DATE 07/03/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000025978

APPLICANT JERRY L. RYE PHONE 352.378.3006

ADDRESS 3817 NW 28TH TERRACE GAINESVILLE FL 32605

OWNER DEREK & JENNIFER SMITH PHONE 386.752.8952

ADDRESS 200 SW GERALD CONNER DRIVE LAKE CITY FL 32025

CONTRACTOR JERRY RYE PHONE 352.378.3006

LOCATION OF PROPERTY 47-S TO C-242,TR TO ARROWHEAD,TR TO CANNON CREEK DRIVE AND IT'S THE 4TH LOT R.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 107400.00

HEATED FLOOR AREA 2148.00 TOTAL AREA 3670.00 HEIGHT 23.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 7'12 FLOOR CONC

LAND USE & ZONING RSF-2 MAX. HEIGHT 35

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

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

PARCEL ID 24-4S-16-03114-146 SUBDIVISION CANNON CREEK PLACE

LOT 46 BLOCK PHASE UNIT TOTAL ACRES 0.50

000001410		CGC1511121		
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
18"X32'MITERED	07-0469-N	BLK	JTH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE.PLAT REQUIRES MFE OF 105.0'. ELEVATION CONFIRMATION LETTER REQUIRED.

Check # or Cash 1113

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

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

Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by

Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

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

Pool _____ date/app. by

Reconnection _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H Pole _____ date/app. by

Travel Trailer _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 540.00 CERTIFICATION FEE $ 18.35 SURCHARGE FEE $ 18.35

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** 676.70

INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

16395

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

NOTICE OF COMMENCEMENT

TO WHOM IT MAY CONCERN:

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

1. Description of Property: Lot 46, Cannon Creek Place, according to the plat thereof as recorded in Plat Book 8, Pages 31 through 34, inclusive, of the public records of Columbia County, Florida.

2. General Description of Improvement: Construction of Dwelling

3. Owner Information:

   a. Name and Address: James Derek Smith and Jennifer K. Smith, 440 SW Greenridge Lane, Lake City, FL 32025

   b. Interest in property: Fee Simple

   c. Name and address of fee simple title holder (if other than Owner): NONE

4. Contractor (name and address): Rye Construction Company, Inc., 3817 NW 28th Terrace, Gainesville, FL 32605

5. Surety:

   a. Name and Address: N/A

   b. Amount of Bond: N/A

Inst:2007011520 Date:05/23/2007 Time:11:07
DC,P.DeWitt Cason,Columbia County B:1120 P: 1

6. LENDER: Ameris Bank
   25365 West Newberry Road
   Newberry, FL 32669

7. Persons within the State of Florida designated by Owner upon whom notices of other documents may be served as provided in Section 713.13(1)(a)7., Florida Statutes: NONE

8. In addition to himself, Owner designates Carin Floyd, of Ameris Bank at 25365 West Newberry Road, Newberry, FL 32669, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b) Florida Statutes.

8. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

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

Signed, sealed and delivered in the presence:

WITNESS Cheryl Beaty

WITNESS Dawn Parrish

James Derek Smith

Jennifer K. Smith

STATE OF FLORIDA
COUNTY OF COLUMBIA

Before me, personally appeared James Derek Smith, and his wife, Jennifer K. Smith., to me known to be the person(s) described in and who executed the foregoing instrument, and they acknowledged to and before me that they executed said instrument for the purpose therein expressed.

Witness my hand and official seal this 18th day of May, 2007.

(SEAL)

NOTARY PUBLIC

My Commission Expires:

NOTARY PUBLIC STATE OF FLORIDA
DORIS M DRAKE
MY COMMISSION # DD537517
EXPIRES: Apr. 5, 2010
(407) 398-0153 Florida Notary Service.com

16395

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

NOTICE OF COMMENCEMENT

TO WHOM IT MAY CONCERN:

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

1. Description of Property: Lot 46, Cannon Creek Place, according to the plat thereof as recorded in Plat Book 8, Pages 31 through 34, inclusive, of the public records of Columbia County, Florida.

2. General Description of Improvement: Construction of Dwelling

3. Owner Information:

   a. Name and Address: James Derek Smith and Jennifer K. Smith, 440 SW Greenridge Lane, Lake City, FL 32025

   b. Interest in property: Fee Simple

   c. Name and address of fee simple title holder (if other than Owner): NONE

4. Contractor (name and address): Rye Construction Company, Inc., 3817 NW 28th Terrace, Gainesville, FL 32605

5. Surety:

   a. Name and Address: N/A

   b. Amount of Bond: N/A

Inst:2007011520 Date:05/23/2007 Time:11:07
DC,P.DeWitt Cason,Columbia County B:1120 P: 1

6. LENDER: Ameris Bank
   25365 West Newberry Road
   Newberry, FL 32669

7. Persons within the State of Florida designated by Owner upon whom notices of other documents may be served as provided in Section 713.13(1)(a)7., Florida Statutes: NONE

8. In addition to himself, Owner designates Carin Floyd, of Ameris Bank at 25365 West Newberry Road, Newberry, FL 32669, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b) Florida Statutes.

8. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

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

Signed, sealed and delivered in the presence:

WITNESS Cheryl Beaty

WITNESS Dawn Parrish

James Derek Smith

Jennifer K. Smith

STATE OF FLORIDA
COUNTY OF COLUMBIA

Before me, personally appeared James Derek Smith, and his wife, Jennifer K. Smith., to me known to be the person(s) described in and who executed the foregoing instrument, and they acknowledged to and before me that they executed said instrument for the purpose therein expressed.

Witness my hand and official seal this 18th day of May, 2007.

(SEAL)

NOTARY PUBLIC

My Commission Expires:

DORIS M DRAKE
MY COMMISSION # DD537517
EXPIRES: Apr. 5, 2010
(407) 398-0153 Florida Notary Service.com

CLERK OF CIRCUIT COURT
COLUMBIA COUNTY, FLORIDA

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By Bonnie Dau Deputy Clerk
Date 5-23-07

Prepared by:
Michael H. Harrell
Abstract & Title Services, Inc.
111 East Howard Street
Live Oak, Florida 32064

Warranty Deed

Individual to Individual

THIS WARRANTY DEED made the 28th day of April, 2006 by

Peter W. Giebeig, A Single Person

hereinafter called the grantor, to

James Derek Smith

whose post office address is: 440 SW Greenridge Lane, Lake City, FL 32025-1672
hereinafter called the grantee:

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

Witnesseth: That the grantor, for and in consideration of the sum of $10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in COLUMBIA County, FLORIDA, viz: Parcel ID# R03114-146

Lot 46, of Cannon Creek Place, a subdivision according to the plat thereof recorded in Plat Book 8, Pages 31-34, of the Public Records of Columbia County, Florida.

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

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

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2005.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Witness

Printed Name

Witness

Printed Name

Peter W. Giebeig

Inst:2006010550 Date:05/02/2006 Time:10:20
Doc Stamp-Deed : 384.30
DC,P.DeWitt Cason,Columbia County B:1082 P:769

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 28th day of April, 2006 by Peter W. Giebeig, A Single Person personally known to me or, if not personally known to me, who produced _____ for identification and who did not take an oath.

(SEAL)

DORIS M DRAKE
MY COMMISSION # DD537517
EXPIRES: Apr. 5, 2010
Florida Notary Service.com
(407) 398-0153

Notary Public

My Commission Expires:

Columbia County Building Permit Application

For Office Use Only Application # 0706-42 Date Received 6/13 By JW Permit # 25978/1410

Application Approved by - Zoning Official BLK Date 27.06.07 Plans Examiner OK JTH Date 6-29-07

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

Comments Plat Requires MFE of 105.0' Elevation confirmation letter required

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

Fax 352-378-9003

Name Authorized Person Signing Permit JERRY L. RYE Phone 352-378-3006

Address 3817 N.W. 28 TH TERRACE CELL-352-258-8603

Owners Name DEREK + JENNIFER SMITH Phone 386-752-8952

911 Address 200 S.W. GERALD CONNER DRIVE LAKE City FL. 32025

Contractors Name RYE CONSTRUCTION CO. INC. Phone 352-258-8603 C

Address 3817 N.W. 28 Th TERRACE GAINESVILLE FL. 32605

Fee Simple Owner Name & Address 440 S.W. Greenridge Lane Lake City, FL. 32025

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address BRAD MUNN P.O.Box 773063 OCALA, FL. 34477

Mortgage Lenders Name & Address AMERIS BANK 25365 W. Newberry Rd. Newberry, FL. 32669

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

Property ID Number R03114-146 Estimated Cost of Construction 205,000.—

Subdivision Name CANNON CREEK PLACE Lot 46 Block ____ Unit ____ Phase

Driving Directions SR 47 South to CR 242 - CR 242 To Arrowhead - Right on Arrowhead To Cannon Creek Drive - Cannon Creek Drive To Cannon Creek Estates on Left - 4th Lot on Right

Type of Construction BRICK ON FRAME ON CONC. SLAB Number of Existing Dwellings on Property 0

Total Acreage 22340 SF Lot Size ½ AC. ± Do you need a (Culvert Permit) or Culvert Waiver or Have an Existing I

On Blueprint Actual Distance of Structure from Property Lines - Front 25' Side 30' Side 44'-6" Rear 80'-5

Total Building Height 23' Number of Stories 1 Heated Floor Area 2148 TOTAL 3,670 Roof Pitch 7/12

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 all laws regulating construction in this jurisdiction.

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

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

Jerry Rye

Owner Builder or Authorized Person by Notarized Letter

Contractor Signature

Contractors License Number CGC1511121

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 13 day of June 2007.

Personally known ✓ or Produced Identification

Deborah A Dean

Notary Signature

DEBORAH A. DEAN
Comm# DD0540[illegible]
Expires 4/18/2010
Bonded thru
Florida Notary A[illegible]

Tel called Mr Rye 6-29-07

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 5/11/2007 **DATE ISSUED:** 5/16/2007

ENHANCED 9-1-1 ADDRESS:

200 SW GERALD CONNER DR

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

24-4S-16-03114-146

Remarks:

LOT 46 CANNON CREEK PLACE S/D

Address Issued By: _____
Columbia County 9-1-1 Addressing / GIS Department

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

755

Approved Address

MAY 16 2007

911Addressing/GIS Dept

STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-0469-N

PART II - SITE PLAN

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

SEE ATTACHED

Notes:

REVISED 6/18/17

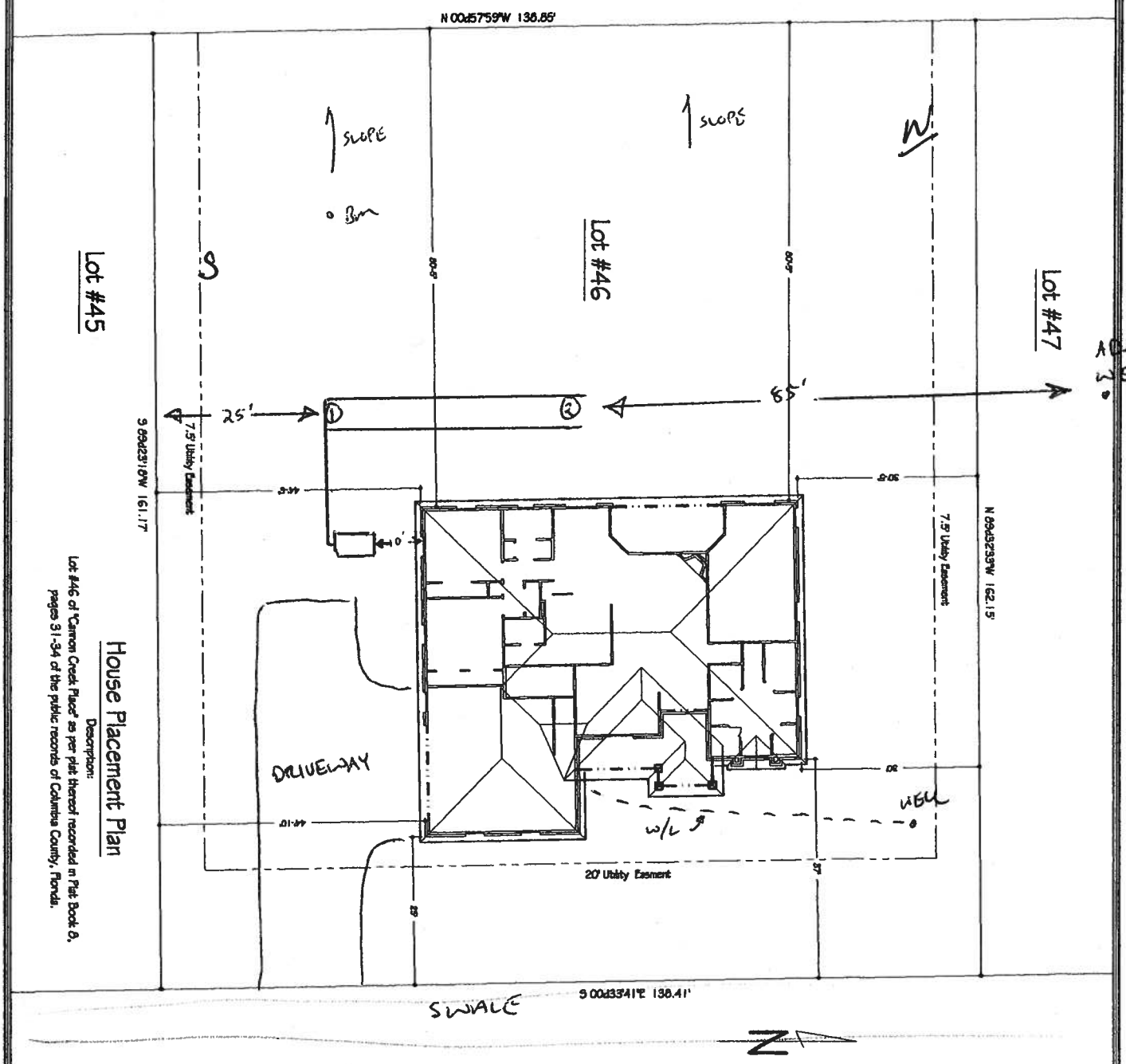
Site Plan submitted by: Jerry Rye
Signature

Title

Plan Approved ✓ Not Approved _____ Date 6/18/17

By [signature] Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



PAGE 1

MUNN DESIGN
RESIDENTIAL DRAFTING & DESIGN
PH:(352)873-5575 P.O.Box 773063
Fax:(352)861-4631 OCALA, FL 34477-3063
www.MunnDesign.com Email@MunnDesign.com

DRAWN BY:	BRAD A. MUNN
DATE:	8-15-2007
SCALE:	1/8"
Plan #	
FIELD	

Custom Home Design for:
Derek & Jennifer Smith
200 SW Gerald Conner Dr. Lake City, FL 32025

Rye Construction Company, Inc.
State Certified Custom Home Builder
CGC #1511121
PH:(352) 378-3006 Gainesville, Florida
Fax:(352)378-9008 RCCI@Cox.net
RCCI

FORM 600A-2004R Tested sealed ducts must be certified in this house. EnergyGauge® 4.5

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	DEREK SMITH - RYE CONSTRUCTION	Builder:	RYE CONSTRUCTION
Address:		Permitting Office:	COLUMBIA COUNTY
City, State:	,	Permit Number:	25978
Owner:	DEREK SMITH	Jurisdiction Number:	22000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 48.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No		
6. Conditioned floor area (ft²)	2148 ft²	c. N/A	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor:	Description Area	13. Heating systems	
(or Single or Double DEFAULT)	7a. (Dble, U=0.9) 68.0 ft²	a. Electric Heat Pump	Cap: 48.0 kBtu/hr
b. SHGC:			HSPF: 8.50
(or Clear or Tint DEFAULT)	7b. (Clear) 301.5 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 199.5(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 40.0 gallons
a. Frame, Wood, Exterior	R=13.0, 1693.5 ft²		EF: 0.93
b. Frame, Wood, Adjacent	R=0.0, 390.0 ft²	b. N/A	
c. Frame, Wood, Adjacent	R=13.0, 205.0 ft²		
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, 2148.0 ft²	15. HVAC credits	
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: Attic	Sup. R=6.0, 180.0 ft	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	

Glass/Floor Area: 0.14 Total as-built points: 28365 Total base points: 29283 **PASS**

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

PREPARED BY: Larry Rasmondo a/c

DATE: March 26, 2007

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE

GLASS TYPES

.18 X	Conditioned Floor Area	X BSPM	= Points
.18	2148.0	18.59	7188.0

WALL TYPES	Area X	BSPM	= Points
Adjacent	595.0	0.70	416.5
Exterior	1693.5	1.70	2879.0
Base Total:	**2288.5**		**3295.5**

DOOR TYPES	Area X	BSPM	= Points
Adjacent	21.0	2.40	50.4
Exterior	21.0	6.10	128.1
Base Total:	**42.0**		**178.5**

CEILING TYPES	Area X	BSPM	= Points
Under Attic	2148.0	1.73	3716.0
Base Total:	**2148.0**		**3716.0**

FLOOR TYPES	Area X	BSPM	= Points
Slab	199.5(p)	-37.0	-7381.5
Raised	0.0	0.00	0.0
Base Total:			**-7381.5**

INFILTRATION	Area X	BSPM	= Points
	2148.0	10.21	21931.1

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF =	Points
1.Double,U=0.87,Clear	E	6.0	6.0	25.0	42.06	0.52	544.0
2.Double,U=0.87,Clear	E	13.0	8.0	7.0	42.06	0.42	123.0
3.Single,U=0.60,Clear	E	1.5	6.0	20.0	49.88	0.91	910.0
4.Double,U=0.87,Clear	N	1.5	3.0	12.0	19.20	0.83	191.0
5.Double,U=0.87,Clear	N	1.5	7.0	36.0	19.20	0.96	661.0
6.Double,U=0.87,Clear	W	1.5	7.0	68.0	38.52	0.94	2459.0
7.Double,U=0.87,Clear	W	8.0	7.0	25.0	38.52	0.50	477.0
8.Double,U=0.87,Clear	W	1.5	6.0	12.5	38.52	0.91	439.0
9.Double,U=0.60,Clear	W	6.0	8.0	42.0	39.74	0.60	1005.0
10.Double,U=0.87,Clear	S	1.5	7.0	54.0	35.87	0.89	1732.0
As-Built Total:				**301.5**			**8541.0**

Type	R-Value	Area X	SPM =	Points
1. Frame, Wood, Exterior	13.0	1693.5	1.50	2540.3
2. Frame, Wood, Adjacent	0.0	390.0	2.20	858.0
3. Frame, Wood, Adjacent	13.0	205.0	0.60	123.0
As-Built Total:		**2288.5**		**3521.3**

Type	Area X	SPM =	Points
1.Exterior Wood	21.0	6.10	128.1
2.Adjacent Wood	21.0	2.40	50.4
As-Built Total:	**42.0**		**178.5**

Type	R-Value	Area X	SPM X SCM =	Points
1. Under Attic	30.0	2148.0	1.73 X 1.00	3716.0
As-Built Total:		**2148.0**		**3716.0**

Type	R-Value	Area X	SPM =	Points
1. Slab-On-Grade Edge Insulation	0.0	199.5(p	-41.20	-8219.4
As-Built Total:		**199.5**		**-8219.4**

	Area X	SPM =	Points
	2148.0	10.21	21931.1

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 28927.6			**Summer As-Built Points:**					**29668.5**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 48000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)					
			29668	1.00	(1.09 x 1.000 x 1.11)	0.260	1.000	9332.9
28927.6	**0.3250**	**9401.5**	**29668.5**	**1.00**	**1.210**	**0.260**	**1.000**	**9332.9**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	2148.0	20.17	7799.0	1.Double,U=0.87,Clear	E	6.0	6.0	25.0	18.79	1.29	604.0	
				2.Double,U=0.87,Clear	E	13.0	8.0	7.0	18.79	1.41	185.0	
				3.Single,U=0.60,Clear	E	1.5	6.0	20.0	10.04	1.04	207.0	
				4.Double,U=0.87,Clear	N	1.5	3.0	12.0	24.58	1.01	297.0	
				5.Double,U=0.87,Clear	N	1.5	7.0	36.0	24.58	1.00	886.0	
				6.Double,U=0.87,Clear	W	1.5	7.0	68.0	20.73	1.02	1432.0	
				7.Double,U=0.87,Clear	W	8.0	7.0	25.0	20.73	1.18	612.0	
				8.Double,U=0.87,Clear	W	1.5	6.0	12.5	20.73	1.02	265.0	
				9.Double,U=0.60,Clear	W	6.0	8.0	42.0	13.24	1.13	631.0	
				10.Double,U=0.87,Clear	S	1.5	7.0	54.0	13.30	1.07	771.0	
				As-Built Total:				**301.5**			**5890.0**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	595.0	3.60	2142.0	1. Frame, Wood, Exterior	13.0	1693.5	3.40	5757.9
Exterior	1693.5	3.70	6266.0	2. Frame, Wood, Adjacent	0.0	390.0	10.40	4056.0
				3. Frame, Wood, Adjacent	13.0	205.0	3.30	676.5
Base Total:	**2288.5**		**8408.0**	**As-Built Total:**		**2288.5**		**10490.4**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	21.0	11.50	241.5	1.Exterior Wood	21.0	12.30	258.3
Exterior	21.0	12.30	258.3	2.Adjacent Wood	21.0	11.50	241.5
Base Total:	**42.0**		**499.8**	**As-Built Total:**	**42.0**		**499.8**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	2148.0	2.05	4403.4	1. Under Attic	30.0	2148.0	2.05 X 1.00	4403.4
Base Total:	**2148.0**		**4403.4**	**As-Built Total:**		**2148.0**		**4403.4**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	199.5(p)	8.9	1775.5	1. Slab-On-Grade Edge Insulation	0.0	199.5(p	18.80	3750.6
Raised	0.0	0.00	0.0					
Base Total:			**1775.5**	**As-Built Total:**		**199.5**		**3750.6**

INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points
	2148.0	-0.59	-1267.3		2148.0	-0.59	-1267.3

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**21618.4**	**Winter As-Built Points:**					**23766.9**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 48000 btuh ,EFF(8.5) Ducts:Unc(S),Unc(R),Att(AH),R6.0					
			23766.9	1.000	(1.069 x 1.000 x 1.10)	0.401	1.000	11211.9
21618.4	**0.5540**	**11976.6**	**23766.9**	**1.00**	**1.176**	**0.401**	**1.000**	**11211.9**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

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

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
9401	**11977**	**7905**	**29283**	**9333**	**11212**	**7820**	**28365**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked cir 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* = 85.0

The higher the score, the more efficient the home.

DEREK SMITH, , , ,

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family			a. Central Unit	Cap: 48.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 13.00
4.	Number of Bedrooms	3			b. N/A	
5.	Is this a worst case?	No				
6.	Conditioned floor area (ft²)	2148 ft²			c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					
	a. U-factor: (or Single or Double DEFAULT)	7a. (Dble, U=0.9)	68.0 ft²	13.	Heating systems	
	b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear)	301.5 ft²		a. Electric Heat Pump	Cap: 48.0 kBtu/hr
8.	Floor types					HSPF: 8.50
	a. Slab-On-Grade Edge Insulation	R=0.0, 199.5(p) ft			b. N/A	
	b. N/A					
	c. N/A				c. N/A	
9.	Wall types			14.	Hot water systems	
	a. Frame, Wood, Exterior	R=13.0, 1693.5 ft²			a. Electric Resistance	Cap: 40.0 gallons
	b. Frame, Wood, Adjacent	R=0.0, 390.0 ft²				EF: 0.93
	c. Frame, Wood, Adjacent	R=13.0, 205.0 ft²			b. N/A	
	d. N/A					
	e. N/A				c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10.	Ceiling types			15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
	a. Under Attic	R=30.0, 2148.0 ft²				
	b. N/A					
	c. N/A					
11.	Ducts(Leak Free)					
	a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 180.0 ft				
	b. N/A					

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

Builder Signature: _____ Date: _____

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

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

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

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001410

DATE 07/03/2007 PARCEL ID # 24-4S-16-03114-146

APPLICANT JERRY RYE PHONE 352.378.3006

ADDRESS 3817 NW 28THH TERRACE GAINESVILLE FL 32605

OWNER DEREK & JENNIFER SMITH PHONE 386.752.8952

ADDRESS 200 SW GERALD CONNER DRIVE LAKE CITY FL 32025

CONTRACTOR JERRY L. RYE PHONE 352.378.3006

LOCATION OF PROPERTY 47-S TO C-242,TR TO ARROWHEAD RD,TR TO CANNON CREEK DR, @ CANNON CREEK S.D. AND IT'S THE 4TH LOT ON R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT CANNON CREEK PLACE 46

SIGNATURE Jerry Rye

INSTALLATION REQUIREMENTS

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

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

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

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

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

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

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

-0706-42-

Jerry Rye
Rye Construction
Re: Derek Smith Residence

Mr. Rye,

Regarding beams for the Derek Smith residence, for the garage door beam it is to be a 2 ply 16" LVL and be strapped at each end with a Simpson LTT20 at the bottom and 2-LSTA 18's at the top. For the lanai beam, it is to be a 2 ply 14" LVL and be strapped at each end with a LTT 19 at the bottom and a MSTA 21 at the top. For the front porch beams, all are to be double 2x12 SYP #2 and be strapped at the top with LSTA 18 and at the bottom where there is a post with an ABU66 and where there is no post with an LTT19.

If you have any questions regarding this matter please feel free to contact me.

Sincerely,

Frank J. Sapienza Jr.
License Professional Engineer
Florida License Number 48566

6/22/07

PRODUCT APPROVAL SPECIFICATION SHEET

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS	THERMA-TRU	EXT FIBERGLASS 1 3/4	FL-5262
A. SWINGING	" "	EXT STEEL 1 3/4	
B. SLIDING			
C. SECTIONAL/ROLL UP	RAYNOR		FL 3610
D. OTHER			
2. WINDOWS	BETTER-BILT	SERIES 740 FRAME FIN	FL 5438.23
A. SINGLE/DOUBLE HUNG	N/A		
B. HORIZONTAL SLIDER	N/A		
C. CASEMENT			
D. FIXED	N/A		
E. MULLION	BETTER-BILT	SERIES 740 FRAME FIN	FL 5438.23
F. SKYLIGHTS	N/A		
G. OTHER	N/A		
3. PANEL WALL			
A. SIDING	JAMES HARDI	7 1/4 X 12 PLANK	FL 889.122
B. SOFFITS	REYNOLDS	VENTED ALUM	
C. STOREFRONTS	N/A		
D. GLASS BLOCK	N/A		
E. OTHER	N/A		
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	CERTAIN-TEED	ARCHITECTURAL 30 YR	FL 250-R-1
B. NON-STRUCT METAL			
C. ROOFING TILES	N/A		
D. SINGLE PLY ROOF	N/A		
E. OTHER	FELT TAMKO	30 LB. ASPHALT	FL 1814.3
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS	SIMPSON/HUGHES	AS PER STRUCTURAL ENG	
B. WOOD ANCHORS		AS PER " "	
C. TRUSS PLATES		AS PER TRUSS ENG	
D. INSULATION FORMS	N/A		
E. LINTELS	N/A		
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS	G.P.	7/16 4X10 WINDSTORM OSB	
A.			

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

APPLICANT SIGNATURE

6-12-07
DATE

R-1305 01-04

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 5/11/2007 **DATE ISSUED:** 5/16/2007

ENHANCED 9-1-1 ADDRESS:

200 SW GERALD CONNER DR

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

24-4S-16-03114-146

Remarks:

LOT 46 CANNON CREEK PLACE S/D

Address Issued By: _____
Columbia County 9-1-1 Addressing / GIS Department

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

755

Approved Address

MAY 16 2007

911Addressing/GIS Dept

Product Approval

USER: Public User

FL #	FL250-R1
Application Type	Revision
Code Version	2004
Application Status	Approved
Comments	
Archived	

Product Manufacturer	CertainTeed Corporation-Roofing
Address/Phone/Email	PO Box 1100 1400 Union Meeting Rd Blue Bell, PA 19422 (610) 341-6678 allan.r.snyder@saint-gobain.com
Authorized Signature	Richard Snyder allan.r.snyder@saint-gobain.com
Technical Representative Address/Phone/Email	
Quality Assurance Representative Address/Phone/Email	
Category	Roofing
Subcategory	Asphalt Shingles
Compliance Method	Certification Mark or Listing
Certification Agency	Miami-Dade BCCO - CER

Referenced Standard and Year (of Standard)	**Standard** ASTM D3462 ASTM E108 TAS 100 TAS 107 TAS 110 UL 790
Equivalence of Product Standards Certified By	
Product Approval Method	Method 1 Option A
Date Submitted	09/08/2005
Date Validated	09/08/2005
Date Pending FBC Approval	09/27/2005
Date Approved	10/11/2005

Summary of Products

FL #	Model, Number or Name	Description
250.1	Carriage House Shangle	Fiberglass laminated shin
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Refer to current Miami-Dade NOA.		**Certification Agency Ce** **Installation Instruction** PTID_250_R1_I_010503(Series.pdf PTID_250_R1_I_010516(PTID_250_R1_I_010612(PTID_250_R1_I_020110(Series.pdf PTID_250_R1_I_021216(CT20_XT25_XT30_Patriot PTID_250_R1_I_021219(Series.pdf PTID_250_R1_I_040616(Grand Manor.pdf Verified By:
250.2	Classic Horizon Shangle	Fiberglass 3 tab overlay s
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Refer to current Miami-Dade NOA.		**Certification Agency Ce** **Installation Instruction** Verified By:

250.3	CT 20 (and AR)	Fiberglass 3 tab shingle
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Refer to current Miami-Dade NOA.		**Certification Agency Ce** **Installation Instruction** Verified By:
250.4	Grand Manor Shangle	Fiberglass laminated shin
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Refer to current Miami-Dade NOA.		**Certification Agency Ce** **Installation Instruction** Verified By:
250.5	Hatteras	Fiberglass 4 tab shingle
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Refer to current Miami-Dade NOA.		**Certification Agency Ce** **Installation Instruction** Verified By:
250.6	Landmark 30 (and AR)	Fiberglass laminated shin
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Refer to current Miami-Dade NOA.		**Certification Agency Ce** **Installation Instruction** Verified By:
250.7	Landmark 40 (and AR)	Fiberglass laminate shingl
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Refer to current Miami-Dade NOA.		**Certification Agency Ce** **Installation Instruction** Verified By:
250.8	Landmark 50 (and AR)	Fiberglass laminated shin
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Refer to current Miami-Dade NOA.		**Certification Agency Ce** **Installation Instruction** Verified By:
250.9	Landmark TL	Fiberglass laminated shin
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:**		**Certification Agency Ce** **Installation Instruction** Verified By:

Impact Resistant: **Design Pressure:** +/- **Other:** Refer to current Miami-Dade NOA.		
250.10	Patriot AR	Fiberglass 3 tab shingle
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Refer to current Miami-Dade NOA.		**Certification Agency Ce** **Installation Instruction** Verified By:
250.11	Presidential Shake (and AR)	Fiberglass architectural sh
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Refer to current Miami-Dade NOA.		**Certification Agency Ce** **Installation Instruction** Verified By:
250.12	Presidential Shake TL	Fiberglass architectural sh
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Refer to current Miami-Dade NOA.		**Certification Agency Ce** **Installation Instruction** Verified By:
250.13	Presidential Shake TL AR	Fiberglass architectural sh
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Refer to current Miami-Dade NOA.		**Certification Agency Ce** **Installation Instruction** Verified By:
250.14	XT 25 (and AR)	Fiberglass 3 tab shingle
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Refer to current Miami-Dade NOA.		**Certification Agency Ce** **Installation Instruction** Verified By:
250.15	XT 30 (and AR)	Fiberglass 3 tab shingle
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** Refer to current Miami-Dade NOA.		**Certification Agency Ce** **Installation Instruction** Verified By:

Back Next

DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

Product Approval Accepts:

THERMA-TRU DOORS

Door Designer

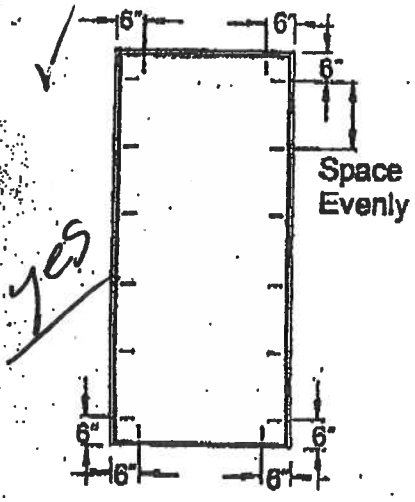
System Summary:

Product Line :
Smooth-Star Embossed Panel
Glass Style :
Crystalline, Brushed Nickel Caming
Door Style :
S900-1C
Sidelite Style :
S916SL-1C
Transom Style :
None

Door Height/Width :
3'0" x 6'8"
Sidelite Height/Width :
12" x 6'8"
Number of Sidelites :
Two

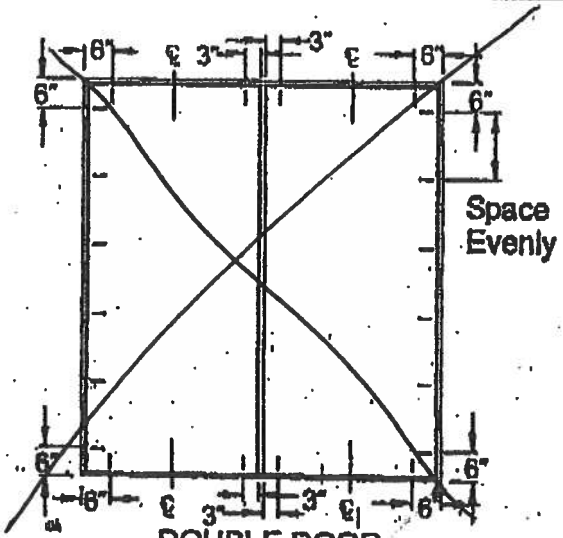
Stain :

Paint :
Burgundy

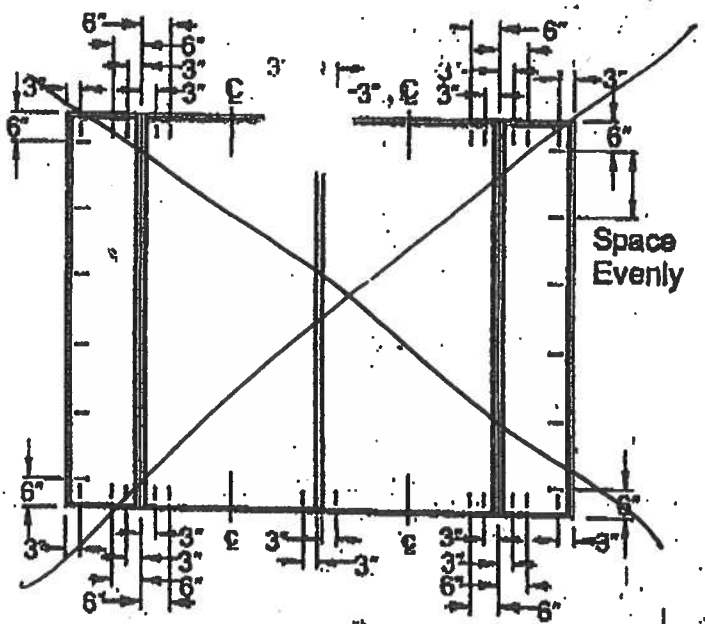


yes

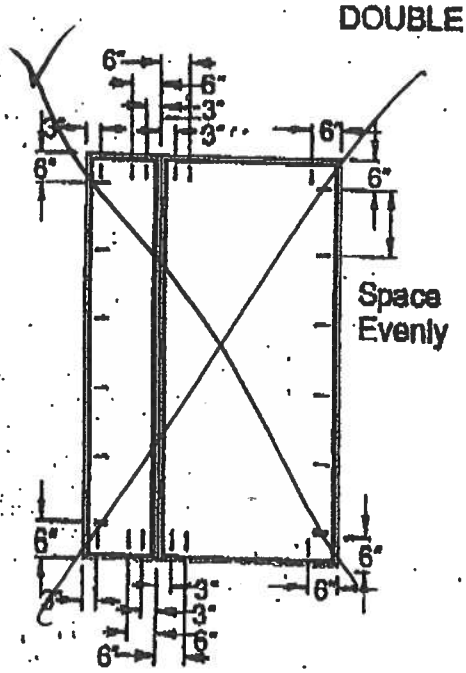
SINGLE DOOR



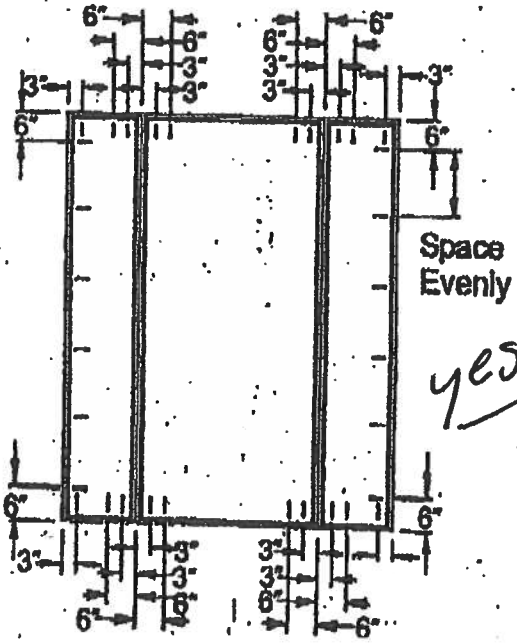
DOUBLE DOOR



DOUBLE DOOR W/SIDELITES



SINGLE DOOR W/SIDELITE



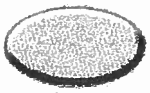
yes

window&glass options

Add a touch of elegance to the outside of your home with the addition of decorative window & glass options from C.H.I. Our glass options are designed to enhance the natural beauty of your exterior while adding to the value of your home.

Color Selections*


White


Almond


Sandstone


Brown

PANEL CONSTRUCTION

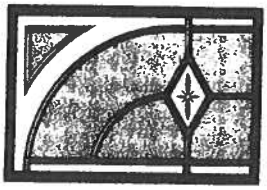
Chosen for its weather resistant feature, the tongue and groove design was engineered to ensure a secure fit while strengthening the structural integrity of the door.

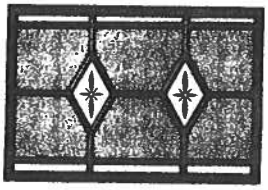
2250/4250
Uninsulated.

2251/4251
1 3/8" Polystyrene insulation with a vinyl back.

2255/4255
9/16" Polystyrene insulation with a vinyl back.

Designer Lites**


V-Groove Sunburst


V-Groove Diamond


V-Groove Cathedral


Hawthorne Long


Hawthorne Short


Somerset Long


Somerset Short

***Note:** Hawthorne and Somerset glazing options are transparent.*

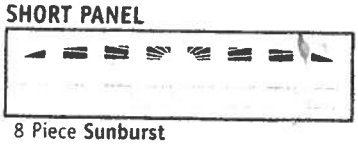
MODEL
❑ 2250 ❑ 4250 ❑ 2251 ❑ 4251 ❑ 2255 ❑ 4255 **WIDTH** _____ x **HEIGHT** _____

NOTES _____

TOTAL $ _____

Standard Window Design Trims

SHORT PANEL

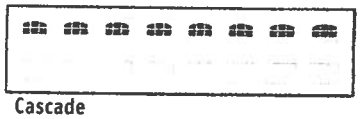

8 Piece **Sunburst**


2-4 Piece **Sunburst**


Cathedral


Sherwood


Stockton


Cascade

LONG PANEL

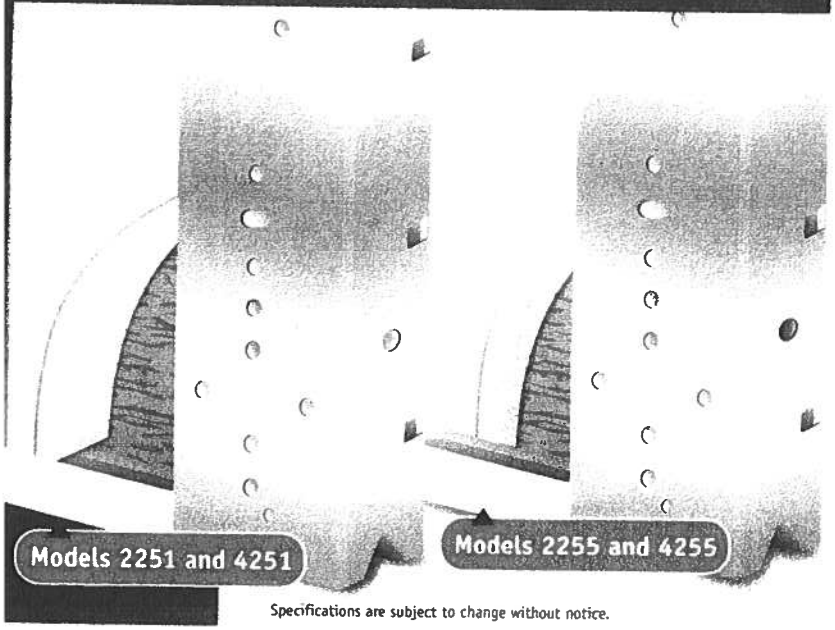

4 Piece **Sunburst**


2-2 Piece **Sunburst**


Sherwood


Stockton


Cascade



Specifications are subject to change without notice.

