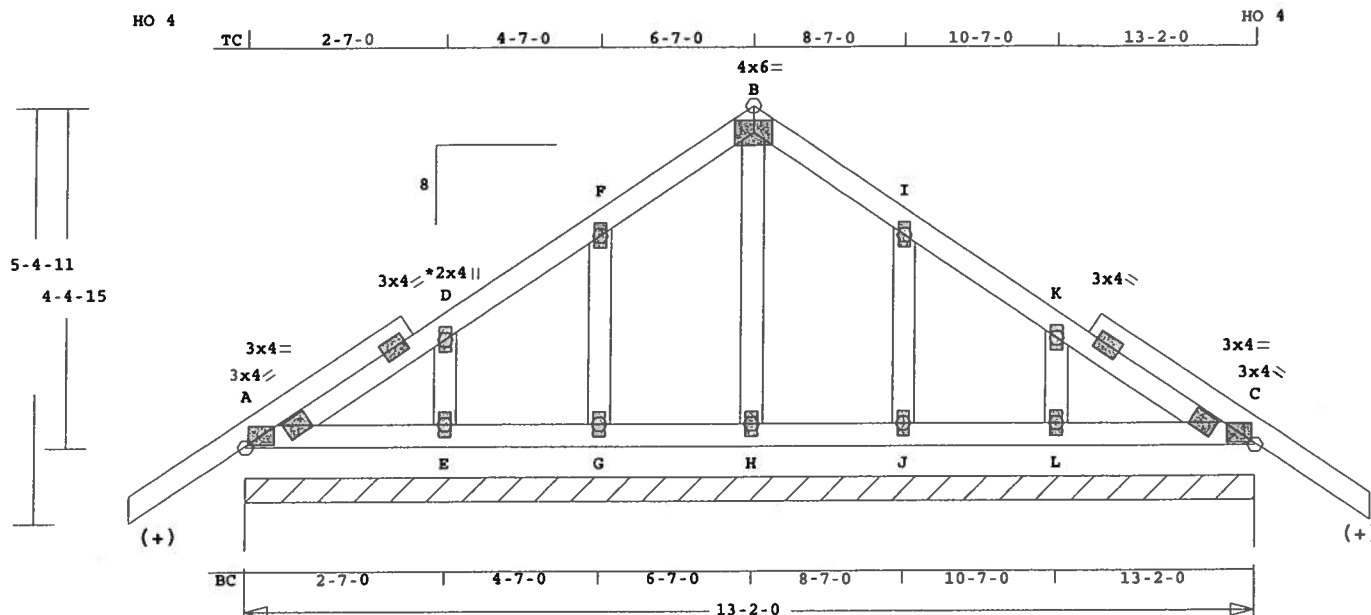
REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

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

Truss Design Engineer: Vuong Phan
 License #: 62111
 Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	E2	1	SP	130200	8	0	0	T06041877
U# J#ISAAC-CATO CATO								



ALL PLATES ARE LOCK20
See Joint D For Typical Gable Plate Size and Placement

Scale: 0.400" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 90.7 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

CSI -Size- ----Lumber-----
TC 0.04 2x 4 SP-#2
BC 0.03 2x 4 SP-#2
GW 0.01 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	13- 2- 0
BC Cont.	0- 0- 0	13- 2- 0

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

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

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
Cont. Brg	0- 0- 0	0 to 13- 2- 0		
	1053	140	Hz =	81

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -D	0.04		55 C	0.00	0.04
D -F	0.04		70 C	0.00	0.04
F -B	0.03		72 C	0.00	0.03
B -I	0.03		72 C	0.00	0.03
I -K	0.04		70 C	0.00	0.04
K -C	0.04		55 C	0.00	0.04
-----Bottom Chords-----					
A -E	0.03		5 T	0.00	0.03
E -G	0.02		0 T	0.00	0.02
G -H	0.02		0 T	0.00	0.02

H -J	0.02	0 T	0.00	0.02	
J -L	0.02	0 T	0.00	0.02	
L -C	0.03	5 T	0.00	0.03	
-----Gable Webs-----					
E -D	0.01	144 C			
G -F	0.01	120 C			
H -B	0.00	37 C			
J -I	0.01	120 C			
L -K	0.01	144 C			

TL Defl	0.00"	in L -C	L/999
LL Defl	0.00" <td>in L -C <td>L/999</td> </td>	in L -C <td>L/999</td>	L/999
Shear // Grain		in A -D	0.08

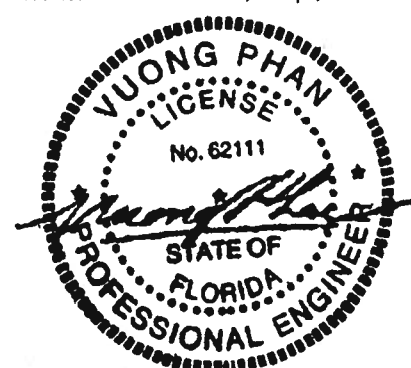
Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr Ctr 0.62
D LOCK 2.0x 4.0 Ctr Ctr 0.00
F LOCK 2.0x 4.0 Ctr Ctr 0.00
B LOCK 4.0x 6.0 Ctr Ctr 0.44
I LOCK 2.0x 4.0 Ctr Ctr 0.00
K LOCK 2.0x 4.0 Ctr Ctr 0.00
C LOCK 3.0x 4.0 Ctr Ctr 0.62
E LOCK 2.0x 4.0 Ctr Ctr 0.00
G 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

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

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

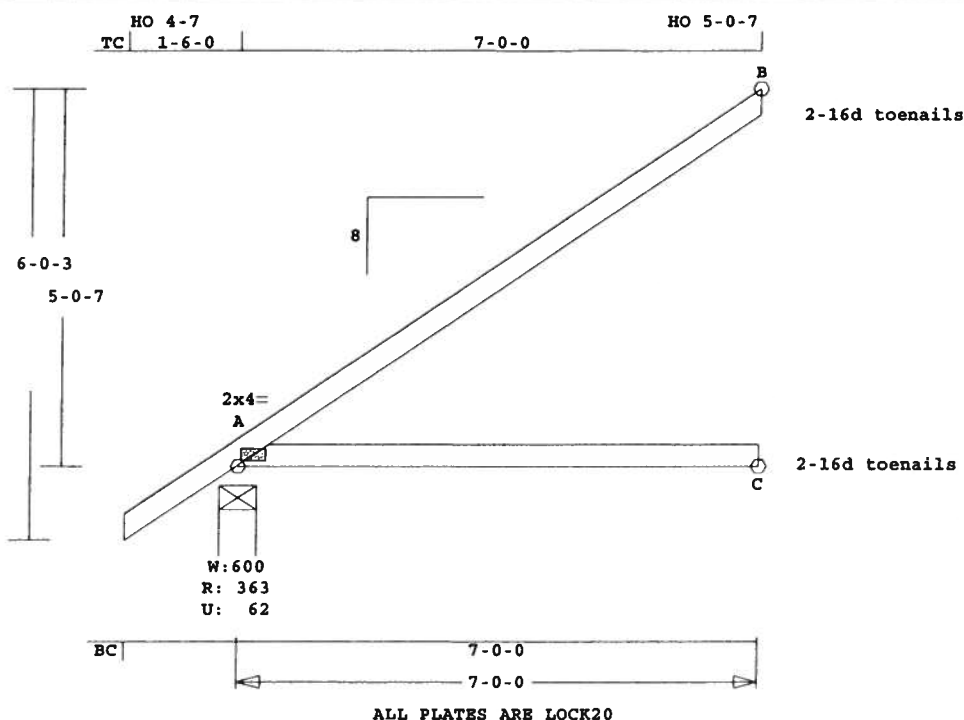
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
WARNING Do Not Cut overframe
member between outside of
truss and first tie-plate
to inside of heel plate.
Design checked for 10 psf non-
concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 144 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	J1	39	JCA2	70000	8	1- 6- 0	0	T06041877

U# J#ISAAC-CATO CATO



Scale: 0.389" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 32.9 LBS

A -C 0.37 0 T 0.00 0.37

concurrent LL on BC.

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

TL Defl -0.20" in A -C L/401
LL Defl -0.08" in A -C L/999
Shear // Grain in A -B 0.23

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 72 Lbs

Quality Control Factor 1.25

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

TC 0.50 2x 4 SP-#2

BC 0.37 2x 4 SP-#2

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

REPORT: NER 691

ROBBINS ENGINEERING, INC.

BASED ON SP LUMBER

USING GROSS AREA TEST.

Plate - LOCK 20 Ga, Gross Area

Plate - RHS 20 Ga, Gross Area

Jt Type Plt Size X Y JSI

A LOCK 2.0x 4.0 Ctr Ctr 0.64

Brace truss as follows:

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

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

Spacing 24.0"

Lumber Duration Factor 1.25

Plate Duration Factor 1.25

TC Fb=1.15 Fc=1.10 Ft=1.10

BC Fb=1.10 Fc=1.10 Ft=1.10

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-

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	363	63	6- 0	1- 8
---	-----	----	------	------

			Hz =	141
--	--	--	------	-----

C	129	0	1- 8	1- 8
---	-----	---	------	------

B	183	97	1- 8	1- 8
---	-----	----	------	------

			Hz =	96
--	--	--	------	----

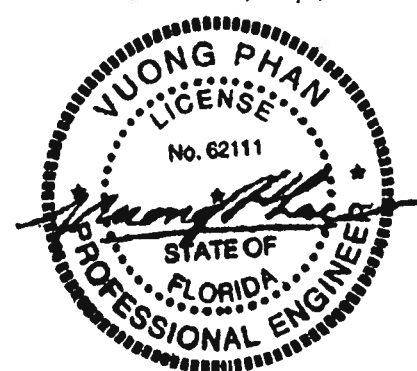
Membr	CSI	P	Lbs	Axl	CSI-Bnd
-------	-----	---	-----	-----	---------

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

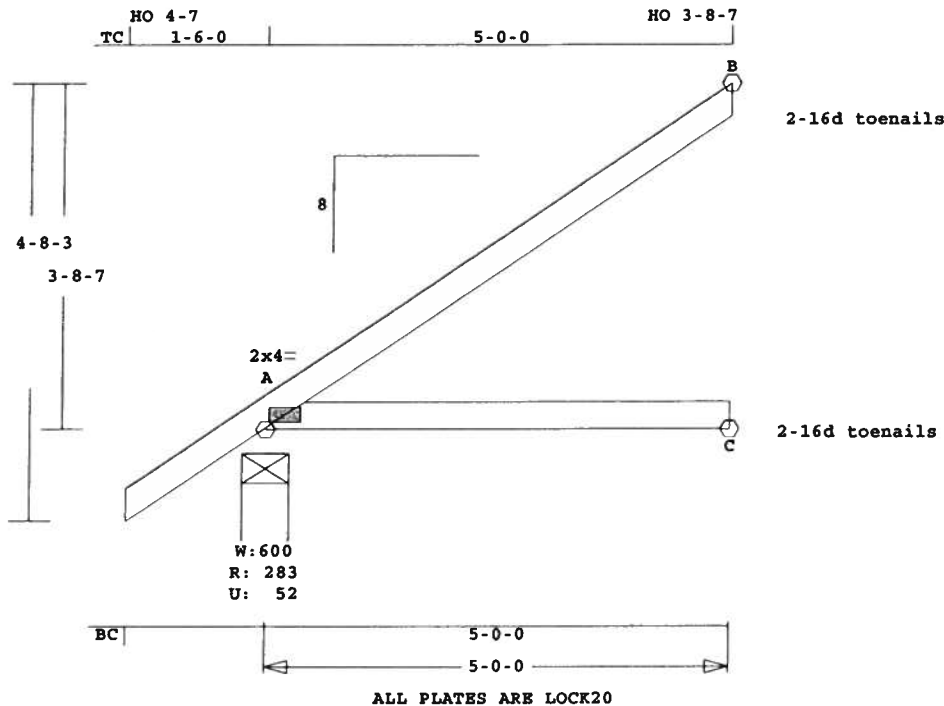
A -B	0.50		72 C	0.00	0.50
------	------	--	------	------	------

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

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	J2	8	JCA2	50000	8	1- 6- 0	0	T06041877
U# J#ISAAC-CATO CATO								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 24.6 LBS

A - C 0.18 0 T 0.00 0.18

concurrent LL on BC.

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

TL Defl -0.05" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 0.15

Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph

CSI -Size- ----Lumber----
TC 0.25 2x 4 SP-#2
BC 0.18 2x 4 SP-#2

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

Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00

Brace truss as follows:

ROBBINS ENGINEERING, INC.

TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 50 Lbs
Quality Control Factor 1.25

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

BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.60

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

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

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	284	53	6- 0	1- 8
			Hz =	100
C	91	0	1- 8	1- 8
B	129	69	1- 8	1- 8
			Hz =	68

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

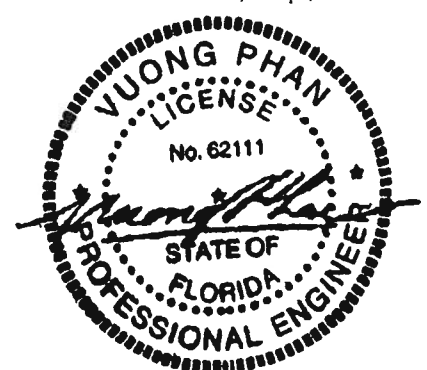
NOTES:

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

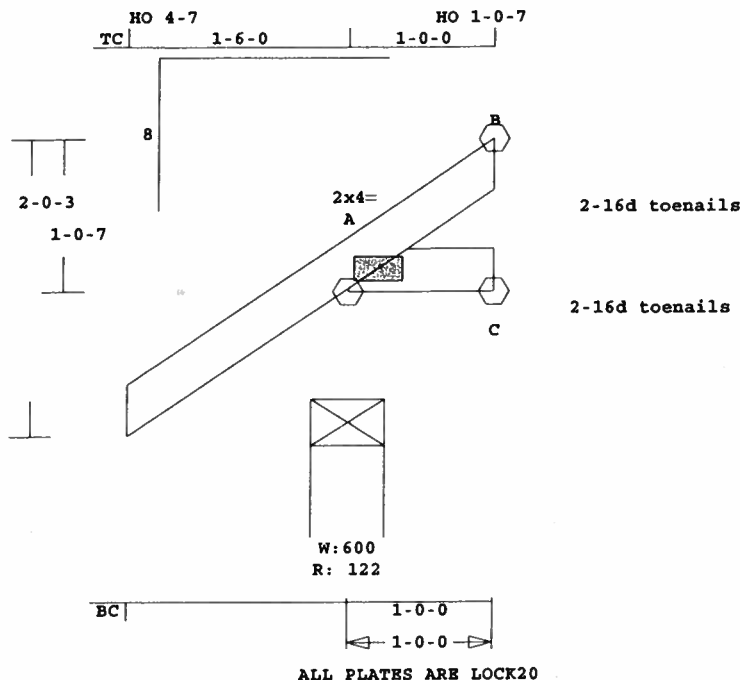
Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.25	50 C	0.00	0.25	
-----Bottom Chords-----					

FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	J4	10	JCA2	10000	8	1- 6- 0	0	T06041877
U# J#ISAAC-CATO CATO								



Scale: 0.763" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 7.9 LBS
A -C 0.00 13 T

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

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

Brace truss as follows:

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

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

Plus 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	122	0	3- 8	1- 8
			Hz =	19
B	27	16	1- 8	1- 8
C	14	0	1- 8	1- 8
			Hz =	13

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----
A -B 0.00 11 C
-----Bottom Chords-----

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 2.0x 4.0 Ctr Ctr 0.59

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

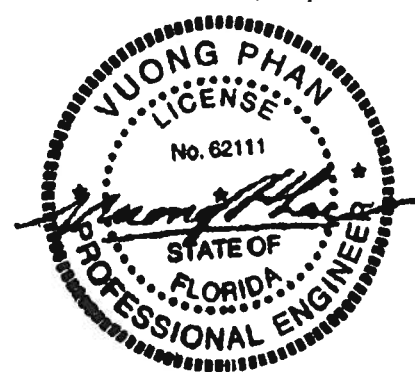
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

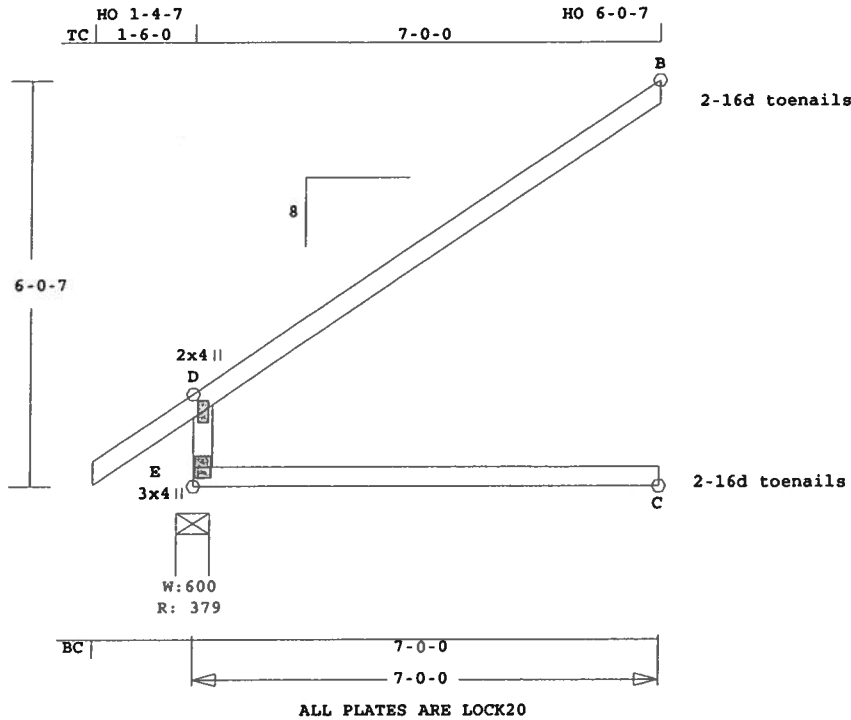
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-

concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 11 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	J5	3	JCA2	70000	8	1- 6- 0	0	T06041877
U# J#ISAAC-CATO CATO								



Scale: 0 3/4" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 34.6 LBS

Online Plus -- Version 19.1.012
 RUN DATE: 18-APR-06

CSI -Size- ----Lumber-----
 TC 0.53 2x 4 SP-#2
 BC 0.33 2x 4 SP-#2
 WB 0.32 2x 4 SP-#2

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 7- 0- 0
 BC Cont. 0- 0- 0 7- 0- 0

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

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

Jt React Uplft Size Req'd
 Lbs Lbs In-Sx In-Sx
 E 379 0 6- 0 1- 8
 Hz = 165
 C 131 0 1- 8 1- 8
 Hz = 114
 B 187 112 1- 8 1- 8

Membr CSI P Lbs Axl-CSI-Bnd
 -----Top Chords-----
 D -B 0.53 81 C 0.00 0.53

TL Defl -0.20" in E -C L/390
 LL Defl -0.09" in E -C L/921
 Shear // Grain in D -B 0.23

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
 D LOCK 2.0x 4.0 Ctr Ctr 0.38
 E LOCK 3.0x 4.0 Ctr Ctr 0.38

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

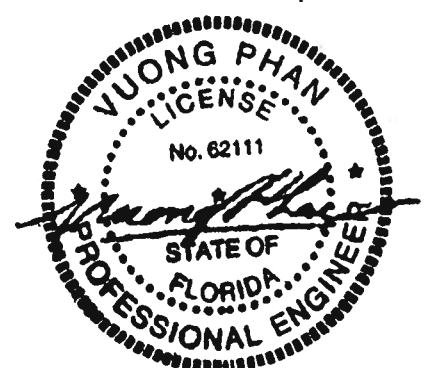
REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

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

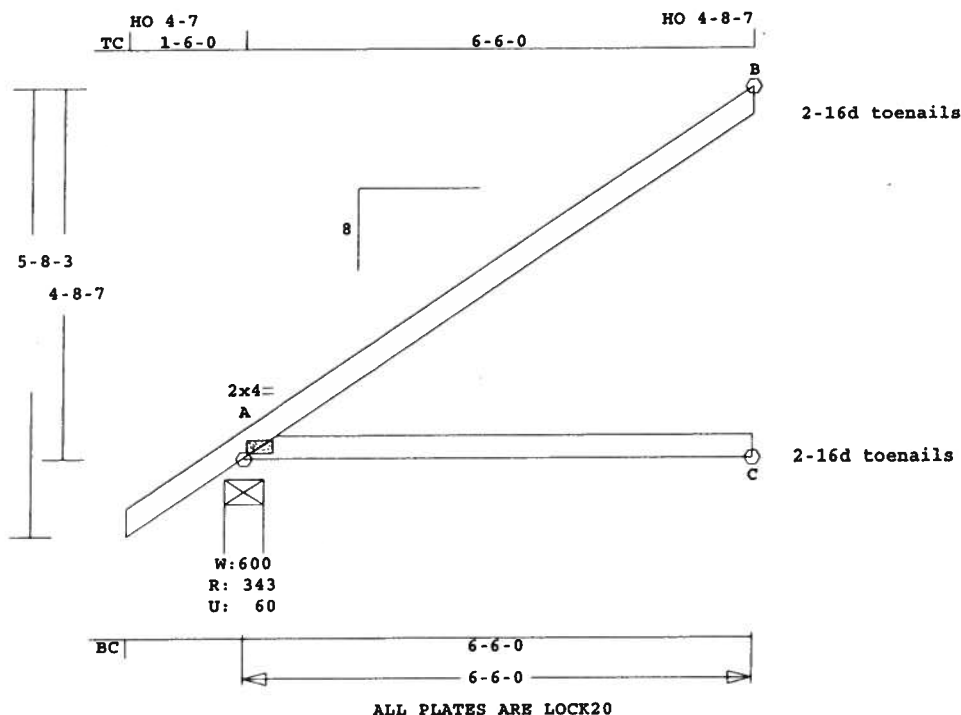
NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:

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 228 Lbs
 Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
 License #: 62111
 Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	J6	1	JCA2	60600	8	1- 6- 0	0	T06041877
U# J#ISAAC-CATO CATO								



Scale: 0.409" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 30.8 LBS
A -C 0.32 0 T 0.00 0.32

Online Plus -- Version 19.1.012 TL Defl -0.15" in A -C L/504
RUN DATE: 18-APR-06 LL Defl -0.06" in A -C L/999
Shear // Grain in A -B 0.21

CSI -Size- ---Lumber---
TC 0.43 2x 4 SP-#2
BC 0.32 2x 4 SP-#2

Brace truss as follows:

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

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

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.63

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-

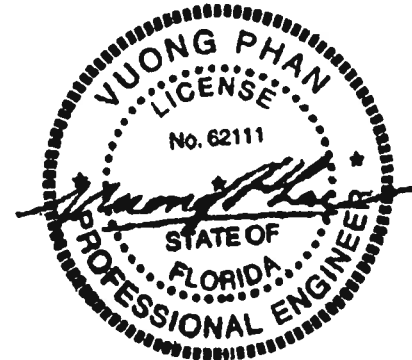
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 66 Lbs
Quality Control Factor 1.25

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

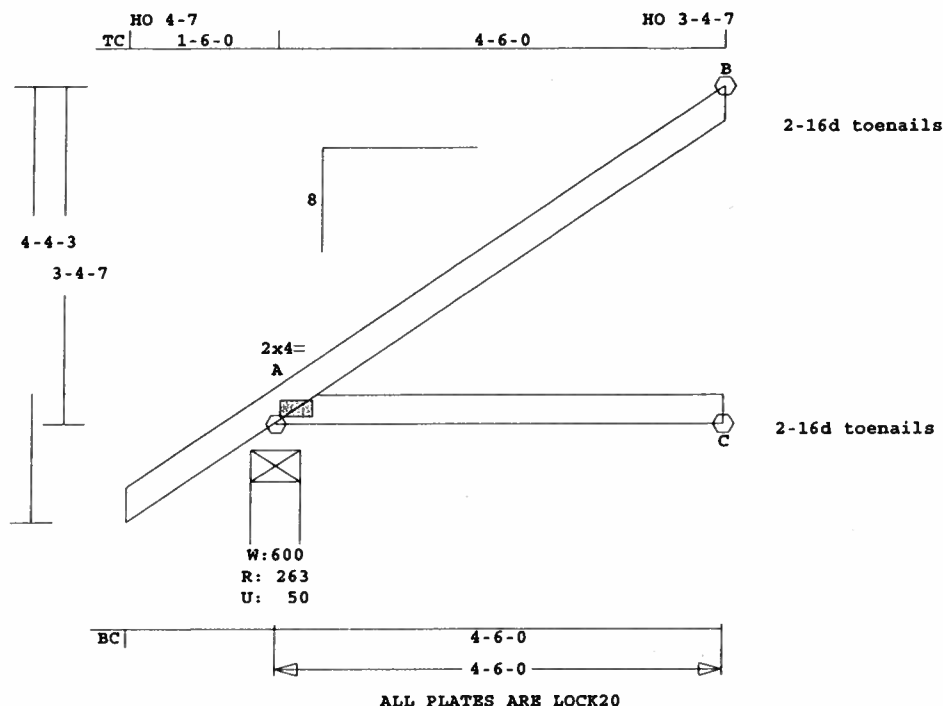
Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	343	60	6- 0	1- 8
			Hz =	130
C	120	0	1- 8	1- 8
B	169	90	1- 8	1- 8
			Hz =	89

Membr CSI P Lbs Axl-Csi-Bnd
-----Top Chords-----
A -B 0.43 66 C 0.00 0.43
-----Bottom Chords-----

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	J7	1	JCA2	40600	8	1- 6- 0	0	T06041877
U# J#ISAAC-CATO CATO								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 22.5 LBS

A -C 0.14 0 T 0.00 0.14 concurrent LL on BC.

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

TL Defl -0.03" in A -C L/999
LL Defl -0.01" in A -C L/999
Shear // Grain in A -B 0.14

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

CSI -Size- ----Lumber----
TC 0.20 2x 4 SP-#2
BC 0.14 2x 4 SP-#2

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

Wind Speed: 110 mph
Mean Roof Height: 15-0

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	4- 6- 0
BC Cont.	0- 0- 0	4- 6- 0

ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER

Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior

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

USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.59

TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 45 Lbs
Quality Control Factor 1.25

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

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

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	264	50	6- 0	1- 8
			Hz =	90
C	82	0	1- 8	1- 8
B	115	62	1- 8	1- 8
			Hz =	61

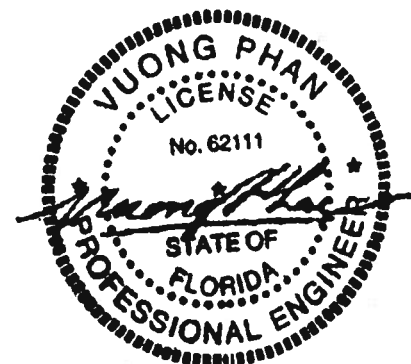
For proper installation of
toe-nails, refer to the 2001
National Design Specification
(NDS) for Wood Construction

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

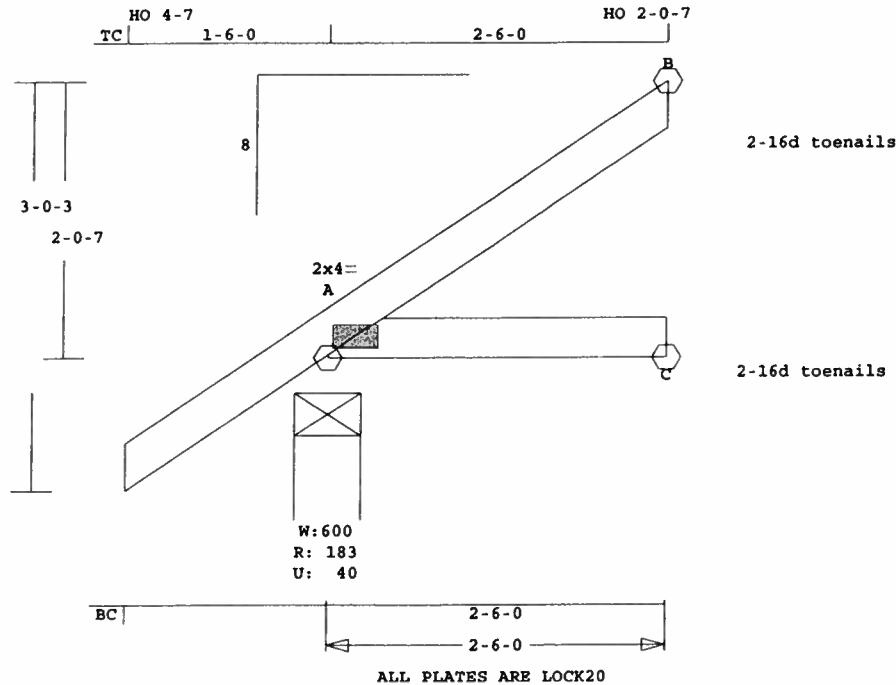
Membr CSI P Lbs Axl-CSI-Bnd
-----Top Chords-----
A -B 0.20 45 C 0.00 0.20
-----Bottom Chords-----

OH Loading
Soffit psf 2.0
Design checked for 10 psf non-

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	J8	1	JCA2	20600	8	1- 6- 0	0	T06041877
U# J#ISAAC-CATO CATO								



Scale: 0.702" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 14.2 LBS

A -C 0.04 0 T 0.00 0.04

concurrent LL on BC.

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.06

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 24 Lbs
Quality Control Factor 1.25

CSI -Size- ----Lumber----
TC 0.05 2x 4 SP-#2
BC 0.04 2x 4 SP-#2

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 2.0x 4.0 Ctr Ctr 0.59

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	2- 6- 0
BC Cont.	0- 0- 0	2- 6- 0

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

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

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

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	184	40	6- 0	1- 8
			Hz =	49
C	43	0	1- 8	1- 8
B	61	33	1- 8	1- 8
			Hz =	33

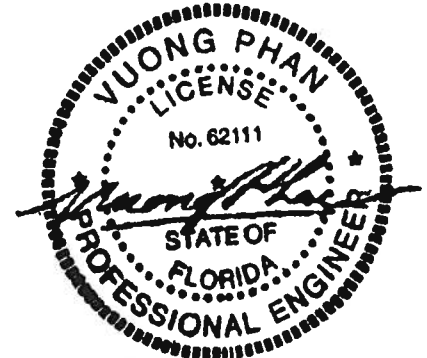
Membr CSI P Lbs Ax1-Csi-Bnd
-----Top Chords-----
A -B 0.05 24 C 0.00 0.05
-----Bottom Chords-----

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

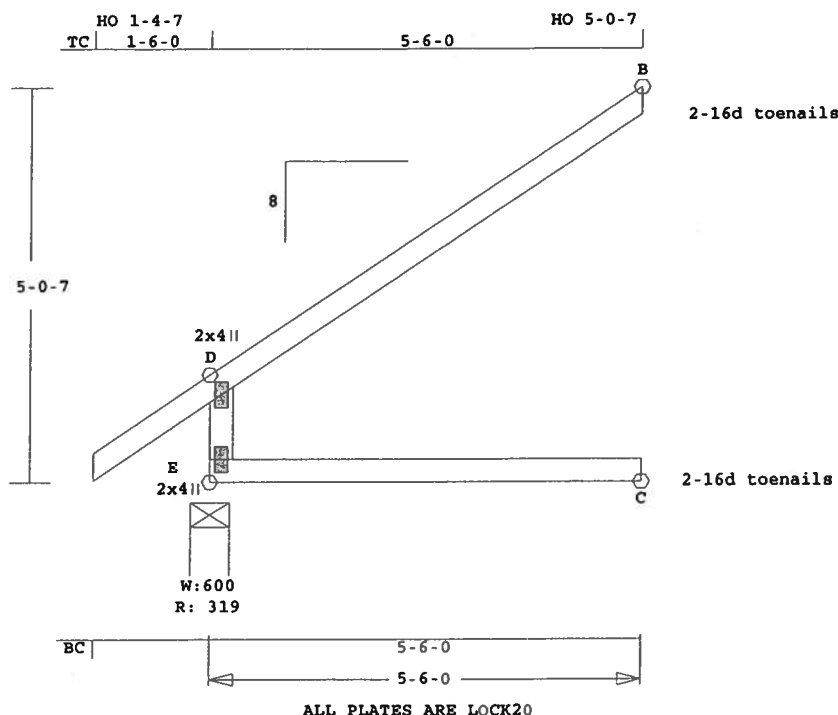
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:

FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	J9	1	JCA2	50600	8	1- 6- 0	0	T06041877
U# J#ISAAC-CATO CATO								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 28.4 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

	CSI	-Size-	---Lumber---
TC	0.32	2x 4	SP-#2
BC	0.20	2x 4	SP-#2
WB	0.22	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	5- 6- 0	
BC Cont.	0- 0- 0	5- 6- 0	

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

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

Jt	React	Uplft	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
E	319	0	6- 0	1- 8
			Hz =	134
C	102	0	1- 8	1- 8
			Hz =	93
B	147	91	1- 8	1- 8

Membr	CSI	P	Lbs	Axl	CSI-Bnd
D -B	0.32	65	C	0.00	0.32

-----Bottom Chords-----
E -C 0.20 93 T 0.00 0.20
-----Webs-----
E -D 0.22 179 C 0.00 0.22
TL Defl -0.08" in E -C L/816
LL Defl -0.03" in E -C L/999
Shear // Grain in D -B 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
D LOCK 2.0x 4.0 Ctr Ctr 0.38
E 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.

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

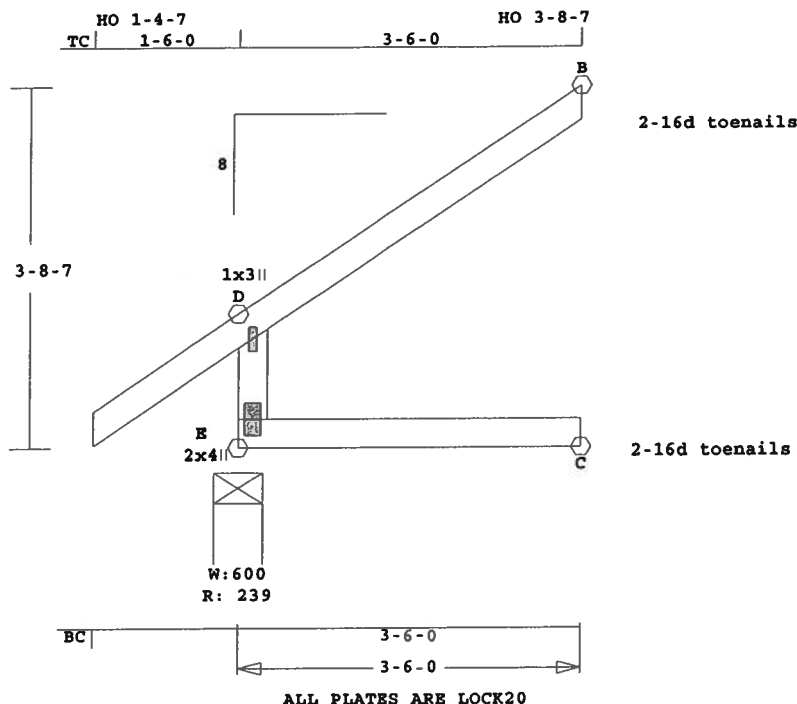
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:

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 179 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	J10	1	JCA2	30600	8	1- 6- 0	0	T06041877
U# J#ISAAC-CATO CATO								



Scale: 0.505" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 20.1 LBS

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

E -C 0.10 65 T 0.00 0.10

-----Webs-----

E -D 0.11 114 C 0.00 0.11

Online Plus -- Version 19.1.012

RUN DATE: 18-APR-06

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

TC	0.12	2x 4	SP-#2
BC	0.10	2x 4	SP-#2
WB	0.11	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	3- 6- 0
BC Cont.	0- 0- 0	3- 6- 0

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

TL Defl -0.01" in E -C L/999
LL Defl 0.00" in E -C L/999
Shear // Grain in D -B 0.11

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
D LOCK 1.0x 3.0 Ctr Ctr 0.75
E 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.