C.H.I. Doors Distributed by:

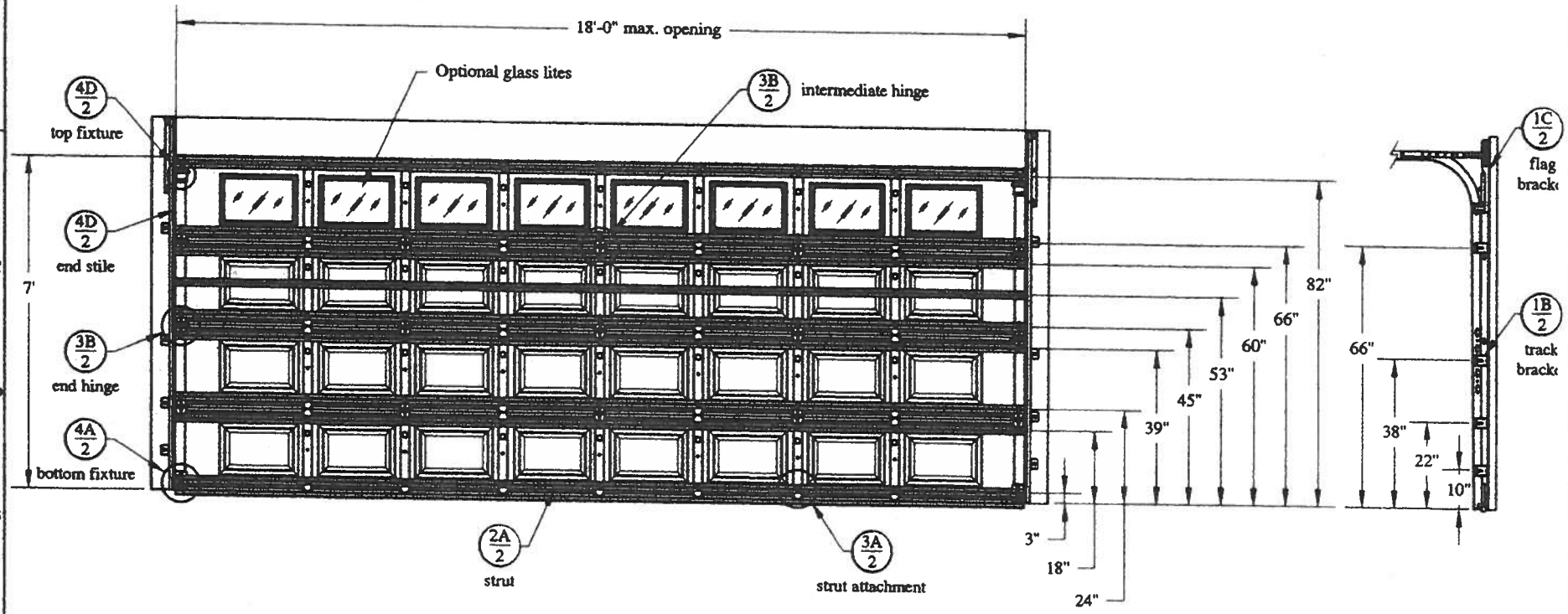
See your distributor for information about C.H.I.'s **Limited Lifetime Warranty.**
C.H.I. doors are manufactured in Arthur, Illinois, USA.

* Refer to samples at your local C.H.I. Distributor for exact color match.

** For all available window options, please see our Glass Options Brochure, or visit your C.H.I. Distributor.

C.H.I. OVERHEAD DOORS
1485 SUNRISE DRIVE, ARTHUR, IL 61911
www.chiohd.com

2250/2251 25 (.0185) gauge
2240/2241 24 (.0225) gauge
5240/5241 24 (.0225) gauge



If door is not electrically operated, a lock must be installed on either side of the section.

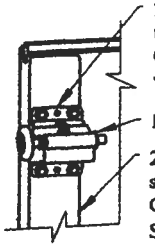
Preparation of jambs by others. Supporting structural elements shall be capable of holding windload shown on this drawing.

Design Load: 30 pos / 33.5 neg
Test Load: 45 pos / 50.3 neg
page 1 of 2

Professional Engineer's seal provided only for verification of windload construction details

John E. Scates, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. # 51737

C.H.I.	SCALE nts
	DATE 8-15-2005
Model 2250/51 (18'-0" wide)	
C.H.I. Drawing: Z6-1807-01000	



14 gauge (.070) galvanized steel top fixture manufactured by C.H.I. Each fixture attached with four 1/4" x 3/4" screws.

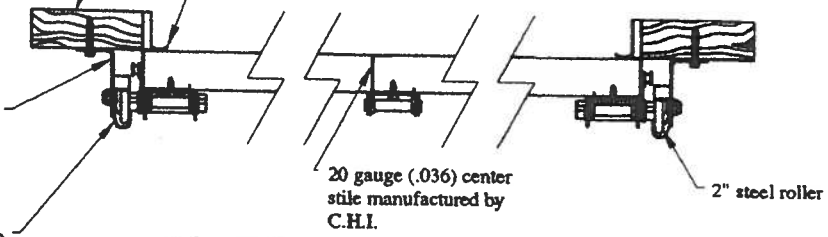
push nut

20 gauge (.036) end stile manufactured by C.H.I.

Strut, if applicable, not shown for clarity.

The 2x6 vertical wood jambs are to be grade 2 or better Southern Pine. Fasteners may be countersunk to provide a flush mounting surface.

2" x 7/16" (nominal) Stop molding required (not supplied by C.H.I.)



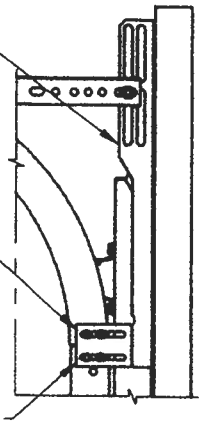
12 gauge (.095) galvanized steel track bracket fastened to wood jamb with one 5/16" x 1-5/8" wood lag screw per bracket.

2" x .051 min. galvanized steel track fastened to track brackets. Each track bracket attached with one 1/4" x 5/8" track bolt and nut.

20 gauge (.036) center stile manufactured by C.H.I.

2" steel roller

Details on some views may have been omitted for clarity.



12 gauge (.086) galvanized steel flag bracket fastened to wood jamb with three 5/16" x 1-5/8" wood lag screws.

Flag bracket attached to horizontal track with two 1/4" x 5/8" track bolts and nuts.

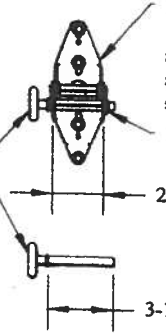
Flag bracket attached to vertical track with two 1/4" x 5/8" track bolts and nuts.

End Hinge

14 gauge (.069) galvanized steel end hinge fastened to section with four 1/4" x 3/4" screws.

push nut

2" steel track roller.

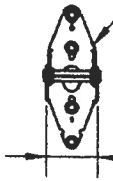


2 3/4"

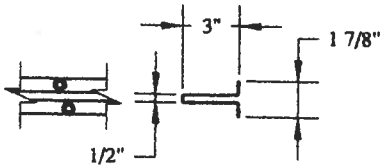
3-1/2" (min.) stem3 1/2"

Intermediate Hinge

18 gauge (.047) galvanized steel intermediate hinge fastened to section with four 1/4" x 3/4" screws.



2 3/4"

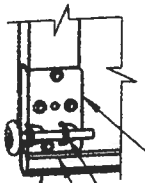


3"

1 7/8"

1/2"

18 gauge (.047) 50 ksi galvanized steel 3" strut attached with two 1/4" x 3/4" screws per stile or hinge plate.

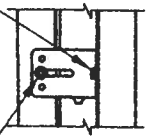


Vinyl weatherstrip

12 gauge (.102) galvanized steel bottom bracket manufactured by C.H.I. Each bracket attached with four red 1/4" x 3/4" screws.

push nut

Aluminum extrusion



12 gauge (.095) galvanized steel track bracket fastened to wood jamb with one 5/16" x 1-5/8" wood lag screw per bracket.

Each track bracket attached with one 1/4" x 5/8" track bolt and nut. Or two 1/4" x 11/32" rivets.

Design Load: 30 pos / 33.5 neg
Test Load: 45 pos / 50.3 neg
page 2 of 2

Professional Engineer's seal provided only for verification of windload construction details

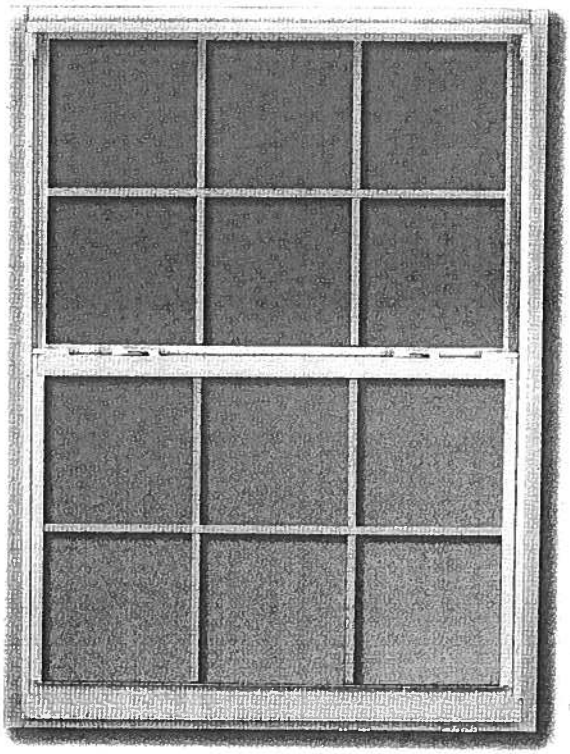
John E. Scates, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. # 51737

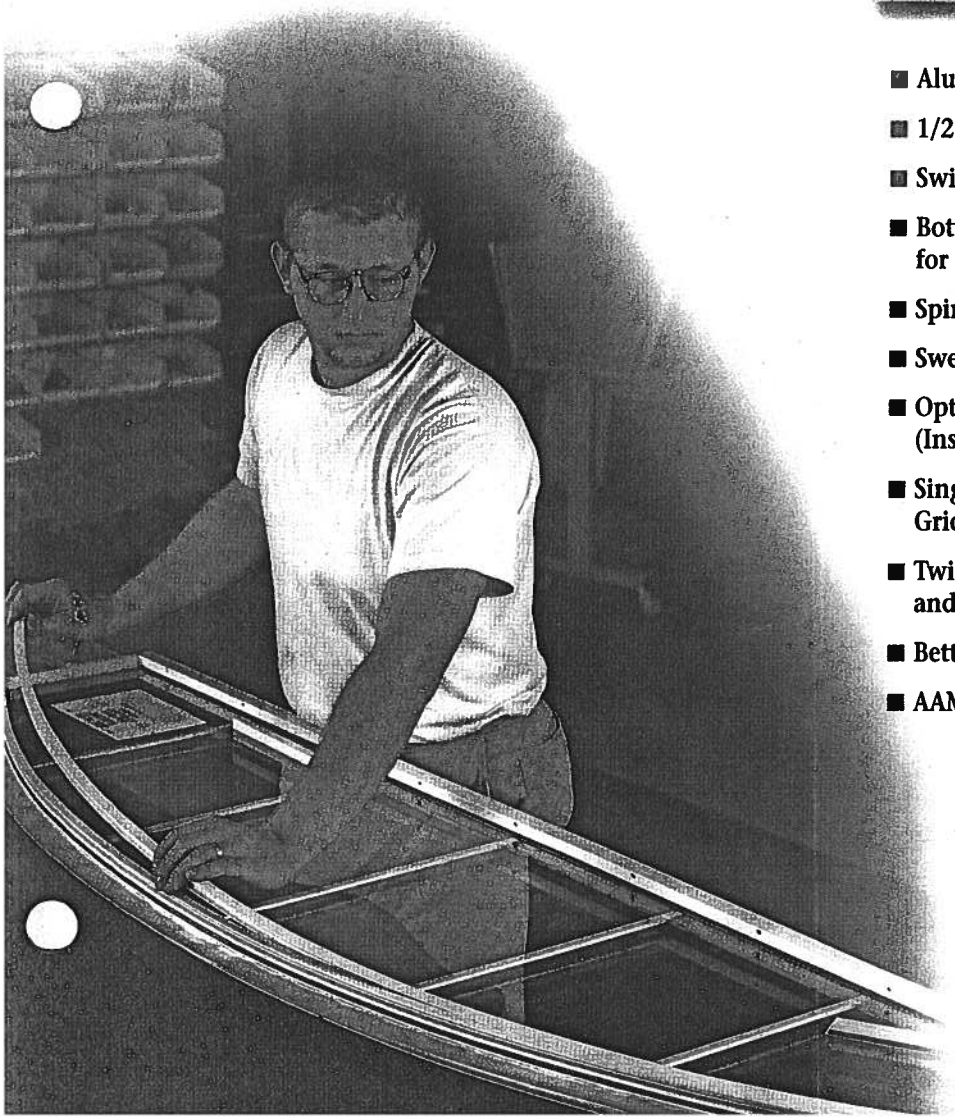
C.H.I.	scale nts
	date 8-15-2005
Model 2250/51 (18'-0" wide)	
C.H.I. Drawing: Z6-1807-01000	

SERIES

740

Insulated Single Hung Aluminum Windows





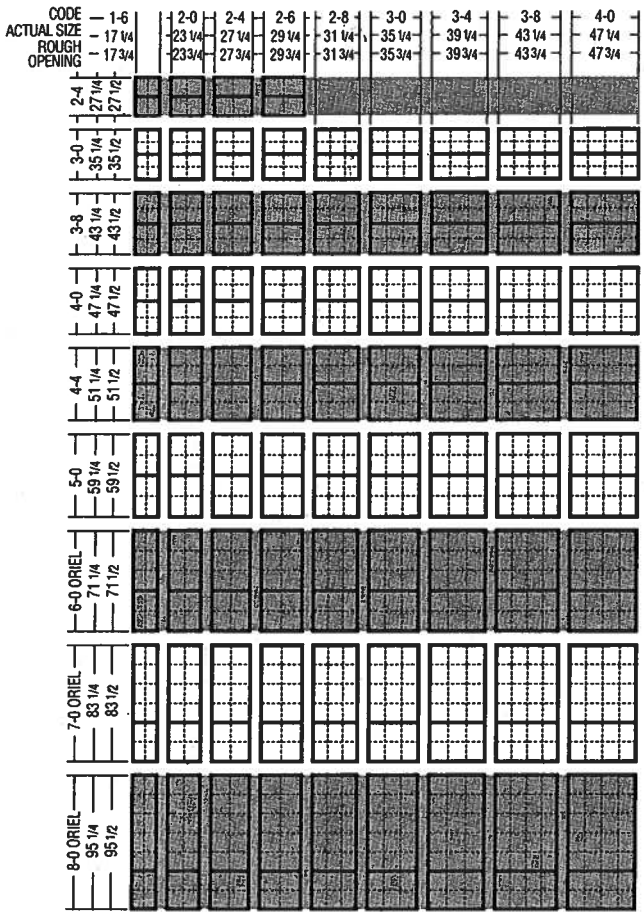
- Aluminum Single Hung Window
- 1/2" Insulated Glass
- Swiggle® Seal Glass Spacer System
- Bottom Sash Tilts, Top Sash Removable for Drywall Pass-Through
- Spiral Balances
- Sweep Lock System at Meeting Rail
- Optional Decorative Grids Between the Glass (Insulated Glass Units)
- Single Glazed Available with Snap-In Grid System
- Twin and Triple Units in One Continuous Header and Sill Frame
- BetterBilt 10 Year Limited Warranty
- AAMA Labeled and NFRC Certified

BetterBilt®
DOORS AND WINDOWS

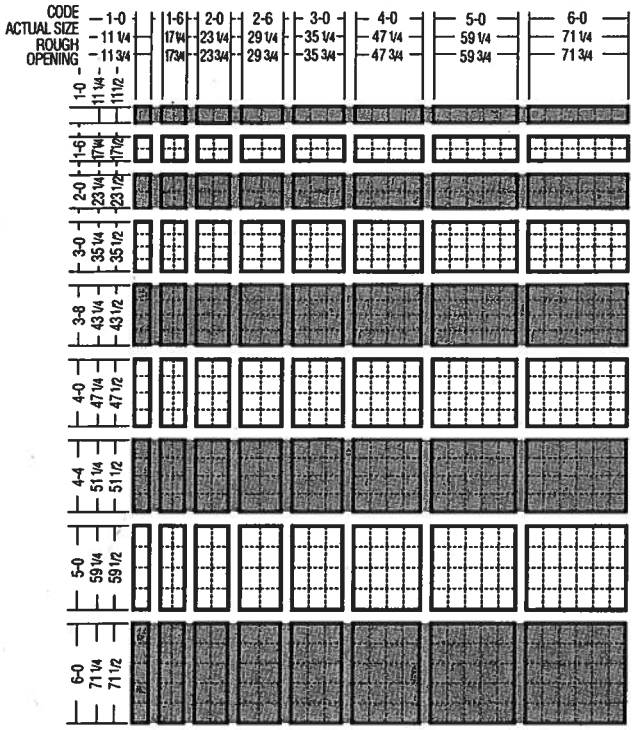
SERIES

740 Insulated Single Hung Aluminum Windows

SINGLE HUNG WINDOW SIZES

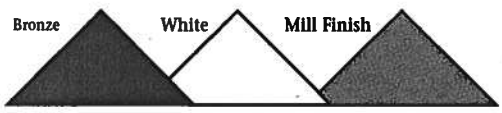


PICTURE WINDOW SIZES



Also available: Series 744 High Performance Window with DH-R50 Rating

Colors



AAMA MEMBER

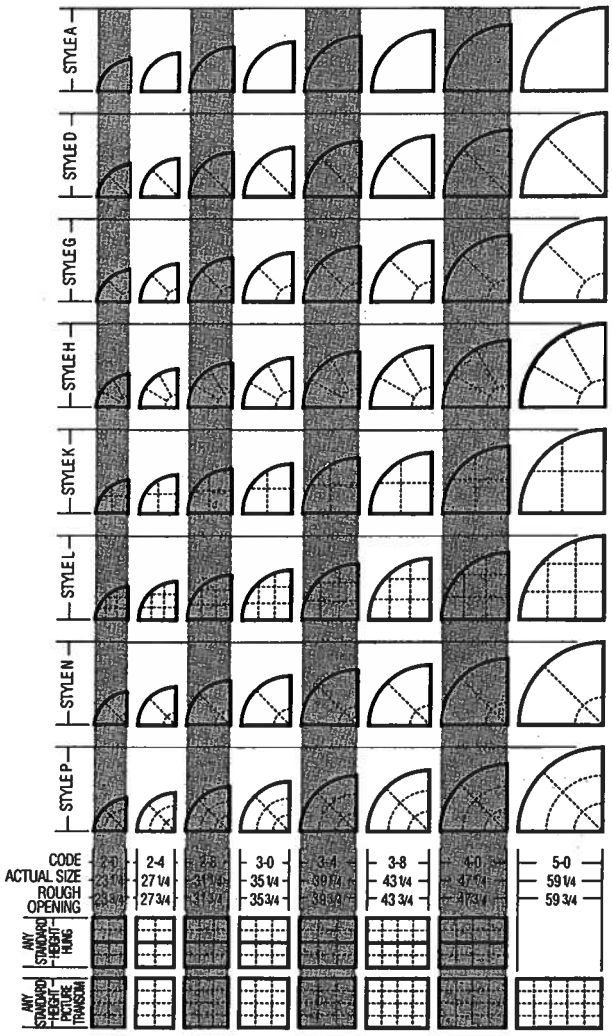
QUALITY CONTROL & TESTING
AAMA CERTIFICATION PROGRAM
ACCREDITED BY: AMERICAN NATIONAL STANDARDS INSTITUTE
Validator: ALI® CODE: BB-1

NFRC National Fenestration Rating Council CERTIFIED

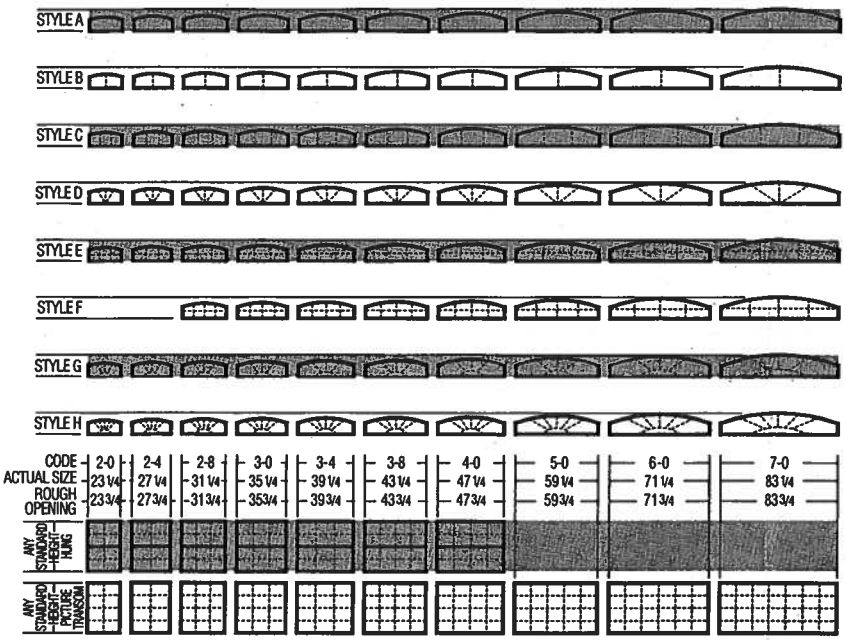
energy star

Some products may require special glazing options to meet certain Energy Star criteria. Contact your sales representative for more information.

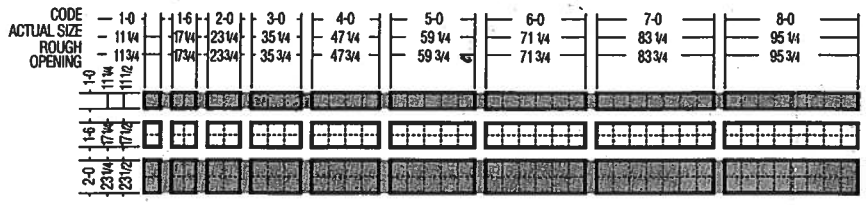
QUARTER CIRCLE WINDOW SIZES



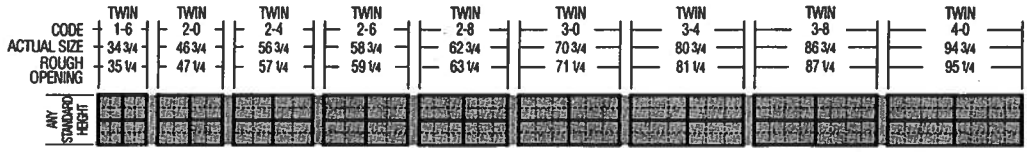
EYEBROW WINDOW SIZES



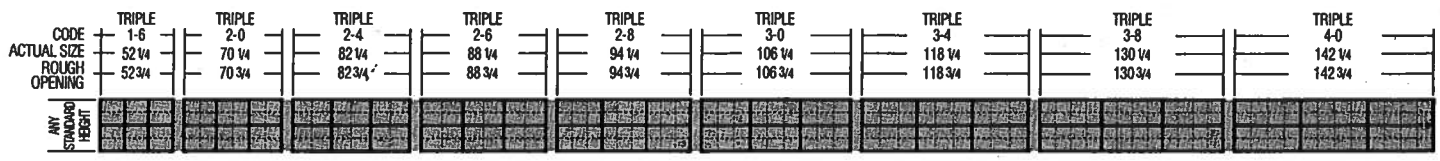
TRANSOM WINDOW SIZES



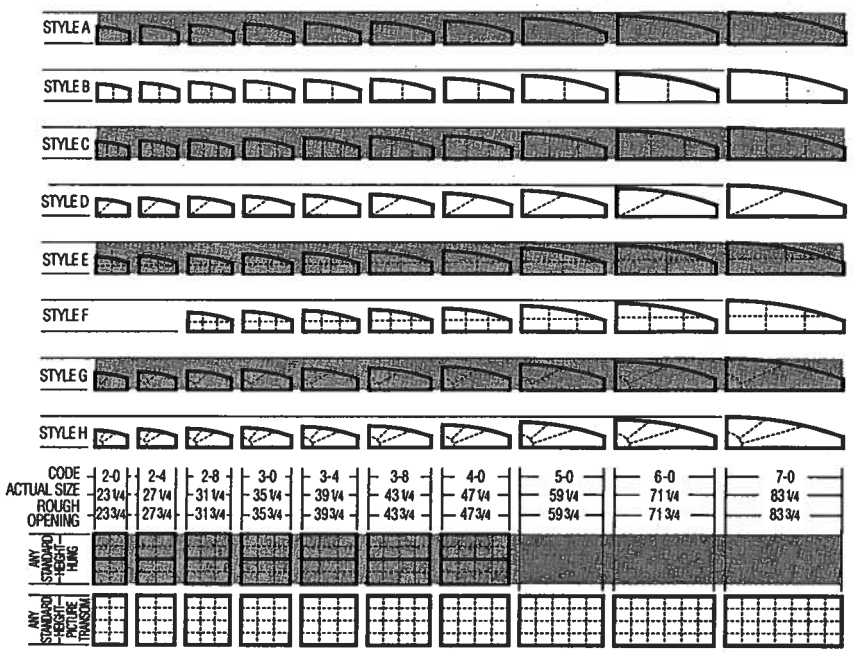
TWIN SINGLE HUNG UNIT SIZES



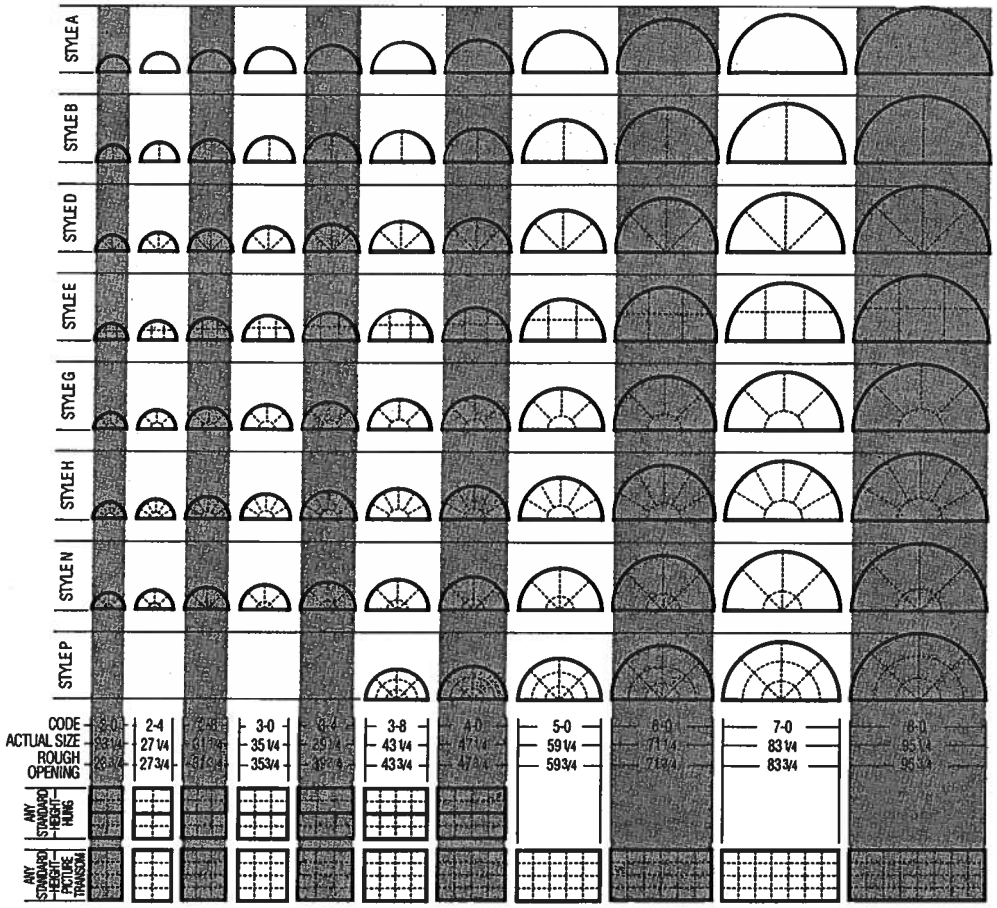
TRIPLE SINGLE HUNG UNIT SIZES



HALF EYEBROW WINDOW SIZES



CIRCLE TOP WINDOW SIZES



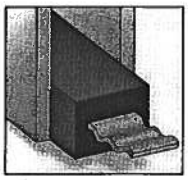
Swiggle® Seal Glass Spacer System

Swiggle Seal is a revolutionary seal system which works two ways to prevent condensation and the transference of heat and cold between panes of glass:

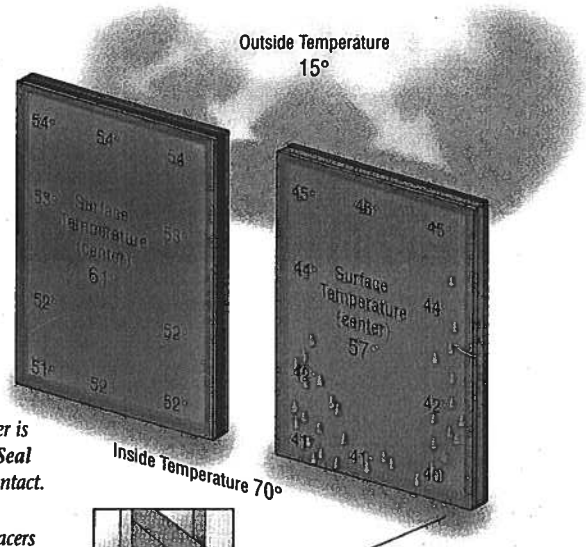
1 The advanced seal uses a specially formulated desiccant to actually absorb stray moisture and prevent damaging condensation.

2 A corrugated aluminum spacer is completely surrounded by the seal, eliminating the conductive metal to glass contact that causes traditional windows to lose much of their insulating properties.

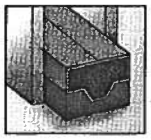
You'll enjoy a clearer view and less energy loss with BetterBilt windows using Swiggle Seal.



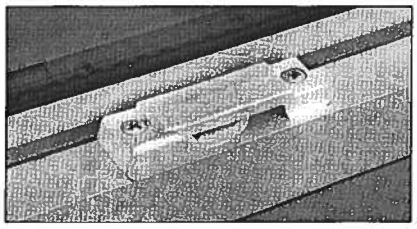
*A corrugated aluminum spacer is encapsulated in the **Swiggle Seal** to eliminate glass to metal contact.*



Traditional aluminum spacers directly contact the glass and allow heat and cold to be conducted through the window.

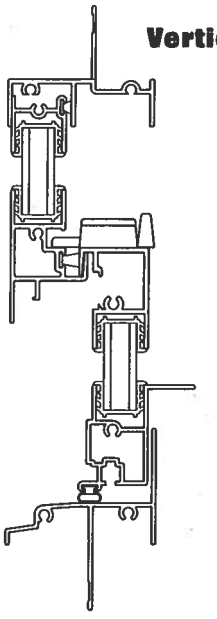


Bottom sash tilts for easy cleaning.

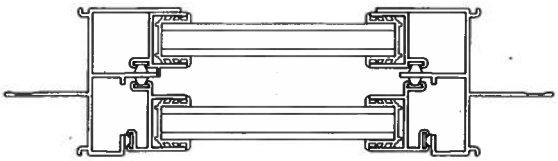


Two sweep locks at the meeting rail provide extra security.

Vertical Detail

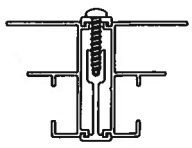


Horizontal Detail



Mullion Available

TWO PIECE MULL SYSTEM
INTERIOR-558, EXTERIOR-557, #10 x 1" SCREW
1/4" ADD ON



SINGLE HUNG OPENING SPECIFICATIONS

CODE SIZE	ACTUAL WINDOW SIZE	SASH RAISED Clear Opening Sq. Ft.	SASH RAISED Clear Opening Width x Height	SCREEN SIZE Width x Height	TOP GLASS SIZE Width x Height	BTM GLASS SIZE Width x Height
1624	17 1/4 x 27 1/4	1.01	14 1/2 x 10 1/16	15 1/8 x 13 7/16	15 x 11 3/4	15 x 11 3/4
1630	17 1/4 x 35 1/4	1.42	14 1/2 x 14 1/16	15 1/8 x 17 7/16	15 x 15 3/4	15 x 15 3/4
1638	17 1/4 x 43 1/4	1.82	14 1/2 x 18 1/16	15 1/8 x 21 7/16	15 x 19 3/4	15 x 19 3/4
1640	17 1/4 x 47 1/4	2.02	14 1/2 x 20 1/16	15 1/8 x 23 7/16	15 x 21 3/4	15 x 21 3/4
1644	17 1/4 x 51 1/4	2.22	14 1/2 x 22 1/16	15 1/8 x 25 7/16	15 x 23 3/4	15 x 23 3/4
1650	17 1/4 x 59 1/4	2.62	14 1/2 x 26 1/16	15 1/8 x 29 7/16	15 x 27 3/4	15 x 27 3/4
1660 Oriel	17 1/4 x 71 1/4	2.54	14 1/2 x 25 3/16	15 1/8 x 29 7/16	15 x 39 3/4	15 x 27 3/4
2024	23 1/4 x 27 1/4	1.43	20 1/2 x 10 1/16	21 1/8 x 13 7/16	21 x 11 3/4	21 x 11 3/4
2030	23 1/4 x 35 1/4	2.00	20 1/2 x 14 1/16	21 1/8 x 17 7/16	21 x 15 3/4	21 x 15 3/4
2038	23 1/4 x 43 1/4	2.57	20 1/2 x 18 1/16	21 1/8 x 21 7/16	21 x 19 3/4	21 x 19 3/4
2040	23 1/4 x 47 1/4	2.86	20 1/2 x 20 1/16	21 1/8 x 23 7/16	21 x 21 3/4	21 x 21 3/4
2044	23 1/4 x 51 1/4	3.14	20 1/2 x 22 1/16	21 1/8 x 25 7/16	21 x 23 3/4	21 x 23 3/4
2050	23 1/4 x 59 1/4	3.71	20 1/2 x 26 1/16	21 1/8 x 29 7/16	21 x 27 3/4	21 x 27 3/4
2060 Oriel	23 1/4 x 71 1/4	3.59	20 1/2 x 25 3/16	21 1/8 x 29 7/16	21 x 39 3/4	21 x 27 3/4
2424	27 1/4 x 27 1/4	1.71	24 1/2 x 10 1/16	25 1/8 x 13 7/16	25 x 11 3/4	25 x 11 3/4
2430	27 1/4 x 35 1/4	2.39	24 1/2 x 14 1/16	25 1/8 x 17 7/16	25 x 15 3/4	25 x 15 3/4
2438	27 1/4 x 43 1/4	3.07	24 1/2 x 18 1/16	25 1/8 x 21 7/16	25 x 19 3/4	25 x 19 3/4
2440	27 1/4 x 47 1/4	3.41	24 1/2 x 20 1/16	25 1/8 x 23 7/16	25 x 21 3/4	25 x 21 3/4
2444	27 1/4 x 51 1/4	3.75	24 1/2 x 22 1/16	25 1/8 x 25 7/16	25 x 23 3/4	25 x 23 3/4
2450	27 1/4 x 59 1/4	4.43	24 1/2 x 26 1/16	25 1/8 x 29 7/16	25 x 27 3/4	25 x 27 3/4
2460 Oriel	27 1/4 x 71 1/4	4.29	24 1/2 x 25 3/16	25 1/8 x 29 7/16	25 x 39 3/4	25 x 27 3/4
2624	29 1/4 x 27 1/4	1.85	29 1/2 x 10 1/16	27 1/8 x 13 7/16	27 x 11 3/4	27 x 11 3/4
2630	29 1/4 x 35 1/4	2.59	29 1/2 x 14 1/16	27 1/8 x 17 7/16	27 x 15 3/4	27 x 15 3/4
2638	29 1/4 x 43 1/4	3.32	29 1/2 x 18 1/16	27 1/8 x 21 7/16	27 x 19 3/4	27 x 19 3/4
2640	29 1/4 x 47 1/4	3.69	29 1/2 x 20 1/16	27 1/8 x 23 7/16	27 x 21 3/4	27 x 21 3/4
2644	29 1/4 x 51 1/4	4.06	29 1/2 x 22 1/16	27 1/8 x 25 7/16	27 x 23 3/4	27 x 23 3/4
2650	29 1/4 x 59 1/4	4.80	29 1/2 x 26 1/16	27 1/8 x 29 7/16	27 x 27 3/4	27 x 27 3/4
2660 Oriel	29 1/4 x 71 1/4	5.16	29 1/2 x 25 3/16	27 1/8 x 29 7/16	27 x 39 3/4	27 x 27 3/4
2830	31 1/4 x 35 1/4	2.78	28 1/2 x 14 1/16	29 1/8 x 17 7/16	29 x 15 3/4	29 x 15 3/4
2838	31 1/4 x 43 1/4	3.57	28 1/2 x 18 1/16	29 1/8 x 21 7/16	29 x 19 3/4	29 x 19 3/4
2840	31 1/4 x 47 1/4	3.97	28 1/2 x 20 1/16	29 1/8 x 23 7/16	29 x 21 3/4	29 x 21 3/4
2844	31 1/4 x 51 1/4	4.37	28 1/2 x 22 1/16	29 1/8 x 25 7/16	29 x 23 3/4	29 x 23 3/4
2850	31 1/4 x 59 1/4	5.16	28 1/2 x 26 1/16	29 1/8 x 29 7/16	29 x 27 3/4	29 x 27 3/4
2860 Oriel	31 1/4 x 71 1/4	4.99	28 1/2 x 25 3/16	29 1/8 x 29 7/16	29 x 39 3/4	29 x 27 3/4
3030	35 1/4 x 35 1/4	3.17	32 1/2 x 14 1/16	33 1/8 x 17 7/16	33 x 15 3/4	33 x 15 3/4
3038	35 1/4 x 43 1/4	4.08	32 1/2 x 18 1/16	33 1/8 x 21 7/16	33 x 19 3/4	33 x 19 3/4
3040	35 1/4 x 47 1/4	4.53	32 1/2 x 20 1/16	33 1/8 x 23 7/16	33 x 21 3/4	33 x 21 3/4
3044	35 1/4 x 51 1/4	4.98	32 1/2 x 22 1/16	33 1/8 x 25 7/16	33 x 23 3/4	33 x 23 3/4
3050	35 1/4 x 59 1/4	5.88	32 1/2 x 26 1/16	33 1/8 x 29 7/16	33 x 27 3/4	33 x 27 3/4
3060 Oriel	35 1/4 x 71 1/4	5.68	32 1/2 x 25 3/16	33 1/8 x 29 7/16	33 x 39 3/4	33 x 27 3/4
3070 Oriel	35 1/4 x 83 1/4	5.68	32 1/2 x 25 3/16	33 1/8 x 29 7/16	33 x 51 3/4	33 x 27 3/4
3080 Oriel	35 1/4 x 95 1/4	5.68	32 1/2 x 25 3/16	33 1/8 x 29 7/16	33 x 63 3/4	33 x 27 3/4
3430	39 1/4 x 35 1/4	3.56	36 1/2 x 14 1/16	37 1/8 x 17 7/16	37 x 15 3/4	37 x 15 3/4
3438	39 1/4 x 43 1/4	4.58	36 1/2 x 18 1/16	37 1/8 x 21 7/16	37 x 19 3/4	37 x 19 3/4
3440	39 1/4 x 47 1/4	5.09	36 1/2 x 20 1/16	37 1/8 x 23 7/16	37 x 21 3/4	37 x 21 3/4
3444	39 1/4 x 51 1/4	5.59	36 1/2 x 22 1/16	37 1/8 x 25 7/16	37 x 23 3/4	37 x 23 3/4
3450	39 1/4 x 59 1/4	6.61	36 1/2 x 26 1/16	37 1/8 x 29 7/16	37 x 27 3/4	37 x 27 3/4
3460 Oriel	39 1/4 x 71 1/4	6.38	36 1/2 x 25 3/16	37 1/8 x 29 7/16	37 x 39 3/4	37 x 27 3/4
3470 Oriel	39 1/4 x 83 1/4	6.38	36 1/2 x 25 3/16	37 1/8 x 29 7/16	37 x 51 3/4	37 x 27 3/4
3480 Oriel	39 1/4 x 95 1/4	6.38	36 1/2 x 25 3/16	37 1/8 x 29 7/16	37 x 63 3/4	37 x 27 3/4
3830	43 1/4 x 35 1/4	3.96	40 1/2 x 14 1/16	41 1/8 x 17 7/16	41 x 15 3/4	41 x 15 3/4
3838	43 1/4 x 43 1/4	5.08	40 1/2 x 18 1/16	41 1/8 x 21 7/16	41 x 19 3/4	41 x 19 3/4
3840	43 1/4 x 47 1/4	5.64	40 1/2 x 20 1/16	41 1/8 x 23 7/16	41 x 21 3/4	41 x 21 3/4
3844	43 1/4 x 51 1/4	6.21	40 1/2 x 22 1/16	41 1/8 x 25 7/16	41 x 23 3/4	41 x 23 3/4
3850	43 1/4 x 59 1/4	7.33	40 1/2 x 26 1/16	41 1/8 x 29 7/16	41 x 27 3/4	41 x 27 3/4
3860 Oriel	43 1/4 x 71 1/4	7.08	40 1/2 x 25 3/16	41 1/8 x 29 7/16	41 x 39 3/4	41 x 27 3/4
3870 Oriel	43 1/4 x 83 1/4	7.08	40 1/2 x 25 3/16	41 1/8 x 29 7/16	41 x 51 3/4	41 x 27 3/4
3880 Oriel	43 1/4 x 95 1/4	7.08	40 1/2 x 25 3/16	41 1/8 x 29 7/16	41 x 63 3/4	41 x 27 3/4
4030	47 1/4 x 35 1/4	4.35	44 1/2 x 14 1/16	45 1/8 x 17 7/16	45 x 15 3/4	45 x 15 3/4
4038	47 1/4 x 43 1/4	5.58	44 1/2 x 18 1/16	45 1/8 x 21 7/16	45 x 19 3/4	45 x 19 3/4
4040	47 1/4 x 47 1/4	6.20	44 1/2 x 20 1/16	45 1/8 x 23 7/16	45 x 21 3/4	45 x 21 3/4
4044	47 1/4 x 51 1/4	6.82	44 1/2 x 22 1/16	45 1/8 x 25 7/16	45 x 23 3/4	45 x 23 3/4
4050	47 1/4 x 59 1/4	8.05	44 1/2 x 26 1/16	45 1/8 x 29 7/16	45 x 27 3/4	45 x 27 3/4
4060 Oriel	47 1/4 x 71 1/4	7.78	44 1/2 x 25 3/16	45 1/8 x 29 7/16	45 x 39 3/4	45 x 27 3/4
4070 Oriel	47 1/4 x 83 1/4	7.78	44 1/2 x 25 3/16	45 1/8 x 29 7/16	45 x 51 3/4	45 x 27 3/4
4080 Oriel	47 1/4 x 95 1/4	7.78	44 1/2 x 25 3/16	45 1/8 x 29 7/16	45 x 63 3/4	45 x 27 3/4

BetterBilt DOORS AND WINDOWS

BetterBilt Doors & Windows
East Region: 704 12th Avenue • Smyrna, TN 37167 • 1-800-545-5413 • Fax: 1-800-255-8106
West Region: 7555 East Highway 69 • Prescott Valley, AZ 86314 • 1-800-468-0304 • Fax: 1-800-635-2718
www.mihomeproducts.com
A division of

MI HOME PRODUCTS

- PRIME ALUMINUM WINDOWS -

INSTALLATION INSTRUCTIONS FOR "NAIL FIN" PRODUCTS

MI Home Products appreciates your recent purchase of a maintenance free prime window, which will not rust, rot, mildew, or warp. This is a quality product that left our factory in good condition – proper handling and installation are just as important as good design and workmanship. Please follow these recommendations to allow this product to complete its function.

1. Handle units one at a time in the closed and locked position and take care not to scratch frame or glass or to bend the nailing fin.

2. Set unit plumb and square into opening and make sure that there is 3/16" ± 1/16" clearance around the frame. Fasten unit into opening in the closed and locked position, making sure that fasteners are screwed in straight in order to avoid twisting or bowing of the frame. Make sure that sill is straight and level. Check operation of unit before any and all fasteners are set.

3. Use # 8 sheet metal or wood screws with a minimum of 1" penetration into the framing (stud). Place first screws (two at each corner) 3" from end of fin. For positive and negative DPs (design pressures) up to 35, do not exceed 24" spacing of additional screws. For DPs from 35.1 to 50, do not exceed 18". Install load bearing shim adjacent to each anchor. Use shim where space exceeds 1/16".

4. Flash over head and caulk outside perimeter in accordance with code requirements and good installation practices.

5. Fill voids between frame and construction with loose batten type insulation or <u>non-expanding</u> aerosol foam specifically formulated for windows and doors to eliminate drafts. The use of <u>expanding</u> aerosol type insulating foam, which can bow the frame, waives all stated warranties.

6. Remove plaster, mortar, paint and any other debris that may have collected on the unit and make sure that sash/vent tracks and interlocks are also clear. Do not use abrasives, solvents, ammonia, vinegar, alkaline, or acid solutions for clean-up, especially with insulated glass units as their use could cause chemical breakdown of the glass seal. Take care not to scratch glass; scratches severely weaken glass and it could eventually break from thermal expansion and contraction. Clean units with water and mild detergent as you would you automobile.

- CAUTION -

MI Home Products or its representatives are unable to control and cannot assume responsibility for the selection and placement of their products in a building or structure in a manner required by laws, statutes, and/or building codes. The purchaser is solely responsible for knowledge of and adherence to the same. MI Home Products window products are not provided with safety glazing unless specifically ordered with such. Many laws and codes require safety glazing near doors, bathtubs, and shower enclosures. Also be aware of emergency egress code requirements.

Corporate Headquarters:
350 West Market St.
Gratz, PA 17030-0370
(717) 365-3300

MANUEL MARTINEZ CERTIFICATE NO. 47193 STATE OF FLORIDA
02-20-02

BetterBilt Nail Fin Alum Windows.pdf
PTID_5418_I_Installation instructions - BetterBilt Nail Fin Vinyl Windows.pdf
PTID_5418_I_Installation instructions - Capitol Nail Fin Alum Windows.pdf
PTID_5418_I_Installation instructions - Capitol Nail Fin Vinyl Windows.pdf

Product Approval Method: Method 1 Option A

Application Status: Approved
Date Validated: 10/14/2005
Date Approved: 10/17/2005
Date Certified to the 2004 Code:

Page: Go

App/Seq #	Product Model # or Name	Model Description	Limits of Use
5418.1	165 Fin Frame	72x72 Single Glazed 3/16" Tempered	C-35 DP -47.2 Per manufacturers installation instructions.
5418.2	165 Fin Frame	71x71 Single Glazed DSB Tempered	R-45 DP -47.2 Per manufacturers installation instructions.
5418.3	165 Fin Frame	59x72 Insulated 3/16" Annealed	R-45 DP -47.2 Per manufacturers installation instructions.
5418.4	165 Flange Frame	59x72 Insulated 3/16" Annealed	R-45 DP -47.2 Per manufacturers installation instructions.
5418.5	165/3000 Flange Beveled Frame	72x72 Single Glazed 3/16" Tempered	C-45 DP -47.2 Per manufacturers installation instructions.
5418.6	4300/4340 Fin Frame	60x72 DSB Annealed	LC-45 DP -50 Per manufacturers installation instructions.
5418.7	4300/4340 Fin Frame	48x48 SSB Annealed	LC-60 DP -60 Per manufacturers installation instructions.
5418.8	4300/4340 Fin Frame	65x84 DSB Annealed	LC-30 DP -35 Per manufacturers installation instructions.
5418.9	650 Flange Frame	60x80 Insulated 3/16" Annealed	R-45 DP -47.2 Per manufacturers installation instructions.
5418.10	740 Fin Frame	59x72 Insulated 3/16" Annealed	R-45 DP -47.2 Per manufacturers installation instructions.
5418.11	740 Fin Frame	71x71 Single Glazed DSB Tempered	R-45 DP -47.2 Per manufacturers installation instructions.
5418.12	740 Flange Frame	59x72 Insulated 3/16" Annealed	R-45 DP -47.2 Per manufacturers installation instructions.

5418.13	740 Flange Frame	71x71 Insulated DSB Tempered	R-35 DP -45.3 Per manufacturers installation instructions.
5418.14	740 Flange Frame	59x72 Insulated 3/16" Annealed	R-45 DP -47.2 Per manufacturers installation instructions.
5418.15	740/3740 Flange Frame	109x53 Single Glazed DSB Tempered	R-40 DP -40 Per manufacturers installation instructions.
5418.16	8500 Fin Frame	65x84 Insulated DSB Annealed	R-30 DP -40 Per manufacturers installation instructions.
5418.17	8500/1250 Finless Frame	72x96 Insulated DSB Tempered	R-30 DP -35 Per manufacturers installation instructions.
5418.18	8500/1250 Finless Frame	62x80 Insulated DSB Annealed	R-45 DP -45 Per manufacturers installation instructions.
5418.19	8500/1250 Finless Frame	48x48 Insulated DSB Annealed	R-65 DP -70 Per manufacturers installation instructions.
5418.20	Insight Series	62x63 Insulated DSB Annealed	R-25 DP -34.7 Per manufacturers installation instructions.

Next

Hung Windows.pdf
PTID_5438_I_Installation instructions - BetterBilt Nail Fin Alum Windows.pdf
PTID_5438_I_Installation instructions - BetterBilt Nail Fin Vinyl Windows.pdf
PTID_5438_I_Installation instructions - Capitol Nail Fin Alum Windows.pdf
PTID_5438_I_Installation instructions - Capitol Nail Fin Vinyl Windows.pdf

Product Approval Method: Method 1 Option A

Application Status: Approved
Date Validated: 10/14/2005
Date Approved: 10/17/2005
Date Certified to the 2004 Code:

Page: Go |< < Page 2 / 2

App/Seq #	Product Model # or Name	Model Description	Limits of Use
5438.21	740/3740 Fin Frame	52x71 Insulated DSB Annealed	R-45 DP-47.2 Per manufacturers installation instructions.
5438.22	740/3740 Fin Frame	52x71 Single Glazed 3/16" Annealed	R-35 DP-47.2 Per manufacturers installation instructions.
5438.23	740/3740 Fin Frame Oriel	52x71 Single Glazed 3/16" Annealed	R-35 DP-47.2 Per manufacturers installation instructions.
5438.24	740/3740 Fin Frame Oriel	47x89 Single Glazed 3/16" Annealed	R-35 DP-47.2 Per manufacturers installation instructions.
5438.25	740/3740 Fin Frame Oriel	39x90 Single Glazed 3/16" Annealed Sash / DSB Tempered Fixed	R-35* DP-47.2 Per manufacturers installation instructions.
5438.26	740/3740 Flange Frame	52x71 Single Glazed DSB Tempered	R-45 DP-47.2 Per manufacturers installation instructions.
5438.27	740/3740 Flange Frame	52x71 Insulated DSB Annealed	R-45 DP-47.2 Per manufacturers installation instructions.
5438.28	740/3740 Flange Frame	53x72 Single Glazed 3/16" Annealed	R-25 DP-34.7 Per manufacturers installation instructions.
5438.29	740/3740 Flange Frame Oriel	47x89 Single Glazed DSB Tempered	R-35 DP-42.9 Per manufacturers installation instructions.
5438.30	740/3740 Flange Frame Oriel	47x89 Insulated 3/16" Annealed	R-35 DP-42.7 Per manufacturers installation instructions.
	740/3740 Flange Frame	36x88 Insulated 3/16" Annealed	R-35* DP-47.2 Per

Wind Load Analysis and Certification
Smith Residence by Rye Construction

2004 Florida Building Code (Residential) section 1609 according to ASCE 7-02
Basic Wind Speed = 110 MPH
Importance Factor = 1.0
Exposure Category = B
Applicable Internal Pressure Coefficient = .18
Design Wind Pressure for use of External Components = 31.1 psf
Mean Roof Height = 16.5'

Roof Decking
7/16" OSB, 5/8" CDX or ¾" CDX Decking; 48"x96" Sheets, Perpendicular to Roof Framing Members
8d common (.131" dia) nails at 4" O.C. on Ends, 8" O.C. in Interior or 8d (.113") ring shank nail @ 4" O.C. ends, 6" O.C. interior.
Trusses or Rafters at 2' O.C. (horizontal distance), No Intermediate Blocking Required
Rafters: 2x6 SYP #2 up to 10' horizontal span, 2x8 SYP #2 up to14' horizontal span

Shear Wall Segments
7/16" OSB, 48" Wide Sheets Placed Vertical - Sheathing Continuous from Top Plate down to Pressure Treated Sole Plate Bearing on Foundation.
8d common (.131" dia) nails at 3" O.C. on Edges and Ends, 8" O.C. in Interior
Transverse Shearwall = 55', Longitudinal Shearwall = 46'
2x4 SPF (No. 1&2) Studs at 16" O.C., up to 12' wall height
or: 2x6 SPF (No. 1&2) Studs at 16" O.C., up to 18' wall height
See attached detail for stud and jack requirements for wall openings
Nail Together Double Top Plate 6" O.C. w/12-d Common Nails (SYP top plates)
Other Wall Segments - Same as Shear Walls

Gabled End Wall Framing
Balloon Frame (see detail) or see attached alternate details.

Special Notes: No special corner framing required.

Footings and Foundations (Based on Truss Engineering)
20" deep x 14" wide monolithic with 2-#5's, Continuous
or: 20" Wide x 10" Deep 2500 psi Concrete Strip Footing with 2-#5's, Continuous
8"x8"x16" Concrete Masonry Stemwall, Minimum 2 Courses, Maximum 5 Courses, Fully Grouted, except sections over 3 courses need only cells with rebar to be grouted. 1-#5 Vertical Dowel at Corners and 8'-0" O.C. (10" hook top and bottom) (min 25" lap all #5 rebar) **(1) #5 continuous top course. All 4" slabs requires 6x6 WWM**
Interior footers: 16" wide by 10" deep (including 4" slab) with 2-#5's, Continuous,
Porch Footers: see above or: 8" wide by 8" deep bell footing with 1-#5, Continuous with minimum of 24"x24" x 12" pad under each post (w/ 2- #5 each way) or 16" deep x 12" wide monolithic with 2-#5, Cont. with no pads.
Note: footer design based on continuous bearing. Continuous footers (grade beams) for pier foundation systems must be designed by pier foundation subcontractor. Footers for any concentrated loads greater than 10,000 lbs must be reviewed with windload engineer.

Hurricane-Resistance Hardware (Based on Truss Engineering)
Truss Clips/Headers/Girders/Posts/Beams /Top and Bottom of Wall Unit - See Table
Anchor Bolts- A-307 (1/2"Dia. x 8" with min 6" embedment) at 48"O.C. (First bolt at 9" from Corner, then 48" O.C.) and at each end of Each Shearwall Segment (2" round or square washers).

I hereby certify that the accompanying Wind Load Analysis for the **Smith Residence**, demonstrates compliance with the 2004 FBC section 1609 according to ASCE 7-02, to the best of my knowledge.

Frank J. Sapienza Jr.
License Professional Engineer
Florida License Number 48566

HOLD-DOWN TABLE **SmithResidence** **4/1/2007**

Wood Sections	Uplift Force Lbs	Top Connector Simpson **	Rating Lbs	Bottom Connector Simpson **	Rating Lbs
HEADERS					
	up to 455 lbs	LSTA9	775	H3	455
	up to 910 lbs	LSTA12	970	2-H3	910
	up to 1235 lbs	LSTA18	1235	LTT19	1350
	up to 1750 lbs	2-LSTA12	1940	LTT20	1750
	up to 2470 lbs	2-LSTA18	2470	HD2A-2.5	2565
	up to 2775 lbs	3-LSTA18	3705	HD2A-3.5	2775
	up to 3705 lbs	3-LSTA18	3705	HD5A-3	3705

To determine uplift force on header at each end, total the uplifts for each truss resting on the header and divide by 2 (assumes uniform load) Note: must use proper bolt anchors sufficient to support required load

Trusses/Girders -

up to 600 lbs - use H2.5A top, no special device required at bottom
over 600 lbs but under 990 lbs use H10 top, no special device required at bottom
up to 1215 lbs use TS22 or equivalent at top and LTT19 at bottom
up to 1750 lbs use 2-TS22 or equivalent at top and LTT20 at bottom
up to 2430 lbs use 2-TS22 or equivalent at top and HD2A bottom
up to 3645 lbs use 3-TS22 or equivalent at top and HD5A bottom
Must Use proper bolt anchors

Note: it is the contractors responsibility to provide a continuous load path from truss/rafter/ridge beam to foundation

Strap rafters to truss or at each end with min uplift resistance of 450 lbs each end
Strap ridge beam at each end with min uplift resistance of 1800 lbs

Note: Four (4) 12d comm toenails (2 on each side) required per truss/rafter per bearing point into plate to resist both lateral loads (wall to truss) and transverse loads (max plate height =12', not including gable)

Horizontal Resistance (from truss loads) - Note: these devices are in addition to required toe-nails

up to 110 lbs - use H2.5A
up to 525 lbs use H10
up to 1090 lbs use H10 plus A23

Note: hardware to be used must satisfy both uplift and horizontal resistance, combination of devices is acceptable

Note: for combination of loads (uplift and horizontal/lateral) on a single device, the ratio of actual uplift/allowable uplift + actual horizontal load/allowable horizontal cannot exceed 1

	top		bottom	
BEAM SEATS	LSTA18*	1235	LTT19*	1350
POSTS	2-LSTA18	2470	ABU44	2200

*** or per truss engineering** Must Use proper bolt anchors

STUDS

Wall Sheathing Nailing Adequate Exterior Walls bottom (8d nails at 3"O.C.)
Wall Sheathing Nailing Adequate Exterior Walls Top (8d nails at 3"O.C.), as long as sheathing covers top plate, otherwise use SP2 @32" O.C. in addition to sheathing nailing,
Use SP2 top and SP1 bottom each stud an ancor bolts @ 32" O.C. for all interior load bearing walls that have uplift. Interior anchor bolts to be 1/2" x 8" A307 or 1/2" x 6" wedge anchor or equiv.

Please Note: All Beams must be sheathed or strapped to Double Top Plate (if applicable)

**an equivalent device of same or other manufactures can be substituted for any of the devices specified on this page as long as it meets the required load capacities

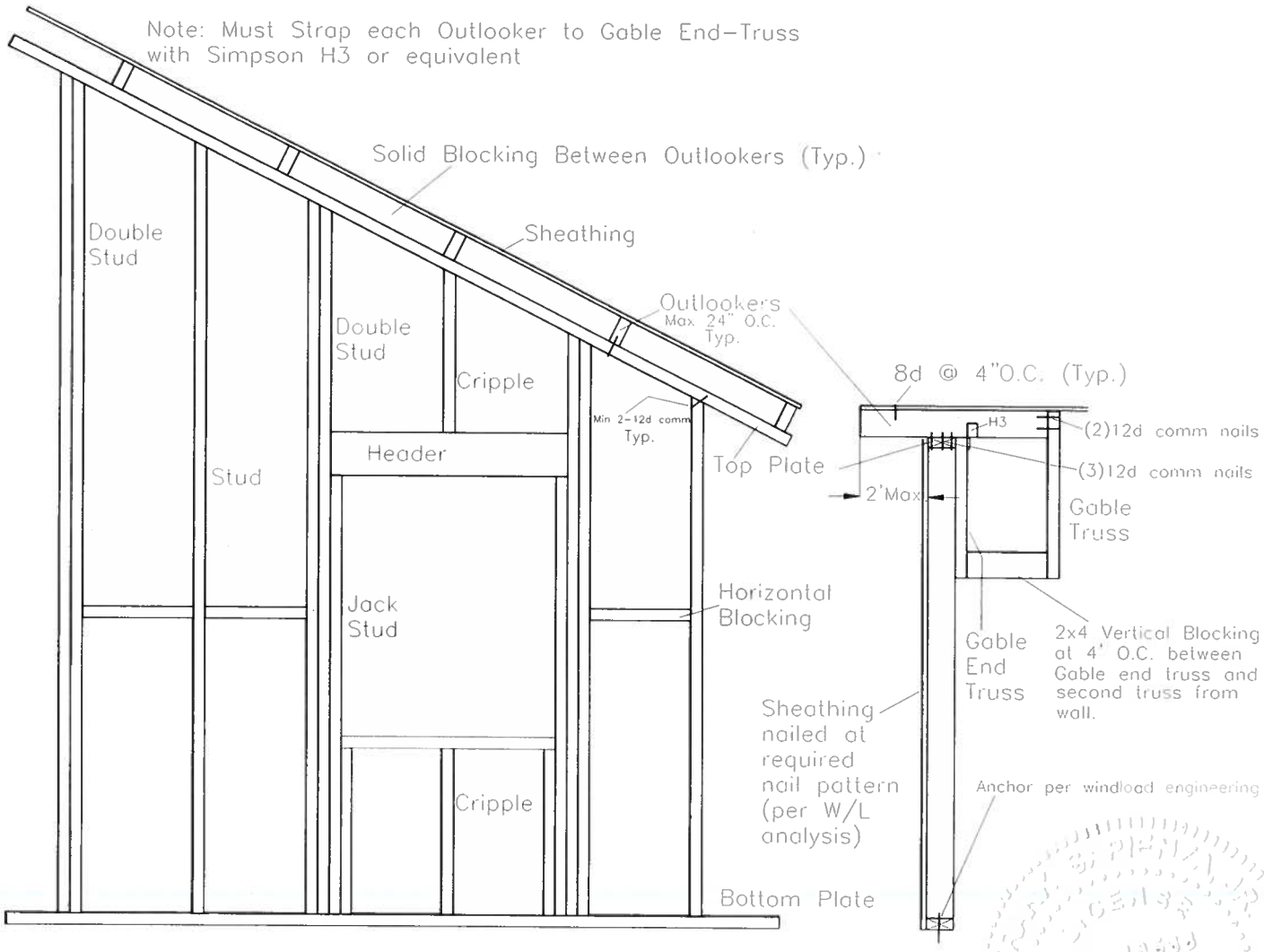
Note: For nailing into SPF members, multiply table values by .86

Acceptable Framing Method for Balloon Framed Gable End–Wall with trusses

Balloon Frame with 2x4 SPF No.1&2 @ 16" O.C. with the Following Conditions:
Up to 12' – Block at 8'
Over 12' but Under 14' – 2x4 SYP #2 at 16" O.C. and Block at 4',8'&12'
Over 14' but Under 17' – Double 2x4 SYP #2 at 16" O.C. and block at 4',8',12'&16'
Over 17' but Under 20' – Triple 2x4 SYP #2 at 16" O.C. and block at 4',8',12'&16'
Over 20' but Under 23' – Quadruple 2x4 SYP #2 at 16" O.C.and block at 4',8',12',16'&20'
Over 23' – Must be Engineered

In all cases a minimum of a double full length stud is required at each side of openings such as doors and windows

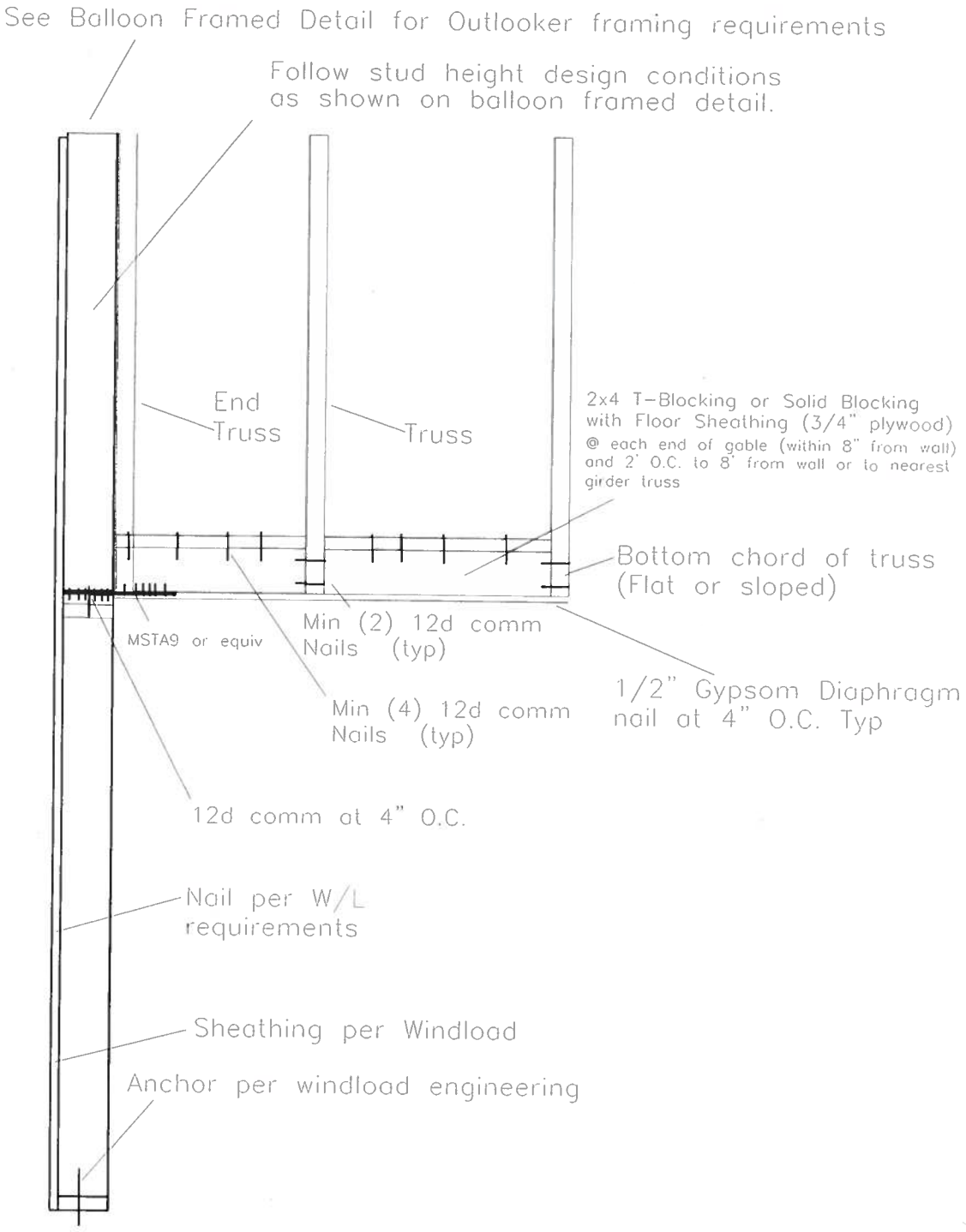
Blocking must be parallel to top and bottom plates with a minimum of 2–12d comm nails



F. Sapienza, P.E. 4/07

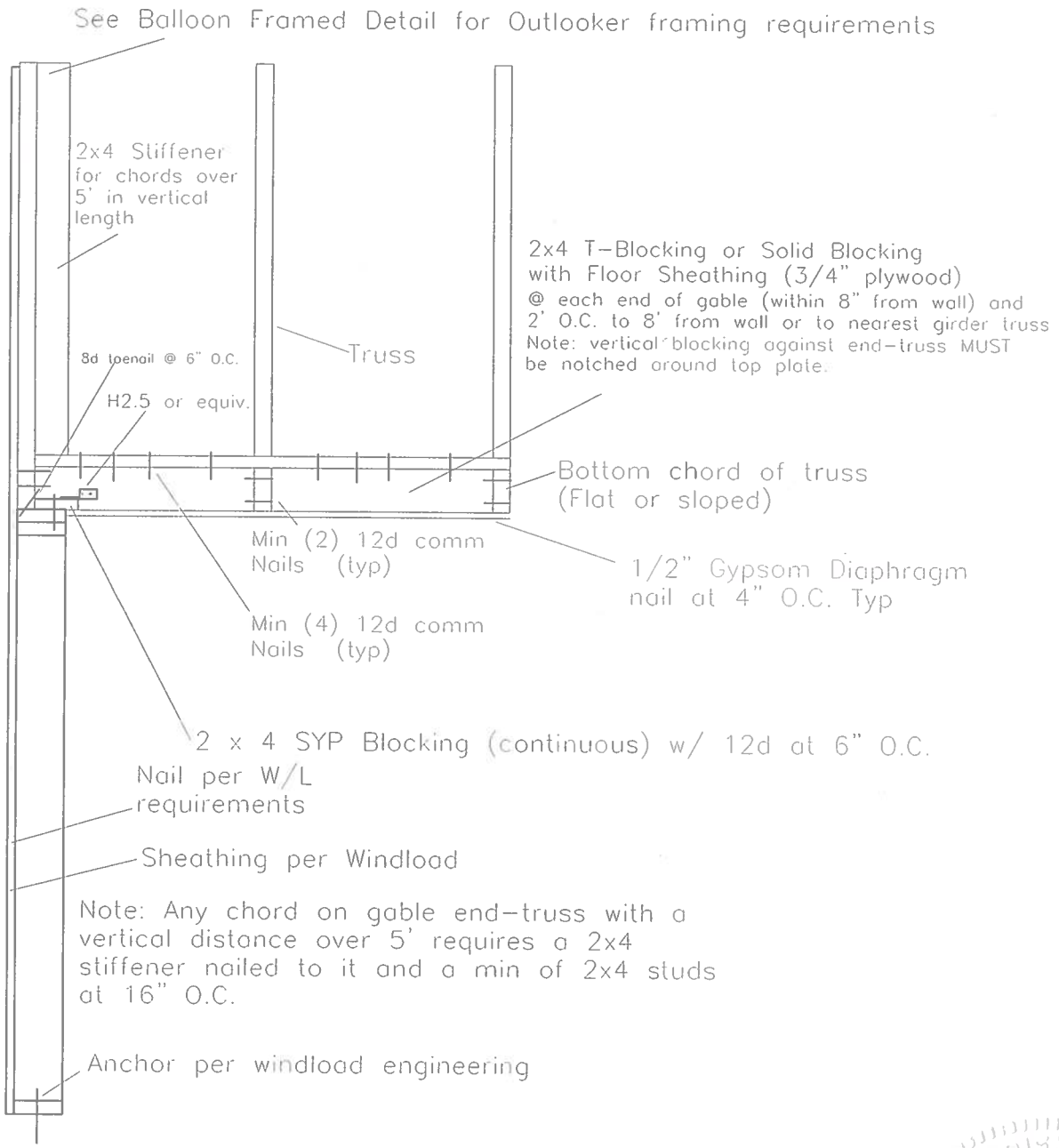
4/1/07

Gable Endwall Framing
with Gable End–Truss



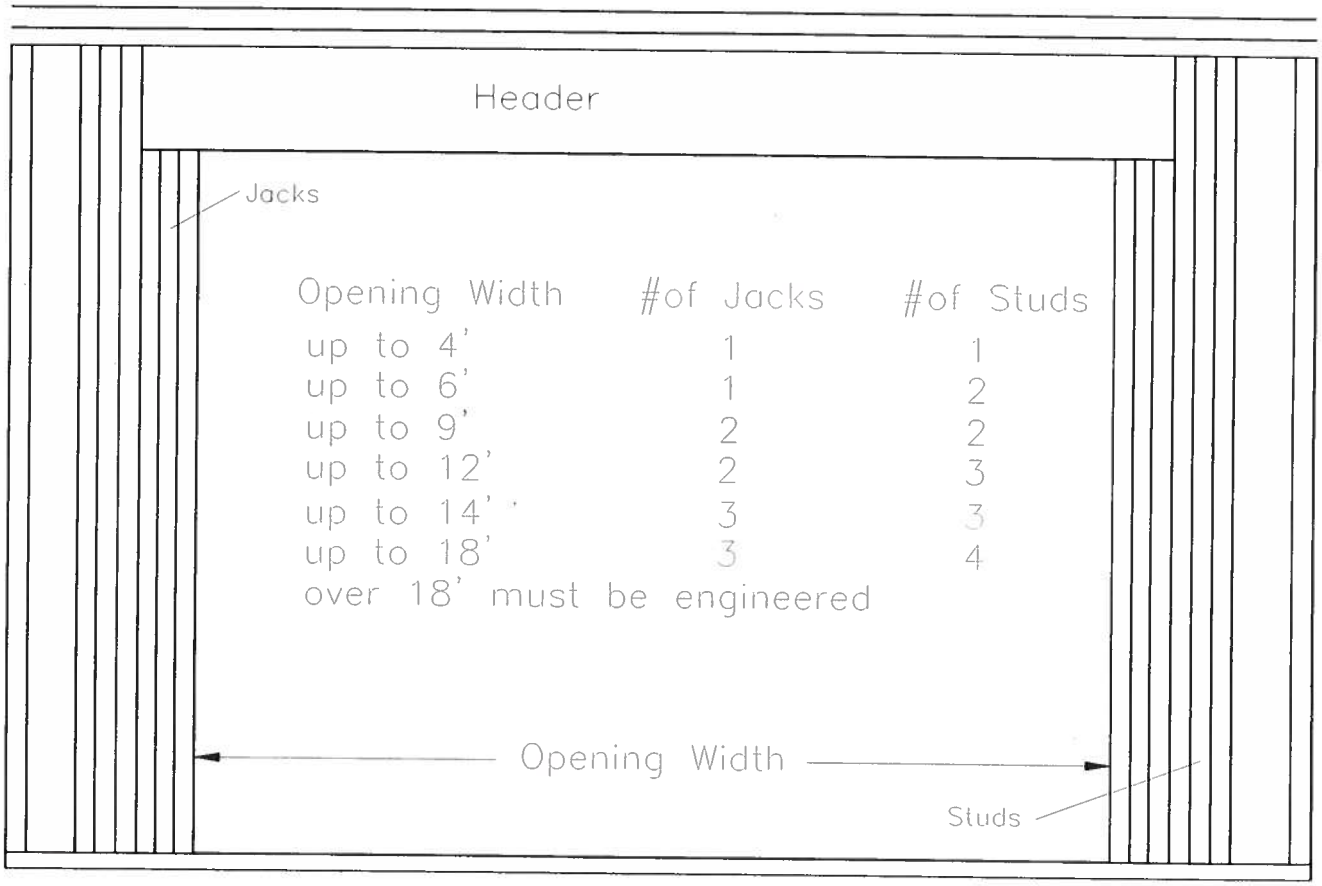
4/1/07

Gable Endwall Framing with Gable End–Truss



4/1/07

Number of Jack and Stud Requirements per Opening Width
2x4 or 2x6 SPF #1&2 Construction – max Wall Height=12'
(based on 16" O.C. Stud Spacing)



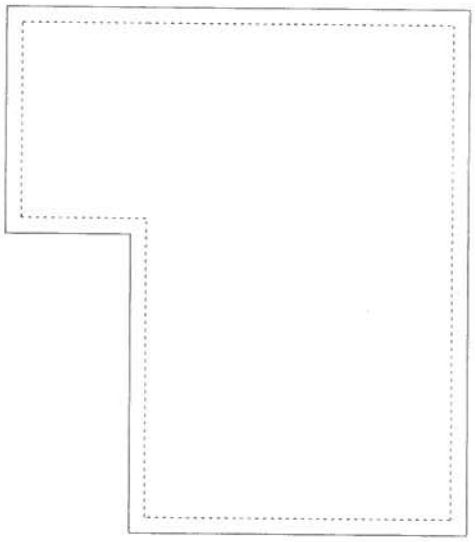
Opening Width	#of Jacks	#of Studs
up to 4'	1	1
up to 6'	1	2
up to 9'	2	2
up to 12'	2	3
up to 14'	3	3
up to 18'	3	4

over 18' must be engineered

Note – Based on uniform loads. Heavy concentrated loads require engineering review

4/11/07

Project Name: Smith Residence



Location:

By: F Sapienza

Start Date: 4/1/2007

Comments:

Local Information

Wind Dir.	Exposure
1	B
2	B
3	B
4	B

Basic Wind Speed: 110 mph

Topography: None

Optional Factors

This project uses load combinations from ASCE 7.

Section - Main Section

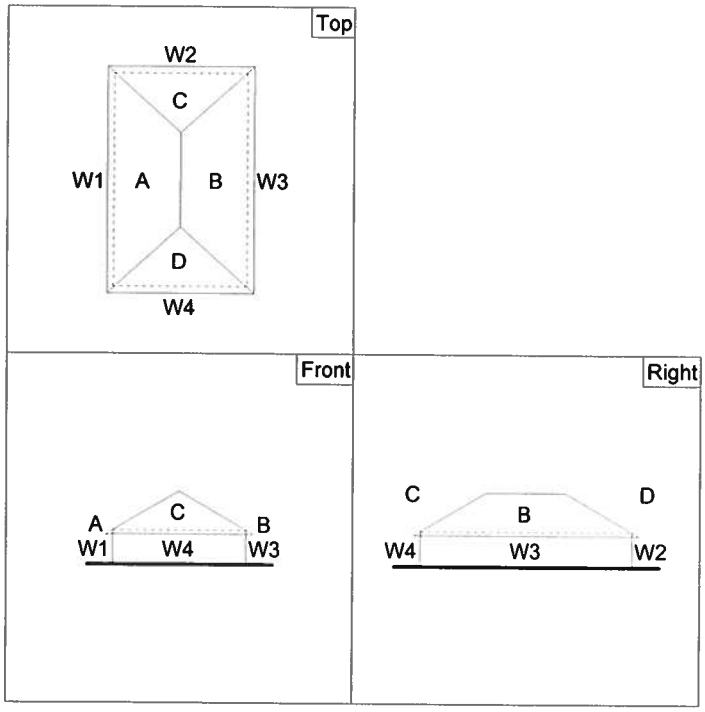
Enclosure Classification: Enclosed
Building Category: II

Wall	Length(ft)	Overhang(ft)
1	63.0	2.0
2	39.0	2.0
3	63.0	2.0
4	39.0	2.0

Eave Height: 10 ft
Parapet Height: 0 ft
Parapet Enclosure: Solid

Roof Shape: Hipped

Roof	Slope(:12)
A&B	7.0
C&D	7.0



Section - leg 1

Enclosure Classification: Enclosed
Building Category: II

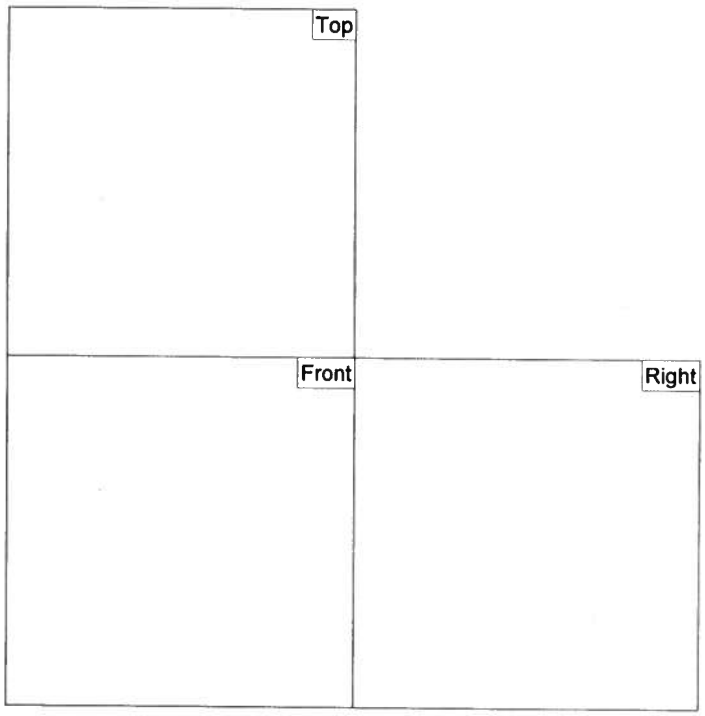
Connected to: Main Section
Connected to wall: W1
Position on W1: 0 ft

Wall	Length(ft)	Overhang(ft)
1	25.0	2.0
2	16.0	2.0
3	25.0	0.0
4	16.0	2.0

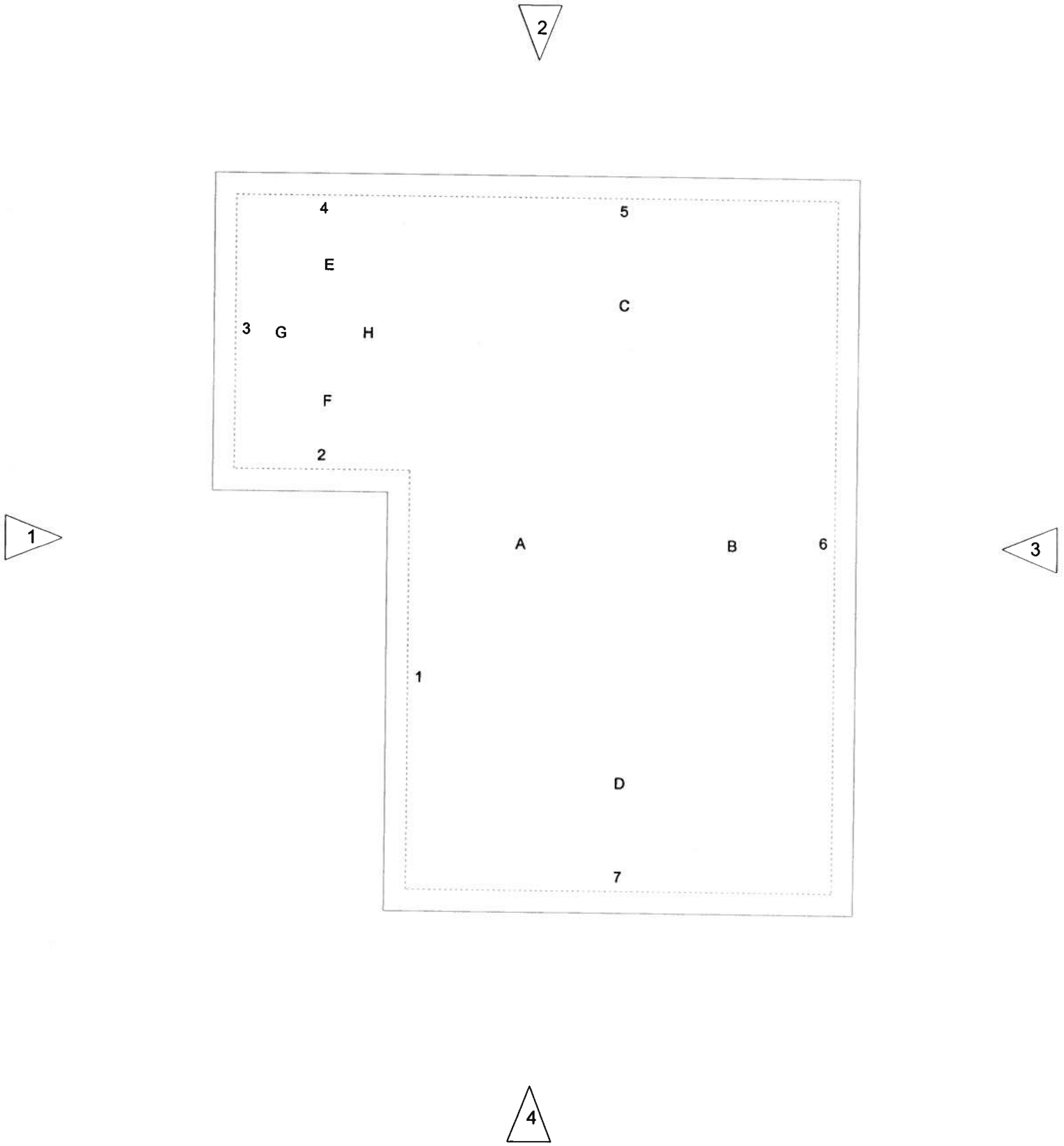
Eave Height: 10 ft
Parapet Height: 0 ft
Parapet Enclosure: Solid

Roof Shape: Hipped

Roof	Slope(:12)
A&B	7.0
C&D	7.0



Composite Drawing



MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 1

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Windward Wall	0.0	15.1	0.86	0.80	0.18	10.4	7.6	13.1
		10.0	15.1				10.4	7.6	13.1
	Overhang Top	15.7	15.3		0.29	0	3.8		
		15.7	15.3		-0.19		-2.5		
	Overhang Bot	10.0	15.1		0.80		10.4		
2	Side Wall	15.7	15.3	0.86	-0.70	0.18	-9.2	-12.0	-6.5
3	Windward Wall	0.0	15.1	0.86	0.80	0.18	10.4	7.6	13.1
		15.0	15.1				10.4	7.6	13.1
		17.3	15.8				10.9	8.1	13.6
	Overhang Top	15.7	15.3		0.29	0	3.8		
		15.7	15.3		-0.19		-2.5		
	Overhang Bot	10.0	15.1		0.80		10.4		
4	Side Wall	15.7	15.3	0.86	-0.70	0.18	-9.2	-12.0	-6.5
5	Side Wall	15.7	15.3	0.86	-0.70	0.18	-9.2	-12.0	-6.5
6	Leeward Wall	15.7	15.3	0.86	-0.50	0.18	-6.6	-9.3	-3.8
7	Side Wall	15.7	15.3	0.86	-0.70	0.18	-9.2	-12.0	-6.5
A	Windward Roof	15.7	15.3	0.86	0.24	0.18	3.2	0.4	5.9
		15.7	15.3		-0.20		-2.6	-5.4	0.1
B	Leeward Roof	15.7	15.3	0.86	-0.60	0.18	-7.9	-10.6	-5.1
C&D	Roof	0 to 7.8 *	15.3	0.86	-0.90	0.18	-11.8	-14.6	-9.1
		7.8 to 15.7 *	15.3				-11.8	-14.6	-9.1
		15.7 to 31.4 *	15.3		-0.50		-6.6	-9.3	-3.8
		31.4 to 39.0 *	15.3		-0.30		-3.9	-6.7	-1.2
		0 to 39.0 *	15.3		-0.18		-2.4	-5.1	0.4
E&F	Roof	0 to 7.8 *	15.3	0.86	-1.16	0.18	-15.3	-18.0	-12.5

ASCE7-02

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 1

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
		7.8 to 15.7 *	15.3		-0.71		-9.3	-12.1	-6.6
		15.7 to 16.0 *	15.3		-0.69		-9.1	-11.8	-6.3
		0 to 16.0 *	15.3		-0.18		-2.4	-5.1	0.4
G	Windward Roof	15.7	15.3	0.86	0.20	0.18	2.6	-0.1	5.4
		15.7	15.3		-0.29		-3.8	-6.6	-1.1
H	Leeward Roof	15.7	15.3	0.86	-0.60	0.18	-7.9	-10.6	-5.1

This is load case 1 in ASCE 7-02 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.