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:

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
E	240	0	6- 0	1- 8
			Hz =	93
C	64	5	1- 8	1- 8
			Hz =	66
B	92	63	1- 8	1- 8

Membr CSI P Lbs Axl-Csi-Bnd

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

D -B 0.12 43 C 0.00 0.12

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

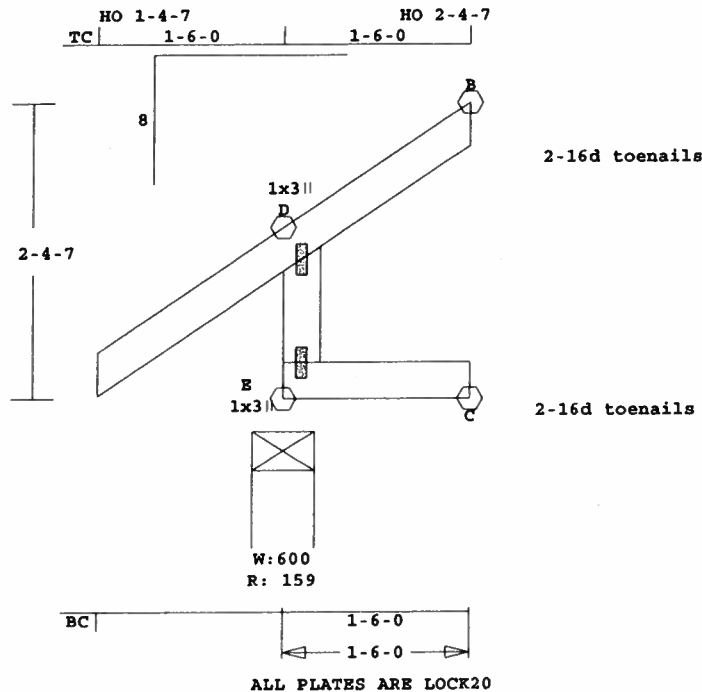
Max comp. force 114 Lbs

Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	J11	1	JCA2	10600	8	1- 6- 0	0	T06041877
U# J#ISAAC-CATO CATO								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 11.8 LBS

Online Plus -- Version 19.1.012
 RUN DATE: 18-APR-06

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

Brace truss as follows:
 O.C. From To
 TC Cont. 0- 0- 0 1- 6- 0
 BC Cont. 0- 0- 0 1- 6- 0

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

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

Jt React Uplft Size Req'd
 Lbs Lbs In-Sx In-Sx
 E 160 0 6- 0 1- 8
 Hz = 52
 C 25 14 1- 8 1- 8
 Hz = 38
 B 37 36 1- 8 1- 8

Membr CSI P Lbs Axl-CSt-Bnd
 -----Top Chords-----
 D -B 0.02 23 C 0.00 0.02

TL Defl 0.00" in E -C L/999
 LL Defl 0.00" in E -C L/999
 Shear // Grain in D -B 0.04

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
 D LOCK 1.0x 3.0 Ctr Ctr 0.75
 E LOCK 1.0x 3.0 Ctr Ctr 0.75

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

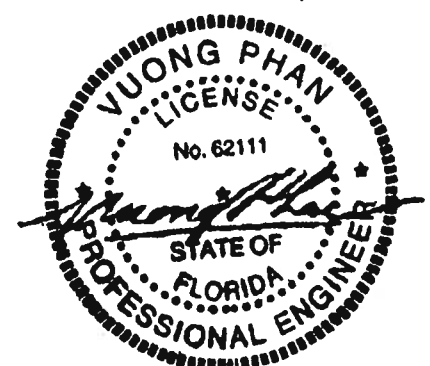
REFER TO ROBBINS ENG. GENERAL
 NOTES AND SYMBOLS SHEET FOR
 ADDITIONAL SPECIFICATIONS.

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

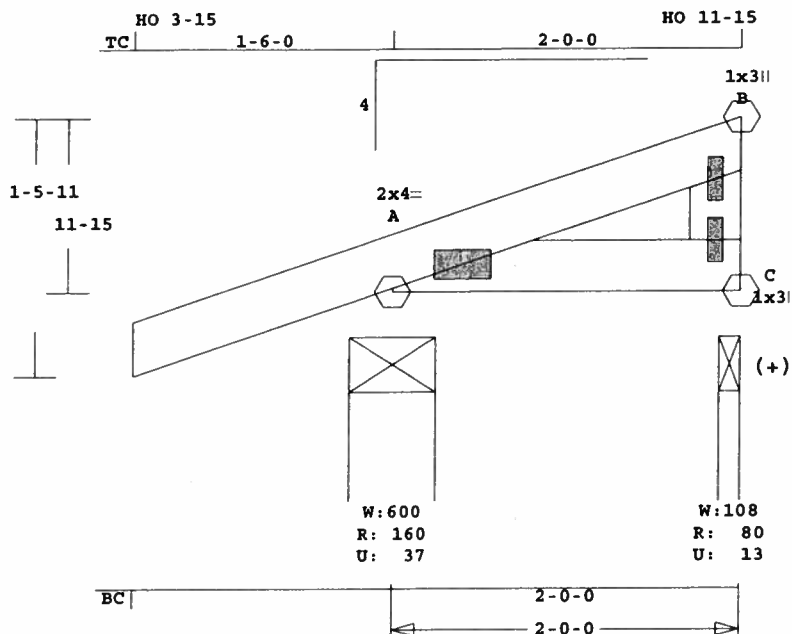
NOTES:
 Trusses Manufactured by:
 Mayo Truss Co. Inc.
 Analysis Conforms To:

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 49 Lbs
 Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
 License #: 62111
 Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	M1	4	JCA2	20000	4	1- 6- 0	0	T06041877
U# J#ISAAC-CATO CATO								



(+) Provide connection to prevent truss from sliding off bearing.

ALL PLATES ARE LOCK20

Scale: 0.905" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 11.7 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

CSI -Size- ----Lumber----
TC 0.02 2x 4 SP-#2
BC 0.02 2x 4 SP-#2
WB 0.00 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	2- 0- 0
BC Cont.	0- 0- 0	2- 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	160	37	6- 0	1- 8
C	80	13	1- 8	1- 8
			Hz =	20

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.02		8 C	0.00	0.02
-----Bottom Chords-----					
A -C	0.02		15 T	0.00	0.02

-----Webs-----
C -B 0.00 52 C WindLd
TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.05

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

Plate	LOCK	20 Ga, Gross Area
Jt Type	Plt Size	X Y JSI
A	LOCK	2.0x 4.0 Ctr Ctr 0.73
B	LOCK	1.0x 3.0 Ctr Ctr 0.75
C	LOCK	1.0x 3.0 Ctr Ctr 0.75

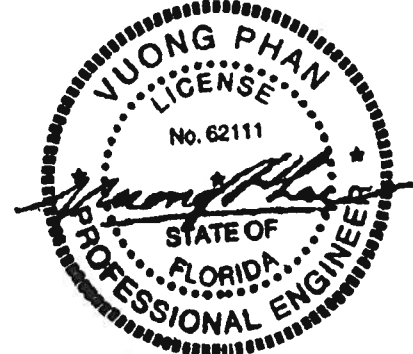
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

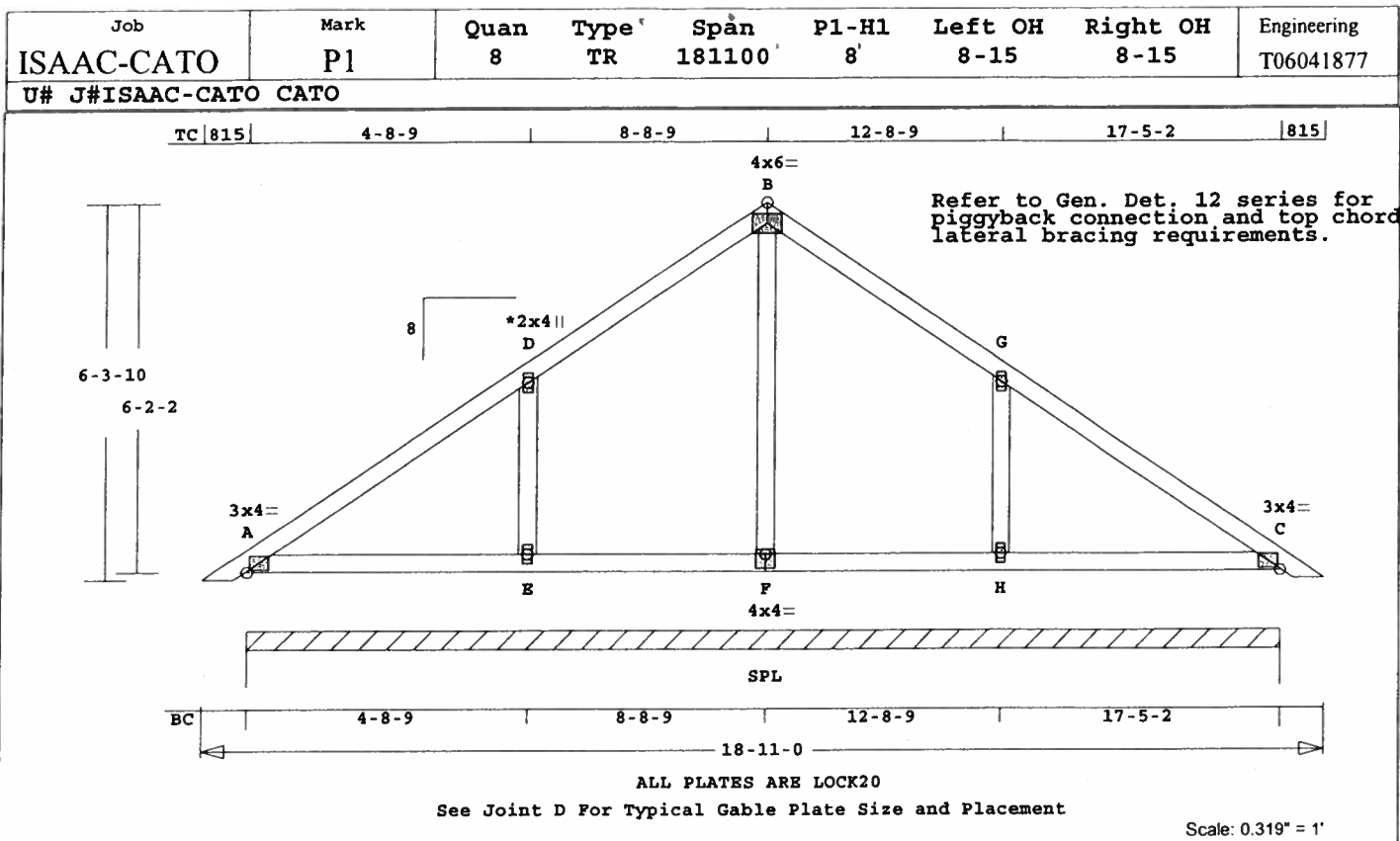
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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 52 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682





Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 97.5 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

CSI	-Size-	-----Lumber-----
TC	0.20	2x 4 SP-#2
BC	0.12	2x 4 SP-#2
GW	0.04	2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	18-11- 0
BC Cont.	0- 0- 0	18-11- 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 17- 5- 2		
	1490	202	Hz =	122

Membr	CSI	P	Lbs	Ax1-CSI-Bnd
-----Top Chords-----				
A -D	0.20		158 C	0.00 0.20
D -B	0.20		180 C	0.00 0.20
B -G	0.20		180 C	0.00 0.20
G -C	0.20		158 C	0.00 0.20
-----Bottom Chords-----				
A -E	0.12		1 T	0.00 0.12
E -F	0.12		0 T	0.00 0.12
F -H	0.12		0 T	0.00 0.12
H -C	0.12		1 T	0.00 0.12

-----Gable Webs-----
E -D 0.04 286 C
F -B 0.02 51 T
H -G 0.04 286 C

TL Defl -0.02" in A -E L/999
LL Defl -0.01" in A -E L/999
Shear // Grain in A -D 0.16

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

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

Plate	- LOCK 20 Ga, Gross Area
Plate - RHS	20 Ga, Gross Area
Jt Type	Plt Size X Y JSI
A	LOCK 3.0x 4.0 Ctr Ctr 0.69
D	LOCK 2.0x 4.0 Ctr Ctr 0.00
B	LOCK 4.0x 6.0 Ctr Ctr 0.49
G	LOCK 2.0x 4.0 Ctr Ctr 0.00
C	LOCK 3.0x 4.0 Ctr Ctr 0.69
E	LOCK 2.0x 4.0 Ctr Ctr 0.00
F	LOCK 4.0x 4.0 Ctr-1.0 0.54
H	LOCK 2.0x 4.0 Ctr Ctr 0.00

REVIEWED BY:

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

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

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:
FBC2004

OH Loading

Soffit psf 2.0

Design checked for 10 psf non-

concurrent LL on BC.