ASCE7-02

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 2

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Side Wall	15.7	15.3	0.86	-0.70	0.18	-9.2	-12.0	-6.5
2	Leeward Wall	15.7	15.3		-0.47		-6.2	-8.9	-3.4
3	Side Wall	15.7	15.3	0.86	-0.70	0.18	-9.2	-12.0	-6.5
4	Windward Wall	0.0	15.1	0.86	0.80	0.18	10.4	7.6	13.1
		10.0	15.1				10.4	7.6	13.1
	Overhang Top	15.7	15.3		0.31	0	4.1		
		15.7	15.3		-0.19		-2.5		
	Overhang Bot	10.0	15.1		0.80		10.4		
5	Windward Wall	0.0	15.1	0.86		0.18	10.4	7.6	13.1
		15.0	15.1				10.4	7.6	13.1
		20.0	16.4				11.3	8.5	14.0
		21.4	16.7				11.5	8.7	14.2
	Overhang Top	15.7	15.3		0.31	0	4.1		
		15.7	15.3		-0.19		-2.5		
	Overhang Bot	10.0	15.1		0.80		10.4		
6	Side Wall	15.7	15.3	0.86	-0.70	0.18	-9.2	-12.0	-6.5
7	Leeward Wall	15.7	15.3	0.86	-0.47	0.18	-6.2	-8.9	-3.4
A&B	Roof	0 to 7.8 *	15.3	0.86	-0.90	0.18	-11.8	-14.6	-9.1
		7.8 to 15.7 *	15.3				-11.8	-14.6	-9.1
		15.7 to 31.4 *	15.3		-0.50		-6.6	-9.3	-3.8
		31.4 to 63.0 *	15.3		-0.30		-3.9	-6.7	-1.2
		0 to 63.0 *	15.3		-0.18		-2.4	-5.1	0.4
C	Windward Roof	15.7	15.3	0.86	0.31	0.18	4.1	1.3	6.8
		15.7	15.3		-0.19		-2.5	-5.3	0.3
D	Leeward Roof	15.7	15.3	0.86	-0.60	0.18	-7.9	-10.6	-5.1

ASCE7-02

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 2

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
E	Windward Roof	15.7	15.3	0.86	0.20	0.18	2.6	-0.1	5.4
		15.7	15.3		-0.22		-2.9	-5.6	-0.1
F	Leeward Roof	15.7	15.3	0.86	-0.60	0.18	-7.9	-10.6	-5.1
G&H	Roof	0 to 7.8 *	15.3	0.86	-0.99	0.18	-13.0	-15.8	-10.3
		7.8 to 15.7 *	15.3		-0.85		-11.2	-13.9	-8.4
		15.7 to 25.0 *	15.3		-0.55		-7.2	-10.0	-4.5
		0 to 25.0 *	15.3		-0.18		-2.4	-5.1	0.4

This is load case 1 in ASCE 7-02 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 3

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Leeward Wall	15.7	15.3	0.86	-0.50	0.18	-6.6	-9.3	-3.8
2	Side Wall	15.7	15.3		-0.70		-9.2	-12.0	-6.5
3	Leeward Wall	15.7	15.3	0.86	-0.50	0.18	-6.6	-9.3	-3.8
4	Side Wall	15.7	15.3	0.86	-0.70	0.18	-9.2	-12.0	-6.5
5	Side Wall	15.7	15.3	0.86	-0.70	0.18	-9.2	-12.0	-6.5
6	Windward Wall	0.0	15.1	0.86	0.80	0.18	10.4	7.6	13.1
		10.0	15.1				10.4	7.6	13.1
	Overhang Top	15.7	15.3		0.29	0	3.8		
		15.7	15.3		-0.19		-2.5		
	Overhang Bot	10.0	15.1		0.80		10.4		
7	Side Wall	15.7	15.3	0.86	-0.70	0.18	-9.2	-12.0	-6.5
A	Leeward Roof	15.7	15.3	0.86	-0.60	0.18	-7.9	-10.6	-5.1
B	Windward Roof	15.7	15.3	0.86	0.24	0.18	3.2	0.4	5.9
		15.7	15.3		-0.20		-2.6	-5.4	0.1
C&D	Roof	0 to 7.8 *	15.3	0.86	-0.90	0.18	-11.8	-14.6	-9.1
		7.8 to 15.7 *	15.3				-11.8	-14.6	-9.1
		15.7 to 31.4 *	15.3		-0.50		-6.6	-9.3	-3.8
		31.4 to 39.0 *	15.3		-0.30		-3.9	-6.7	-1.2
		0 to 39.0 *	15.3		-0.18		-2.4	-5.1	0.4
E&F	Roof	0 to 7.8 *	15.3	0.86	-1.16	0.18	-15.3	-18.0	-12.5
		7.8 to 15.7 *	15.3		-0.71		-9.3	-12.1	-6.6
		15.7 to 16.0 *	15.3		-0.69		-9.1	-11.8	-6.3
		0 to 16.0 *	15.3		-0.18		-2.4	-5.1	0.4
G	Leeward Roof	15.7	15.3	0.86	-0.60	0.18	-7.9	-10.6	-5.1

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 3

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
H	Windward Roof	15.7	15.3	0.86	0.20	0.18	2.6	-0.1	5.4
		15.7	15.3		-0.29		-3.8	-6.6	-1.1

This is load case 1 in ASCE 7-02 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 4

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Side Wall	15.7	15.3	0.86	-0.70	0.18	-9.2	-12.0	-6.5
2	Windward Wall	0.0	15.1		0.80		10.4	7.6	13.1
		10.0	15.1				10.4	7.6	13.1
	Overhang Top	15.7	15.3		0.31	0	4.1		
		15.7	15.3		-0.19		-2.5		
	Overhang Bot	10.0	15.1		0.80		10.4		
3	Side Wall	15.7	15.3	0.86	-0.70	0.18	-9.2	-12.0	-6.5
4	Leeward Wall	15.7	15.3	0.86	-0.47	0.18	-6.2	-8.9	-3.4
5	Leeward Wall	15.7	15.3	0.86	-0.47	0.18	-6.2	-8.9	-3.4
6	Side Wall	15.7	15.3	0.86	-0.70	0.18	-9.2	-12.0	-6.5
7	Windward Wall	0.0	15.1	0.86	0.80	0.18	10.4	7.6	13.1
		15.0	15.1				10.4	7.6	13.1
		20.0	16.4				11.3	8.5	14.0
		21.4	16.7				11.5	8.7	14.2
	Overhang Top	15.7	15.3		0.31	0	4.1		
		15.7	15.3		-0.19		-2.5		
	Overhang Bot	10.0	15.1		0.80		10.4		
A	Leeward Roof	15.7	15.3	0.86	-0.60	0.18	-7.9	-10.6	-5.1
B	Windward Roof	15.7	15.3	0.86	0.31	0.18	4.1	1.3	6.8
		15.7	15.3		-0.19		-2.5	-5.3	0.3
C&D	Roof	0 to 7.8 *	15.3	0.86	-0.90	0.18	-11.8	-14.6	-9.1
		7.8 to 15.7 *	15.3				-11.8	-14.6	-9.1
		15.7 to 31.4 *	15.3		-0.50		-6.6	-9.3	-3.8
		31.4 to 63.0 *	15.3		-0.30		-3.9	-6.7	-1.2
		0 to 63.0 *	15.3		-0.18		-2.4	-5.1	0.4

ASCE7-02

MWFRS Net Pressures

This data was calculated using the building of all heights method.

Wind Direction 4

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
E&F	Roof	0 to 7.8 *	15.3	0.86	-0.99	0.18	-13.0	-15.8	-10.3
		7.8 to 15.7 *	15.3		-0.85		-11.2	-13.9	-8.4
		15.7 to 25.0 *	15.3		-0.55		-7.2	-10.0	-4.5
		0 to 25.0 *	15.3		-0.18		-2.4	-5.1	0.4
G	Leeward Roof	15.7	15.3	0.86	-0.60	0.18	-7.9	-10.6	-5.1
H	Windward Roof	15.7	15.3	0.86	0.20	0.18	2.6	-0.1	5.4
		15.7	15.3		-0.22		-2.9	-5.6	-0.1

This is load case 1 in ASCE 7-02 Figure 6-9. See Figure 6-9 for other cases.

* Distance from windward edge.

Load Short Form
Entire House

Job: DEREK AND JENNIFER...
Date: Mar 19, 2007
By:

Project Information

For: JERRY RYE, RYE CONSTRUCTION

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	70	75
Design TD (°F)	37	17
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	52

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

HEATING EQUIPMENT

Make	Ruud
Trade	Ruud UPNE Series
Model	UPNE-048J*Z

Efficiency	8.5 HSPF	
Heating input		
Heating output	45000	Btuh @ 47°F
Temperature rise	26	°F
Actual air flow	1550	cfm
Air flow factor	0.037	cfm/Btuh
Static pressure	0.10	in H2O
Space thermostat		

COOLING EQUIPMENT

Make	Ruud
Trade	Ruud UPNE Series
Cond	UPNE-048J*Z
Coil	UHKA-HM4821+RCSA-H*4821A*

Efficiency	13 SEER	
Sensible cooling	32550	Btuh
Latent cooling	13950	Btuh
Total cooling	46500	Btuh
Actual air flow	1550	cfm
Air flow factor	0.048	cfm/Btuh
Static pressure	0.10	in H2O
Load sensible heat ratio	0.82	

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Laundry Room	69	779	3966	29	192
Bedroom 2	189	3479	2296	129	111
Bedroom 3	196	5355	2916	199	141
Bath	64	1688	955	63	46
Kitchen/Pantry	295	426	4126	16	200
Hall	68	99	189	4	9
Nook	110	4738	2904	176	141
Family Room	288	3160	2569	117	124
Entry	64	1769	1031	66	50
M/Bedroom	345	9591	5767	356	279
Closets/Hall	135	1418	713	53	35
M/Bath	158	5655	2524	210	122
Dining	168	3569	2059	133	100

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

Entire House	d	2148	41726	32013	1550	1550
Other equip loads			2389	1098		
Equip. @ 0.97	RSM			32118		
Latent cooling				7146		
TOTALS		2148	44115	39264	1550	1550

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

Building Analysis
Entire House

Job: DEREK AND JENNIFER...
Date: Mar 19, 2007
By:

Project Information

For: JERRY RYE, RYE CONSTRUCTION

Design Conditions

Location:
Gainesville, FL, US
Elevation: 0 ft
Latitude: 30°N

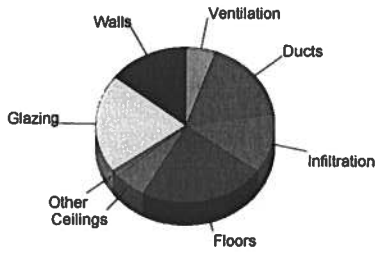
Outdoor:	**Heating**	**Cooling**
Dry bulb (°F)	33	92
Daily range (°F)	-	19 (M)
Wet bulb (°F)	-	77
Wind speed (mph)	15.0	7.5

Indoor:	**Heating**	**Cooling**
Indoor temperature (°F)	70	75
Design TD (°F)	37	17
Relative humidity (%)	30	50
Moisture difference (gr/lb)	10.6	51.6

Infiltration:	
Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

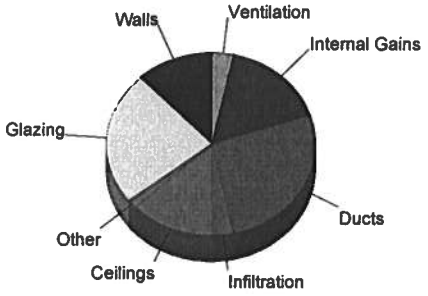
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.8	6392	14.5
Glazing	30.1	9086	20.6
Doors	14.4	606	1.4
Ceilings	1.2	2543	5.8
Floors	4.7	10024	22.7
Infiltration	2.7	5523	12.5
Ducts		7551	17.1
Piping		0	0.0
Humidification		0	0.0
Ventilation		2389	5.4
Adjustments		0	
Total		**44115**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	1.7	3988	12.0
Glazing	26.1	7861	23.7
Doors	11.4	477	1.4
Ceilings	2.0	4307	13.0
Floors	0.0	0	0.0
Infiltration	0.5	1082	3.3
Ducts		8809	26.6
Ventilation		1098	3.3
Internal gains		5490	16.6
Blower		0	0.0
Adjustments		0	
Total		**33111**	**100.0**



Overall U-value = 0.125 Btuh/ft²-°F

Data entries checked.

Project Summary
Entire House

Job: DEREK AND JENNIFER...
Date: Mar 19, 2007
By:

Project Information

For: JERRY RYE, RYE CONSTRUCTION

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33	°F
Inside db	70	°F
Design TD	37	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	52	gr/lb

Heating Summary

Structure	34175	Btuh
Ducts	7551	Btuh
Central vent (59 cfm)	2389	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	44115	Btuh

Sensible Cooling Equipment Load Sizing

Structure	23205	Btuh
Ducts	8809	Btuh
Central vent (59 cfm)	1098	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	32118	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

	Heating	Cooling
Area (ft²)	2148	2148
Volume (ft³)	21694	21694
Air changes/hour	0.38	0.16
Equiv. AVF (cfm)	136	58

Latent Cooling Equipment Load Sizing

Structure	2628	Btuh
Ducts	2460	Btuh
Central vent (59 cfm)	2058	Btuh
Equipment latent load	7146	Btuh
Equipment total load	39264	Btuh
Req. total capacity at 0.70 SHR	3.8	ton

Heating Equipment Summary

Make	Ruud
Trade	Ruud UPNE Series
Model	UPNE-048J*Z

Efficiency	8.5 HSPF	
Heating input		
Heating output	45000	Btuh @ 47°F
Temperature rise	26	°F
Actual air flow	1550	cfm
Air flow factor	0.037	cfm/Btuh
Static pressure	0.10	in H2O
Space thermostat		

Cooling Equipment Summary

Make	Ruud
Trade	Ruud UPNE Series
Cond	UPNE-048J*Z
Coil	UHKA-HM4821+RCSA-H*4821A*

Efficiency	13 SEER	
Sensible cooling	32550	Btuh
Latent cooling	13950	Btuh
Total cooling	46500	Btuh
Actual air flow	1550	cfm
Air flow factor	0.048	cfm/Btuh
Static pressure	0.10	in H2O
Load sensible heat ratio	0.82	

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

Duct System Summary
Entire House

Job: DEREK AND JENNIFER...
Date: Mar 19, 2007
By:

Project Information

For: JERRY RYE, RYE CONSTRUCTION

	Heating	Cooling
External static pressure	***0.10*** in H2O	***0.10*** in H2O
Pressure losses	0.25 in H2O	0.25 in H2O
Available static pressure	-0.2 in H2O	-0.2 in H2O
Supply / return available pressure	-0.08 / -0.07 in H2O	-0.08 / -0.07 in H2O
Lowest friction rate	***0.100*** in/100ft	***0.100*** in/100ft
Actual air flow	1550 cfm	1550 cfm
Total effective length (TEL)	170 ft	

Supply Branch Detail Table

Name		Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
Laundry Room	c	3966	29	192	0.100	9	14x5	VlFx	90.0	0.0	ST1
Bedroom 2	h	3479	129	111	0.100	7	14x3	VlFx	90.0	0.0	ST1A
Bedroom 3	h	5355	199	141	0.100	9	14x5	VlFx	90.0	0.0	ST1
Bath	h	1688	63	46	0.100	6	14x2	VlFx	90.0	0.0	ST1
Kitchen/Pantry-A	c	2063	8	100	0.100	7	14x3	VlFx	90.0	0.0	st1
Kitchen/Pantry	c	2063	8	100	0.100	7	14x3	VlFx	90.0	0.0	ST1
Hall	c	189	4	9	0.100	4	14x1	VlFx	90.0	0.0	ST1
Nook	h	4738	176	141	0.100	8	14x4	VlFx	90.0	0.0	ST1
Family Room	c	2569	117	124	0.100	7	14x3	VlFx	90.0	0.0	ST1
Entry	h	1769	66	50	0.100	6	14x2	VlFx	90.0	0.0	ST1
M/Bedroom-A	h	4796	178	140	0.100	8	14x4	VlFx	90.0	0.0	ST1
M/Bedroom	h	4796	178	140	0.100	8	14x4	VlFx	90.0	0.0	ST1
Closets/Hall	h	1418	53	35	0.100	5	14x1	VlFx	90.0	0.0	ST1
M/Bath	h	5655	210	122	0.100	9	14x5	VlFx	90.0	0.0	ST1
Dining	h	3569	133	100	0.100	7	14x3	VlFx	90.0	0.0	ST1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
ST1	Peak AVF	1550	1550	0.100	531	22	12 x 35	RectFbg	
ST1A	Peak AVF	129	111	0.100	310	10	12 x 5	RectFbg	ST1

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb2	0x0	129	111	80.0	0.100	388	7	12x 4		VlFx	
rb3	0x0	199	141	80.0	0.100	398	9	12x 6		VlFx	
rb4	0x0	117	124	80.0	0.100	373	7	12x 4		VlFx	
rb5	0x0	178	140	80.0	0.100	428	8	12x 5		VlFx	

FORM 600A-2004R Tested sealed ducts must be certified in this house. EnergyGauge® 4.5

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**DEREK SMITH - RYE CONSTRUCTION**	Builder:	**RYE CONSTRUCTION**
Address:		Permitting Office:	**COLUMBIA COUNTY**
City, State:	,	Permit Number:	
Owner:	**DEREK SMITH**	Jurisdiction Number:	
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 48.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	2148 ft²	13. Heating systems	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 48.0 kBtu/hr
a. U-factor:	Description Area		HSPF: 8.50
(or Single or Double DEFAULT) 7a.	(Dble, U=0.9) 68.0 ft²	b. N/A	
b. SHGC:		c. N/A	
(or Clear or Tint DEFAULT) 7b.	(Clear) 301.5 ft²	14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 40.0 gallons
a. Slab-On-Grade Edge Insulation	R=0.0, 199.5(p) ft		EF: 0.93
b. N/A		b. N/A	
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar	
a. Frame, Wood, Exterior	R=13.0, 1693.5 ft²	DHP-Dedicated heat pump)	
b. Frame, Wood, Adjacent	R=0.0, 390.0 ft²	15. HVAC credits	
c. Frame, Wood, Adjacent	R=13.0, 205.0 ft²	(CF-Ceiling fan, CV-Cross ventilation,	
d. N/A		HF-Whole house fan,	
e. N/A		PT-Programmable Thermostat,	
10. Ceiling types		MZ-C-Multizone cooling,	
a. Under Attic	R=30.0, 2148.0 ft²	MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 180.0 ft		
b. N/A			

Glass/Floor Area: 0.14 Total as-built points: 28365 Total base points: 29283 **PASS**

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

PREPARED BY: Larry Resmondo a/c

DATE: March 20, 2007

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2148.0	18.59	7188.0	1.Double,U=0.87,Clear	E	6.0	6.0	25.0	42.06	0.52	544.0	
				2.Double,U=0.87,Clear	E	13.0	8.0	7.0	42.06	0.42	123.0	
				3.Single,U=0.60,Clear	E	1.5	6.0	20.0	49.88	0.91	910.0	
				4.Double,U=0.87,Clear	N	1.5	3.0	12.0	19.20	0.83	191.0	
				5.Double,U=0.87,Clear	N	1.5	7.0	36.0	19.20	0.96	661.0	
				6.Double,U=0.87,Clear	W	1.5	7.0	68.0	38.52	0.94	2459.0	
				7.Double,U=0.87,Clear	W	8.0	7.0	25.0	38.52	0.50	477.0	
				8.Double,U=0.87,Clear	W	1.5	6.0	12.5	38.52	0.91	439.0	
				9.Double,U=0.60,Clear	W	6.0	8.0	42.0	39.74	0.60	1005.0	
				10.Double,U=0.87,Clear	S	1.5	7.0	54.0	35.87	0.89	1732.0	
				As-Built Total:				**301.5**			**8541.0**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	595.0	0.70	416.5	1. Frame, Wood, Exterior	13.0	1693.5	1.50	2540.3
Exterior	1693.5	1.70	2879.0	2. Frame, Wood, Adjacent	0.0	390.0	2.20	858.0
				3. Frame, Wood, Adjacent	13.0	205.0	0.60	123.0
Base Total:	**2288.5**		**3295.5**	**As-Built Total:**		**2288.5**		**3521.3**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	21.0	2.40	50.4	1.Exterior Wood	21.0	6.10	128.1
Exterior	21.0	6.10	128.1	2.Adjacent Wood	21.0	2.40	50.4
Base Total:	**42.0**		**178.5**	**As-Built Total:**	**42.0**		**178.5**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	2148.0	1.73	3716.0	1. Under Attic	30.0	2148.0	1.73 X 1.00	3716.0
Base Total:	**2148.0**		**3716.0**	**As-Built Total:**		**2148.0**		**3716.0**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	199.5(p)	-37.0	-7381.5	1. Slab-On-Grade Edge Insulation	0.0	199.5(p	-41.20	-8219.4
Raised	0.0	0.00	0.0					
Base Total:			**-7381.5**	**As-Built Total:**		**199.5**		**-8219.4**

INFILTRATION	Area X	BSPM	= Points	Area X	SPM	= Points
	2148.0	10.21	21931.1	2148.0	10.21	21931.1

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 28927.6			**Summer As-Built Points:**					**29668.5**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 48000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)					
			29668	1.00	(1.09 x 1.000 x 1.11)	0.260	1.000	9332.9
28927.6	**0.3250**	**9401.5**	**29668.5**	**1.00**	**1.210**	**0.260**	**1.000**	**9332.9**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	2148.0	20.17	7799.0	1.Double,U=0.87,Clear	E	6.0	6.0	25.0	18.79	1.29	604.0	
				2.Double,U=0.87,Clear	E	13.0	8.0	7.0	18.79	1.41	185.0	
				3.Single,U=0.60,Clear	E	1.5	6.0	20.0	10.04	1.04	207.0	
				4.Double,U=0.87,Clear	N	1.5	3.0	12.0	24.58	1.01	297.0	
				5.Double,U=0.87,Clear	N	1.5	7.0	36.0	24.58	1.00	886.0	
				6.Double,U=0.87,Clear	W	1.5	7.0	68.0	20.73	1.02	1432.0	
				7.Double,U=0.87,Clear	W	8.0	7.0	25.0	20.73	1.18	612.0	
				8.Double,U=0.87,Clear	W	1.5	6.0	12.5	20.73	1.02	265.0	
				9.Double,U=0.60,Clear	W	6.0	8.0	42.0	13.24	1.13	631.0	
				10.Double,U=0.87,Clear	S	1.5	7.0	54.0	13.30	1.07	771.0	
				As-Built Total:				**301.5**			**5890.0**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	595.0	3.60	2142.0	1. Frame, Wood, Exterior	13.0	1693.5	3.40	5757.9
Exterior	1693.5	3.70	6266.0	2. Frame, Wood, Adjacent	0.0	390.0	10.40	4056.0
				3. Frame, Wood, Adjacent	13.0	205.0	3.30	676.5
Base Total:	**2288.5**		**8408.0**	**As-Built Total:**		**2288.5**		**10490.4**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	21.0	11.50	241.5	1.Exterior Wood	21.0	12.30	258.3
Exterior	21.0	12.30	258.3	2.Adjacent Wood	21.0	11.50	241.5
Base Total:	**42.0**		**499.8**	**As-Built Total:**	**42.0**		**499.8**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	2148.0	2.05	4403.4	1. Under Attic	30.0	2148.0	2.05 X	1.00	4403.4
Base Total:	**2148.0**		**4403.4**	**As-Built Total:**		**2148.0**			**4403.4**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	199.5(p)	8.9	1775.5	1. Slab-On-Grade Edge Insulation	0.0	199.5(p	18.80	3750.6
Raised	0.0	0.00	0.0					
Base Total:			**1775.5**	**As-Built Total:**		**199.5**		**3750.6**

INFILTRATION	Area X	BWPM	= Points	Area X	WPM	= Points
	2148.0	-0.59	-1267.3	2148.0	-0.59	-1267.3

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**21618.4**	**Winter As-Built Points:**					**23766.9**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 48000 btuh ,EFF(8.5) Ducts:Unc(S),Unc(R),Att(AH),R6.0					
21618.4	0.5540	11976.6	23766.9	1.00	1.176	0.401	1.000	11211.9

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

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

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
9401	**11977**	**7905**	**29283**	**9333**	**11212**	**7820**	**28365**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked cir 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* = 85.0

The higher the score, the more efficient the home.

DEREK SMITH, , , ,

1.	New construction or existing		New	12.	Cooling systems	
2.	Single family or multi-family		Single family	a.	Central Unit	Cap: 48.0 kBtu/hr
3.	Number of units, if multi-family		1			SEER: 13.00
4.	Number of Bedrooms		3	b.	N/A	
5.	Is this a worst case?		No			
6.	Conditioned floor area (ft²)		2148 ft²	c.	N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					
a.	U-factor:	Description	Area	13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble, U=0.9)	68.0 ft²	a.	Electric Heat Pump	Cap: 48.0 kBtu/hr
b.	SHGC:					HSPF: 8.50
	(or Clear or Tint DEFAULT)	7b. (Clear)	301.5 ft²	b.	N/A	
8.	Floor types					
a.	Slab-On-Grade Edge Insulation		R=0.0, 199.5(p) ft	c.	N/A	
b.	N/A					
c.	N/A			14.	Hot water systems	
9.	Wall types			a.	Electric Resistance	Cap: 40.0 gallons
a.	Frame, Wood, Exterior		R=13.0, 1693.5 ft²			EF: 0.93
b.	Frame, Wood, Adjacent		R=0.0, 390.0 ft²	b.	N/A	
c.	Frame, Wood, Adjacent		R=13.0, 205.0 ft²			
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, 2148.0 ft²	15.	HVAC credits	
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: Attic		Sup. R=6.0, 180.0 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.

RE: J0700444 -

Site Information:
Project Customer: RYE CONSTRUCTION Project Name: DEREK SMITH RES
Lot/Block: Subdivision:
Address: 200 sw Geral Conner Dr.
City: Lake City State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2004/TPI2002 Design Program: MiTek 20/20 6.5
Wind Code: ASCE 7-02 Wind Speed: 120 mph Floor Load: N/A psf
Roof Load: 37.0 psf

This package includes 46 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T2554286	A01	5/24/07	18	T2554303	A21	5/24/07
2	T2554287	A02	5/24/07	19	T2554304	A21A	5/24/07
3	T2554288	A03	5/24/07	20	T2554305	A21B	5/24/07
4	T2554289	A04	5/24/07	21	T2554306	A21C	5/24/07
5	T2554290	A05	5/24/07	22	T2554307	A22	5/24/07
6	T2554291	A06	5/24/07	23	T2554308	A23	5/24/07
7	T2554292	A07	5/24/07	24	T2554309	A24	5/24/07
8	T2554293	A08	5/24/07	25	T2554310	A25	5/24/07
9	T2554294	A09	5/24/07	26	T2554311	A26	5/24/07
10	T2554295	A10	5/24/07	27	T2554312	A27	5/24/07
11	T2554296	A12	5/24/07	28	T2554313	A28	5/24/07
12	T2554297	A13	5/24/07	29	T2554314	A29	5/24/07
13	T2554298	A14	5/24/07	30	T2554315	A30	5/24/07
14	T2554299	A15	5/24/07	31	T2554316	A31	5/24/07
15	T2554300	A16	5/24/07	32	T2554317	A32	5/24/07
16	T2554301	A17	5/24/07	33	T2554318	BJ1	5/24/07
17	T2554302	A18	5/24/07	34	T2554319	BJ3	5/24/07

The truss drawing(s) referenced above have been prepared by Robbins Engineering, Inc. under my direct supervision based on the parameters provided by HD Supply-Ocala, FL.

Truss Design Engineer's Name: ORegan, Philip
My license renewal date for the state of Florida is February 28, 2009.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007
ORegan, Philip

6904 Parke East Boulevard
Tampa, FL 33610-4115
Phone: 813-972-1135 Fax: 813-971-6117
www.robbinseng.com

RE: J0700444 -

Site Information:

Project Customer: RYE CONSTRUCTION Project Name: DEREK SMITH RES
Lot/Block: Subdivision:
Address: 200 sw Geral Conner Dr.
City: Lake City State: FL

No.	Seal#	Truss Name	Date
35	T2554320	BJ5	5/24/07
36	T2554321	CJ4	5/24/07
37	T2554322	EJ3	5/24/07
38	T2554323	EJ5	5/24/07
39	T2554324	EJ7	5/24/07
40	T2554325	FG1	5/24/07
41	T2554326	GR1	5/24/07
42	T2554327	HJ07	5/24/07
43	T2554328	HJ9	5/24/07
44	T2554329	PB01	5/24/07
45	T2554330	PB02	5/24/07
46	T2554331	PB03	5/24/07

Job	Truss	Truss Type	Qty	Ply	T2554286
J0700444	A01	HIP	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:10 2007 Page 1

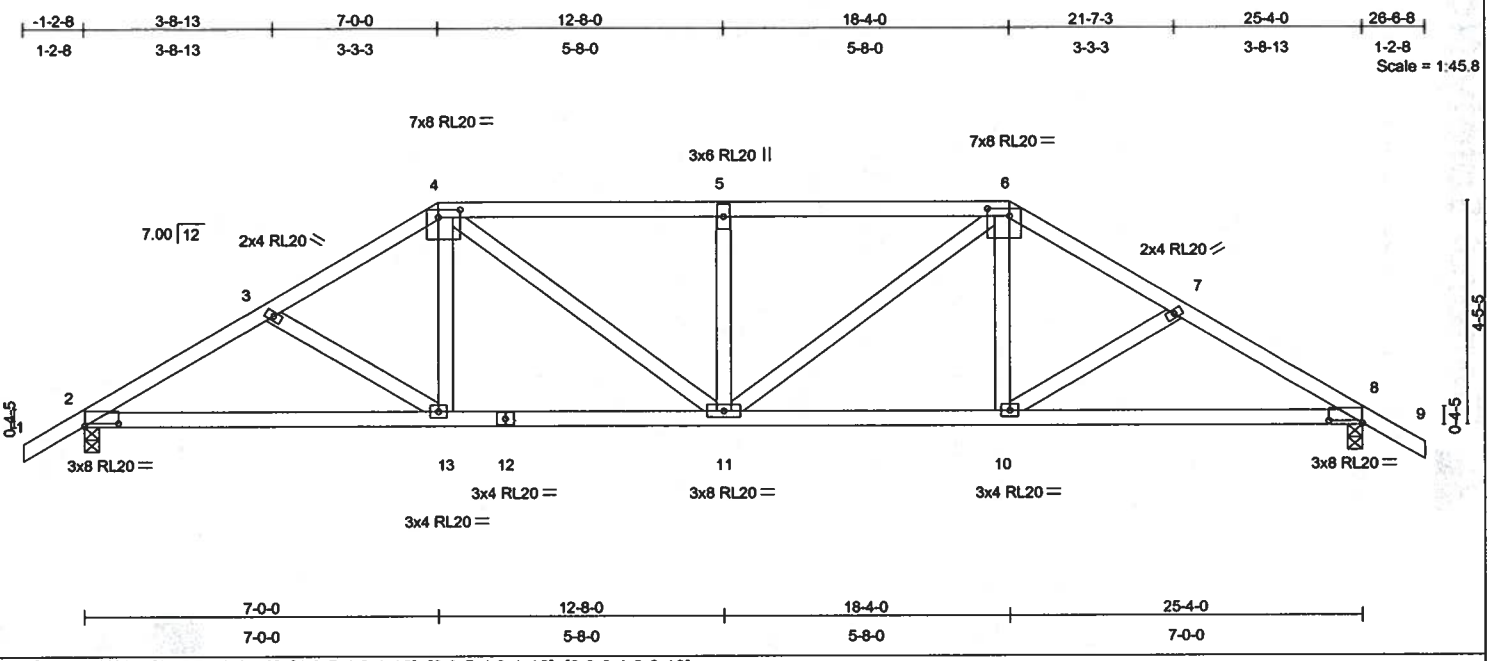


Plate Offsets (X,Y): [2:0-8-1,0-0-10], [4:0-5-4,0-1-12], [6:0-5-4,0-1-12], [8:0-8-1,0-0-10]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.98	Vert(LL)	0.23	11	>999	360	RL20	253/171
TCDL 7.0		Lumber Increase 1.25	BC 0.62	Vert(TL)	-0.31	10-11	>965	180		
BCLL 10.0	*	Rep Stress Incr NO	WB 0.62	Horz(TL)	0.12	8	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002	(Matrix)						Weight: 131 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-6-0 oc bracing.

REACTIONS (lb/size) 2=1965/0-3-8, 8=1965/0-3-8
Max Horz 2=175(LC 4)
Max Uplift2=-1338(LC 5), 8=-1338(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-3324/2273, 3-4=-3214/2312, 4-5=-3439/2534, 5-6=-3439/2534, 6-7=-3214/2312, 7-8=-3324/2274, 8-9=0/32
BOT CHORD 2-13=-2027/2775, 12-13=-2080/2794, 11-12=-2080/2794, 10-11=-1930/2794, 8-10=-1853/2775
WEBS 3-13=-253/52, 4-13=-376/677, 4-11=-753/798, 5-11=-698/905, 6-11=-753/798, 6-10=-377/677, 7-10=-254/53

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1338 lb uplift at joint 2 and 1338 lb uplift at joint 8.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 475 lb down and 446 lb up at 18-4-0, and 475 lb down and 446 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-118(F=-64), 6-9=-54, 2-13=-20, 10-13=-44(F=-24), 8-10=-20
Concentrated Loads (lb)
Vert: 13=-475(F) 10=-475(F)

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554287
J0700444	A02	HIP	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:11 2007 Page 1

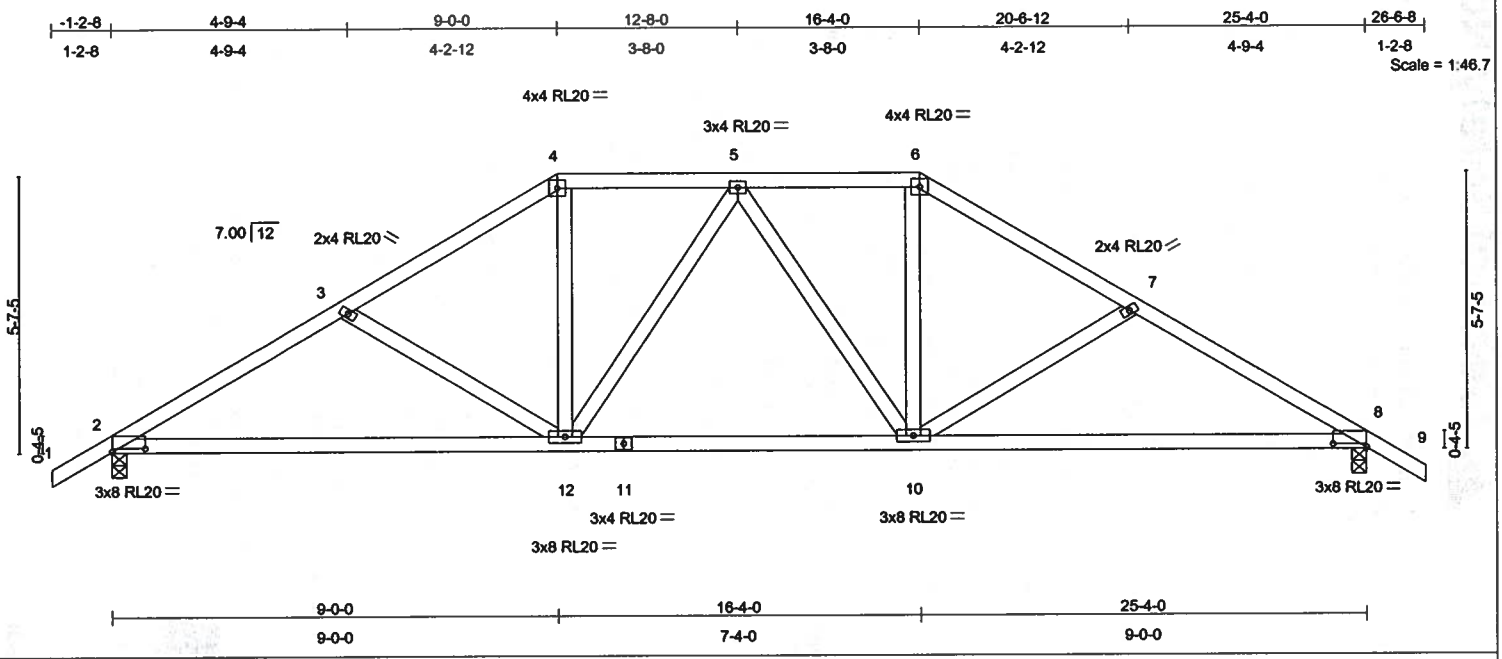


Plate Offsets (X,Y): [2:0-8-1,0-0-14], [8:0-8-1,0-0-14]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.28	Vert(LL)	-0.13	2-12	>999	360	RL20	253/171
TCDL 7.0		Lumber Increase 1.25	BC 0.51	Vert(TL)	-0.36	2-12	>846	180		
BCLL 10.0	*	Rep Stress Incr YES	WB 0.13	Horz(TL)	0.05	8	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002	(Matrix)						Weight: 132 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-0-6 oc bracing.

REACTIONS (lb/size) 2=1000/0-3-8, 8=1000/0-3-8
Max Horz 2=223(LC 4)
Max Uplift2=-455(LC 5), 8=-455(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-1469/578, 3-4=-1245/471, 4-5=-1030/469, 5-6=-1030/469, 6-7=-1245/472, 7-8=-1469/578, 8-9=0/32
BOT CHORD 2-12=-512/1223, 11-12=-385/1088, 10-11=-385/1088, 8-10=-355/1223
WEBS 3-12=-238/268, 4-12=-84/403, 5-12=-105/245, 5-10=-105/245, 6-10=-83/403, 7-10=-238/269

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 455 lb uplift at joint 2 and 455 lb uplift at joint 8.

LOAD CASE(S) Standard

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554288
J0700444	A03	ROOF TRUSS	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:12 2007 Page 1

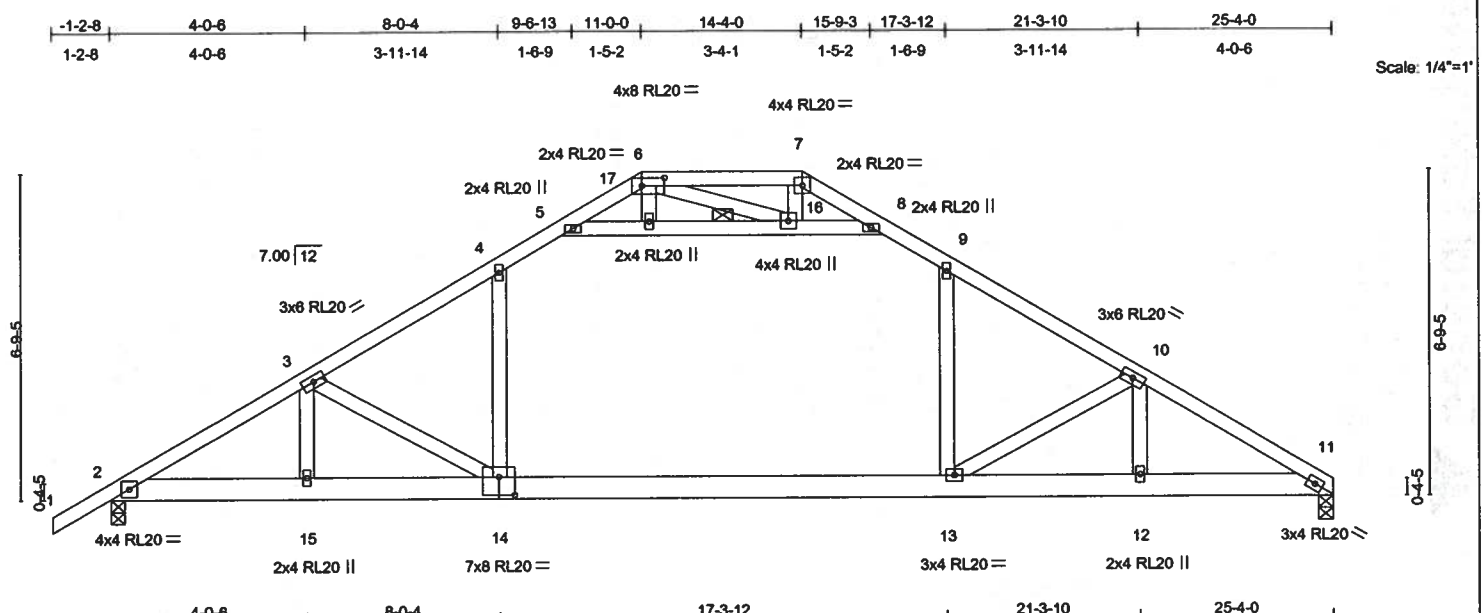


Plate Offsets (X,Y): [6:0-5-8,0-2-0], [14:0-4-0,0-4-8]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.97	Vert(LL)	-0.29	13-14	>999	360	RL20	253/171
TCDL 7.0		Lumber Increase 1.25	BC 0.66	Vert(TL)	-0.47	13-14	>635	180		
BCLL 10.0	*	Rep Stress Incr NO	WB 0.36	Horz(TL)	0.05	11	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002	(Matrix)						Weight: 152 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-8-5 oc bracing.
WEBS 1 Row at midpt 5-8

REACTIONS (lb/size) 2=1281/0-3-8, 11=1204/0-3-8
Max Horz 2=284(LC 4)
Max Uplift2=-472(LC 5), 11=-375(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-2077/623, 3-4=-1925/522, 4-5=-1469/497, 5-6=0/298, 7-8=0/295, 8-9=-1470/493, 9-10=-1922/516, 10-11=-2099/666, 6-7=0/306
BOT CHORD 2-15=-577/1768, 14-15=-577/1768, 13-14=-296/1555, 12-13=-510/1789, 11-12=-510/1789
WEBS 5-17=-1786/520, 16-17=-1782/519, 8-16=-1840/530, 4-14=-62/684, 9-13=-60/682, 3-14=-286/324, 7-16=-60/63, 6-17=-12/28, 6-16=-171/178, 3-15=-127/183, 10-12=-136/179, 10-13=-281/364

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 472 lb uplift at joint 2 and 375 lb uplift at joint 11.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-14=-20, 13-14=-80, 11-13=-20, 1-6=-54, 7-11=-54, 6-7=-54

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert #5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554289
J0700444	A04	MONO HIP	1	2	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:12 2007 Page 1

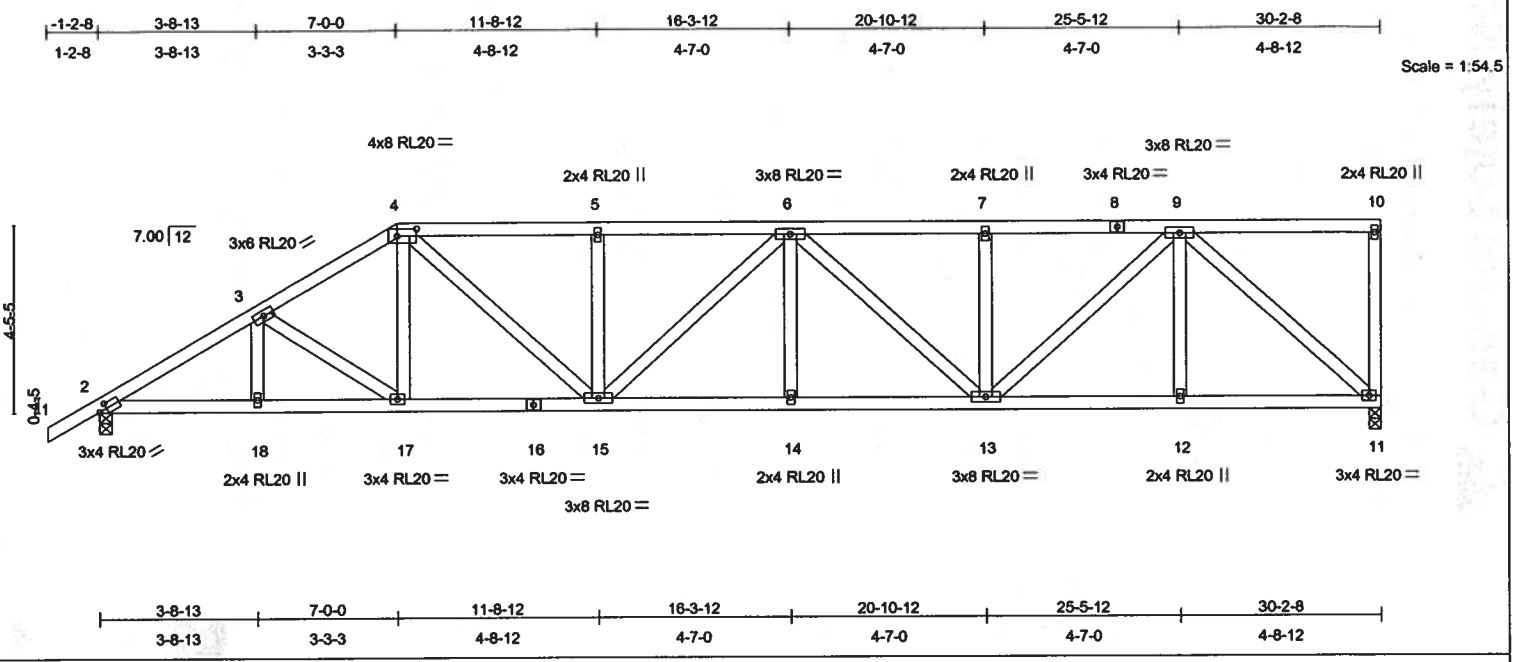


Plate Offsets (X,Y): [2:0-2-3,0-1-8], [4:0-5-8,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC	0.43	Vert(LL)	0.19	14-15	>999	360	RL20	253/171
TCDL 7.0		Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.24	14-15	>999	180		
BCLL 10.0	*	Rep Stress Incr	NO	WB	0.48	Horz(TL)	0.08	11	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002		(Matrix)							Weight: 359 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-8-5 oc bracing.

REACTIONS (lb/size) 11=2450/0-3-8, 2=2317/0-3-8
Max Horz 2=280(LC 5)
Max Uplift11=-1876(LC 3), 2=-1533(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-4008/2674, 3-4=-3872/2752, 4-5=-4362/3221, 5-6=-4362/3222, 6-7=-3838/2909, 7-8=-3838/2909, 8-9=-3838/2909, 9-10=-56/43, 10-11=-253/308
BOT CHORD 2-18=-2354/3356, 17-18=-2354/3356, 16-17=-2439/3356, 15-16=-2439/3356, 14-15=-3383/4505, 13-14=-3383/4505, 12-13=-1804/2362, 11-12=-1804/2362
WEBS 3-18=0/110, 3-17=-276/27, 4-17=-408/652, 4-15=-1136/1336, 5-15=-548/712, 6-15=-193/217, 6-14=0/287, 6-13=-899/657, 7-13=-530/666, 9-13=-1491/1991, 9-12=0/300, 9-11=-3112/2376

NOTES
1) 2-ply truss to be connected together with 10d (0.148"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) This truss has been checked for uniform roof live load only, except as noted.
4) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
5) Provide adequate drainage to prevent water ponding.
6) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1876 lb uplift at joint 11 and 1533 lb uplift at joint 2.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 475 lb down and 446 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	T2554289
J0700444	A04	MONO HIP	1	2	Job Reference (optional)

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-4=-54, 4-10=-118(F=-64), 2-17=-20, 11-17=-44(F=-24)
Concentrated Loads (lb)
Vert: 17=-475(F)

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554290
J0700444	A05	MONO HIP	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:13 2007 Page 1

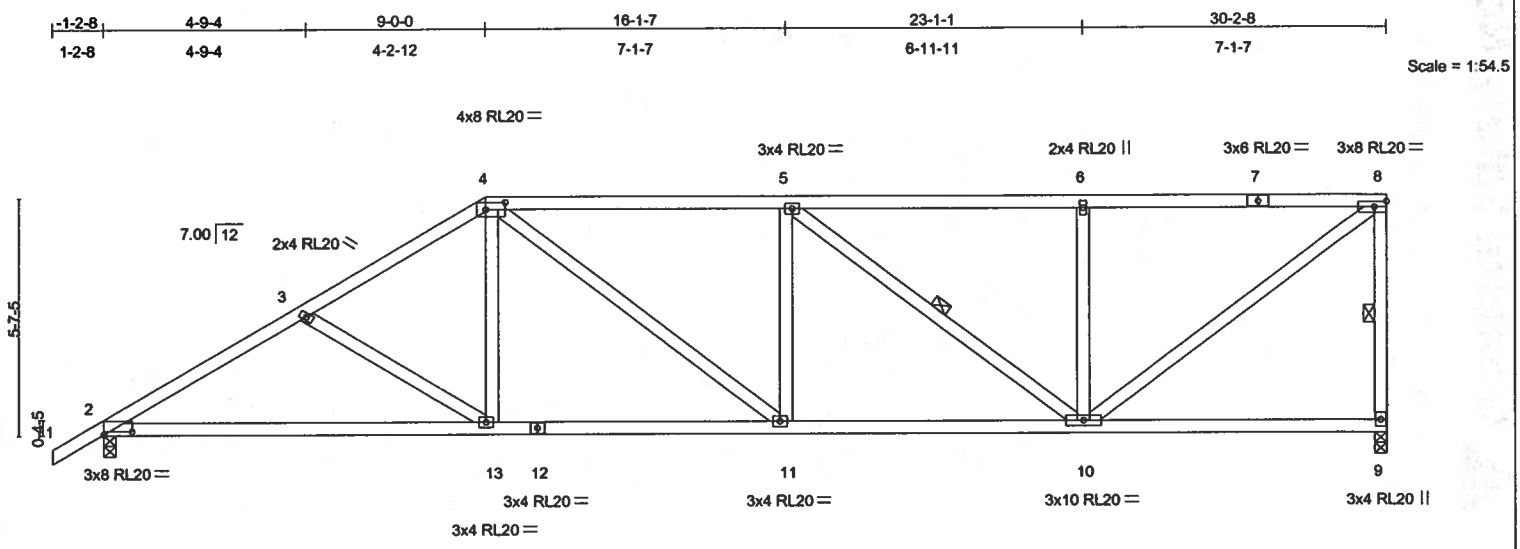


Plate Offsets (X,Y): [2:0-8-1,0-0-14], [4:0-5-8,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	-0.13	2-13	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.36	2-13	>998	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.97	Horz(TL)	0.06	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 169 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-4-10 oc bracing.
WEBS 1 Row at midpt 8-9, 5-10

REACTIONS (lb/size) 9=1105/0-3-8, 2=1182/0-3-8
Max Horz 2=342(LC 5)
Max Uplift9=-597(LC 3), 2=-491(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-1811/654, 3-4=-1607/631, 4-5=-1600/762, 5-6=-1168/606, 6-7=-1168/606, 7-8=-1168/606, 8-9=-1034/621
BOT CHORD 2-13=-751/1510, 12-13=-589/1352, 11-12=-589/1352, 10-11=-763/1600, 9-10=-26/42
WEBS 3-13=-194/251, 4-13=-47/389, 4-11=-385/310, 5-11=-57/291, 5-10=-543/247, 6-10=-390/408, 8-10=-729/1417

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 597 lb uplift at joint 9 and 491 lb uplift at joint 2.

LOAD CASE(S) Standard

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554291
J0700444	A06	MONO HIP	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:14 2007 Page 1

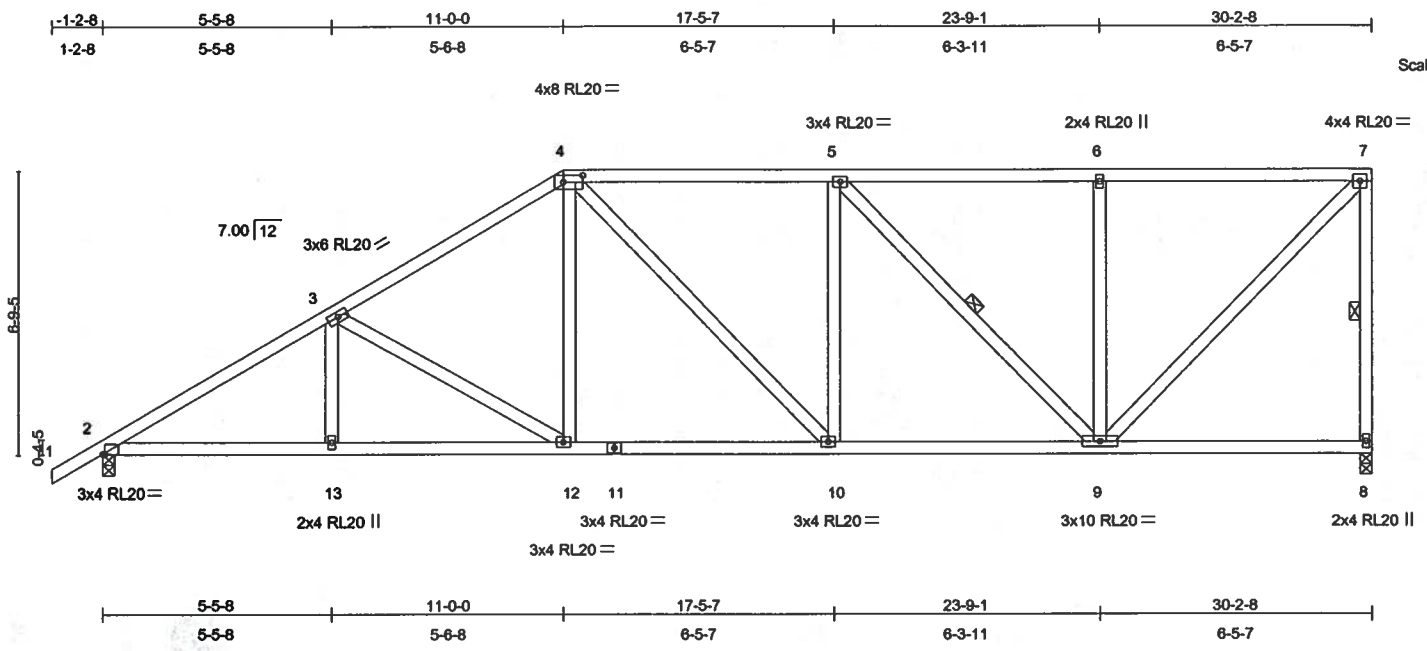


Plate Offsets (X,Y): [2:0-0-9,0-0-2], [4:0-5-8,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	0.07	10	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.16	10-12	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.81	Horz(TL)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 184 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-2-14 oc bracing.
WEBS 1 Row at midpt 7-8, 5-9

REACTIONS (lb/size) 8=1105/0-3-8, 2=1182/0-3-8
Max Horz 2=406(LC 5)
Max Uplift8=-551(LC 3), 2=-501(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-1868/630, 3-4=-1471/553, 4-5=-1280/584, 5-6=-887/417, 6-7=-887/417, 7-8=-1041/572
BOT CHORD 2-13=-799/1537, 12-13=-799/1537, 11-12=-534/1214, 10-11=-534/1214, 9-10=-584/1280, 8-9=-16/25
WEBS 3-13=0/228, 3-12=-380/306, 4-12=-91/384, 4-10=-281/93, 5-10=0/260, 5-9=-564/246, 6-9=-357/370, 7-9=-575/1235

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 551 lb uplift at joint 8 and 501 lb uplift at joint 2.

LOAD CASE(S) Standard

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554292
J0700444	A07	HIP	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:15 2007 Page 1

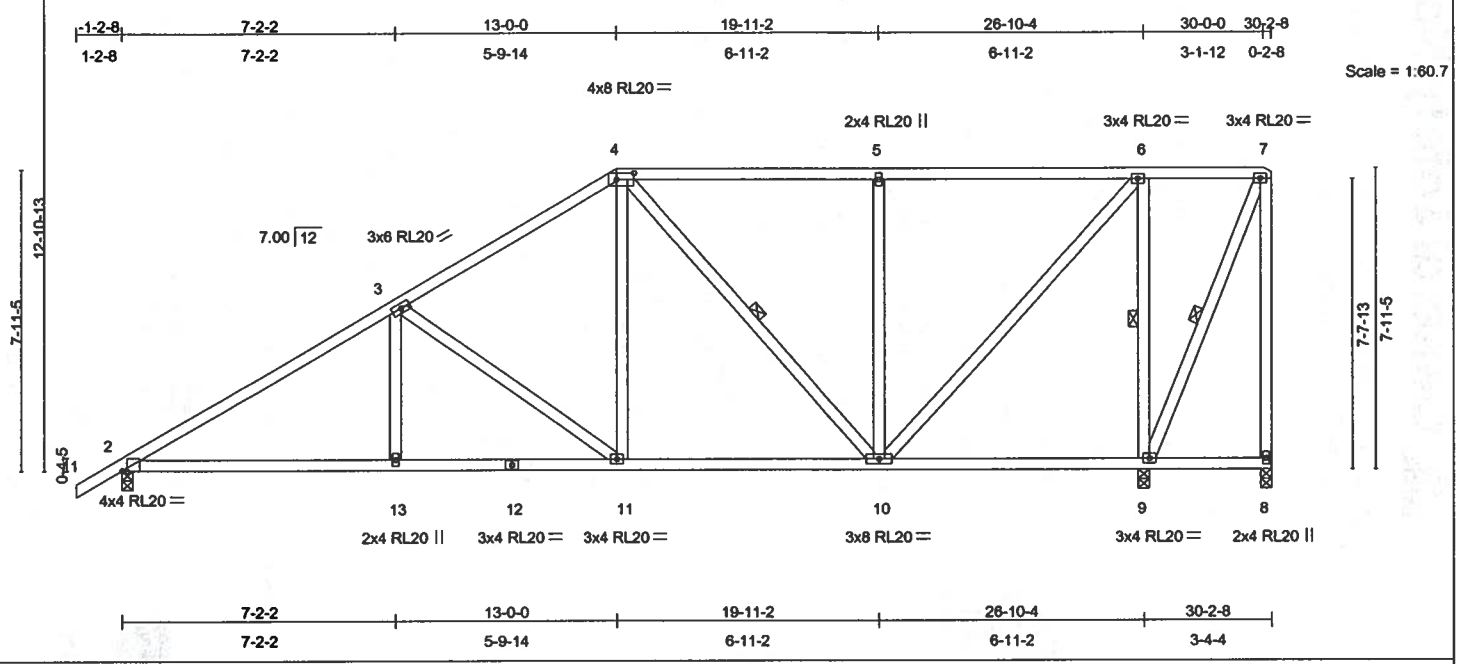


Plate Offsets (X,Y): [2:0-1-9,0-0-2], [4:0-5-8,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	0.09	2-13	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.18	2-13	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.03	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 196 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-11-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-10, 6-9, 7-9

REACTIONS (lb/size) 2=1017/0-3-8, 9=1539/0-3-8, 8=-269/0-3-8
Max Horz 2=470(LC 5)
Max Uplift 2=-444(LC 5), 9=-664(LC 4), 8=-269(LC 1)
Max Grav 2=1017(LC 1), 9=1539(LC 1), 8=127(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-1487/488, 3-4=-1014/383, 4-5=-582/267, 5-6=-582/268, 6-7=-57/131, 7-8=-117/274
BOT CHORD 2-13=-712/1196, 12-13=-712/1196, 11-12=-712/1196, 10-11=-408/811, 9-10=-131/57, 8-9=-1/0
WEBS 3-13=0/282, 3-11=-481/376, 4-11=-151/448, 4-10=-341/256, 5-10=-393/429, 6-10=-465/1061, 6-9=-1103/614, 7-9=-334/147

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 444 lb uplift at joint 2, 664 lb uplift at joint 9 and 269 lb uplift at joint 8.

LOAD CASE(S) Standard

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554293
J0700444	A08	HIP	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:15 2007 Page 1

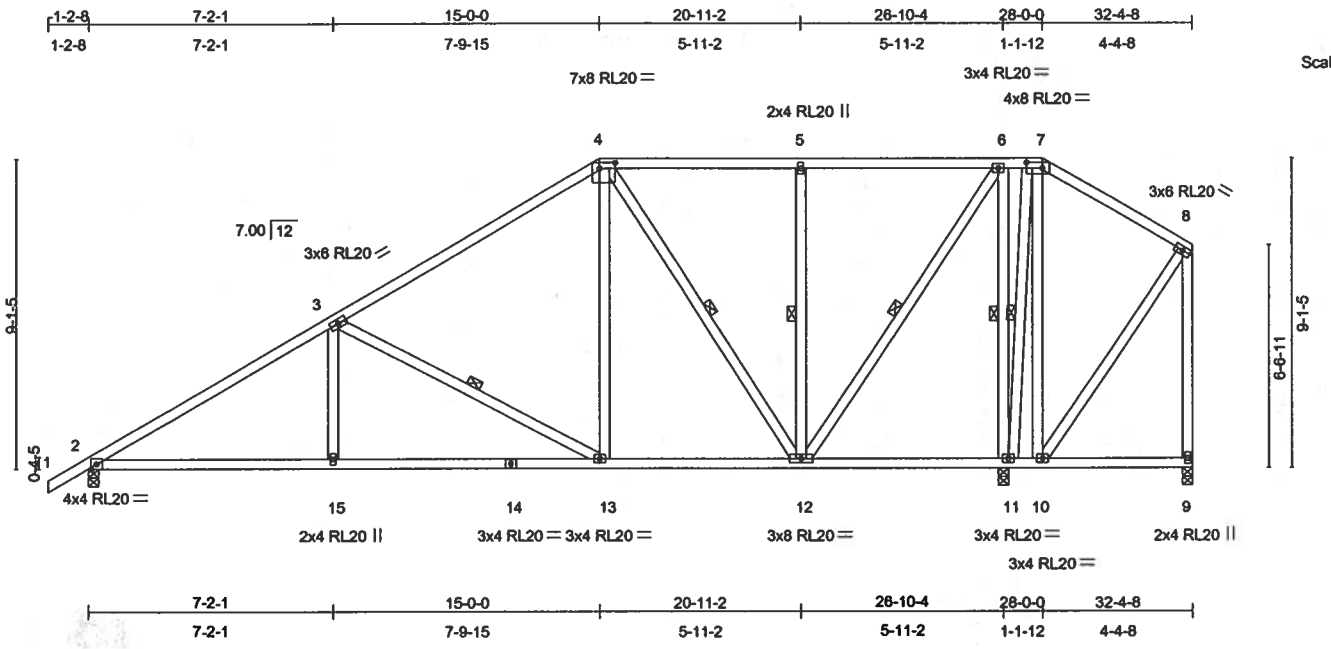


Plate Offsets (X,Y): [4:0-5-8,0-2-0], [7:0-5-8,0-2-0]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.45	Vert(LL)	-0.08	13-15	>999	360	RL20	253/171
TCDL 7.0		Lumber Increase 1.25	BC 0.40	Vert(TL)	-0.21	13-15	>999	180		
BCLL 10.0	*	Rep Stress Incr YES	WB 0.40	Horz(TL)	0.03	11	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002	(Matrix)						Weight: 236 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-13, 4-12, 5-12, 6-12, 6-11, 7-11

REACTIONS (lb/size) 2=1004/0-3-8, 11=1579/0-3-8, 9=-136/0-3-8
Max Horz 2=439(LC 5)
Max Uplift2=-457(LC 5), 11=-721(LC 4), 9=-136(LC 1)
Max Grav 2=1004(LC 1), 11=1579(LC 1), 9=186(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-1483/523, 3-4=-883/351, 4-5=-398/234, 5-6=-398/234, 6-7=-78/171, 7-8=-95/220, 8-9=-164/186
BOT CHORD 2-15=-717/1199, 14-15=-717/1199, 13-14=-717/1199, 12-13=-361/675, 11-12=-154/94, 10-11=-131/82, 9-10=-8/10
WEBS 3-15=0/331, 3-13=-601/457, 4-13=-142/490, 4-12=-496/320, 5-12=-308/381, 6-12=-537/989, 6-11=-1030/751, 7-11=-357/186, 7-10=-66/138, 8-10=-251/153

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 457 lb uplift at joint 2, 721 lb uplift at joint 11 and 136 lb uplift at joint 9.

LOAD CASE(S) Standard

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554294
J0700444	A09	COMMON	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:17 2007 Page 1

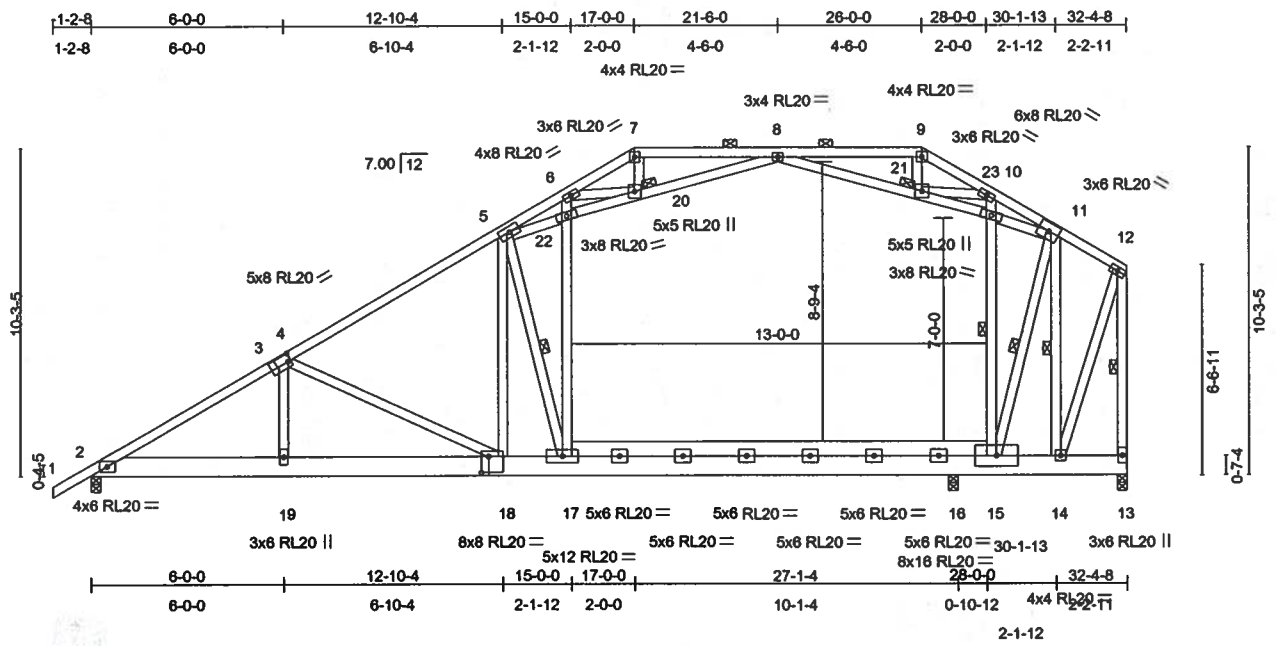


Plate Offsets (X,Y): [3:0-1-0,0-3-0], [18:0-2-12,0-6-0]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.58	Vert(LL) -0.35 17 >921 360	RL20 253/171
TCDL 7.0		Lumber Increase 1.25	BC 0.78	Vert(TL) -0.63 17 >514 180	
BCLL 10.0	*	Rep Stress Incr NO	WB 0.50	Horz(TL) 0.02 13 n/a n/a	
BCDL 10.0		Code FBC2004/TPI2002	(Matrix)		Weight: 320 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 8 SYP SS *Except*
15-17 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.2D *Except*
12-13 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-14 oc purlins, except end verticals, and 4-0-0 oc purlins (5-1-9 max.): 7-9.
BOT CHORD Rigid ceiling directly applied or 4-2-6 oc bracing.
WEBS 1 Row at midpt 5-17, 10-15, 12-13, 11-14, 11-15
JOINTS 1 Brace at Jt(s): 20, 21

REACTIONS (lb/size) 2=1421/0-3-8, 13=1170/0-3-8, 16=654/0-3-8
Max Horz 2=462(LC 5)
Max Uplift2=-600(LC 5), 13=-655(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/38, 2-3=-2370/823, 3-4=-2211/824, 4-5=-1854/680, 5-6=-4039/1418, 6-7=-1708/695, 7-8=-1566/676, 8-9=-196/433, 9-10=-204/466, 10-11=-1046/1877, 11-12=-395/236, 12-13=-1134/681
BOT CHORD 2-19=-1015/1988, 18-19=-1015/1988, 17-18=-684/1529, 16-17=-550/1020, 15-16=-457/965, 14-15=-188/289, 13-14=-7/14
WEBS 4-19=0/282, 4-18=-522/376, 5-18=-441/874, 5-17=-1877/988, 17-22=-471/1473, 6-22=-424/1324, 7-20=-192/591, 20-22=-794/2610, 8-20=-135/592, 8-21=-1506/761, 21-23=-2786/1541, 9-21=-355/220, 15-23=-1086/515, 10-23=-932/429, 5-22=-733/2439, 11-23=-2638/1463, 11-14=-2041/894, 12-14=-598/931, 11-15=-1304/2592, 6-20=-2016/657, 10-21=-779/1280

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 600 lb uplift at joint 2 and 655 lb uplift at joint 13.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-54, 7-9=-54, 9-12=-54, 2-17=-20, 15-17=-80, 13-15=-20

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554295
J0700444	A10	COMMON	2	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:18 2007 Page 1

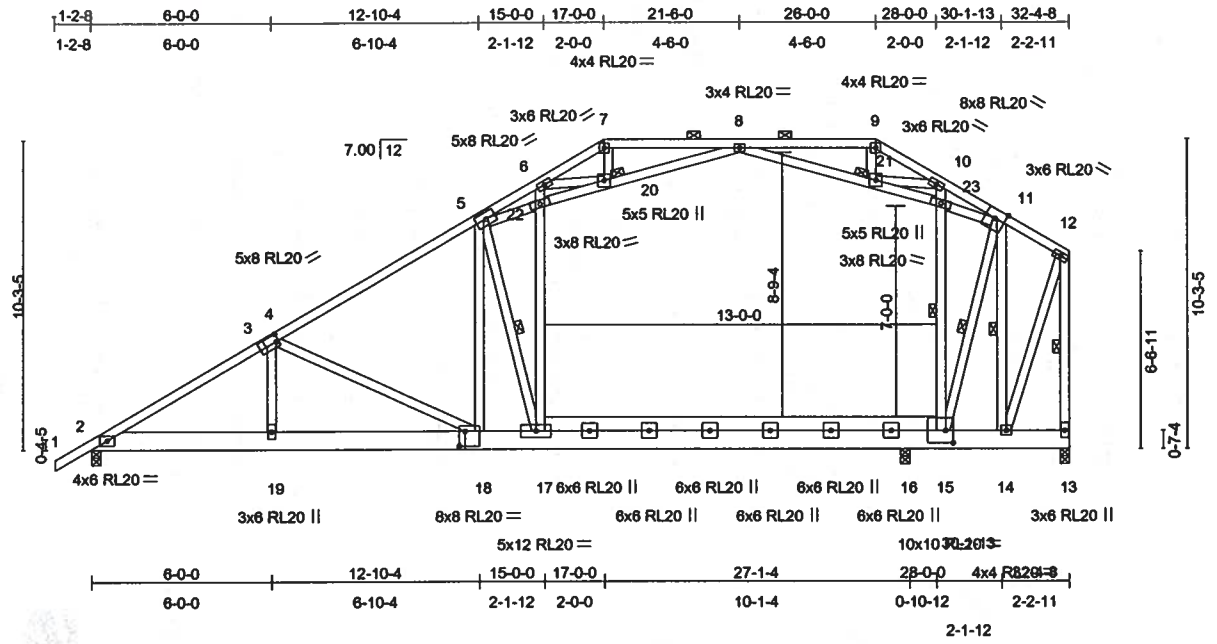


Plate Offsets (X,Y): [3:0-1-0,0-3-0], [15:0-3-0,0-5-0], [18:0-2-4,0-6-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC	0.58	Vert(LL)	-0.38	17	>848	360	RL20	253/171
TCDL 7.0		Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.68	17	>473	180		
BCLL 10.0	*	Rep Stress Incr	NO	WB	0.86	Horz(TL)	0.02	13	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002		(Matrix)							Weight: 320 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 8 SYP SS *Except*
15-17 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-11-6 oc purlins, except end verticals, and 4-0-0 oc purlins (5-2-7 max.): 7-9.
BOT CHORD Rigid ceiling directly applied or 4-0-2 oc bracing.
WEBS 1 Row at midpt 5-17, 10-15, 12-13, 11-14, 11-15
JOINTS 1 Brace at Jt(s): 20, 21

REACTIONS (lb/size) 2=1419/0-3-8, 13=1160/0-3-8, 16=666/0-3-8
Max Horz 2=462(LC 5)
Max Uplift2=-599(LC 5), 13=-655(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/38, 2-3=-2368/823, 3-4=-2209/824, 4-5=-1843/675, 5-6=-3873/1367, 6-7=-1659/680, 7-8=-1523/664, 8-9=-179/392, 9-10=-185/418, 10-11=-994/1734, 11-12=-412/245, 12-13=-1176/704
BOT CHORD 2-19=-1015/1986, 18-19=-1015/1986, 17-18=-682/1520, 16-17=-549/1014, 15-16=-455/959, 14-15=-195/302, 13-14=-7/15
WEBS 4-19=0/288, 4-18=-531/381, 5-18=-446/910, 5-17=-1870/981, 17-22=-452/1412, 6-22=-408/1271, 7-20=-182/558, 20-22=-744/2451, 8-20=-123/577, 8-21=-1456/742, 21-23=-2639/1487, 9-21=-328/210, 15-23=-1037/500, 10-23=-891/418, 5-22=-689/2297, 11-23=-2503/1414, 11-14=-2003/870, 12-14=-616/964, 11-15=-1274/2527, 6-20=-1896/619, 10-21=-743/1182

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 599 lb uplift at joint 2 and 655 lb uplift at joint 13.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-54, 7-9=-54, 9-12=-54, 2-17=-20, 15-17=-80, 13-15=-20

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554296
J0700444	A12	HIP	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:20 2007 Page 1

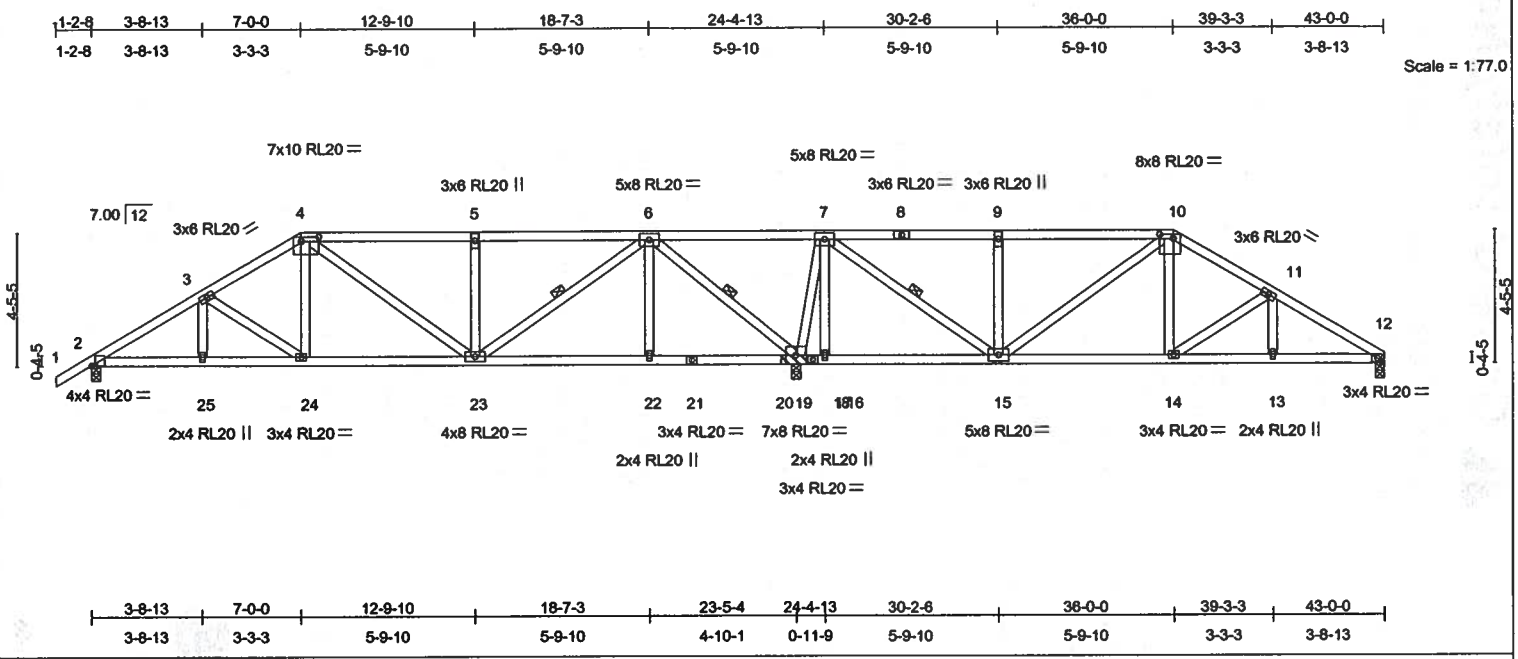


Plate Offsets (X,Y): [2:0-1-5,0-0-2], [4:0-7-0,0-1-12], [10:0-5-4,0-1-12], [12:0-1-12,0-1-8]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.79	Vert(LL)	0.14	23-24	>999	360	RL20	253/171
TCDL 7.0		Lumber Increase 1.25	BC 0.50	Vert(TL)	-0.21	23-24	>999	180		
BCLL 10.0	*	Rep Stress Incr NO	WB 0.79	Horz(TL)	0.06	12	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002	(Matrix)						Weight: 241 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-1-11 oc bracing.
WEBS 1 Row at midpt 6-23, 6-19, 7-15

REACTIONS (lb/size) 12=956/0-3-8, 2=1446/0-3-8, 19=4305/0-4-6 (0-3-8 + bearing block)
Max Horz 2=189(LC 4)
Max Uplift12=-631(LC 6), 2=-986(LC 5), 19=-3262(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-2368/1624, 3-4=-2213/1673, 4-5=-1862/1503, 5-6=-1862/1504, 6-7=-1360/1835, 7-8=-606/606, 8-9=-606/606 , 9-10=-607/605, 10-11=-1425/1111, 11-12=-1617/1092
BOT CHORD 2-25=-1493/1961, 24-25=-1493/1961, 23-24=-1545/1932, 22-23=-433/438, 21-22=-433/438, 20-21=-433/438, 19-20=-433/438, 18-19=-1393/1038, 17-18=-1393/1038, 16-17=-1393/1038, 15-16=-1393/1038, 14-15=-888/1253, 13-14=-865/1327, 12-13=-865/1327
WEBS 3-25=0/105, 3-24=-253/51, 4-24=-395/684, 4-23=-110/137, 5-23=-702/896, 6-23=-1338/1750, 6-22=0/334, 6-19=-2964/2316, 7-19=-2221/1793, 7-16=0/183, 7-15=-1833/2458, 9-15=-697/893, 10-15=-794/583, 10-14=-417/704, 11-14=-220/105, 11-13=0/114

NOTES
1) 2 X 4 SYP No.2D bearing block 12" long at jt. 19 attached to front face with 2 rows of 10d (0.148"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SYP.
2) This truss has been checked for uniform roof live load only, except as noted.
3) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
4) Provide adequate drainage to prevent water ponding.
5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 631 lb uplift at joint 12, 986 lb uplift at joint 2 and 3262 lb uplift at joint 19.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 475 lb down and 446 lb up at 36-0-0, and 475 lb down and 446 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Continued on page 2

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554296
J0700444	A12	HIP	1	1	Job Reference (optional)

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-4=-54, 4-10=-118(F=-64), 10-12=-54, 2-24=-20, 14-24=-44(F=-24), 12-14=-20

Concentrated Loads (lb)

Vert: 24=-475(F) 14=-475(F)

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert #5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554297
J0700444	A13	HIP	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:21 2007 Page 1

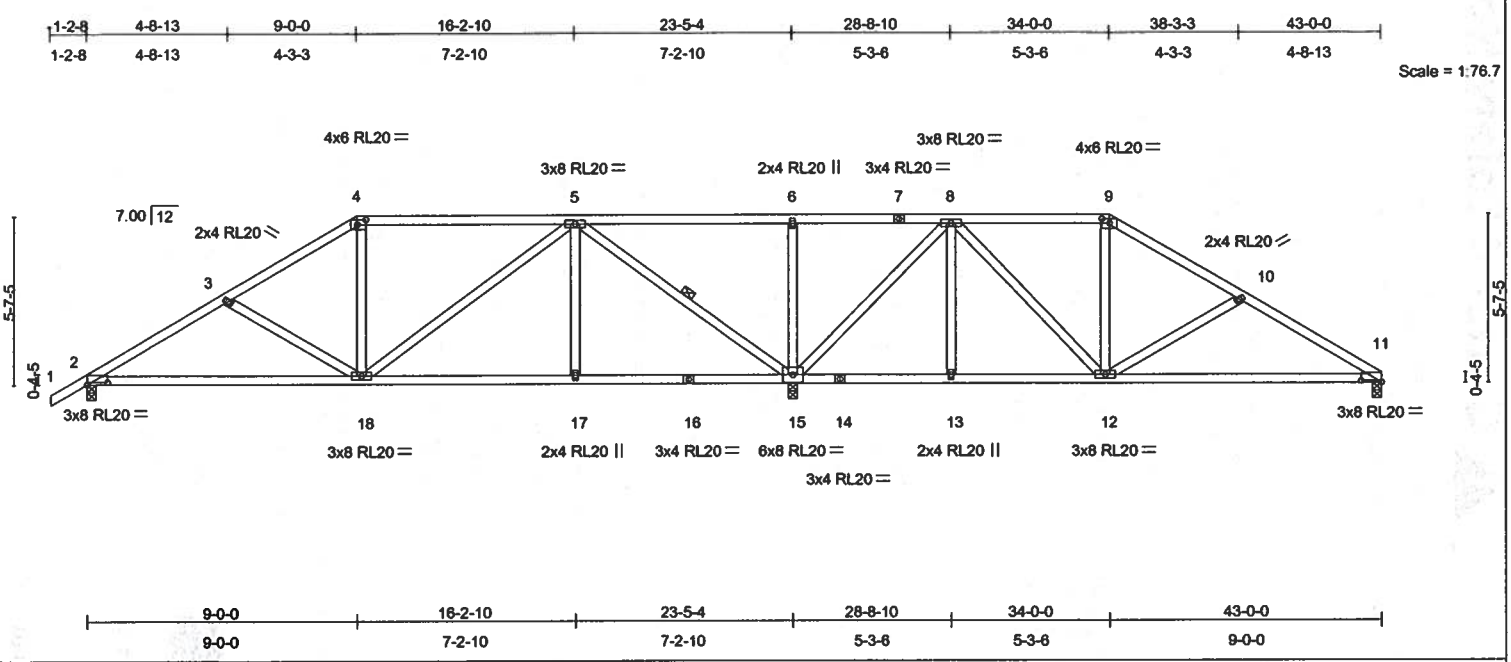


Plate Offsets (X,Y): [2:0-8-1,0-0-14], [4:0-3-8,0-2-0], [9:0-3-0,0-1-12], [11:0-8-1,0-0-10]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.41	Vert(LL) -0.12 11-12 >999 360	RL20 253/171
TCDL 7.0		Lumber Increase 1.25	BC 0.46	Vert(TL) -0.32 11-12 >721 180	
BCLL 10.0	*	Rep Stress Incr YES	WB 0.92	Horz(TL) 0.03 11 n/a n/a	
BCDL 10.0		Code FBC2004/TPI2002	(Matrix)		Weight: 233 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 8-10-5 oc bracing: 2-18.
WEBS 1 Row at midpt 5-15

REACTIONS (lb/size) 11=532/0-3-8, 2=782/0-3-8, 15=1919/0-3-8
Max Horz 2=237(LC 4)
Max Uplift11=-248(LC 6), 2=-386(LC 5), 15=-954(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-1051/445, 3-4=-835/404, 4-5=-679/400, 5-6=-243/625, 6-7=-243/625, 7-8=-243/625, 8-9=-378/293, 9-10=-500/287, 10-11=-736/388
BOT CHORD 2-18=-534/864, 17-18=-347/397, 16-17=-347/397, 15-16=-347/397, 14-15=-30/122, 13-14=-30/122, 12-13=-30/122, 11-12=-250/602
WEBS 3-18=-218/260, 4-18=0/226, 5-18=-160/353, 5-17=0/268, 5-15=-1268/703, 6-15=-345/351, 8-15=-954/459, 8-13=0/142, 8-12=-177/475, 9-12=-36/131, 10-12=-260/289

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 248 lb uplift at joint 11, 386 lb uplift at joint 2 and 954 lb uplift at joint 15.