Refer to Gen Det 3 series for
web bracing and plating.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as 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

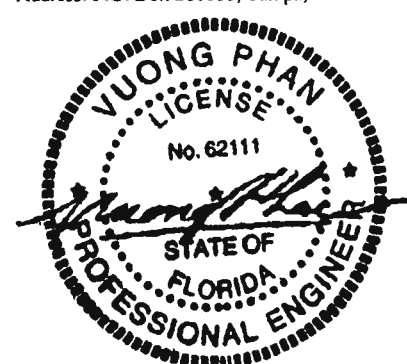
TC Dead Load : 5.0 psf

BC Dead Load : 5.0 psf

Max comp. force 286 Lbs

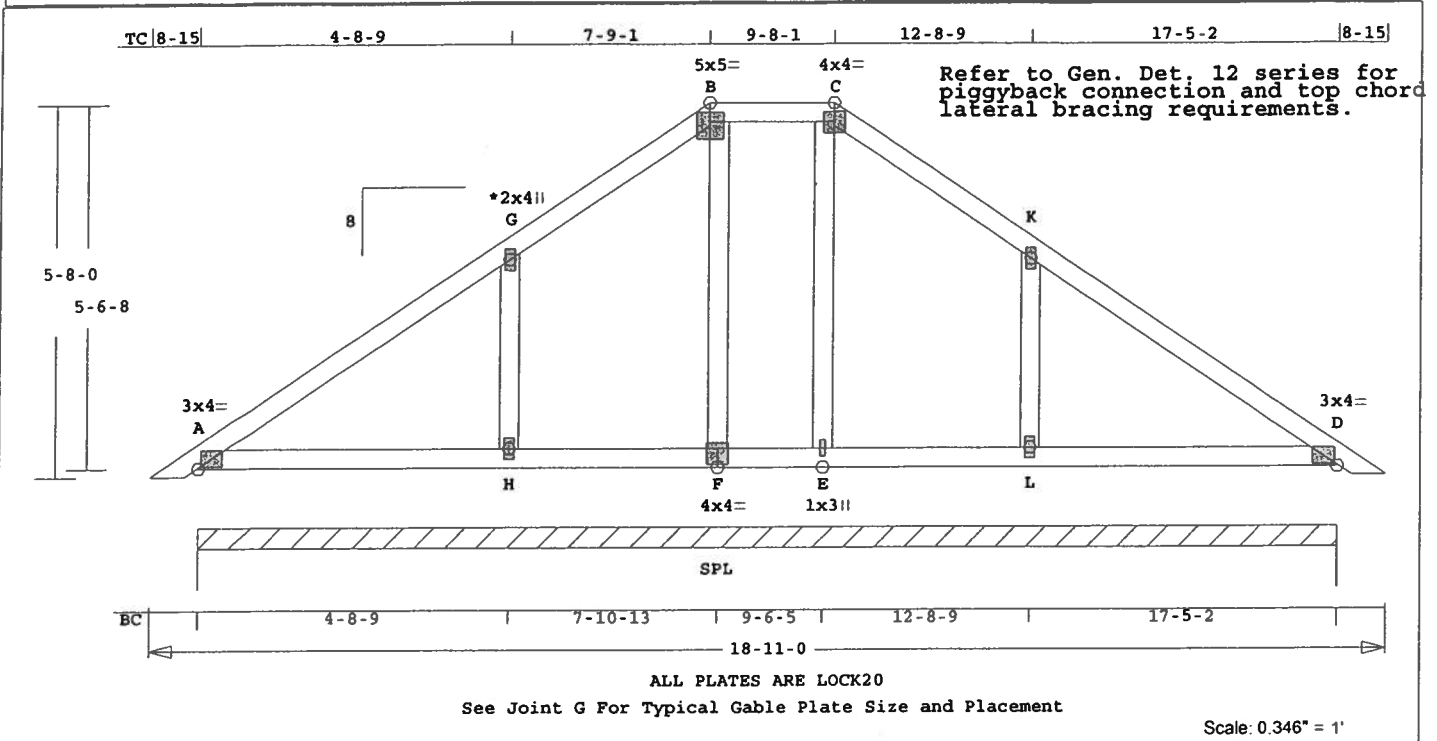
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License # 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	P2	1	HIPP	181100	8	8-15	8-15	T06041877

U# J#ISAAC-CATO CATO



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 105.1 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

TC	BC	WB	GW	Size	Lumber
0.17	0.11	0.00	0.04	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	18-11- 0
BC Cont.	0- 0- 0	18-11- 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	0 to 17-	5- 2	
	1489	202	Hx =	109

Membr	CSI	P Lbs	Axl	CSI-Bnd
-----Top Chords-----				
A -G	0.17	171 C	0.00	0.17
G -B	0.17	197 C	0.00	0.17
B -C	0.01	149 C	0.00	0.01
C -K	0.17	197 C	0.00	0.17
K -D	0.17	171 C	0.00	0.17
-----Bottom Chords-----				
A -H	0.11	1 T	0.00	0.11
H -F	0.11	0 T	0.00	0.11
F -E	0.02	0 T	0.00	0.02

E -L	0.11	0 T	0.00	0.11
L -D	0.11	1 T	0.00	0.11
-----Webs-----				
F -B	0.00	24 T		
E -C	0.00	24 T		
-----Gable Webs-----				
H -G	0.04	264 C		
L -K	0.04	264 C		
TL Defl	-0.02"	in A -H	L/999	
LL Defl	-0.01"	in A -H	L/999	
Shear //	Grain	in A -G	0.15	

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 0.69
G LOCK 2.0x 4.0 Ctr Ctr 0.00
B LOCK 5.0x 5.0 Ctr-0.7 0.88
C LOCK 4.0x 4.0 Ctr Ctr 0.81
K LOCK 2.0x 4.0 Ctr Ctr 0.00
D LOCK 3.0x 4.0 Ctr Ctr 0.69
H LOCK 2.0x 4.0 Ctr Ctr 0.00
F LOCK 4.0x 4.0 Ctr-1.0 0.54
E LOCK 1.0x 3.0 Ctr Ctr 0.81
L LOCK 2.0x 4.0 Ctr Ctr 0.00

REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

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

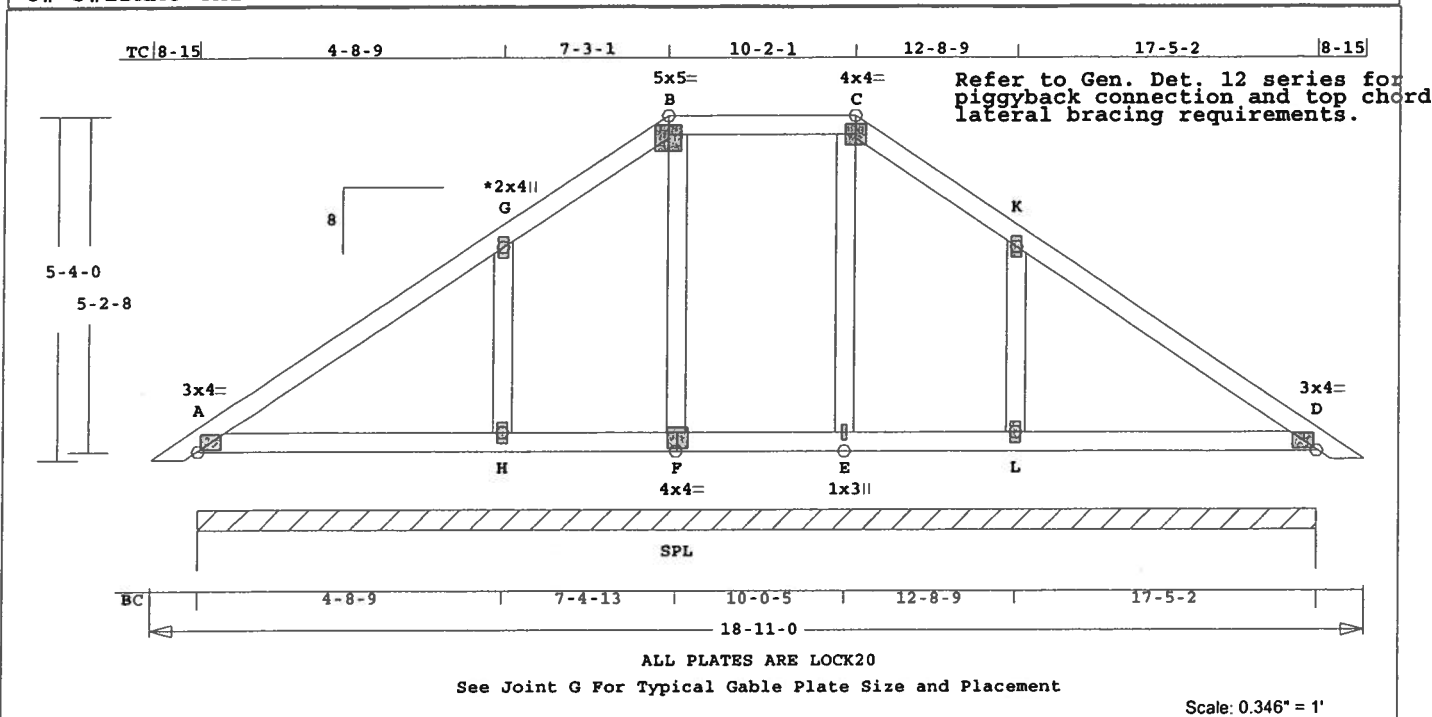
Refer to Gen. Det. 12 series for
piggyback connection and top chord
lateral bracing requirements.

Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-
concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as 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 264 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	P3	1	HIPP	181100	8	8-15	8-15	T06041877
U# J#ISAAC-CATO CATO								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 103.4 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

CSI -Size-	Lumber----
TC 0.16 2x 4	SP-#2
BC 0.10 2x 4	SP-#2
WB 0.01 2x 4	SP-#2
GW 0.03 2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	18-11- 0
BC Cont.	0- 0- 0	18-11- 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	to 17- 5- 2		
	1490	202	Hz =	102

Membr	CSI	P	Lbs	Ax1-CSI-Bnd
-----Top Chords-----				
A -G	0.16	167	C	0.00 0.16
G -B	0.16	193	C	0.00 0.16
B -C	0.06	145	C	0.00 0.06
C -K	0.16	193	C	0.00 0.16
K -D	0.16	167	C	0.00 0.16
-----Bottom Chords-----				
A -H	0.10	1	T	0.00 0.10
H -F	0.10	0	T	0.00 0.10
F -E	0.02	0	T	0.00 0.02

E -L	0.10	0	T	0.00 0.10
L -D	0.10	1	T	0.00 0.10

-----Webs-----

F -B	0.01	37	C
E -C	0.01	37	C

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

H -G	0.03	249	C
L -K	0.03	249	C

TL Defl	-0.02"	in A -H	L/999
LL Defl	-0.01"	in A -H	L/999
Shear // Grain	in A -G	0.15	

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 4.0	Ctr	Ctr 0.69
G LOCK	2.0x 4.0	Ctr	Ctr 0.00
B LOCK	5.0x 5.0	Ctr	0.7 0.88
C LOCK	4.0x 4.0	Ctr	Ctr 0.81
K LOCK	2.0x 4.0	Ctr	Ctr 0.00
D LOCK	3.0x 4.0	Ctr	Ctr 0.69
H LOCK	2.0x 4.0	Ctr	Ctr 0.00
F LOCK	4.0x 4.0	Ctr	1.0 0.54
E LOCK	1.0x 3.0	Ctr	Ctr 0.81
L LOCK	2.0x 4.0	Ctr	Ctr 0.00

REVIEWED BY:

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

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

NOTES:

Trusses Manufactured by:
Mayo Truss Co. Inc.

Analysis Conforms To:
FBC2004

OH Loading

Soffit psf 2.0

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

Refer to Gen Det 3 series for web bracing and plating.

Wind Loads - ANSI / ASCE 7-02

Truss is designed as 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

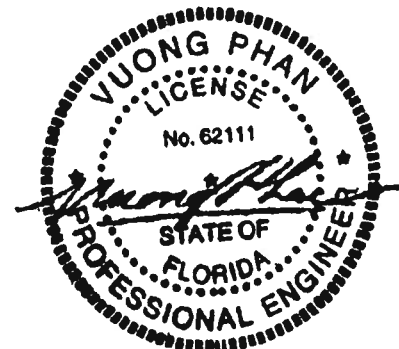
TC Dead Load: 5.0 psf

BC Dead Load: 5.0 psf

Max comp. force 249 Lbs

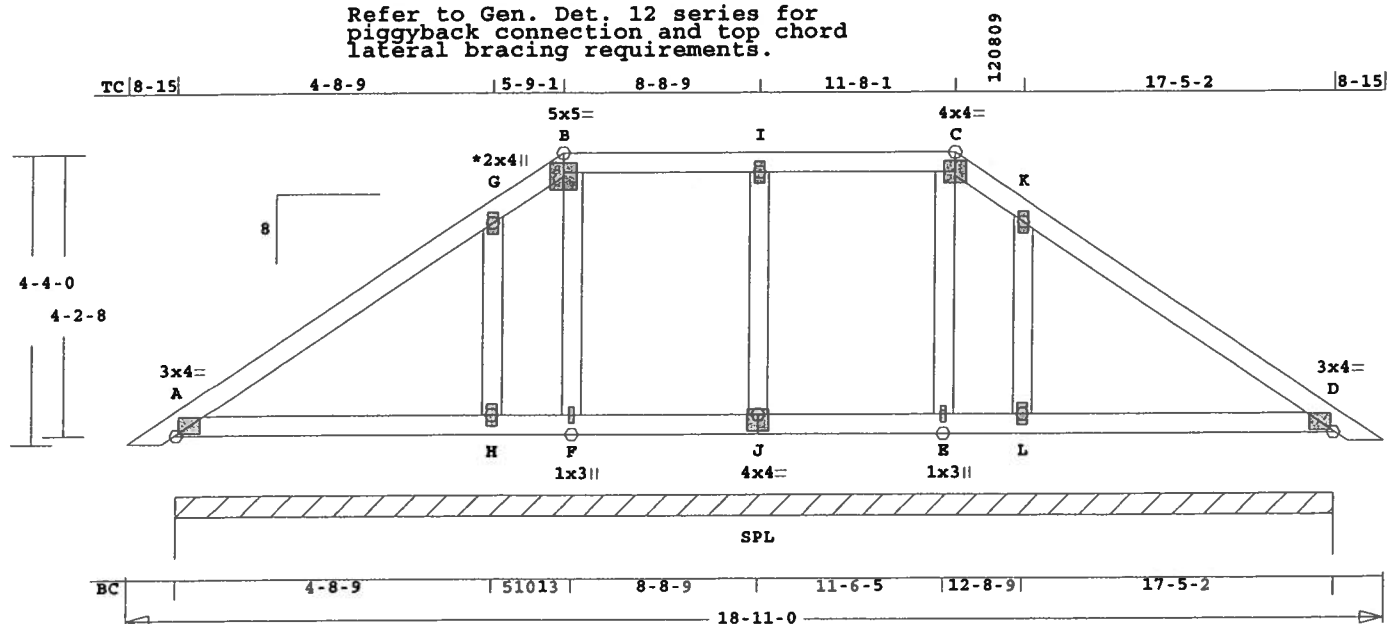
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	P4	1	HIPP	181100	8	8-15	8-15	T06041877
U# J#ISAAC-CATO CATO								

Refer to Gen. Det. 12 series for
piggyback connection and top chord
lateral bracing requirements.



ALL PLATES ARE LOCK20
See Joint G For Typical Gable Plate Size and Placement

Scale: 0.346" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 105.4 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

	CSI	Size	Lumber
TC	0.16	2x 4	SP-#2
BC	0.10	2x 4	SP-#2
WB	0.00	2x 4	SP-#2
GW	0.04	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	18-11- 0	
BC Cont.	0- 0- 0	18-11- 0	

	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 17- 5- 2		
	1490	202	Hz =	80

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -G	0.16		146 C	0.00	0.16
G -B	0.16		193 C	0.00	0.16
B -I	0.09		127 C	0.00	0.09
I -C	0.09		127 C	0.00	0.09
C -K	0.16		193 C	0.00	0.16
K -D	0.16		146 C	0.00	0.16
-----Bottom Chords-----					
A -H	0.10		1 T	0.00	0.10
H -F	0.10		0 T	0.00	0.10

F -J	0.05	0 T	0.00	0.05	
J -E	0.05	0 T	0.00	0.05	
E -L	0.10	0 T	0.00	0.10	
L -D	0.10	1 T	0.00	0.10	
-----Webs-----					
F -B	0.00	55 T			
E -C	0.00	55 T			
-----Gable Webs-----					
H -G	0.03	243 C			
J -I	0.04	200 C			
L -K	0.03	243 C			

	TL Defl	-0.02"	in L -D	L/999
LL Defl	-0.01"	in L -D	L/999	
Shear //	Grain	in A -G	0.15	

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 0.69
G LOCK 2.0x 4.0 Ctr Ctr 0.00
B LOCK 5.0x 5.0 Ctr-0.7 0.88
I LOCK 2.0x 4.0 Ctr Ctr 0.00
C LOCK 4.0x 4.0 Ctr Ctr 0.81
K LOCK 2.0x 4.0 Ctr Ctr 0.00
D LOCK 3.0x 4.0 Ctr Ctr 0.69
H LOCK 2.0x 4.0 Ctr Ctr 0.00
F LOCK 1.0x 3.0 Ctr Ctr 0.81
J LOCK 4.0x 4.0 Ctr-1.0 0.54
E LOCK 1.0x 3.0 Ctr Ctr 0.81
L LOCK 2.0x 4.0 Ctr Ctr 0.00

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

REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR

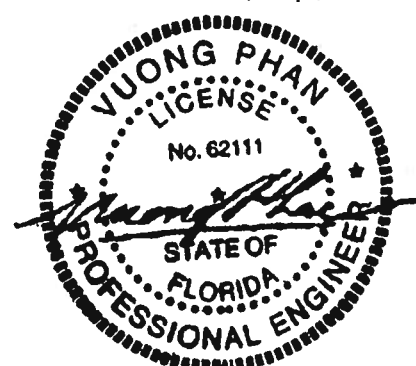
ADDITIONAL SPECIFICATIONS.

NOTES:

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

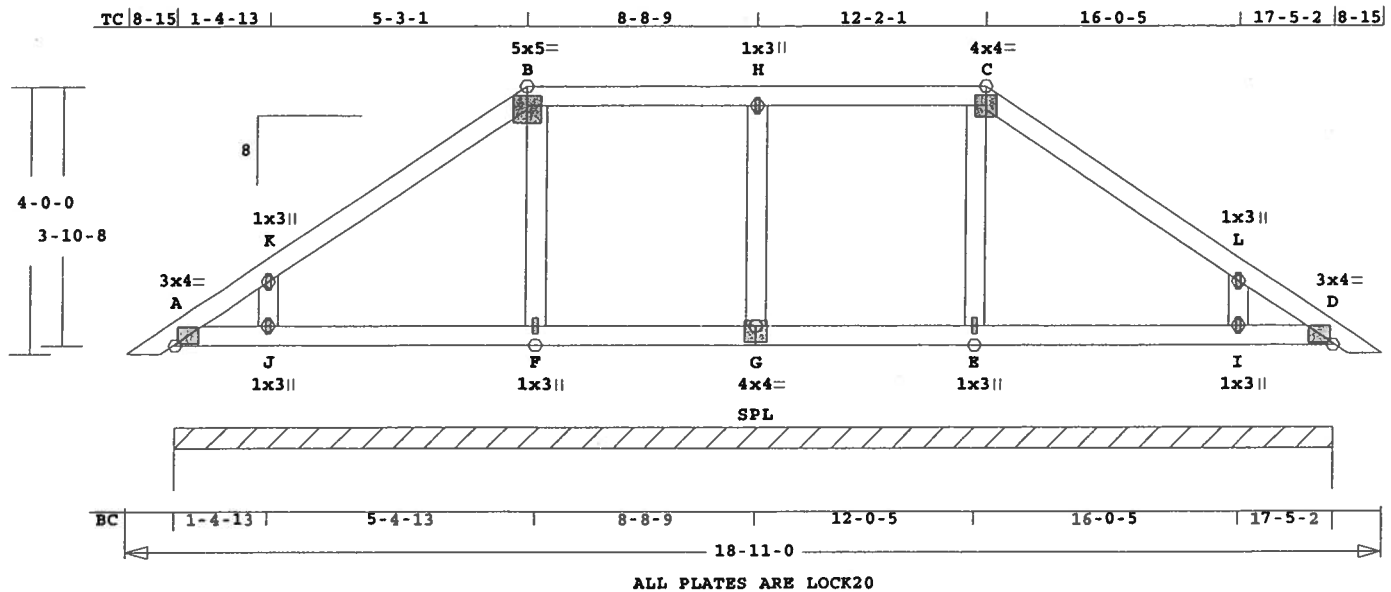
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 243 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	P5	1	HIPP	181100	8	8-15	8-15	T06041877
U# J#ISAAC-CATO CATO								

Refer to Gen. Det. 12 series for piggyback connection and top chord lateral bracing requirements.



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 94.8 LBS

Online Plus -- Version 19.1.012	J -K	0.02	220	C
RUN DATE: 18-APR-06	F -B	0.02	150	C
	G -H	0.03	211	C
	E -C	0.02	150	C
	I -L	0.02	220	C

CSI	-Size-	----	Lumber----
TC	0.13	2x 4	SP-#2
BC	0.07	2x 4	SP-#2
WB	0.03	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	18-11- 0
BC Cont.	0- 0- 0	18-11- 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	to 17- 5- 2		
	1490	202	Hz =	73

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -K	0.13		66 C	0.00	0.13
K -B	0.13		109 C	0.00	0.13
B -H	0.10		84 C	0.00	0.10
H -C	0.10		84 C	0.00	0.10
C -L	0.13		109 C	0.00	0.13
L -D	0.13		66 C	0.00	0.13
-----Bottom Chords-----					
A -J	0.06		2 T	0.00	0.06
J -F	0.07		0 T	0.00	0.07
F -G	0.07		0 T	0.00	0.07
G -E	0.07		0 T	0.00	0.07
E -I	0.07		0 T	0.00	0.07

REVIEWED BY:

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

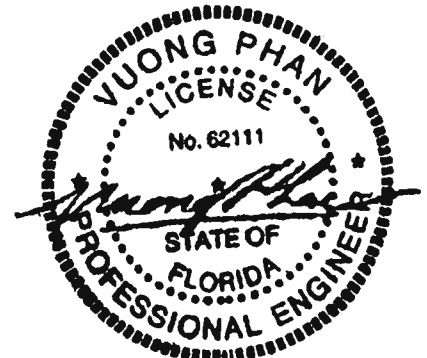
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

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

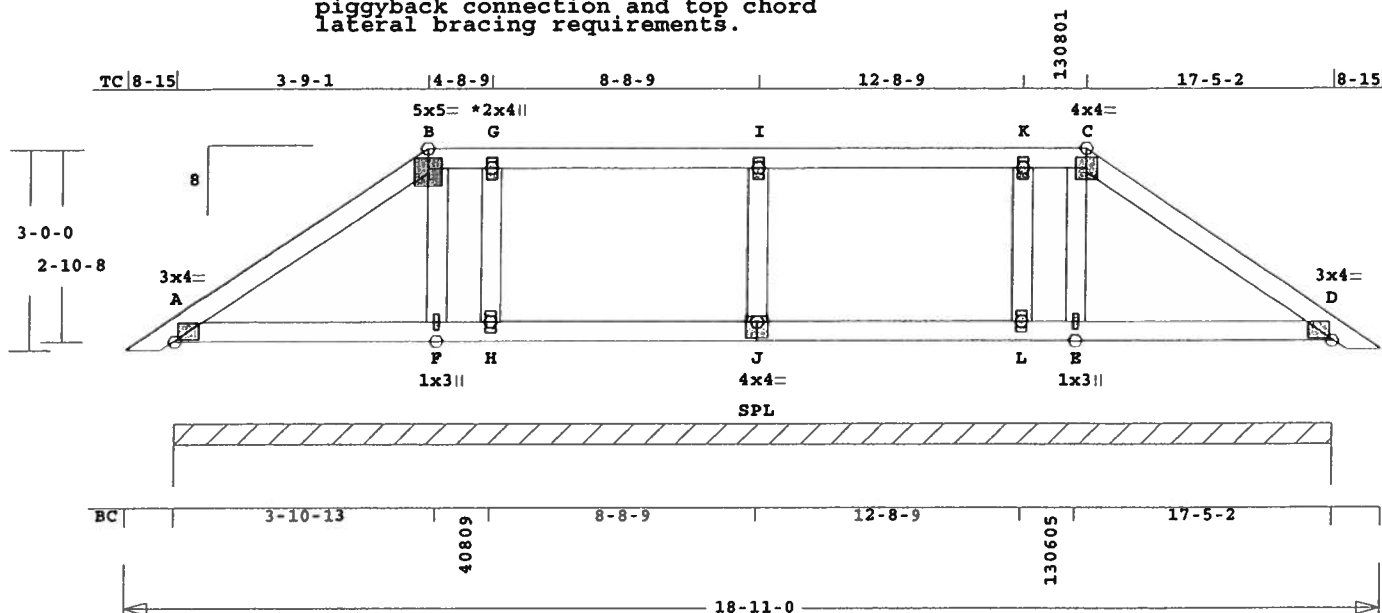
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 220 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	P6	1	HIPP	181100	'8	8-15	8-15	T06041877
U# J#ISAAC-CATO CATO								

Refer to Gen. Det. 12 series for piggyback connection and top chord lateral bracing requirements.