LOAD CASE(S) Standard

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554298
J0700444	A14	HIP	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:22 2007 Page 1

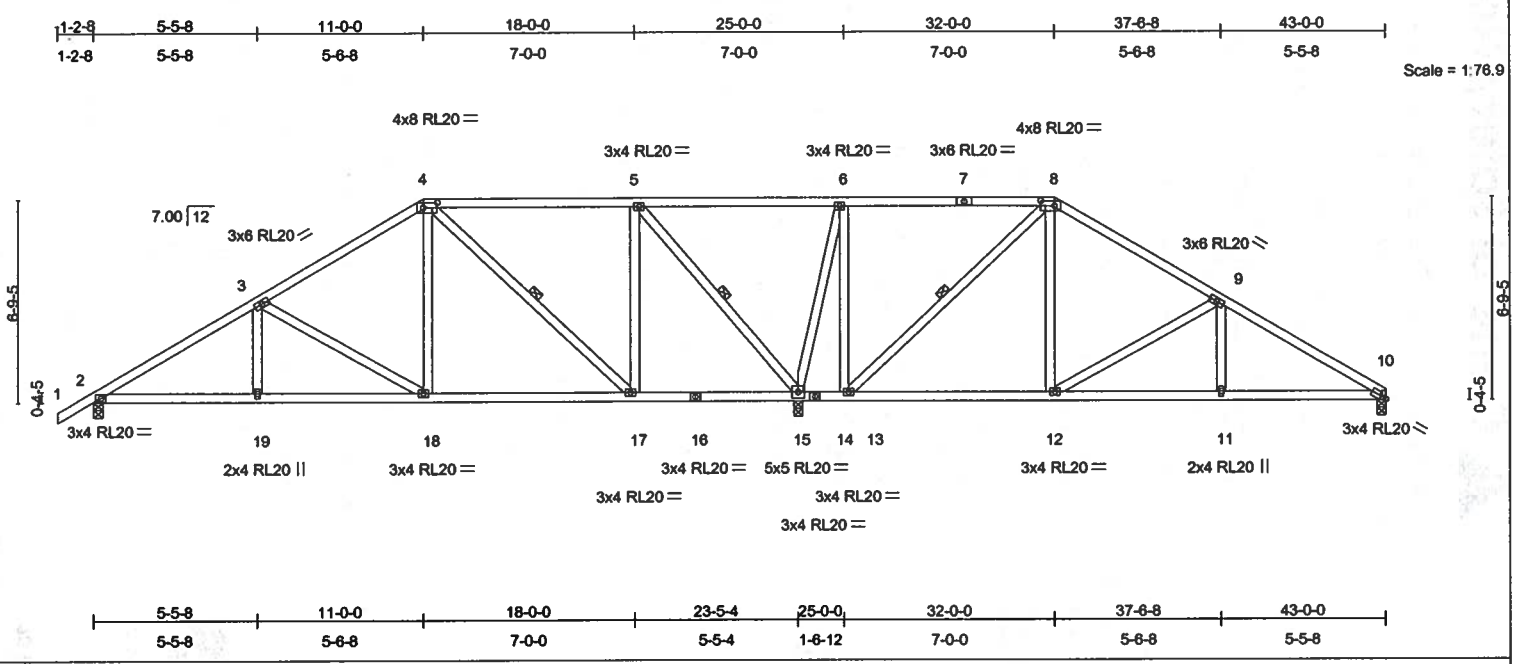


Plate Offsets (X,Y): [4:0-5-8,0-2-0], [8:0-5-8,0-2-0], [10:0-2-4,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.04	17-18	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	-0.12	17-18	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.79	Horz(TL)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 248 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-17, 5-15, 8-13

REACTIONS (lb/size) 10=538/0-3-8, 2=787/0-3-8, 15=1909/0-3-8
Max Horz 2=286(LC 4)
Max Uplift10=-254(LC 6), 2=-392(LC 5), 15=-834(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-1110/422, 3-4=-706/340, 4-5=-183/216, 5-6=-162/529, 6-7=-70/294, 7-8=-70/294, 8-9=-374/261, 9-10=-794/367
BOT CHORD 2-19=-515/890, 18-19=-515/890, 17-18=-380/555, 16-17=-246/188, 15-16=-246/188, 14-15=-294/300, 13-14=-294/300, 12-13=-44/268, 11-12=-222/622, 10-11=-222/622
WEBS 3-19=0/225, 3-18=-393/312, 4-18=-90/404, 4-17=-508/250, 5-17=-100/510, 5-15=-1107/589, 6-15=-1005/509, 6-13=-148/588, 8-13=-765/315, 8-12=-99/413, 9-12=-415/338, 9-11=0/226

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 254 lb uplift at joint 10, 392 lb uplift at joint 2 and 834 lb uplift at joint 15.

LOAD CASE(S) Standard

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554299
J0700444	A15	HIP	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:23 2007 Page 1

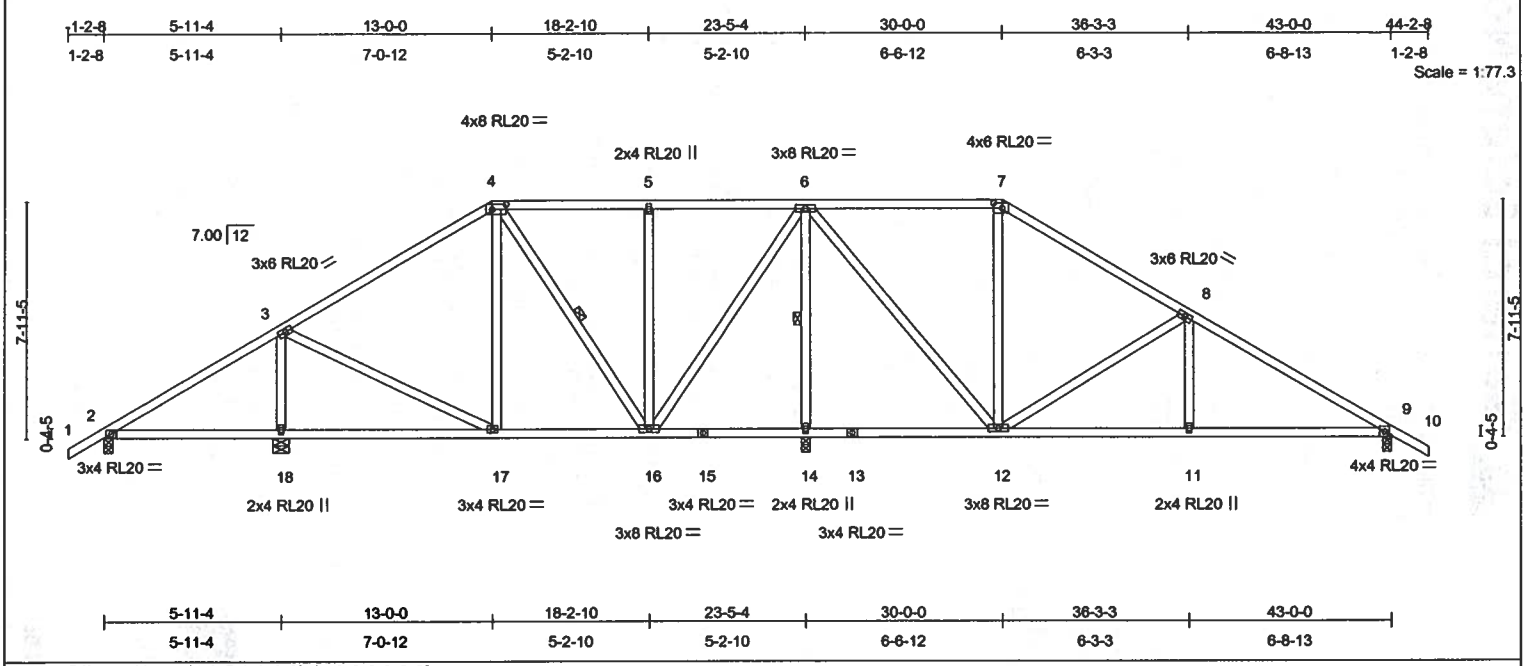


Plate Offsets (X,Y): [4:0-5-8,0-2-0], [7:0-3-8,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC	0.36	Vert(LL)	0.06	9-11	>999	360	RL20	253/171
TCDL 7.0		Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.12	9-11	>999	180		
BCLL 10.0	*	Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.02	9	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002		(Matrix)							Weight: 255 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-16, 6-14

REACTIONS (lb/size) 2=225/0-3-8, 18=877/0-6-7, 14=1475/0-3-8, 9=730/0-3-8
Max Horz 2=-320(LC 3)
Max Uplift2=-153(LC 5), 18=-403(LC 5), 14=-605(LC 3), 9=-416(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-157/174, 3-4=-440/247, 4-5=-194/254, 5-6=-194/254, 6-7=-320/360, 7-8=-461/323, 8-9=-957/448, 9-10=0/32
BOT CHORD 2-18=-120/195, 17-18=-120/195, 16-17=-278/294, 15-16=-128/293, 14-15=-128/293, 13-14=-128/293, 12-13=-128/293, 11-12=-216/748, 9-11=-216/748
WEBS 3-18=-721/464, 3-17=-179/357, 4-17=-29/144, 4-16=-178/106, 5-16=-243/307, 6-16=-265/572, 6-14=-1343/659, 6-12=-284/697, 7-12=-153/139, 8-12=-500/383, 8-11=0/282

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 153 lb uplift at joint 2, 403 lb uplift at joint 18, 605 lb uplift at joint 14 and 416 lb uplift at joint 9.

LOAD CASE(S) Standard

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554300
J0700444	A16	SPECIAL	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:24 2007 Page 1

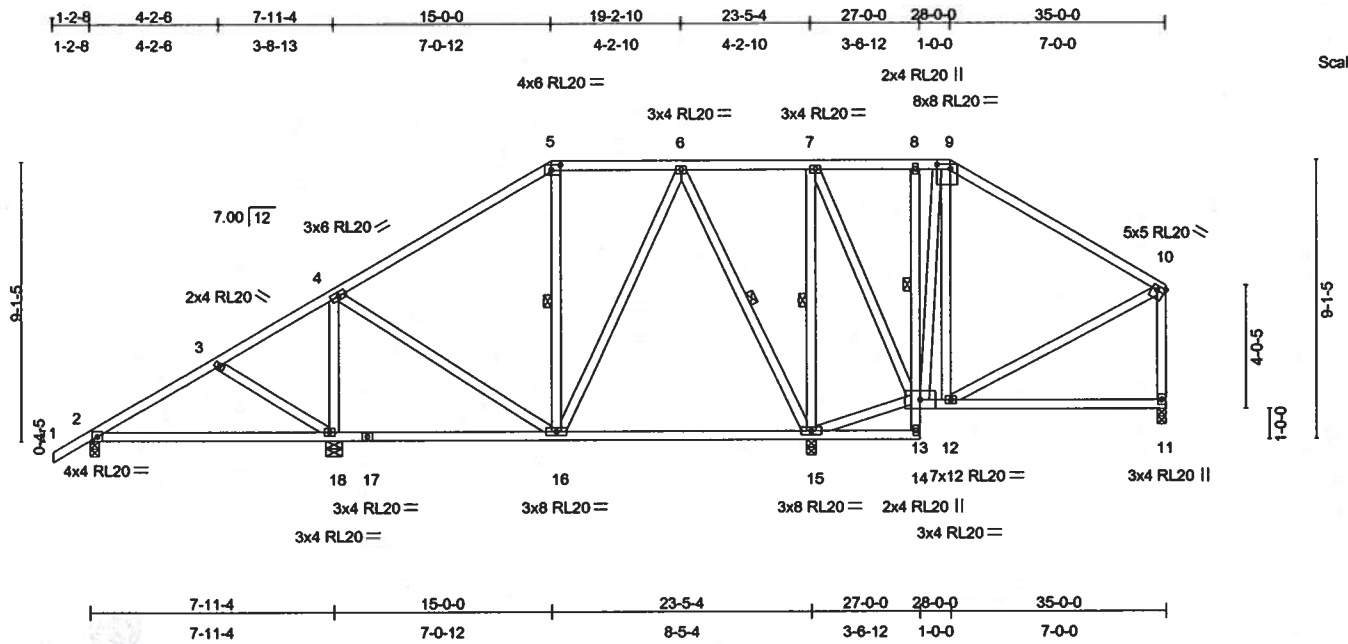


Plate Offsets (X,Y): [5:0-3-8,0-2-0], [9:0-5-4,0-1-12], [10:Edge,0-1-12]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.63	Vert(LL)	-0.07	15-16	>999	360	RL20	253/171
TCDL 7.0		Lumber Increase 1.25	BC 0.33	Vert(TL)	-0.18	15-16	>999	180		
BCLL 10.0	*	Rep Stress Incr YES	WB 0.37	Horz(TL)	0.01	11	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002	(Matrix)						Weight: 259 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
8-14 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 14-15,13-14.
6-0-0 oc bracing: 8-13
WEBS 1 Row at midpt 5-16, 6-15, 7-15

REACTIONS (lb/size) 2=343/0-3-8, 11=427/0-3-8, 18=896/0-6-7, 15=975/0-3-8
Max Horz 2=381(LC 5)
Max Uplift2=-134(LC 5), 11=-181(LC 6), 18=-471(LC 5), 15=-467(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-244/82, 3-4=-154/126, 4-5=-416/180, 5-6=-273/238, 6-7=-30/156, 7-8=-137/203, 8-9=-137/203, 9-10=-305/156, 10-11=-353/205
BOT CHORD 2-18=-209/177, 17-18=-99/74, 16-17=-99/74, 15-16=-149/197, 14-15=-33/11, 13-14=-1/4, 8-13=-175/171, 12-13=-24/187, 11-12=-47/64
WEBS 3-18=-183/180, 4-18=-641/449, 4-16=-96/303, 5-16=-177/200, 6-16=-109/182, 6-15=-391/301, 7-15=-483/343, 13-15=0/66, 7-13=-135/273, 9-13=-342/231, 9-12=0/257, 10-12=-38/139

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 2, 181 lb uplift at joint 11, 471 lb uplift at joint 18 and 467 lb uplift at joint 15.

LOAD CASE(S) Standard

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554301
J0700444	A17	SPECIAL	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:25 2007 Page 1

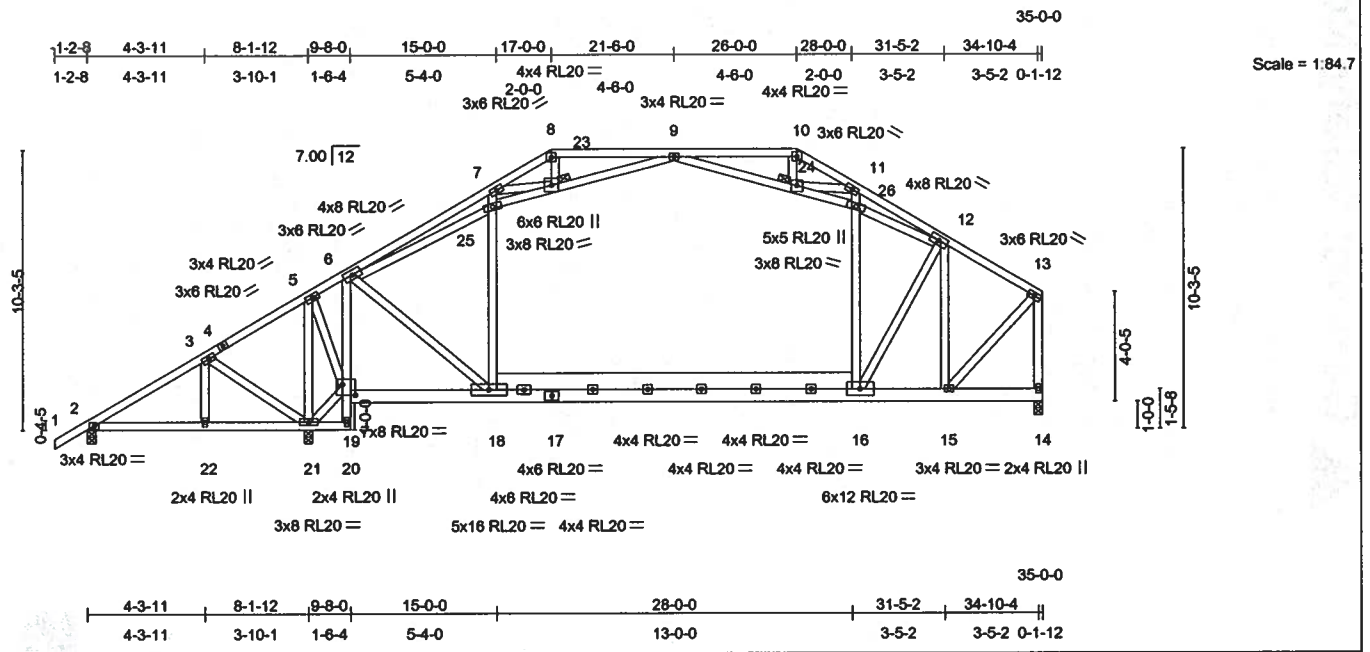


Plate Offsets (X,Y): [19:0-5-8,0-4-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.16	16-18	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.25	16-18	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.04	14	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 309 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 6 SYP No.2 *Except*
2-20 2 X 4 SYP No.2D, 6-20 2 X 4 SYP No.3, 16-18 2 X 8 SYP SS
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 19-20.
4-11-0 oc bracing: 6-19
JOINTS 1 Brace at Jt(s): 23, 24

REACTIONS (lb/size) 2=261/0-3-8, 21=1825/0-3-8, 14=1353/0-3-8
Max Horz 2=408(LC 4)
Max Uplift2=-287(LC 3), 21=-717(LC 5), 14=-390(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-269/587, 3-4=-288/673, 4-5=-279/688, 5-6=-275/704, 6-7=-961/142, 7-8=-522/198, 8-9=-428/183, 9-10=-657/284, 10-11=-746/290, 11-12=-1426/301, 12-13=-888/285, 13-14=-1276/402
BOT CHORD 2-22=-258/79, 21-22=-258/79, 20-21=-42/88, 19-20=-17/10, 6-19=-1271/418, 18-19=-387/217, 17-18=-323/950, 16-17=-315/1011, 15-16=-190/731, 14-15=-14/26
WEBS 3-22=0/169, 3-21=-296/224, 5-21=-1303/510, 19-21=-480/136, 5-19=-345/1021, 6-18=-206/1027, 18-25=0/287, 7-25=-15/349, 7-23=-376/72, 8-23=-20/109, 23-25=-243/818, 9-23=-607/438, 9-24=-369/590, 24-26=0/1521, 10-24=-30/272, 11-24=-928/92, 16-26=0/429, 11-26=0/512, 12-16=-486/570, 12-15=-906/205, 13-15=-264/1037, 6-25=-273/809, 12-26=0/1479

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 287 lb uplift at joint 2, 717 lb uplift at joint 21 and 390 lb uplift at joint 14.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-8=-54, 8-10=-54, 10-13=-54, 2-20=-20, 18-19=-20, 16-18=-80, 14-16=-20

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554302
J0700444	A18	SPECIAL	3	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:26 2007 Page 1

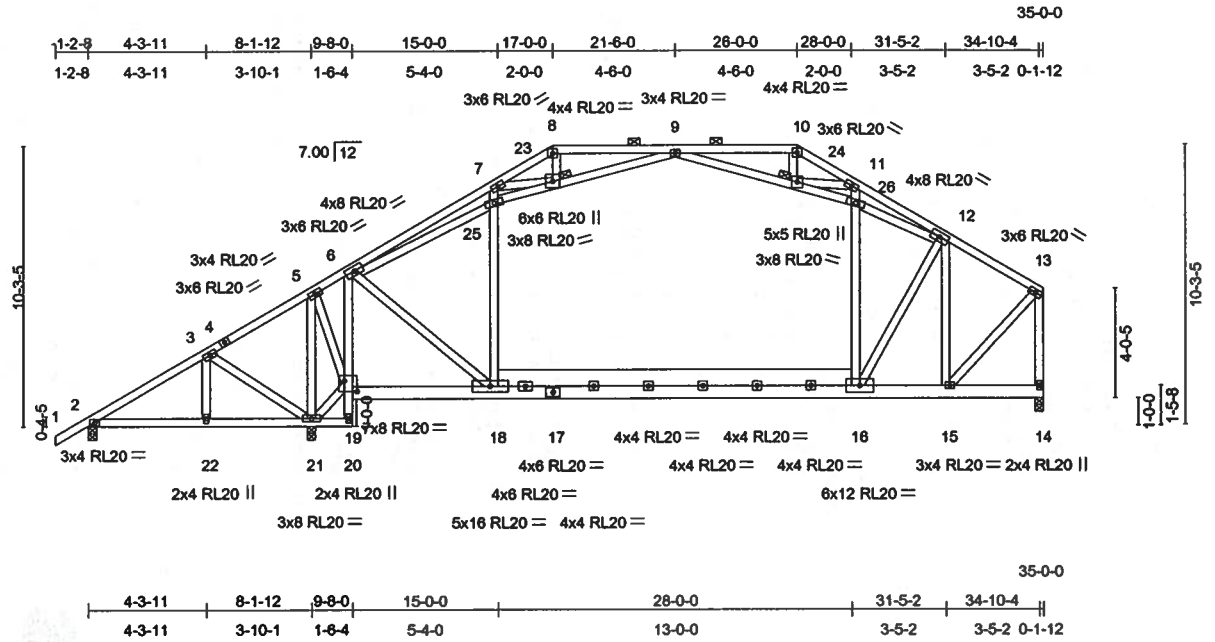


Plate Offsets (X,Y): [19:0-5-8,0-4-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.16	16-18	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.25	16-18	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.54	Horz(TL)	0.04	14	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 309 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 6 SYP No.2 *Except*
2-20 2 X 4 SYP No.2D, 6-20 2 X 4 SYP No.3, 16-18 2 X 8 SYP SS
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-6 oc purlins, except end verticals, and 4-0-0 oc purlins (6-0-0 max.): 8-10.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 19-20.
4-11-0 oc bracing: 6-19
JOINTS 1 Brace at Jt(s): 23, 24

REACTIONS (lb/size) 2=261/0-3-8, 21=1825/0-3-8, 14=1353/0-3-8
Max Horz 2=408(LC 4)
Max Uplift2=-287(LC 3), 21=-717(LC 5), 14=-390(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-269/587, 3-4=-288/673, 4-5=-279/688, 5-6=-275/704, 6-7=-961/142, 7-8=-522/198, 8-9=-428/183, 9-10=-657/284, 10-11=-746/290, 11-12=-1426/301, 12-13=-888/285, 13-14=-1276/402
BOT CHORD 2-22=-258/79, 21-22=-258/79, 20-21=-42/88, 19-20=-17/10, 6-19=-1271/418, 18-19=-387/217, 17-18=-323/950, 16-17=-315/1011, 15-16=-190/731, 14-15=-14/26
WEBS 3-22=0/169, 3-21=-296/224, 5-21=-1303/510, 19-21=-480/136, 5-19=-345/1021, 6-18=-206/1027, 18-25=0/287, 7-25=-15/349, 7-23=-376/72, 8-23=-20/109, 23-25=-243/818, 9-23=-607/438, 9-24=-369/590, 24-26=0/1521, 10-24=-30/272, 11-24=-928/92, 16-26=0/429, 11-26=0/512, 12-16=-486/570, 12-15=-906/205, 13-15=-264/1037, 6-25=-273/809, 12-26=0/1479

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 287 lb uplift at joint 2, 717 lb uplift at joint 21 and 390 lb uplift at joint 14.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-8=-54, 8-10=-54, 10-13=-54, 2-20=-20, 18-19=-20, 16-18=-80, 14-16=-20

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554303
J0700444	A21	SPECIAL	2	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:27 2007 Page 1

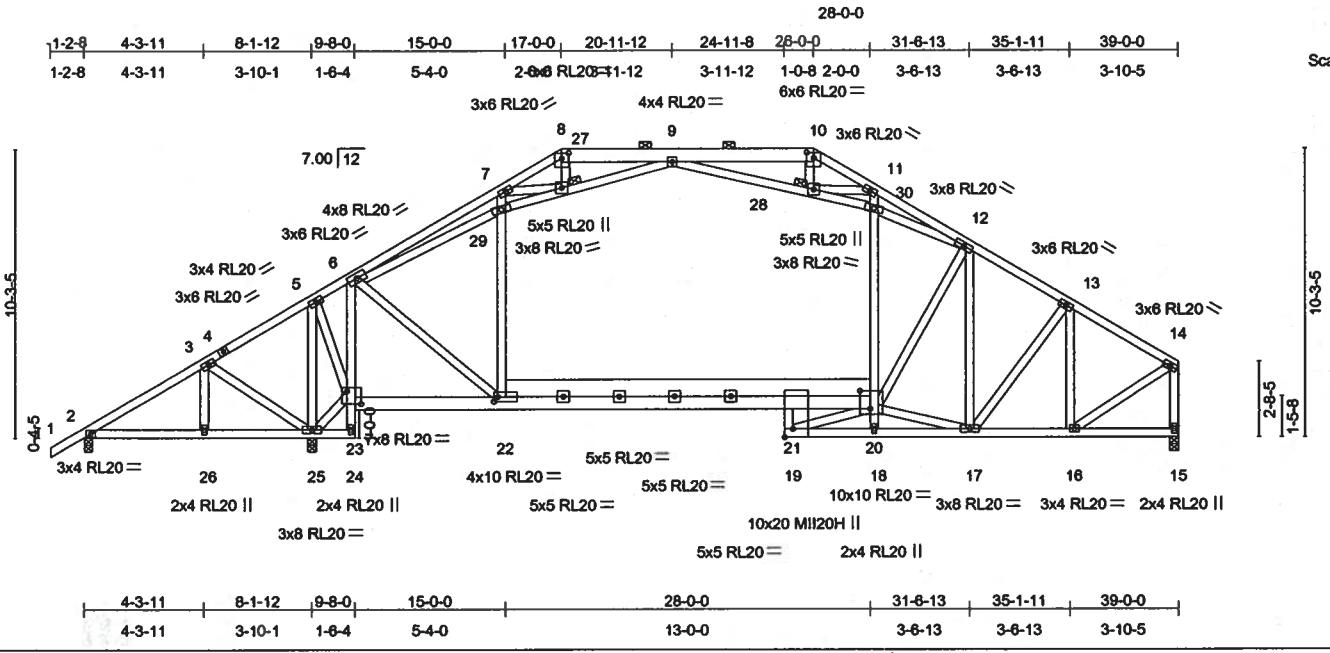


Plate Offsets (X,Y): [8:0-3-0,0-2-5], [10:0-3-0,0-2-5], [20:0-4-8,0-7-12], [21:Edge,0-3-8], [22:0-1-8,0-2-0], [23:0-6-0,0-5-8]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.46	Vert(LL) -0.28 21-22 >999 360	MII20H 187/143
TCDL 7.0		Lumber Increase 1.25	BC 0.95	Vert(TL) -0.43 21-22 >860 180	RL20 253/171
BCLL 10.0	*	Rep Stress Incr NO	WB 0.69	Horz(TL) 0.10 15 n/a n/a	
BCDL 10.0		Code FBC2004/TPI2002	(Matrix)		Weight: 354 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2D *Except* 8-10 2 X 6 SYP No.2
BOT CHORD 2 X 4 SYP No.2D *Except* 6-24 2 X 4 SYP No.3, 20-23 2 X 6 SYP No.2, 20-22 2 X 8 SYP SS
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-4 oc purlins, except end verticals, and 4-0-0 oc purlins (6-0-0 max.): 8-10.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 23-24
9-6-8 oc bracing: 22-23
6-2-6 oc bracing: 21-22.
5-4-0 oc bracing: 6-23
8-0-0 oc bracing: 20-21
JOINTS 1 Brace at Jt(s): 27, 28

REACTIONS (lb/size) 2=575/0-3-8, 15=1639/0-3-8, 25=1695/0-3-8
Max Horz 2=417(LC 4)
Max Uplift2=-318(LC 3), 15=-479(LC 6), 25=-681(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-741/646, 3-4=-467/733, 4-5=-411/748, 5-6=-1018/757, 6-7=-1199/236, 7-8=-513/208, 8-9=-423/190, 9-10=-1378/439, 10-11=-1505/452, 11-12=-3556/715, 12-13=-1781/574, 13-14=-1463/437, 14-15=-1593/489
BOT CHORD 2-26=-225/584, 25-26=-225/584, 24-25=-47/188, 23-24=-18/16, 6-23=-1117/397, 22-23=-348/850, 21-22=-351/1584, 20-21=-386/1387, 19-21=-168/243, 18-19=-403/432, 17-18=-389/428, 16-17=-316/1220, 15-16=-23/42
WEBS 3-26=0/167, 3-25=-276/220, 5-25=-1661/517, 23-25=-425/244, 5-23=-372/1333, 6-22=-153/939, 22-29=-3/284, 7-29=0/342, 7-27=-583/145, 8-27=-59/233, 27-29=-626/792, 9-27=-1221/495, 9-28=-211/443, 28-30=-169/1595, 19-20=-247/394, 10-28=-100/561, 11-28=-1815/317, 18-20=0/148, 20-30=-60/1023, 11-30=-66/1134, 12-20=-486/261, 12-17=-724/230, 13-17=-102/448, 13-16=-718/243, 14-16=-351/1414, 6-29=-668/792, 12-30=-142/1513, 17-20=-305/1188

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 318 lb uplift at joint 2, 479 lb uplift at joint 15 and 681 lb uplift at joint 25.
8) Load case(s) 1 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard Except:

Continued on page 2

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554303
J0700444	A21	SPECIAL	2	1	Job Reference (optional)

LOAD CASE(S) Standard Except:

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-8=-54, 8-10=-54, 10-14=-54, 2-24=-20, 22-23=-20, 21-22=-80, 20-21=-60, 18-19=-80, 15-18=-20

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554304
J0700444	A21A	SPECIAL	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:29 2007 Page 1

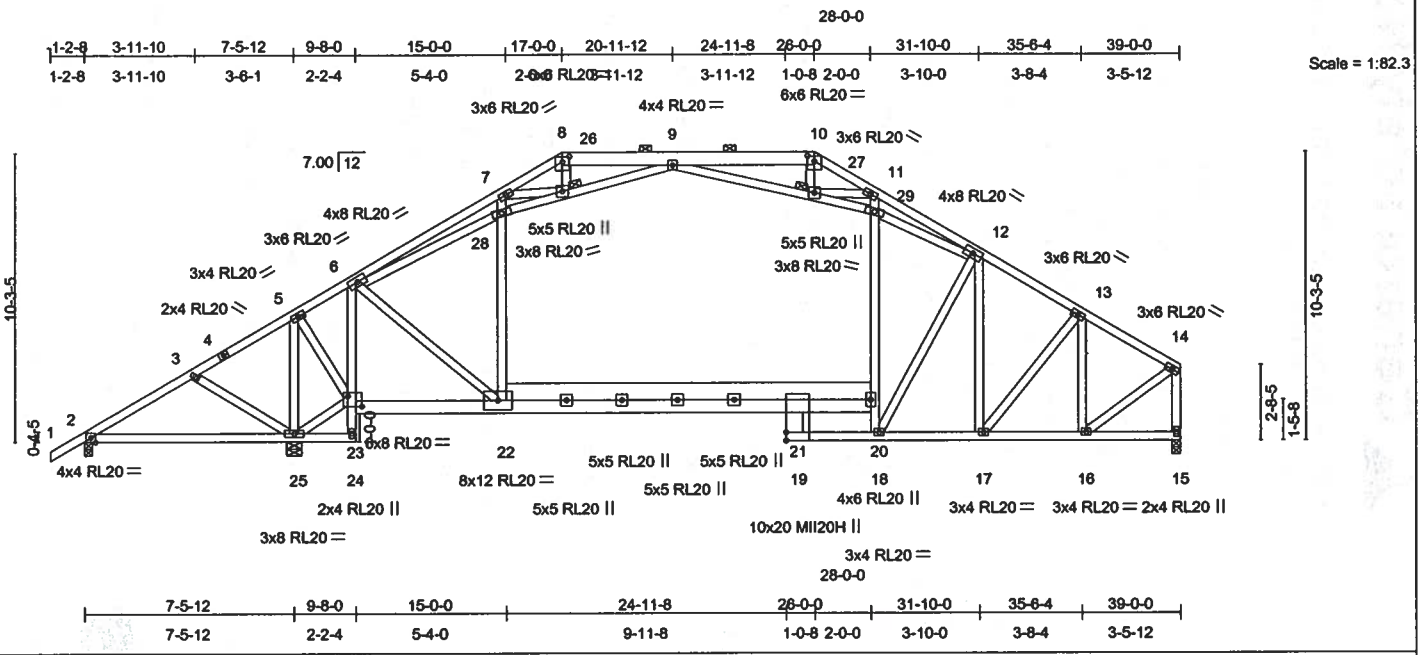


Plate Offsets (X,Y): [8:0-3-0,0-2-5], [10:0-3-0,0-2-5], [23:0-6-4,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.33	21-22	>999	360	MII20H	187/143
TCDL	7.0	Lumber Increase	1.25	BC	0.90	Vert(TL)	-0.50	21-22	>754	180	RL20	253/171
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.58	Horz(TL)	0.13	15	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 343 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D *Except* 8-10 2 X 6 SYP No.2
BOT CHORD 2 X 4 SYP No.2D *Except* 6-24 2 X 4 SYP No.3, 20-23 2 X 6 SYP No.2, 19-21 2 X 8 SYP SS, 20-22 2 X 8 SYP SS
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-15 oc purlins, except end verticals, and 4-0-0 oc purlins (6-0-0 max.): 8-10.
BOT CHORD Rigid ceiling directly applied or 3-9-9 oc bracing. Except: 4-9-0 oc bracing: 6-23, 10-0-0 oc bracing: 20-21
JOINTS 1 Brace at Jt(s): 26, 27

REACTIONS (lb/size) 2=220/0-3-8, 15=1593/0-3-8, 25=2096/0-6-7
Max Horz 2=417(LC 4)
Max Uplift2=-361(LC 3), 15=-493(LC 6), 25=-724(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-461/740, 3-4=-518/787, 4-5=-510/801, 5-6=-646/763, 6-7=-1263/281, 7-8=-561/222, 8-9=-469/203, 9-10=-1072/464, 10-11=-1182/483, 11-12=-2728/824, 12-13=-1710/582, 13-14=-1348/427, 14-15=-1552/500
BOT CHORD 2-25=-299/30, 24-25=-55/119, 23-24=-63/0, 6-23=-1405/401, 22-23=-350/519, 21-22=-288/1408, 20-21=-87/62, 19-21=-15/119, 18-19=-290/1346, 17-18=-332/1439, 16-17=-314/1124, 15-16=-20/36
WEBS 3-25=-229/236, 5-25=-1617/578, 23-25=-400/194, 5-23=-378/1294, 6-22=-268/1146, 22-28=0/310, 7-28=0/358, 7-26=-600/172, 8-26=-72/227, 26-28=-379/820, 9-26=-990/512, 9-27=-350/444, 27-29=-254/1391, 11-27=-1298/422, 10-27=-133/408, 18-20=-120/334, 20-29=-70/659, 11-29=-82/778, 12-18=-374/222, 13-16=-736/266, 14-16=-365/1352, 6-28=-421/819, 12-17=-336/113, 13-17=-78/491, 12-29=-203/1286

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 361 lb uplift at joint 2, 493 lb uplift at joint 15 and 724 lb uplift at joint 25.
8) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-8=-54, 8-10=-54, 10-14=-54, 2-24=-20, 22-23=-20, 21-22=-80, 20-21=-60, 18-19=-80, 15-18=-20

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554305
J0700444	A21B	COMMON	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:30 2007 Page 1

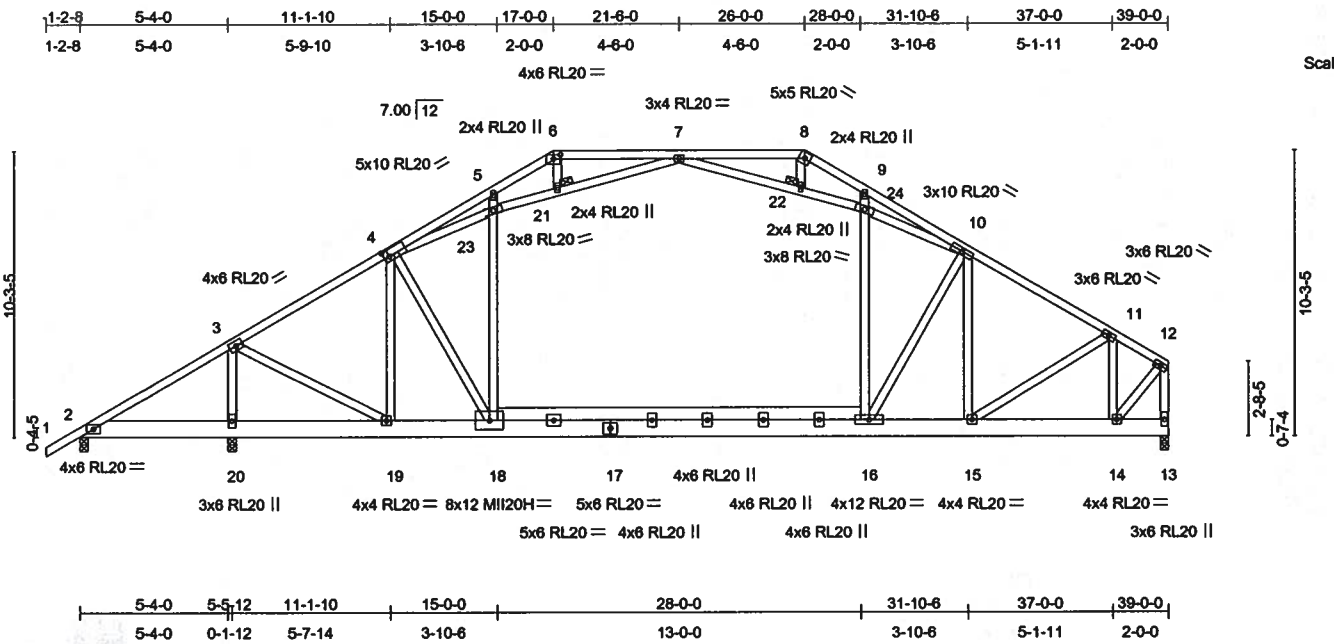


Plate Offsets (X,Y): [4:0-2-4,0-3-0], [6:0-3-0,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.95	Vert(LL)	-0.33	16-18	>999	360	MII20H	187/143
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.57	16-18	>697	180	RL20	253/171
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.96	Horz(TL)	0.02	13	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 347 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 8 SYP SS *Except*
16-18 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-7-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 21, 22

REACTIONS (lb/size) 2=-341/0-3-8, 20=2558/0-3-8, 13=1518/0-3-8
Max Horz 2=417(LC 4)
Max Uplift2=-626(LC 3), 20=-825(LC 5), 13=-484(LC 6)
Max Grav 2=36(LC 5), 20=2558(LC 1), 13=1518(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/38, 2-3=-414/1266, 3-4=-1033/692, 4-5=-1078/256, 5-6=-881/316, 6-7=-846/320, 7-8=-1273/500, 8-9=-1274/481, 9-10=-1593/478, 10-11=-1693/575, 11-12=-946/297, 12-13=-1455/451
BOT CHORD 2-20=-898/179, 19-20=-898/179, 18-19=-532/806, 17-18=-453/1285, 16-17=-443/1305, 15-16=-336/1424, 14-15=-255/803, 13-14=-3/36
WEBS 3-20=-2235/842, 3-19=-485/1969, 4-19=-1394/265, 4-18=-53/963, 18-23=0/288, 5-23=0/226, 6-21=-17/74, 21-23=-473/577, 7-21=-486/574, 7-22=-44/764, 22-24=-26/773, 8-22=-28/103, 16-24=-57/593, 9-24=-30/508, 10-16=-650/375, 10-15=-206/386, 11-15=-124/727, 11-14=-942/413, 12-14=-403/1224, 4-23=-508/576, 10-24=-84/744

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 626 lb uplift at joint 2, 825 lb uplift at joint 20 and 484 lb uplift at joint 13.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-54, 6-8=-54, 8-12=-54, 2-18=-20, 16-18=-80, 13-16=-20

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554306
J0700444	A21C	COMMON	3	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:31 2007 Page 1

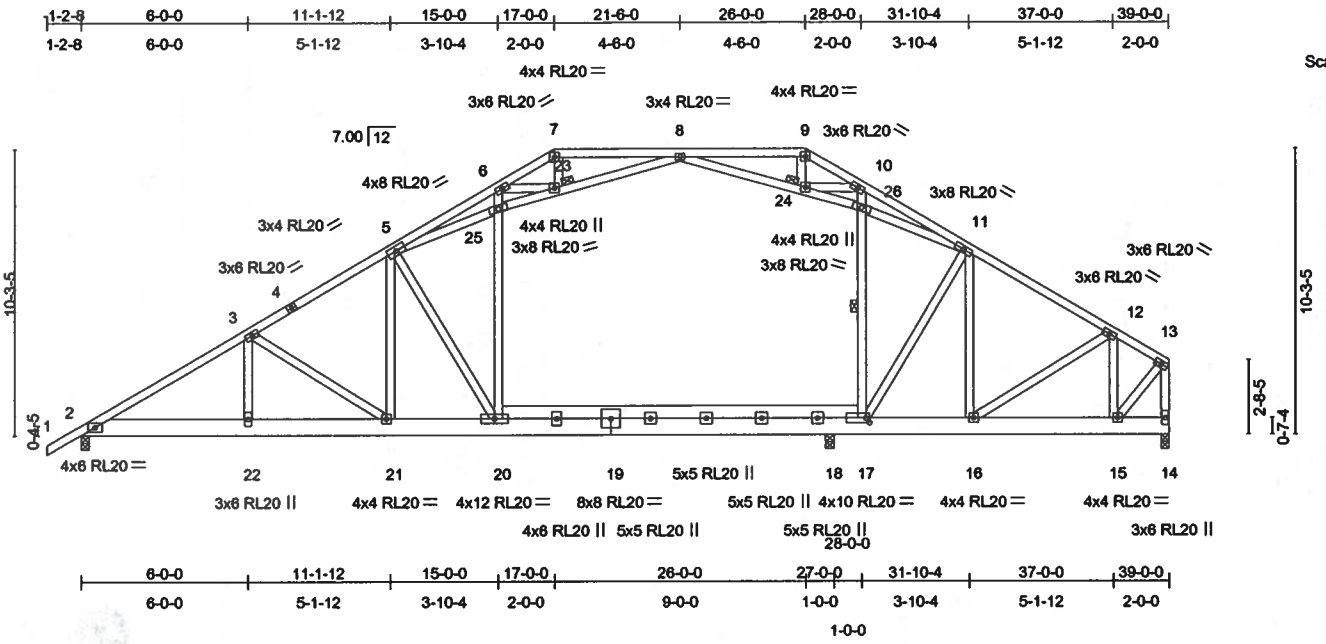


Plate Offsets (X,Y): [17:0-1-8,0-2-0]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.40	Vert(LL)	-0.28	18-20	>999	360	RL20	253/171
TCDL 7.0		Lumber Increase 1.25	BC 0.52	Vert(TL)	-0.50	20	>646	180		
BCLL 10.0	*	Rep Stress Incr YES	WB 1.00	Horz(TL)	0.04	14	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002	(Matrix)						Weight: 353 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 8 SYP SS *Except*
17-20 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-0-8 oc bracing.
WEBS 1 Row at midpt 10-17
JOINTS 1 Brace at Jt(s): 23, 24

REACTIONS (lb/size) 2=1583/0-3-8, 14=1254/0-3-8, 18=880/0-3-8
Max Horz 2=417(LC 4)
Max Uplift2=-664(LC 5), 14=-441(LC 5), 18=-238(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/38, 2-3=-2656/937, 3-4=-2290/850, 4-5=-2213/871, 5-6=-3817/1341, 6-7=-1729/700, 7-8=-1577/669, 8-9=-211/234, 9-10=-277/236, 10-11=-219/223, 11-12=-1294/545, 12-13=-809/288, 13-14=-1258/435
BOT CHORD 2-22=-1011/2230, 21-22=-1011/2230, 20-21=-867/1882, 19-20=-750/1382, 18-19=-747/1382, 17-18=-668/1394, 16-17=-496/1095, 15-16=-247/704, 14-15=-13/21
WEBS 3-22=0/212, 3-21=-382/291, 5-21=-265/497, 5-20=-1057/619, 20-25=-277/1084, 6-25=-299/1158, 6-23=-1823/646, 7-23=-232/650, 23-25=-616/2024, 8-23=0/623, 8-24=-1228/625, 24-26=-1317/821, 9-24=-26/104, 10-24=-287/94, 17-26=-125/229, 10-26=-189/247, 11-17=-539/615, 11-16=-708/379, 12-16=-325/417, 12-15=-685/338, 13-15=-387/1091, 5-25=-585/1940, 11-26=-1312/814

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 664 lb uplift at joint 2, 441 lb uplift at joint 14 and 238 lb uplift at joint 18.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-7=-54, 7-9=-54, 9-13=-54, 2-20=-20, 17-20=-80, 14-17=-20

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554307
J0700444	A22	MONO TRUSS	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:31 2007 Page 1

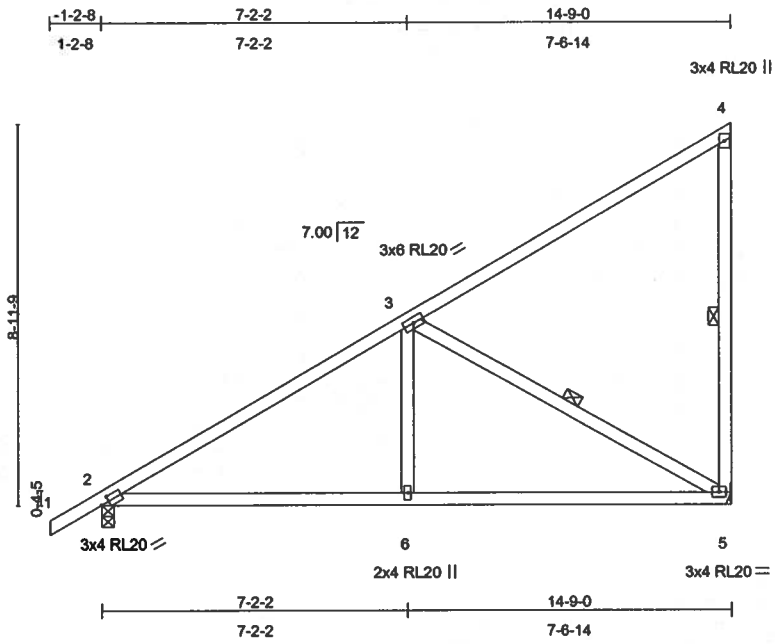


Plate Offsets (X,Y): [2:0-2-4,0-1-8]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.51	Vert(LL) -0.06 5-6 >999 360	RL20 253/171
TCDL 7.0		Lumber Increase 1.25	BC 0.33	Vert(TL) -0.14 5-6 >999 180	
BCLL 10.0	*	Rep Stress Incr YES	WB 0.22	Horz(TL) 0.01 5 n/a n/a	
BCDL 10.0		Code FBC2004/TPI2002	(Matrix)		Weight: 80 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-9-13 oc bracing.
WEBS 1 Row at midpt 4-5, 3-5

REACTIONS (lb/size) 5=532/Mechanical, 2=612/0-3-8
Max Horz 2=521(LC 5)
Max Uplift5=-397(LC 5), 2=-223(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-722/67, 3-4=-139/63, 4-5=-164/202
BOT CHORD 2-6=-409/548, 5-6=-409/548
WEBS 3-6=0/333, 3-5=-604/450

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 397 lb uplift at joint 5 and 223 lb uplift at joint 2.

LOAD CASE(S) Standard

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554308
J0700444	A23	COMMON	1	2	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:33 2007 Page 1

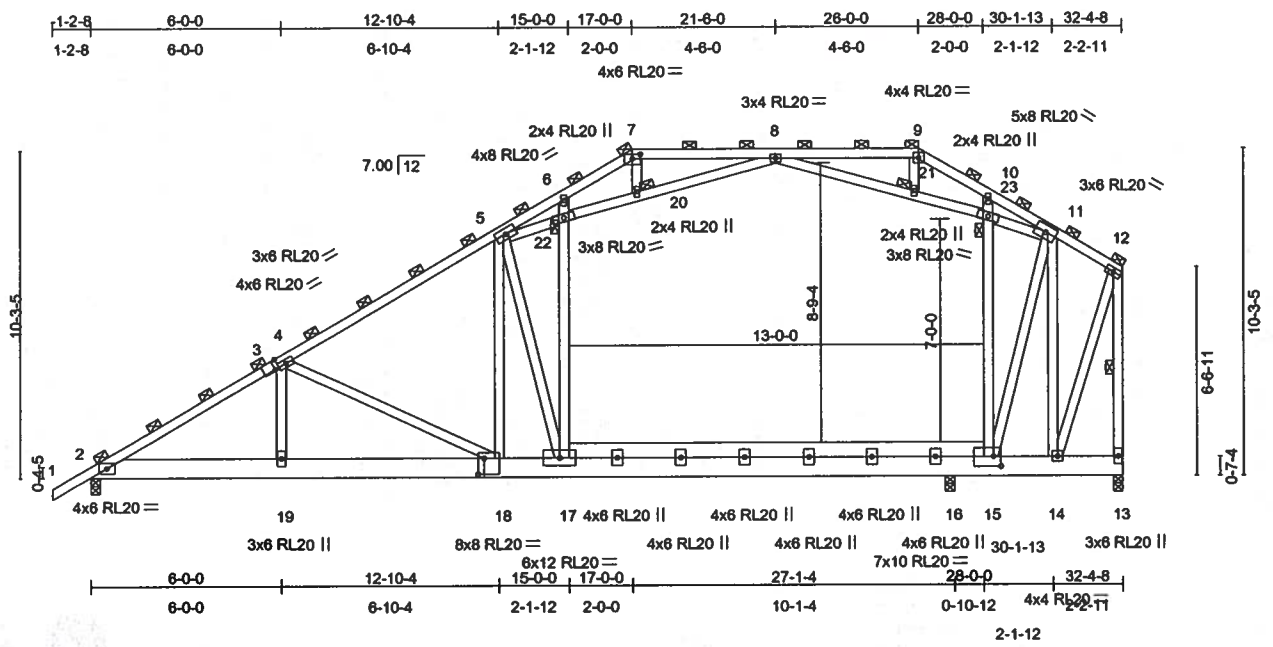


Plate Offsets (X,Y): [3:0-1-10,Edge], [7:0-3-0,0-1-12], [15:0-2-12,0-3-12], [18:0-2-4,0-6-0]

LOADING (psf)		SPACING 3-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.82	Vert(LL)	0.33	17-18	>961	360	RL20	253/171
TCDL 7.0		Lumber Increase 1.25	BC 0.71	Vert(TL)	-0.66	17	>490	180		
BCLL 10.0	*	Rep Stress Incr NO	WB 0.71	Horz(TL)	0.02	13	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002	(Matrix)						Weight: 628 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 8 SYP SS *Except*
15-17 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD 2-0-0 oc purlins (6-0-0 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 12-13
JOINTS 1 Brace at Jt(s): 7, 9, 20, 21, 22, 23, 12

REACTIONS (lb/size) 2=2056/0-3-8, 13=1782/0-3-8, 16=630/0-3-8
Max Horz 2=693(LC 5)
Max Uplift2=-901(LC 5), 13=-1382(LC 4)
Max Grav 2=2056(LC 1), 13=1782(LC 1), 16=1140(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/57, 2-3=-3398/1235, 3-4=-3160/1235, 4-5=-2637/1048, 5-6=-2331/1000, 6-7=-1818/862, 7-8=-1814/908, 8-9=-22/236, 9-10=-115/286, 10-11=-53/122, 11-12=-627/506, 12-13=-1753/1433
BOT CHORD 2-19=-1521/2843, 18-19=-1521/2843, 17-18=-1161/2185, 16-17=-988/1447, 15-16=-756/1306, 14-15=-384/434, 13-14=-18/27
WEBS 4-19=0/427, 4-18=-758/558, 5-18=-931/2028, 5-17=-2758/1531, 17-22=-401/1091, 6-22=-360/979, 7-20=-38/101, 20-22=-95/1077, 8-20=-88/1069, 8-21=-1524/1023, 21-23=-1527/1026, 9-21=-16/23, 15-23=-696/379, 10-23=-576/331, 5-22=-46/1005, 11-23=-1420/959, 11-14=-3405/1826, 12-14=-1209/1389, 11-15=-2186/3610

NOTES
1) 2-ply truss to be connected together with 10d (0.148"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) This truss has been checked for uniform roof live load only, except as noted.
4) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
5) Provide adequate drainage to prevent water ponding.
6) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 901 lb uplift at joint 2 and 1382 lb uplift at joint 13.
9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	T2554308
J0700444	A23	COMMON	1	2	Job Reference (optional)

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-7=-81, 7-9=-81, 9-12=-81, 2-17=-30, 15-17=-90, 13-15=-30

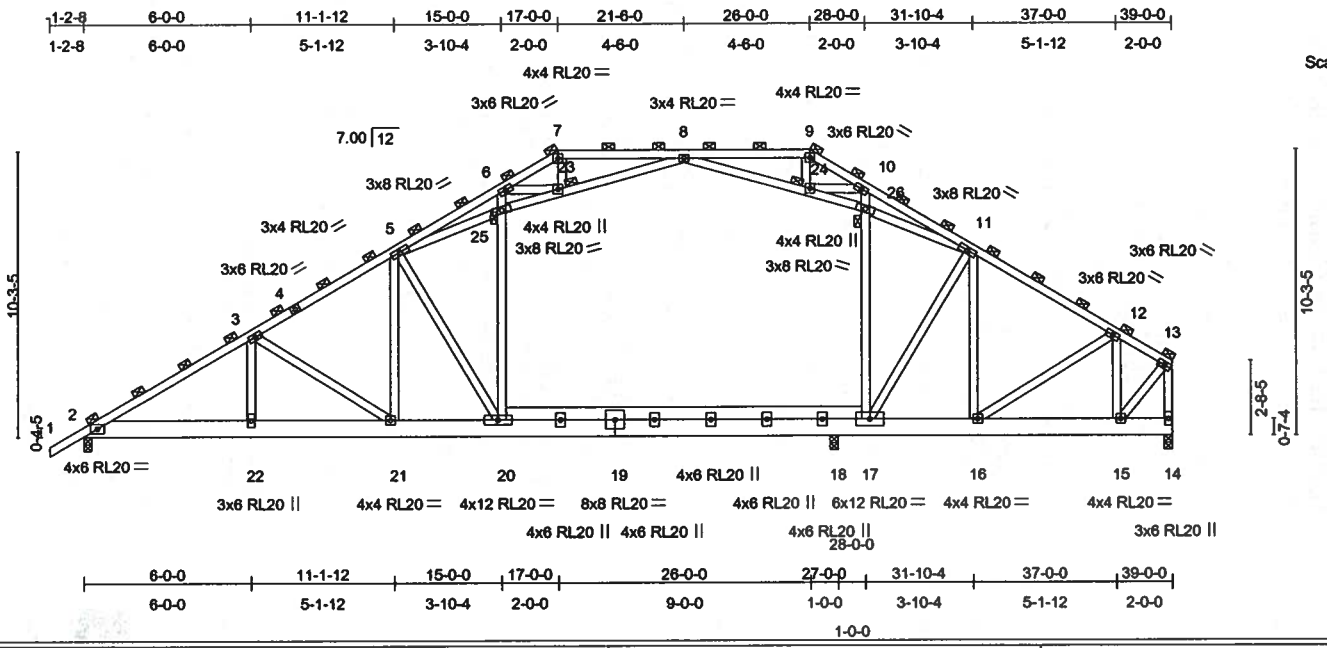
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554309
J0700444	A24	COMMON	1	2	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:35 2007 Page 1



LOADING (psf)		SPACING	3-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.17	20	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.34	20	>950	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.45	Horz(TL)	0.03	14	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 705 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 8 SYP SS *Except*
17-20 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD 2-0-0 oc purlins (5-11-14 max.), except end verticals (Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 7, 9, 23, 24, 13, 25, 26

REACTIONS (lb/size) 2=2267/0-3-8, 14=1814/0-3-8, 18=1105/0-3-8
Max Horz 2=626(LC 4)
Max Uplift2=-996(LC 5), 14=-662(LC 5), 18=-357(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/57, 2-3=-3773/1406, 3-4=-3221/1275, 4-5=-3105/1307, 5-6=-5054/2011, 6-7=-2330/1050, 7-8=-2119/1004, 8-9=-317/352, 9-10=-416/354, 10-11=-308/334, 11-12=-1869/817, 12-13=-1163/432, 13-14=-1810/653
BOT CHORD 2-22=-1516/3163, 21-22=-1516/3163, 20-21=-1301/2637, 19-20=-1125/1935, 18-19=-1120/1933, 17-18=-1001/1953, 16-17=-743/1572, 15-16=-370/1014, 14-15=-19/30
WEBS 3-22=0/319, 3-21=-575/437, 5-21=-397/750, 5-20=-1492/928, 20-25=-416/1394, 6-25=-448/1486, 6-23=-2371/969, 7-23=-347/846, 23-25=-923/2561, 8-23=0/935, 8-24=-1694/938, 24-26=-1846/1231, 9-24=-39/155, 10-24=-431/159, 17-26=-201/343, 10-26=-290/370, 11-17=-808/772, 11-16=-914/569, 12-16=-487/602, 12-15=-1005/507, 13-15=-581/1570, 5-25=-878/2450, 11-26=-1839/1221

NOTES
1) 2-ply truss to be connected together with 10d (0.148"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) This truss has been checked for uniform roof live load only, except as noted.
4) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
5) Provide adequate drainage to prevent water ponding.
6) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 996 lb uplift at joint 2, 662 lb uplift at joint 14 and 357 lb uplift at joint 18.
9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	T2554309
J0700444	A24	COMMON	1	2	Job Reference (optional)

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-7=-81, 7-9=-81, 9-13=-81, 2-20=-30, 17-20=-90, 14-17=-30

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554310
J0700444	A25	COMMON	5	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:36 2007 Page 1

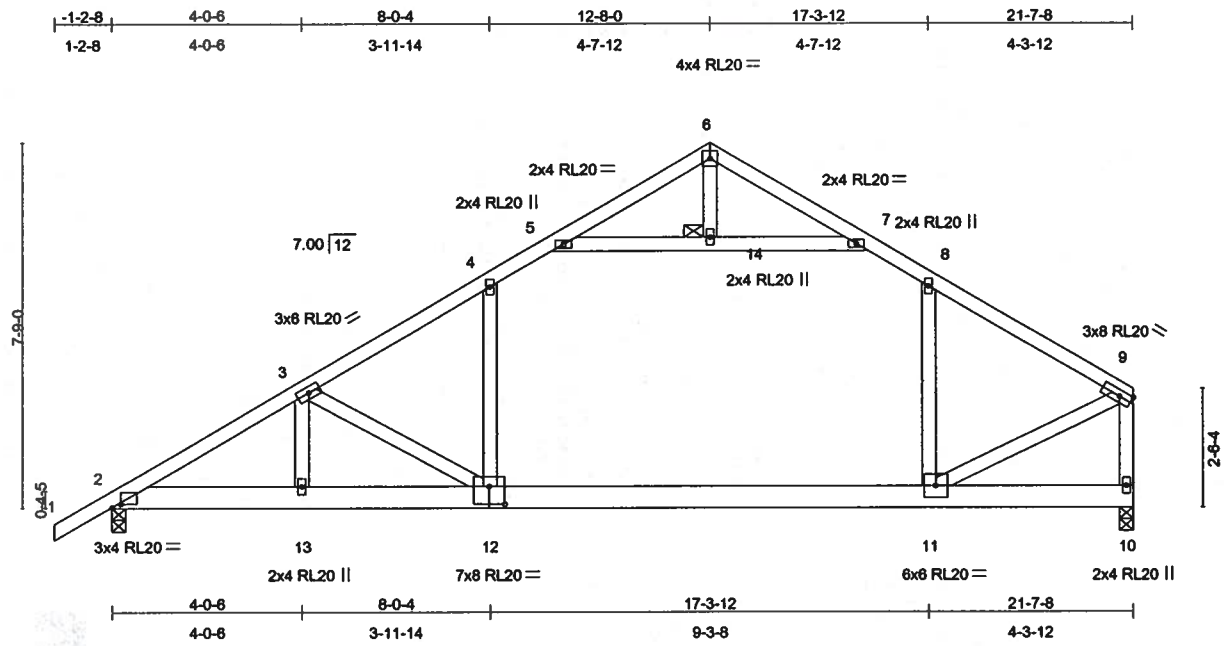


Plate Offsets (X,Y): [2:0-2-4,0-0-14], [12:0-4-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.79	Vert(LL)	-0.33	11-12	>774	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.56	11-12	>454	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.39	Horz(TL)	0.02	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 134 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 6 SYP No.2 *Except*
10-12 2 X 6 SYP SS
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-1-14 oc bracing.
JOINTS 1 Brace at Jt(s): 14

REACTIONS (lb/size) 2=1096/0-3-8, 10=1115/0-3-8
Max Horz 2=314(LC 4)
Max Uplift2=-430(LC 5), 10=-312(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-1820/566, 3-4=-1383/383, 4-5=-1047/394, 5-6=-54/130, 6-7=-89/137, 7-8=-1082/419, 8-9=-1331/385, 9-10=-1354/394
BOT CHORD 2-13=-627/1536, 12-13=-627/1536, 11-12=-282/1086, 10-11=-69/53
WEBS 3-13=-129/220, 3-12=-520/399, 4-12=-7/450, 6-14=-1/7, 5-14=-1112/343, 7-14=-1112/343, 8-11=-44/269, 9-11=-316/1226

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 430 lb uplift at joint 2 and 312 lb uplift at joint 10.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-54, 6-9=-54, 2-12=-20, 11-12=-80, 10-11=-20

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554311
J0700444	A26	COMMON	2	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:37 2007 Page 1

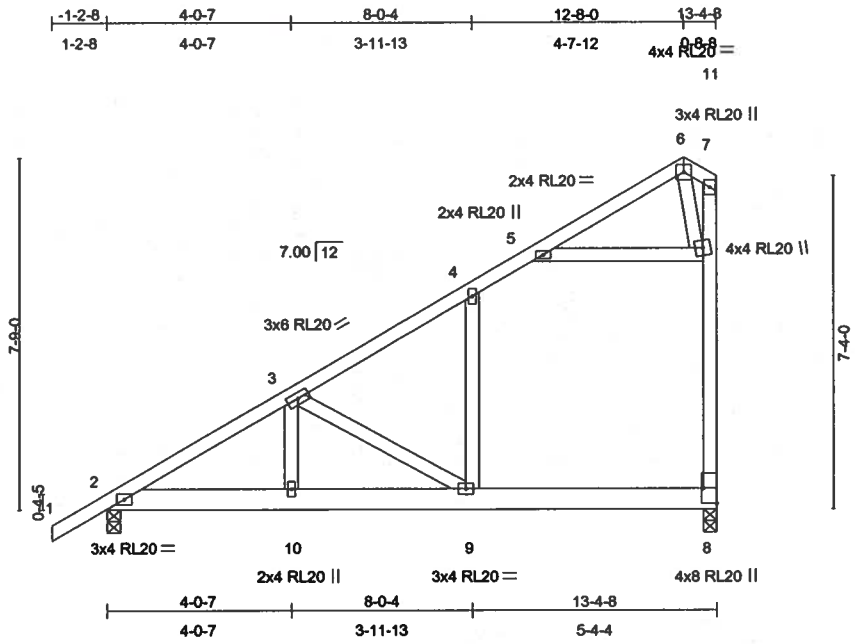


Plate Offsets (X,Y): [8:Edge,0-3-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.78	Vert(LL)	0.29	9-10	>548	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.92	Vert(TL)	-0.46	9	>339	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.25	Horz(TL)	0.01	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 91 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
7-8 2 X 4 SYP SS

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-10-3 oc bracing.

REACTIONS (lb/size) 2=623/0-3-8, 8=731/0-3-8
Max Horz 2=448(LC 5)
Max Uplift2=-231(LC 5), 8=-329(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-3=-968/195, 3-4=-341/0, 4-5=-198/5, 5-6=-130/248, 6-7=-382/637, 8-11=-250/191, 7-11=-393/564
BOT CHORD 2-10=-491/796, 9-10=-491/796, 8-9=-111/211
WEBS 3-10=-143/370, 3-9=-676/439, 4-9=0/149, 6-11=-848/607, 5-11=-370/157

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 231 lb uplift at joint 2 and 329 lb uplift at joint 8.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-54, 6-7=-54, 2-9=-20, 8-9=-80

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554312
J0700444	A27	HIP	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:37 2007 Page 1

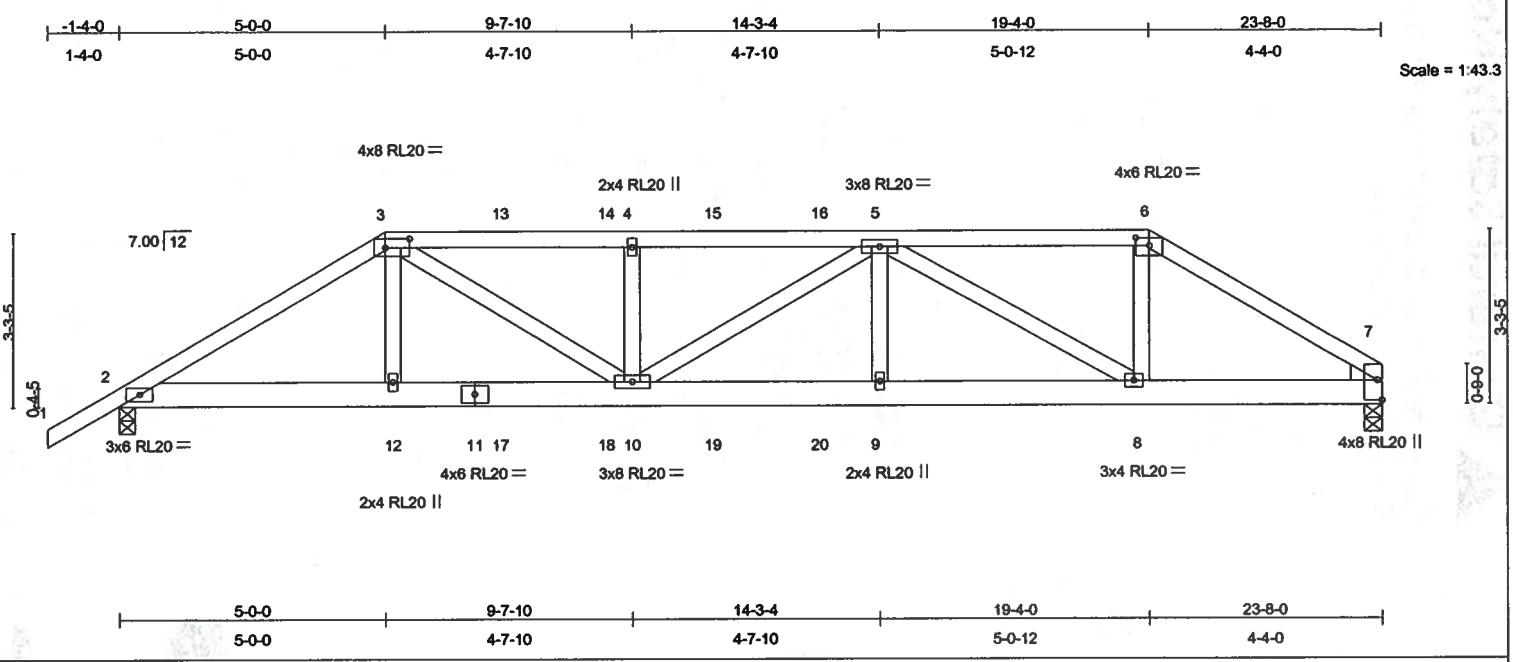


Plate Offsets (X,Y): [3:0-5-8,0-2-0], [6:0-3-0,0-1-12], [7:Edge,0-1-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.60	Vert(LL)	0.19	9-10	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.28	9-10	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	1.00	Horz(TL)	0.07	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 134 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-3-6 oc bracing.

REACTIONS (lb/size) 2=1597/0-3-8, 7=1423/0-4-0
Max Horz 2=142(LC 4)
Max Uplift2=-988(LC 5), 7=-807(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/39, 2-3=-2704/1698, 3-13=-3322/2198, 13-14=-3322/2197, 4-14=-3321/2197, 4-15=-3322/2198, 15-16=-3322/2198, 5-16=-3322/2198, 5-6=-1925/1218, 6-7=-2335/1384
BOT CHORD 2-12=-1522/2270, 11-12=-1524/2286, 11-17=-1524/2286, 17-18=-1524/2286, 10-18=-1524/2286, 10-19=-2221/3467, 19-20=-2221/3467, 9-20=-2221/3467, 8-9=-2221/3467, 7-8=-1082/1873
WEBS 3-12=-35/429, 3-10=-931/1221, 4-10=-399/497, 5-10=-171/75, 5-9=-294/675, 5-8=-1790/1314, 6-8=-611/1035

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 988 lb uplift at joint 2 and 807 lb uplift at joint 7.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 88 lb down and 199 lb up at 5-0-0, 65 lb down and 128 lb up at 7-1-13, 65 lb down and 128 lb up at 9-1-13, and 65 lb down and 128 lb up at 11-1-13, and 65 lb down and 128 lb up at 13-1-13 on top chord, and 192 lb down and 77 lb up at 5-0-0, 56 lb down at 7-1-13, 56 lb down at 9-1-13, 56 lb down at 11-1-13, and 56 lb down at 13-1-13, and 571 lb down and 350 lb up at 14-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-6=-54, 6-7=-54, 2-7=-20

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	T2554312
J0700444	A27	HIP	1	1	Job Reference (optional)

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 3=-88(F) 12=-182(F) 9=-571(F) 13=-65(F) 14=-65(F) 15=-65(F) 16=-65(F) 17=-28(F) 18=-28(F) 19=-28(F) 20=-28(F)

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554313
J0700444	A28	HIP	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:38 2007 Page 1

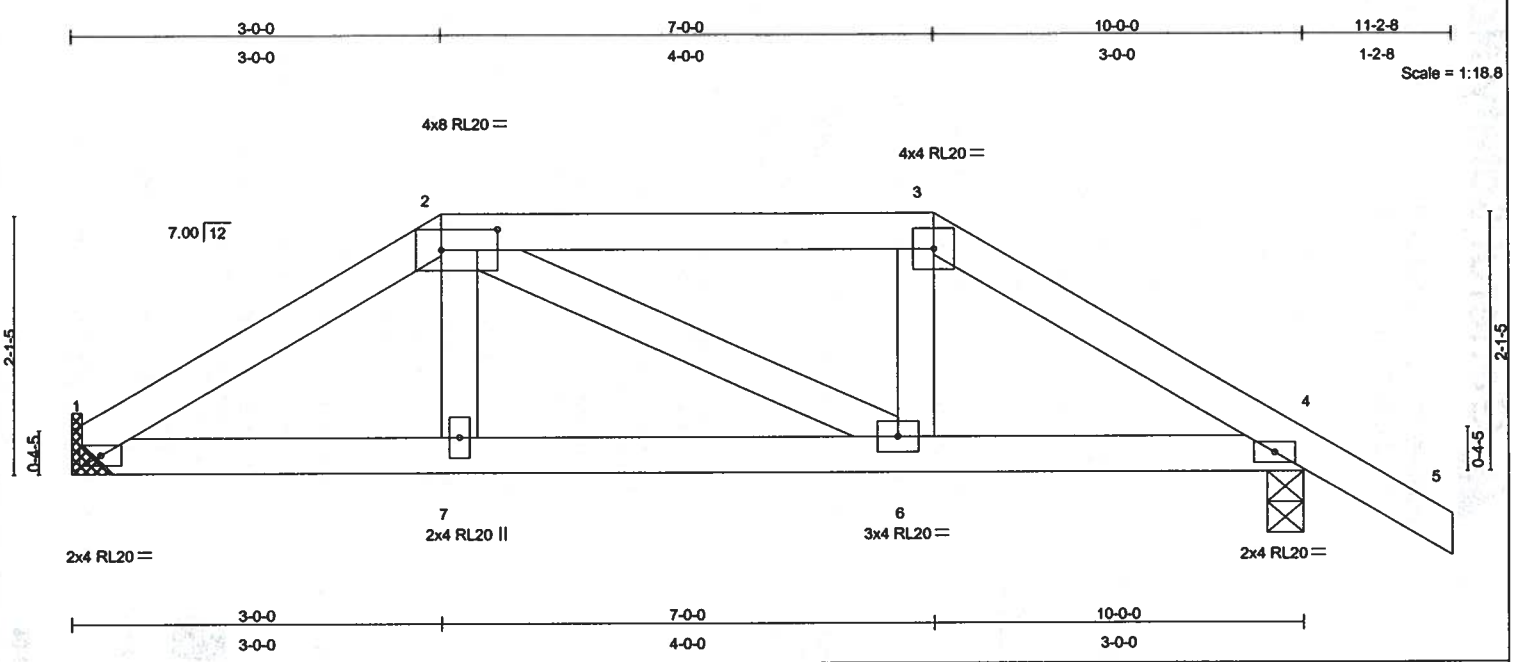


Plate Offsets (X,Y): [2:0-5-8,0-2-0]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.19	Vert(LL)	-0.01	6-7	>999	360	RL20	253/171
TCDL 7.0		Lumber Increase 1.25	BC 0.13	Vert(TL)	-0.03	6-7	>999	180		
BCLL 10.0	*	Rep Stress Incr NO	WB 0.06	Horz(TL)	0.01	4	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002	(Matrix)						Weight: 44 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=433/Mechanical, 4=516/0-3-8
Max Horz 1=-93(LC 3)
Max Uplift1=-206(LC 5), 4=-310(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-684/346, 2-3=-555/321, 3-4=-679/338, 4-5=0/32
BOT CHORD 1-7=-325/559, 6-7=-326/570, 4-6=-251/544
WEBS 2-7=-21/176, 2-6=-65/81, 3-6=-31/175

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 206 lb uplift at joint 1 and 310 lb uplift at joint 4.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 56 lb down and 52 lb up at 7-0-0, and 56 lb down and 52 lb up at 3-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-3=-63(F=-9), 3-5=-54, 1-7=-20, 6-7=-23(F=-3), 4-6=-20
Concentrated Loads (lb)
Vert: 7=-56(F) 6=-56(F)

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554314
J0700444	A29	COMMON	2	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:38 2007 Page 1

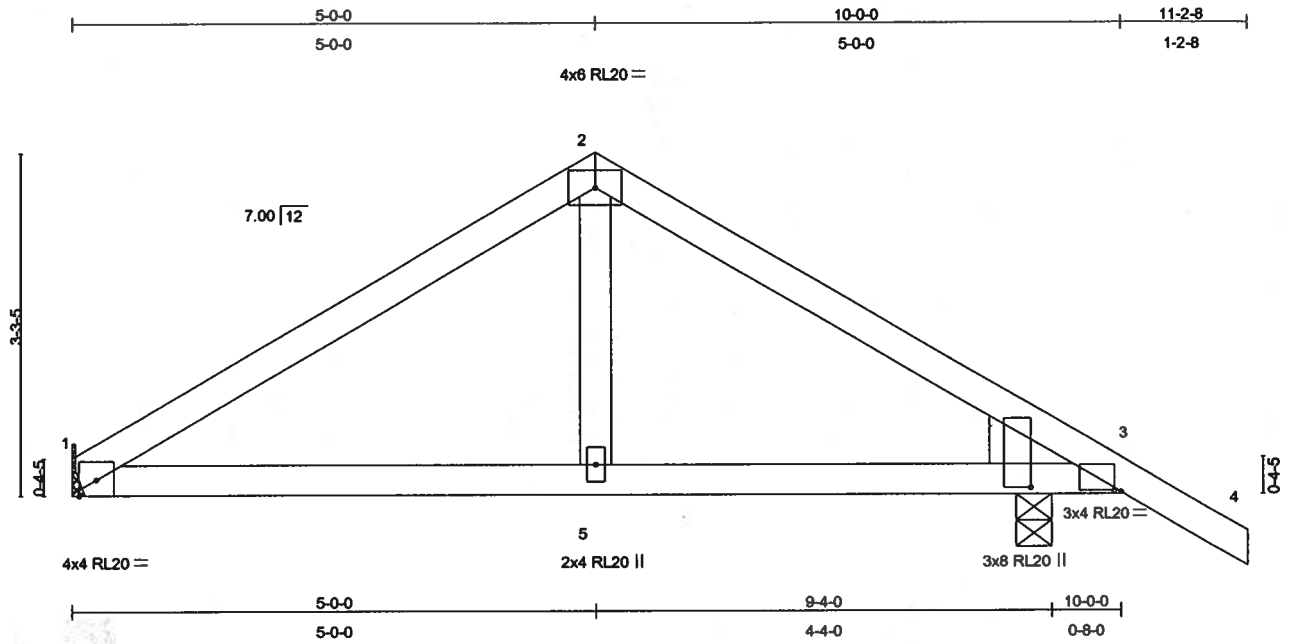


Plate Offsets (X,Y): [3:0-0-13,0-0-2], [3:0-0-8,0-10-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	0.02	1-5	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.04	1-5	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 40 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
WEDGE
Right: 2 X 6 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=356/Mechanical, 3=441/0-4-0
Max Horz 1=-140(LC 3)
Max Uplift1=-148(LC 5), 3=-252(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-474/178, 2-3=-478/195, 3-4=0/32
BOT CHORD 1-5=-87/356, 3-5=-87/356
WEBS 2-5=0/226

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 148 lb uplift at joint 1 and 252 lb uplift at joint 3.

LOAD CASE(S) Standard

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554315
J0700444	A30	SPECIAL	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:39 2007 Page 1

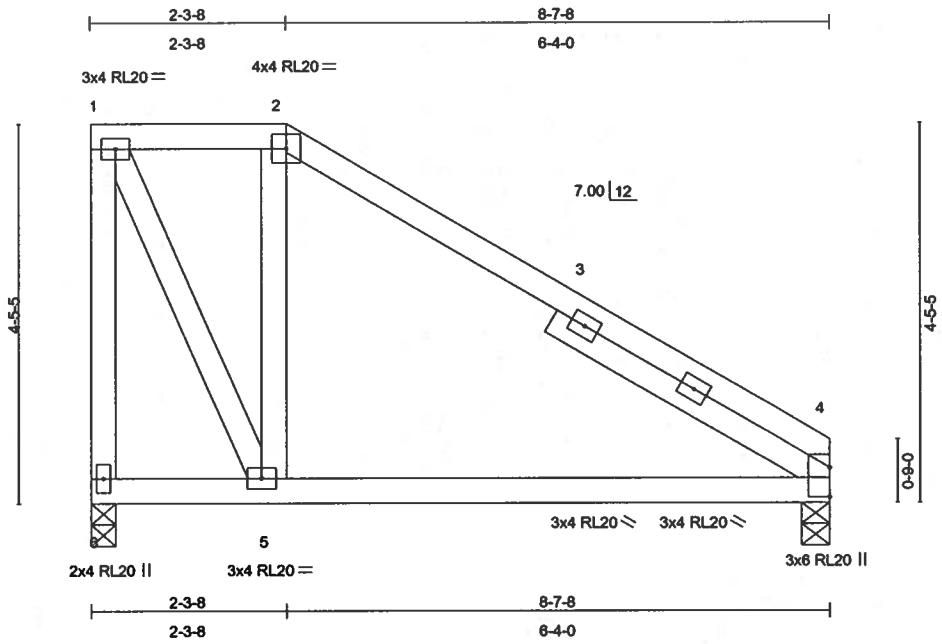


Plate Offsets (X,Y): [4:Edge,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.05	4-5	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.12	4-5	>847	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 51 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
SLIDER Right 2 X 4 SYP No.3 3-8-11

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=314/0-3-8, 4=314/0-4-0
Max Horz 6=-228(LC 6)
Max Uplift 6=-179(LC 6), 4=-94(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-6=-337/174, 1-2=-135/68, 2-3=-162/0, 3-4=-247/0
BOT CHORD 5-6=-18/228, 4-5=0/152
WEBS 1-5=-158/310, 2-5=-139/205

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 179 lb uplift at joint 6 and 94 lb uplift at joint 4.