ALL PLATES ARE LOCK20
See Joint G For Typical Gable Plate Size and Placement

Scale: 0.346" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 93.7 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

	CSI	-Size-	---	Lumber---
TC	0.16	2x 4	SP-#2	
BC	0.09	2x 4	SP-#2	
WB	0.00	2x 4	SP-#2	
GW	0.03	2x 4	SP-#2	

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	18-11- 0	
BC Cont.	0- 0- 0	18-11- 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	0 to 17- 5- 2		
	1490	202	Hz =	52

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.11	192	C	0.00	0.11
B -G	0.09	158	C	0.00	0.09
G -I	0.16	158	C	0.00	0.16
I -K	0.16	158	C	0.00	0.16
K -C	0.09	158	C	0.00	0.09
C -D	0.11	192	C	0.00	0.11
-----Bottom Chords-----					
A -F	0.07	1	T	0.00	0.07
F -H	0.07	0	T	0.00	0.07

	H -J	0.09	0 T	0.00	0.09
J -L	0.09	0 T	0.00	0.09	
L -E	0.07	0 T	0.00	0.07	
E -D	0.07	1 T	0.00	0.07	
-----Webs-----					
F -B	0.00	38 T			
E -C	0.00	38 T			
-----Gable Webs-----					
H -G	0.01	163 C			
J -I	0.03	259 C			
L -K	0.01	163 C			

	TL Defl	-0.01"	in A -F	L/999
LL Defl	0.00"	in A -F	L/999	
Shear //	Grain	in G -I	0.16	

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr Ctr 0.69
B LOCK 5.0x 5.0 Ctr-0.7 0.88
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
C LOCK 4.0x 4.0 Ctr Ctr 0.81
D LOCK 3.0x 4.0 Ctr Ctr 0.69
F LOCK 1.0x 3.0 Ctr Ctr 0.81
H LOCK 2.0x 4.0 Ctr Ctr 0.00
J LOCK 4.0x 4.0 Ctr-1.0 0.54
L LOCK 2.0x 4.0 Ctr Ctr 0.00
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:
FBC2004

OH Loading

Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.

Refer to Gen Det 3 series for web bracing and plating.

Wind Loads - ANSI / ASCE 7-02

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

Wind Speed: 110 mph
Mean Roof Height: 15-0

Exposure Category: B
Occupancy Factor: 1.00

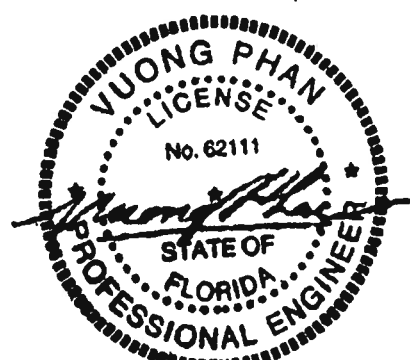
Building Type: Enclosed
Zone location: Exterior

TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf

Max comp. force 259 Lbs

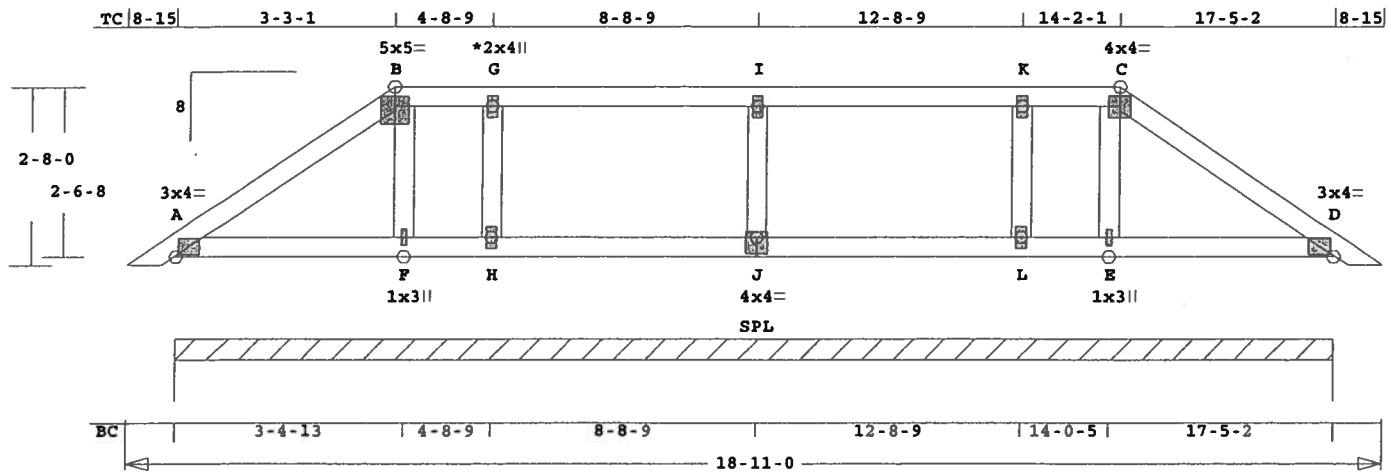
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	P7	1	HIPP	181100	8	8-15	8-15	T06041877
U# J#ISAAC-CATO CATO								

Refer to Gen. Det. 12 series for piggyback connection and top chord lateral bracing requirements.



ALL PLATES ARE LOCK20

See Joint G For Typical Gable Plate Size and Placement

Scale: 0.346" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 90.2 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

	CSI	-Size-	-----Lumber-----
TC	0.16	2x 4	SP-#2
BC	0.09	2x 4	SP-#2
WB	0.00	2x 4	SP-#2
GW	0.02	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC Cont.	0-	0- 0	18-11- 0
BC Cont.	0-	0- 0	18-11- 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 17- 5- 2	
	1489	202 Hz =	45

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A - B	0.08		145 C	0.00	0.08
B - G	0.09		118 C	0.00	0.09
G - I	0.16		118 C	0.00	0.16
I - K	0.16		118 C	0.00	0.16
K - C	0.09		118 C	0.00	0.09
C - D	0.08		145 C	0.00	0.08
-----Bottom Chords-----					
A - F	0.05		1 T	0.00	0.05
F - H	0.05		0 T	0.00	0.05
H - J	0.09		0 T	0.00	0.09
J - L	0.09		0 T	0.00	0.09
L - E	0.05		0 T	0.00	0.05

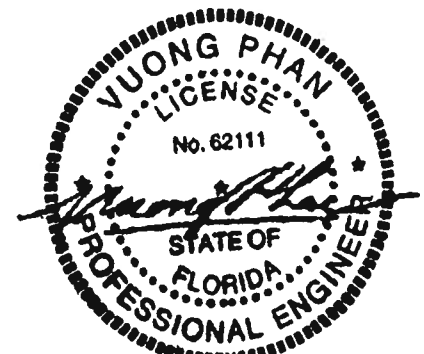
	E - D	0.05	1 T	0.00	0.05
-----Webs-----					
F - B	0.00		30 C		
E - C	0.00		30 C		
-----Gable Webs-----					
H - G	0.01		174 C		
J - I	0.02		259 C		
L - K	0.01		174 C		

	TL Defl	-0.01"	in J - L	L/999
LL Defl	0.00"	in J - L	L/999	
Shear // Grain		in G - I	0.16	

Plates for each ply each face.
PLATING CONFORMS TO TPI.
REPORT: NER 691
ROBBINS ENGINEERING, INC.
BASED ON SP LUMBER
USING GROSS AREA TEST.
Plate - LOCK 20 Ga, Gross Area
Plate - RHS 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A LOCK 3.0x 4.0 Ctr Ctr 0.69
B LOCK 5.0x 5.0 Ctr-0.7 0.88
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
C LOCK 4.0x 4.0 Ctr Ctr 0.81
D LOCK 3.0x 4.0 Ctr Ctr 0.69
F LOCK 1.0x 3.0 Ctr Ctr 0.81
H LOCK 2.0x 4.0 Ctr Ctr 0.00
J LOCK 4.0x 4.0 Ctr-1.0 0.54
L LOCK 2.0x 4.0 Ctr Ctr 0.00
E LOCK 1.0x 3.0 Ctr Ctr 0.81

FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Refer to Gen Det 3 series for web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as 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 259 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



REVIEWED BY:

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

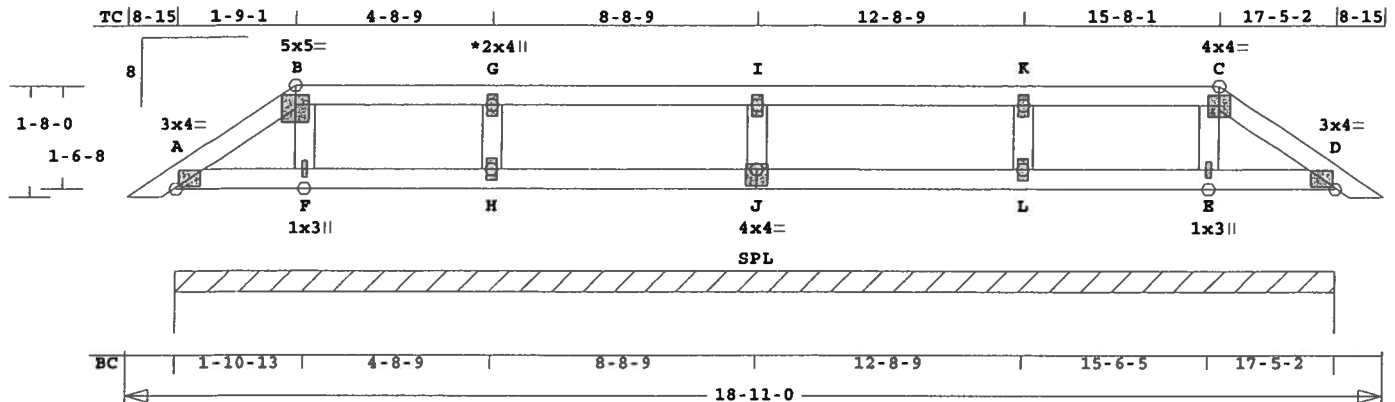
REFER TO ROBBINS ENG. GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:

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

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	P8	1	HIPP	181100	8	8-15	8-15	T06041877
U# J#ISAAC-CATO CATO								

Refer to Gen. Det. 12 series for piggyback connection and top chord lateral bracing requirements.



ALL PLATES ARE LOCK20

See Joint G For Typical Gable Plate Size and Placement

Scale: 0.346" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 79.6 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

CSI	-Size-	----	Lumber----
TC	0.15	2x 4	SP-#2
BC	0.09	2x 4	SP-#2
WB	0.00	2x 4	SP-#2
GW	0.02	2x 4	SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0- 0- 0	18-11- 0
BC Cont.	0- 0- 0	18-11- 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 17- 5- 2		
	1489	202	Hz =	23

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A - B	0.01		38 C	0.00	0.01
B - G	0.11		32 C	0.00	0.11
G - I	0.15		32 C	0.00	0.15
I - K	0.15		32 C	0.00	0.15
K - C	0.11		32 C	0.00	0.11
C - D	0.01		38 C	0.00	0.01

-----Bottom Chords-----					
A - F	0.02		0 T	0.00	0.02
F - H	0.06		0 T	0.00	0.06
H - J	0.09		0 T	0.00	0.09
J - L	0.09		0 T	0.00	0.09
L - E	0.06		0 T	0.00	0.06
E - D	0.02		0 T	0.00	0.02

-----Webs-----

F - B	0.00	100 C	
E - C	0.00	100 C	
-----Gable Webs-----			
H - G	0.02	217 C	
J - I	0.02	250 C	
L - K	0.02	217 C	

TL Defl	-0.01"	in J - L	L/999
LL Defl	0.00"	in J - L <td>L/999</td>	L/999
Shear //	Grain	in G - I	0.16

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

Plate	- LOCK 20 Ga, Gross Area
Plate	- RHS 20 Ga, Gross Area
Jt Type	Plt Size X Y JSI
A	LOCK 3.0x 4.0 Ctr Ctr 0.69
B	LOCK 5.0x 5.0 Ctr-0.7 0.88
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
C	LOCK 4.0x 4.0 Ctr Ctr 0.81
D	LOCK 3.0x 4.0 Ctr Ctr 0.69
F	LOCK 1.0x 3.0 Ctr Ctr 0.81
H	LOCK 2.0x 4.0 Ctr Ctr 0.00
J	LOCK 4.0x 4.0 Ctr-1.0 0.54
L	LOCK 2.0x 4.0 Ctr Ctr 0.00
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:

FBC2004

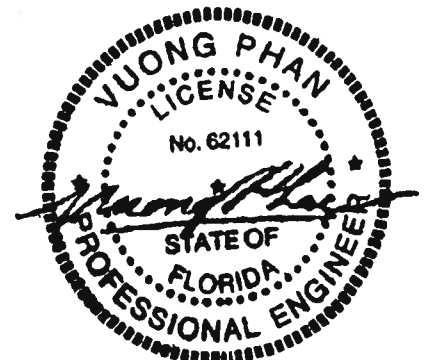
OH Loading

Soffit psf 2.0

Design checked for 10 psf non-

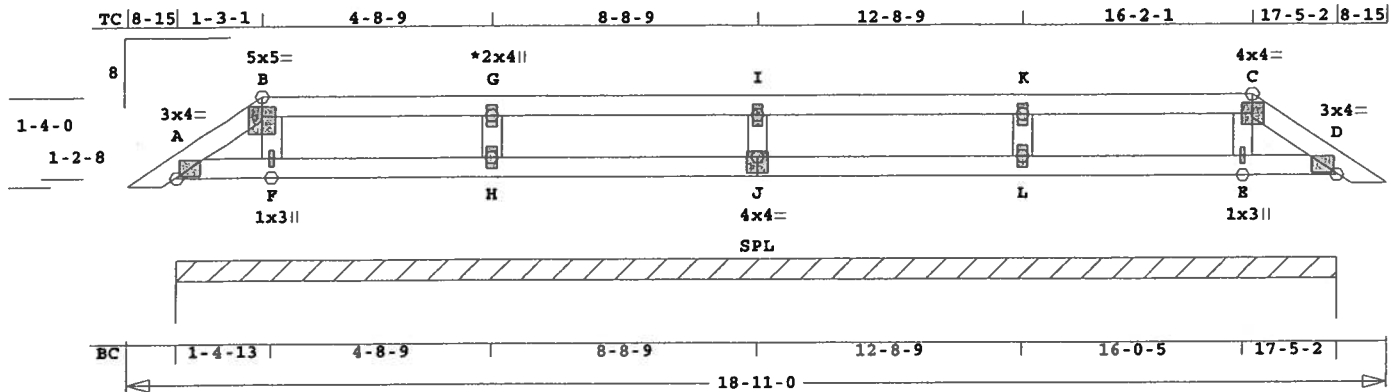
concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as a Main
Wind-Force Resistance System.
Wind Speed: 110 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
Zone location: Exterior
TC Dead Load : 5.0 psf
BC Dead Load : 5.0 psf
Max comp. force 250 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682



Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
ISAAC-CATO	P9	1	HIPP	181100	8	8-15	8-15	T06041877
U# J#ISAAC-CATO CATO								

Refer to Gen. Det. 12 series for
piggyback connection and top chord
lateral bracing requirements.



ALL PLATES ARE LOCK20
See Joint G For Typical Gable Plate Size and Placement

Scale: 0.346" = 1'

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 76.1 LBS

Online Plus -- Version 19.1.012
RUN DATE: 18-APR-06

	CSI	-Size-	----	Lumber----
TC	0.14	2x 4	SP-#2	
BC	0.08	2x 4	SP-#2	
WB	0.01	2x 4	SP-#2	
GW	0.02	2x 4	SP-#2	

Brace truss as follows:

	O.C.	From	To
TC Cont.	0- 0- 0	18-11- 0	
BC Cont.	0- 0- 0	18-11- 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	0 to 17- 5- 2		
	1490	202	Hz =	16

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -B	0.01	14	C	0.00	0.01
B -G	0.13	16	C	0.00	0.13
G -I	0.14	16	C	0.00	0.14
I -K	0.14	16	C	0.00	0.14
K -C	0.13	16	C	0.00	0.13
C -D	0.01	14	C	0.00	0.01
-----Bottom Chords-----					
A -F	0.03	0	T	0.00	0.03
F -H	0.07	0	T	0.00	0.07
H -J	0.08	0	T	0.00	0.08
J -L	0.08	0	T	0.00	0.08
L -E	0.07	0	T	0.00	0.07
E -D	0.03	0	T	0.00	0.03
-----Webs-----					

F -B	0.01	121	C
E -C	0.01	121	C
-----Gable Webs-----			
H -G	0.02	235	C
J -I	0.02	243	C
L -K	0.02	235	C

TL Defl	-0.01"	in H -J	L/999
LL Defl	0.00"	in H -J	L/999
Shear // Grain		in B -G	0.15

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 0.69
B	LOCK	5.0x 5.0	Ctr-0.7 0.88
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
C	LOCK	4.0x 4.0	Ctr Ctr 0.81
D	LOCK	3.0x 4.0	Ctr Ctr 0.69
F	LOCK	1.0x 3.0	Ctr Ctr 0.81
H	LOCK	2.0x 4.0	Ctr Ctr 0.00
J	LOCK	4.0x 4.0	Ctr-1.0 0.54
L	LOCK	2.0x 4.0	Ctr Ctr 0.00
E	LOCK	1.0x 3.0	Ctr Ctr 0.81

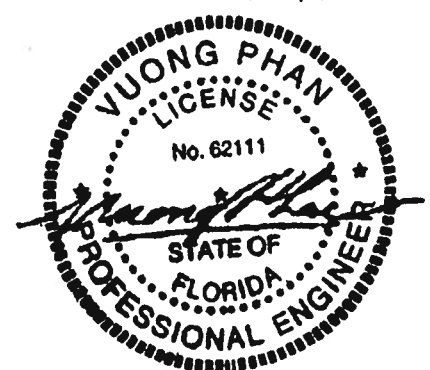
REVIEWED BY:
Robbins Engineering, Inc.
PO Box 280055
Tampa, FL 33682

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

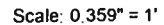
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-

concurrent LL on BC.
Refer to Gen Det 3 series for
web bracing and plating.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as 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 243 Lbs
Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
License #: 62111
Address: P.O. Box 280055, Tampa, FL 33682

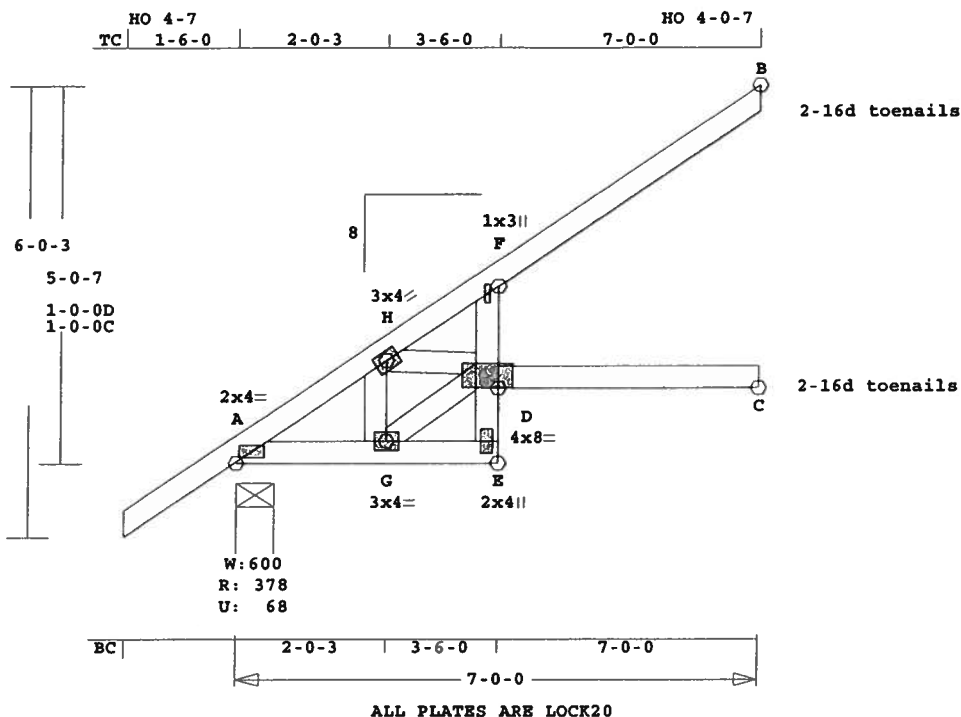


U# J#ISAAC-CATO CATO



A circular professional engineer seal for Vuong Phan. The outer ring contains the text "VUONG PHAN" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom, also separated by two stars. In the center, the license number "No. 62111" is printed. A handwritten signature, "Vuong Phan", is written across the seal, crossing over the "STATE OF FLORIDA" text.

Job	Mark	Quan	Type	Span	Pl-H1	Left OH	Right OH	Engineering
ISAAC-CATO	VJ1	4	SP	70000	8	1- 6- 0	0	T06041877
U# J#ISAAC-CATO CATO								



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 44.0 LBS

Online Plus -- Version 19.1.012
 RUN DATE: 18-APR-06

	CSI	-Size-	-----Lumber-----
TC	0.33	2x 4	SP-#2
BC	0.57	2x 4	SP-#2
CW	0.21	2x 4	SP-#2
WB	0.02	2x 4	SP-#2

Brace truss as follows:

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

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

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

Jt	React	Uplift	Size	Req'd
	Lbs	Lbs	In-Sx	In-Sx
A	378	68	6- 0	1- 8
			Hz =	142
C	126	15	1- 8	1- 8
B	157	74	1- 8	1- 8
			Hz =	97

Membr	CSI	P	Lbs	Axl	CSI-Bnd
-----Top Chords-----					
A -H	0.05		335 C	0.00	0.05
H -F	0.28		155 C	0.00	0.28
F -B	0.33		83 T	0.00	0.33
-----Bottom Chords-----					
A -G	0.06		284 T	0.04	0.02

	G -E	0.04	213 T	0.03	0.01
E -D	0.19	17 T	0.00	0.19	
D -C	0.57	0 T	0.00	0.57	
-----Chord-Webs-----					
E -D	0.21	17 T	0.00	0.21	
D -F	0.20	135 T	0.01	0.19	
-----Webs-----					
G -H	0.00	41 C			
G -D	0.01	87 T			
H -D	0.02	217 C			

TL Defl -0.16" in E -D L/483
 LL Defl -0.08" in E -D L/985
 Hz Disp LL DL TL
 Jt C 0.02" 0.03" 0.05"
 Shear // Grain in H -F 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 2.0x 4.0 Ctr Ctr 0.63
 H LOCK 3.0x 4.0 Ctr Ctr 0.45
 F LOCK 1.0x 3.0 Ctr Ctr 0.33
 G LOCK 3.0x 4.0 Ctr Ctr 0.38
 E LOCK 2.0x 4.0 Ctr Ctr 0.58
 D LOCK 4.0x 8.0 Ctr 0.2 0.65

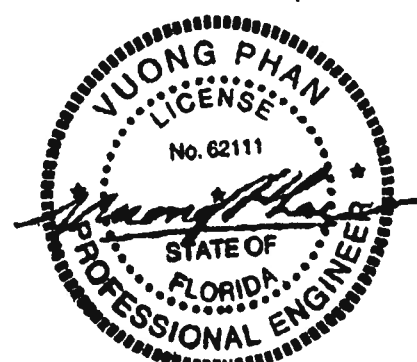
REVIEWED BY:
 Robbins Engineering, Inc.
 PO Box 280055
 Tampa, FL 33682

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

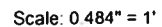
For proper installation of
 toe-nails, refer to the 2001

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 335 Lbs
 Quality Control Factor 1.25

Truss Design Engineer: Vuong Phan
 License #: 62111
 Address: P.O. Box 280055, Tampa, FL 33682



U# J#ISAAC-CATO CATO

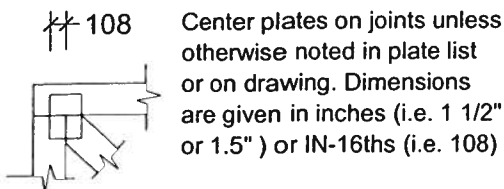


Quality Control Factor 1.25

A circular professional engineer seal for Vuong Phan. The outer ring contains the text "VUONG PHAN" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom, also separated by two stars. In the center, the license number "No. 62111" is printed. A signature, "Vuong Phan", is written across the seal in cursive script.

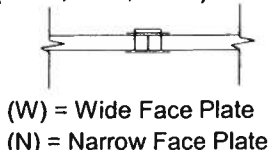
ROBBINS ENG. GENERAL NOTES & SYMBOLS

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.

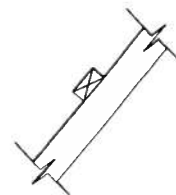
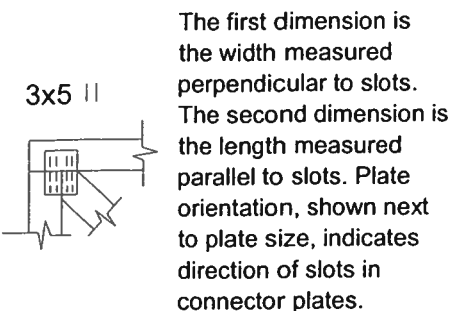
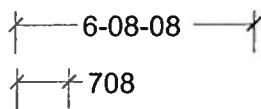


PLATE SIZE AND ORIENTATION



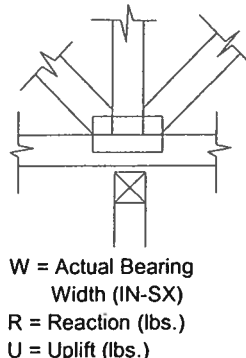
DIMENSIONS

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.



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

www.robbinseng.com