LOAD CASE(S) Standard

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554316
J0700444	A31	SPECIAL	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:40 2007 Page 1

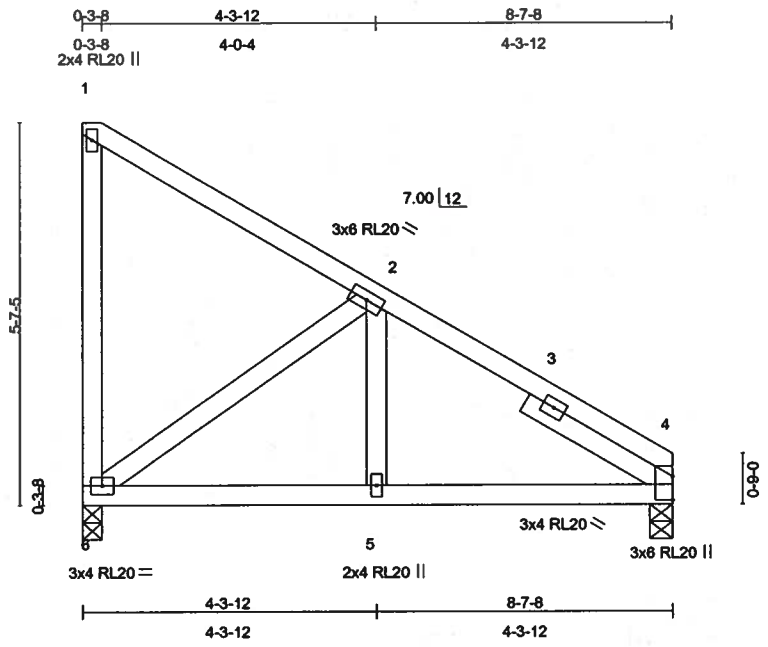


Plate Offsets (X,Y): [4:Edge,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC 0.22		Vert(LL)	-0.01	4-5	>999	360	RL20	253/171
TCDL 7.0		Lumber Increase	1.25	BC 0.17		Vert(TL)	-0.02	4-5	>999	180		
BCLL 10.0	*	Rep Stress Incr	YES	WB 0.15		Horz(TL)	0.00	4	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002		(Matrix)							Weight: 50 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
SLIDER Right 2 X 4 SYP No.3 2-5-11

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=314/0-3-8, 4=314/0-4-0
Max Horz 6=-295(LC 6)
Max Uplift6=-248(LC 6), 4=-61(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-6=-91/102, 1-2=-69/34, 2-3=-269/21, 3-4=-371/6
BOT CHORD 5-6=0/270, 4-5=0/270
WEBS 2-6=-330/281, 2-5=0/210

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 248 lb uplift at joint 6 and 61 lb uplift at joint 4.

LOAD CASE(S) Standard

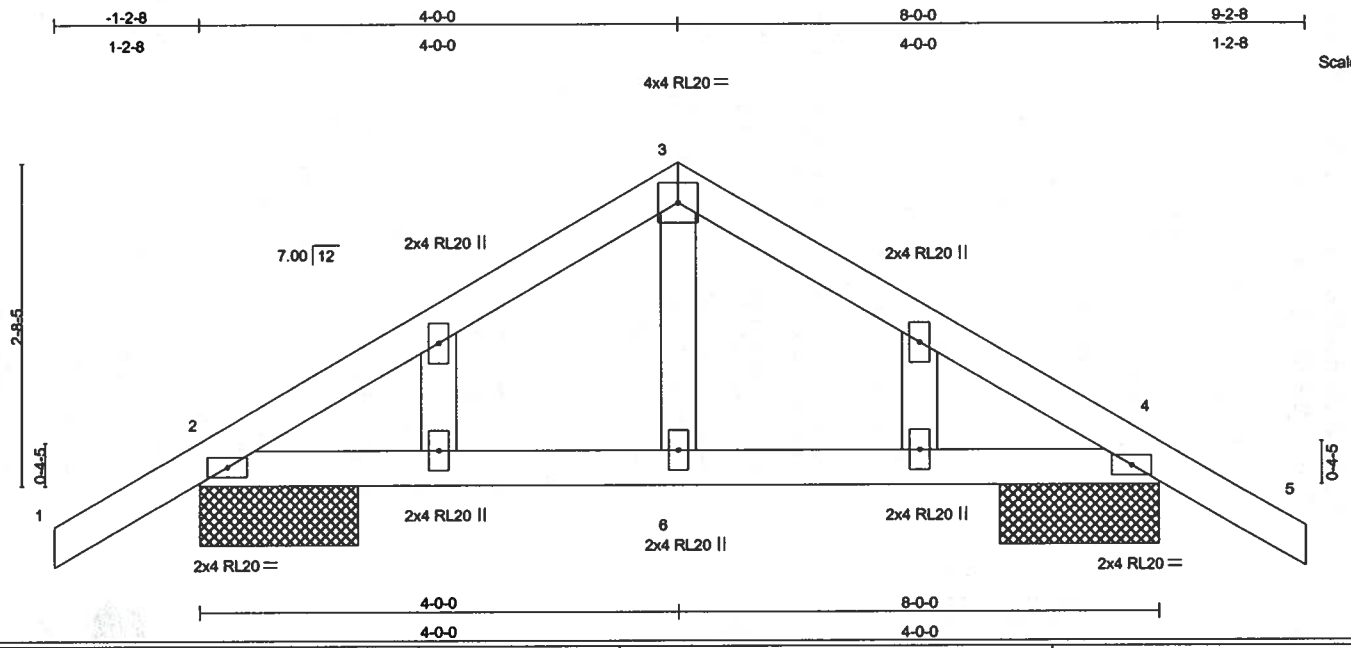
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert #5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554317
J0700444	A32	GABLE	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:40 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC	0.17	Vert(LL)	-0.00	2-6	>999	360	RL20	253/171
TCDL 7.0		Lumber Increase	1.25	BC	0.14	Vert(TL)	-0.01	2-6	>999	180		
BCLL 10.0	*	Rep Stress Incr	NO	WB	0.06	Horz(TL)	0.00	4	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002		(Matrix)							Weight: 36 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=355/1-4-0, 4=355/1-4-0
Max Horz 2=-102(LC 3)
Max Uplift2=-226(LC 5), 4=-226(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-295/77, 3-4=-295/77, 4-5=0/33
BOT CHORD 2-6=0/194, 4-6=0/194
WEBS 3-6=0/181

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 226 lb uplift at joint 2 and 226 lb uplift at joint 4.

LOAD CASE(S) Standard

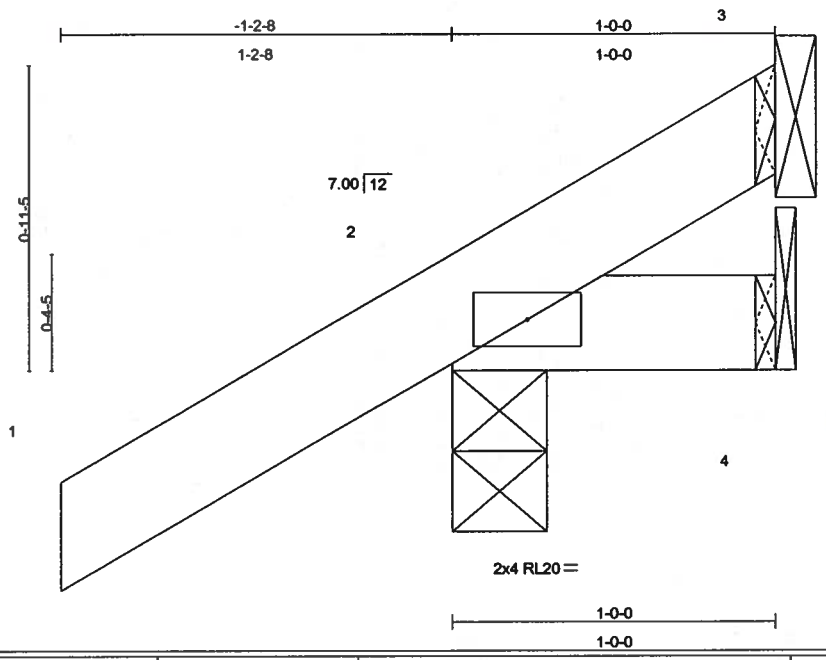
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554318
J0700444	BJ1	JACK	16	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:41 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.11	Vert(LL)	-0.00	2	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 6 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=145/0-3-8, 4=10/Mechanical, 3=-17/Mechanical
Max Horz 2=85(LC 5)
Max Uplift2=-163(LC 5), 3=-17(LC 1)
Max Grav2=145(LC 1), 4=19(LC 2), 3=39(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/31, 2-3=-38/21
BOT CHORD 2-4=0/0

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 163 lb uplift at joint 2 and 17 lb uplift at joint 3.

LOAD CASE(S) Standard

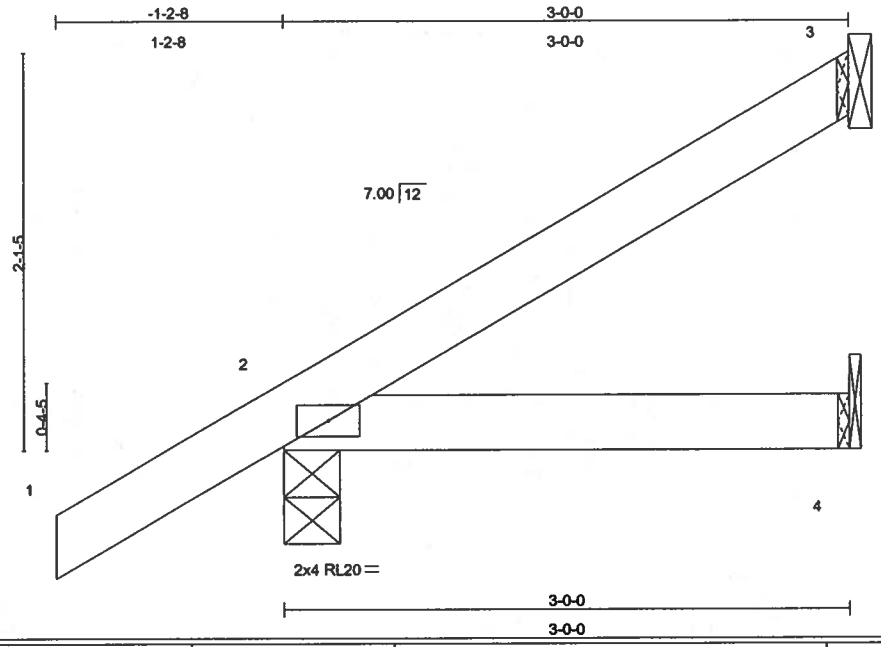
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554319
J0700444	BJ3	JACK	12	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:41 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.00	2-4	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 12 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=58/Mechanical, 2=194/0-3-8, 4=28/Mechanical
Max Horz 2=147(LC 5)
Max Uplift3=-67(LC 5), 2=-142(LC 5)
Max Grav 3=58(LC 1), 2=194(LC 1), 4=56(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-50/23
BOT CHORD 2-4=0/0

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 3 and 142 lb uplift at joint 2.

LOAD CASE(S) Standard

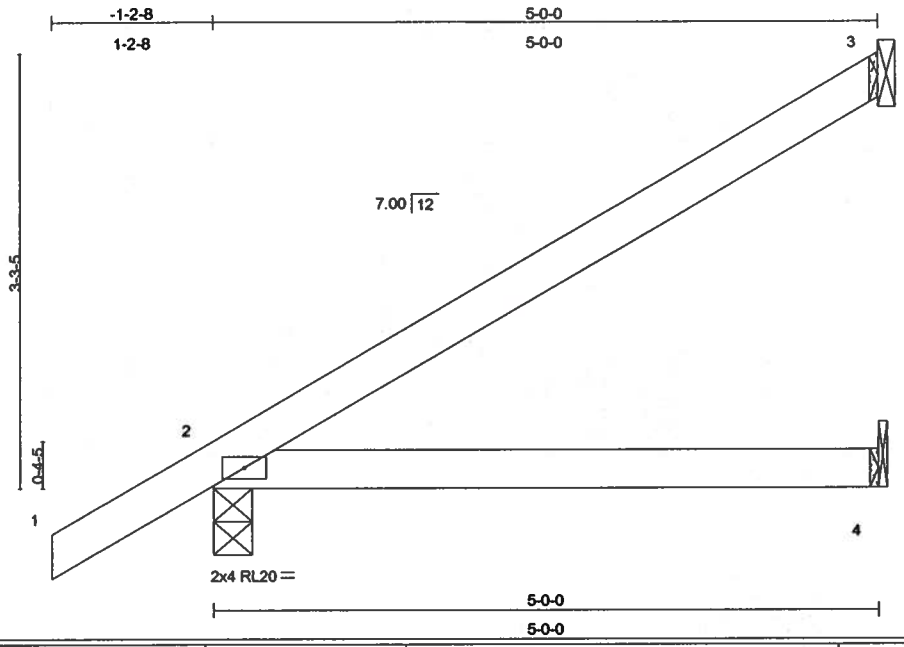
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554320
J0700444	BJ5	JACK	10	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:42 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	-0.03	2-4	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.07	2-4	>866	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 18 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=119/Mechanical, 2=261/0-3-8, 4=48/Mechanical
Max Horz 2=211(LC 5)
Max Uplift3=-144(LC 5), 2=-148(LC 5)
Max Grav3=119(LC 1), 2=261(LC 1), 4=96(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-96/49
BOT CHORD 2-4=0/0

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 3 and 148 lb uplift at joint 2.

LOAD CASE(S) Standard

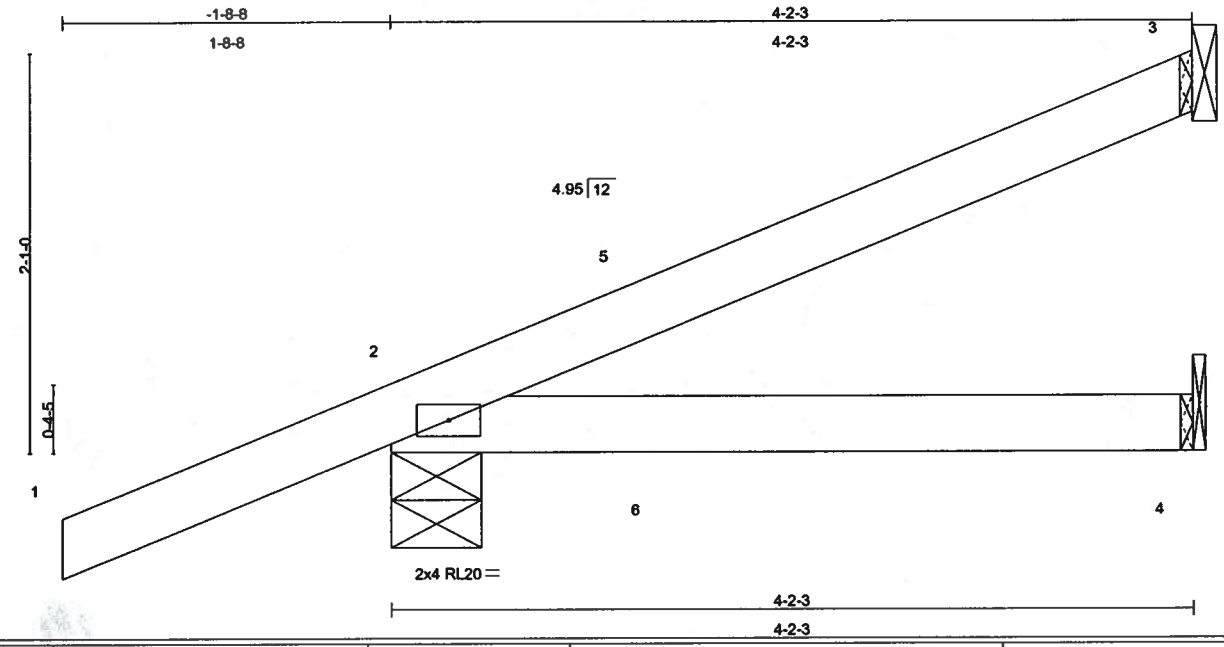
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554321
J0700444	CJ4	JACK	2	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:42 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC 0.25		Vert(LL)	-0.01	2-4	>999	360	RL20	253/171
TCDL 7.0		Lumber Increase	1.25	BC 0.10		Vert(TL)	-0.02	2-4	>999	180		
BCLL 10.0	*	Rep Stress Incr	NO	WB 0.00		Horz(TL)	-0.00	3	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002		(Matrix)							Weight: 16 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=79/Mechanical, 2=261/0-5-11, 4=33/Mechanical
Max Horz 2=146(LC 5)
Max Uplift3=-48(LC 5), 2=-158(LC 5)
Max Grav 3=79(LC 1), 2=261(LC 1), 4=66(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-5=-69/0, 3-5=-29/24
BOT CHORD 2-6=0/0, 4-6=0/0

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 3 and 158 lb uplift at joint 2.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 44 lb down at 1-4-15, and 44 lb down at 1-4-15 on top chord, and 21 lb up at 1-4-15, and 21 lb up at 1-4-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 2-4=-20
Concentrated Loads (lb)
Vert: 6=21(F=10, B=10)

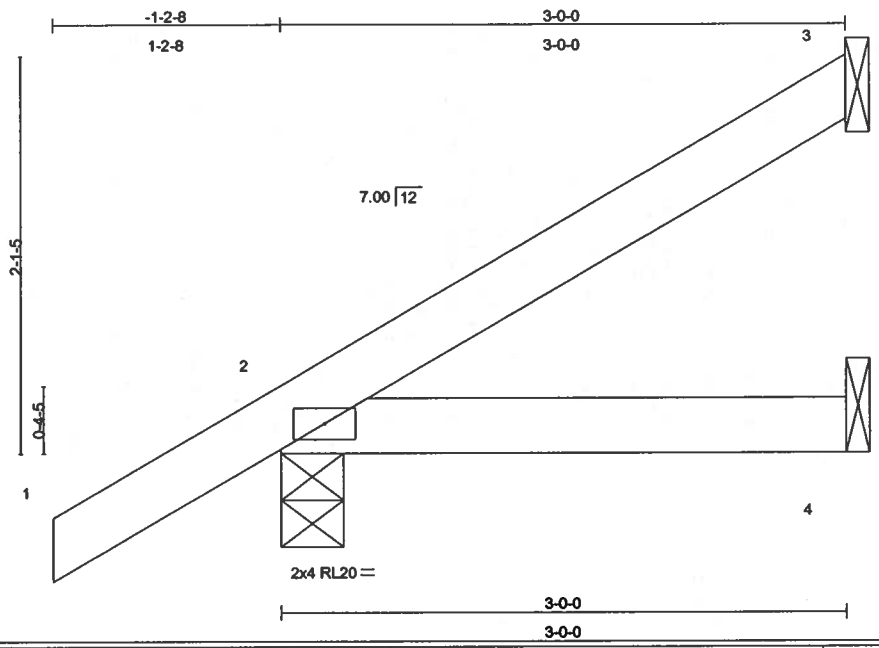
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554322
J0700444	EJ3	JACK	3	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:43 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.00	2-4	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.06	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 12 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=56/Mechanical, 2=195/0-4-0, 4=28/Mechanical
Max Horz 2=147(LC 5)
Max Uplift3=-66(LC 5), 2=-143(LC 5)
Max Grav3=56(LC 1), 2=195(LC 1), 4=55(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-50/22
BOT CHORD 2-4=0/0

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 3 and 143 lb uplift at joint 2.

LOAD CASE(S) Standard

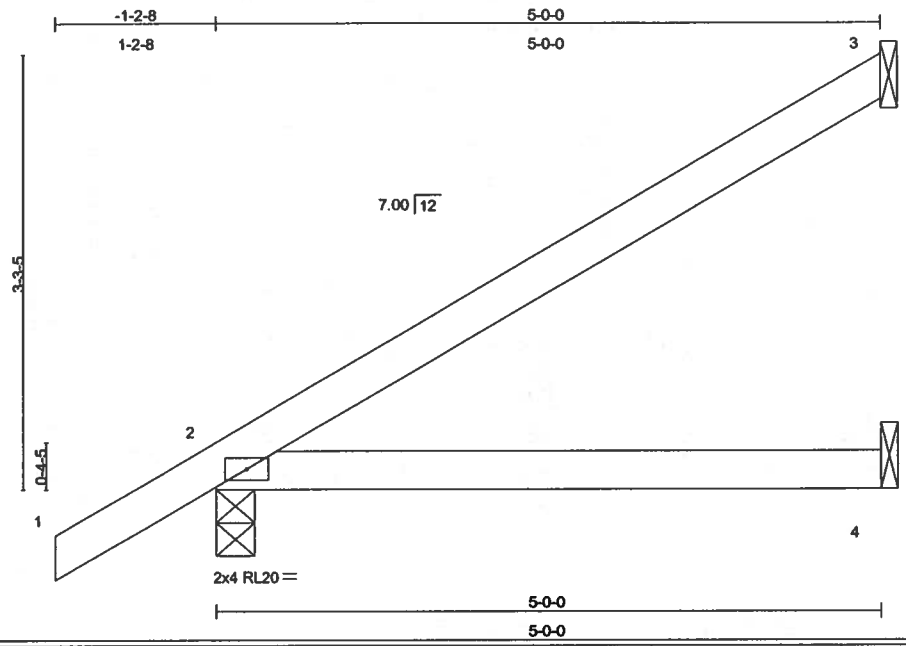
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554323
J0700444	EJ5	JACK	5	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:43 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	-0.03	2-4	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.19	Vert(TL)	-0.07	2-4	>883	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 18 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=119/Mechanical, 2=261/0-3-8, 4=48/Mechanical
Max Horz 2=211(LC 5)
Max Uplift3=-144(LC 5), 2=-148(LC 5)
Max Grav3=119(LC 1), 2=261(LC 1), 4=96(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-96/49
BOT CHORD 2-4=0/0

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 3 and 148 lb uplift at joint 2.

LOAD CASE(S) Standard

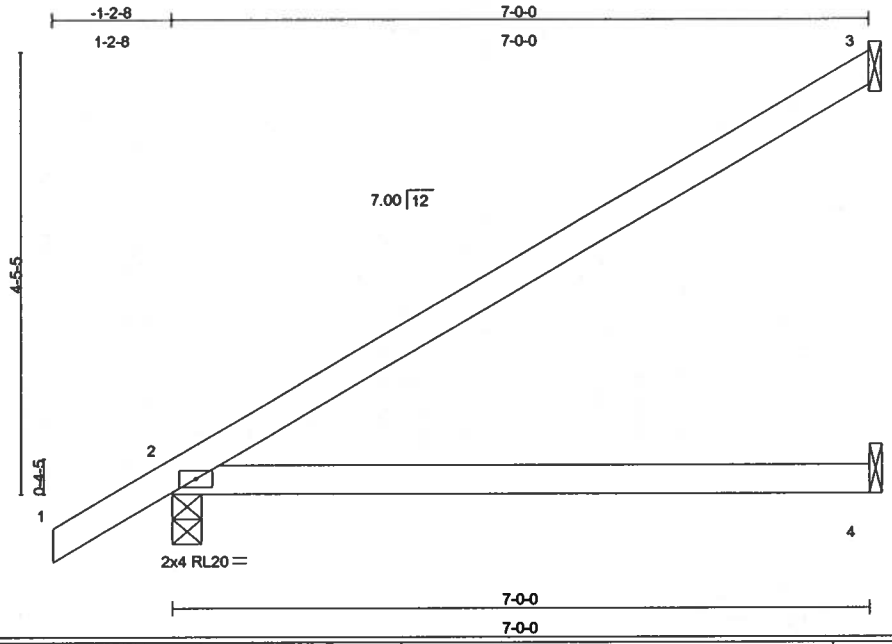
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554324
J0700444	EJ7	MONO TRUSS	35	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:44 2007 Page 1



Scale = 1:23.2

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC	0.53	Vert(LL)	-0.11	2-4	>776	360	RL20	253/171
TCDL 7.0		Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.26	2-4	>310	180		
BCLL 10.0	*	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002		(Matrix)							Weight: 25 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=176/Mechanical, 2=332/0-3-8, 4=68/Mechanical
Max Horz 2=275(LC 5)
Max Uplift3=-214(LC 5), 2=-161(LC 5)
Max Grav3=176(LC 1), 2=332(LC 1), 4=136(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-140/72
BOT CHORD 2-4=0/0

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 214 lb uplift at joint 3 and 161 lb uplift at joint 2.

LOAD CASE(S) Standard

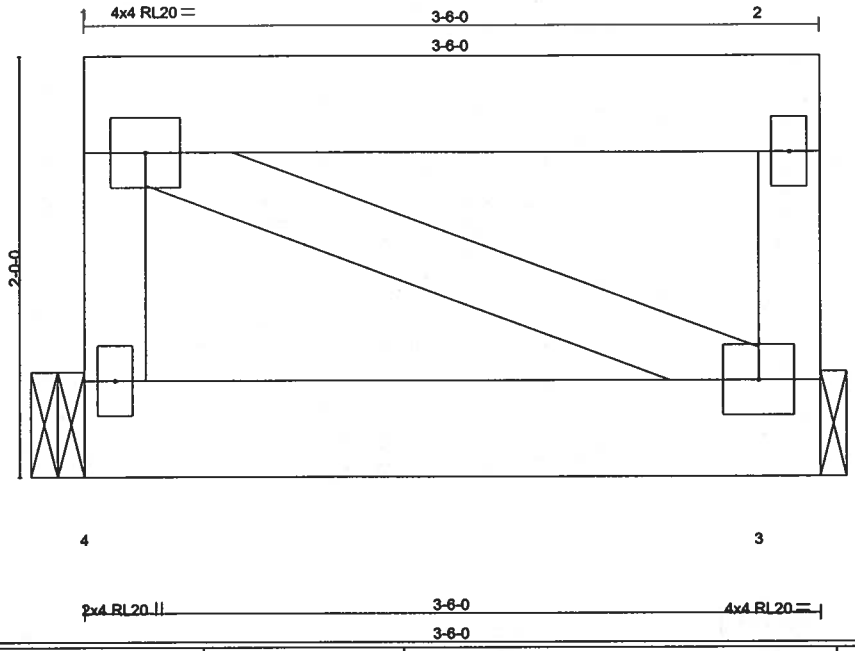
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554325
J0700444	FG1	SPECIAL	1	2	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:44 2007 Page 1



Scale = 1:11.0

LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0		Plates Increase	1.25	TC	0.04	Vert(LL)	0.01	3-4	>999	360	RL20	253/171
TCDL	7.0		Lumber Increase	1.25	BC	0.17	Vert(TL)	-0.01	3-4	>999	180		
BCLL	10.0	*	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0		Code FBC2004/TPI2002		(Matrix)							Weight: 48 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=493/Mechanical, 3=493/Mechanical
Max Uplift4=-250(LC 3), 3=-250(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-87/75, 1-2=0/0, 2-3=-87/75
BOT CHORD 3-4=-0/0
WEBS 1-3=-0/0

NOTES
1) 2-ply truss to be connected together with 10d (0.148"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) This truss has been checked for uniform roof live load only, except as noted.
4) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
5) Provide adequate drainage to prevent water ponding.
6) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 250 lb uplift at joint 4 and 250 lb uplift at joint 3.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 3-4=-254(F=-234)

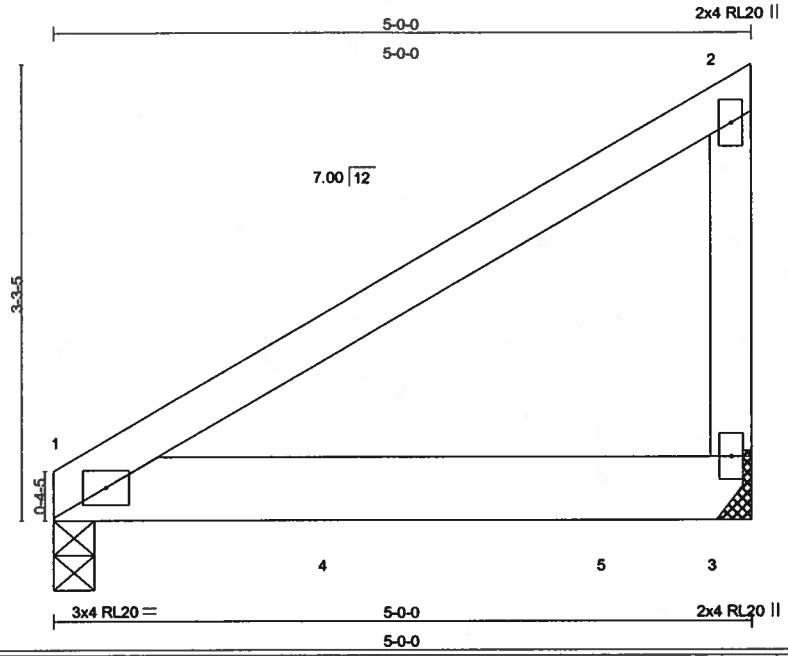
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554326
J0700444	GR1	MONO TRUSS	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:45 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	0.04	1-3	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.08	1-3	>741	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 24 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=863/0-3-8, 3=591/Mechanical
Max Horz 1=153(LC 5)
Max Uplift1=-379(LC 5), 3=-336(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-97/52, 2-3=-127/155
BOT CHORD 1-4=0/0, 4-5=0/0, 3-5=0/0

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 379 lb uplift at joint 1 and 336 lb uplift at joint 3.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 433 lb down and 213 lb up at 0-1-12, and 336 lb down and 165 lb up at 2-0-12, and 336 lb down and 165 lb up at 4-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-20, 1-2=-54
Concentrated Loads (lb)
Vert: 1=-433(F) 4=-336(F) 5=-336(F)

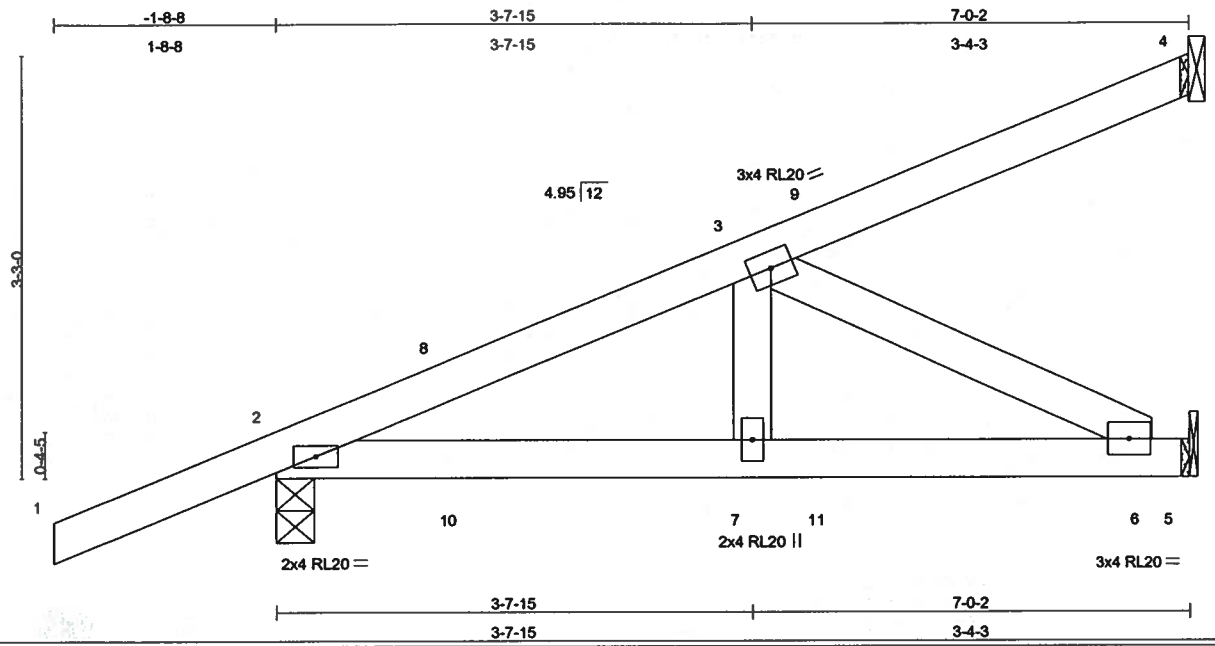
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554327
J0700444	HJ07	MONO TRUSS	1	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:45 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	-0.01	6-7	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.02	6-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.09	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 31 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=76/Mechanical, 2=367/0-3-8, 5=174/Mechanical
Max Horz 2=210(LC 5)
Max Uplift 4=-87(LC 5), 2=-217(LC 5), 5=-67(LC 5)
Max Grav 4=76(LC 1), 2=367(LC 1), 5=176(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-8=-383/81, 3-8=-313/99, 3-9=-41/15, 4-9=-38/22
BOT CHORD 2-10=-169/309, 7-10=-169/309, 7-11=-169/309, 6-11=-169/309, 5-6=0/0
WEBS 3-7=0/199, 3-6=-347/190

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 4, 217 lb uplift at joint 2 and 67 lb uplift at joint 5.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 4 lb down and 51 lb up at 4-2-15, and 4 lb down and 51 lb up at 4-2-15, and 44 lb down at 1-4-15 on top chord, and 21 lb up at 1-4-15, and 16 lb down at 4-2-15, and 16 lb down at 4-2-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 2-5=-20
Concentrated Loads (lb)
Vert: 9=-7(F=-4, B=-4) 10=10(F) 11=-16(F=-8, B=-8)

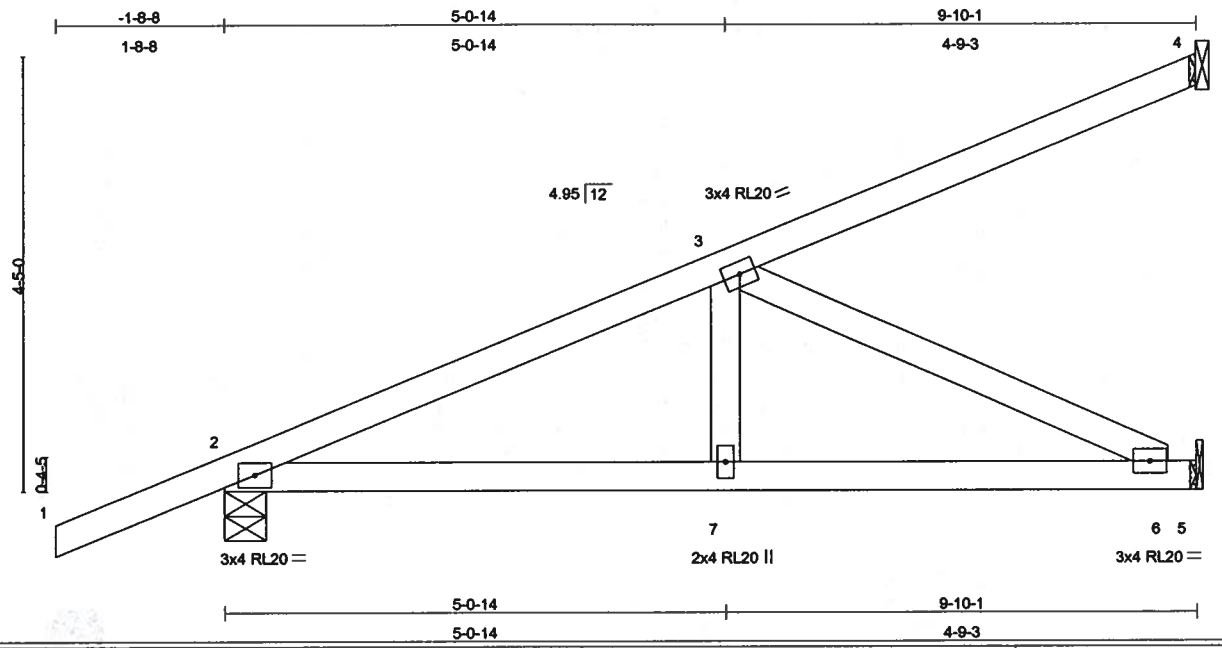
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert #5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554328
J0700444	HJ9	MONO TRUSS	5	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:48 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	0.03	6-7	>999	360	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.33	Vert(TL)	-0.09	6-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.29	Horz(TL)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 43 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=228/Mechanical, 2=414/0-4-15, 5=347/Mechanical
Max Horz 2=336(LC 5)
Max Uplift4=-260(LC 5), 2=-207(LC 5), 5=-128(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-646/108, 3-4=-127/64
BOT CHORD 2-7=-365/577, 6-7=-365/577, 5-6=0/0
WEBS 3-7=0/269, 3-6=-640/405

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 260 lb uplift at joint 4, 207 lb uplift at joint 2 and 128 lb uplift at joint 5.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-3(F=26, B=26)-to-4=-133(F=-39, B=-39), 2=-0(F=10, B=10)-to-5=-49(F=-15, B=-15)

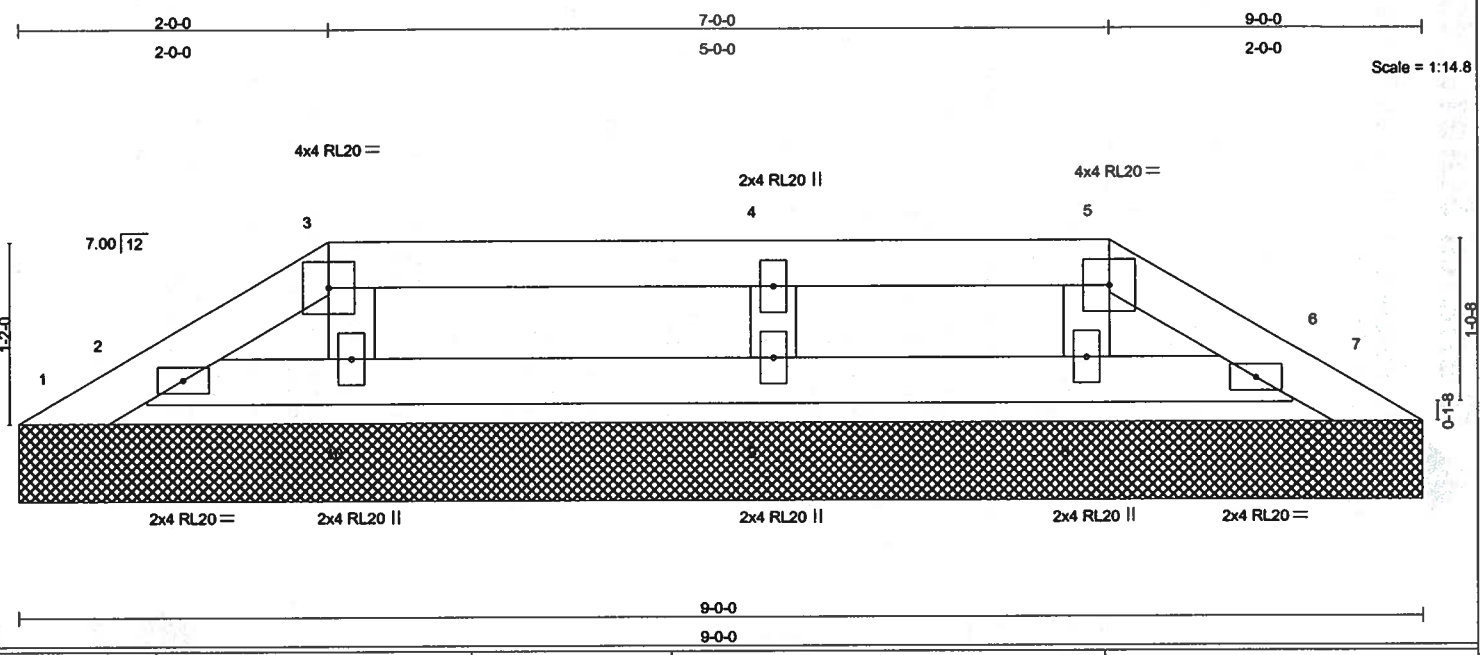
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554329
J0700444	PB01	GABLE	2	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:46 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.07	Vert(LL)	n/a	-	n/a	999	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=6/9-0-0, 7=6/9-0-0, 2=88/9-0-0, 6=89/9-0-0, 8=89/9-0-0, 9=222/9-0-0, 10=125/9-0-0
Max Horz 1=-42(LC 3)
Max Uplift 1=-17(LC 3), 2=-69(LC 5), 6=-61(LC 6), 8=-26(LC 3), 9=-153(LC 4), 10=-52(LC 4)
Max Grav 1=25(LC 4), 7=6(LC 1), 2=88(LC 1), 6=89(LC 1), 8=89(LC 1), 9=222(LC 1), 10=125(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-48/50, 2-3=-37/34, 3-4=-1/28, 4-5=-1/28, 5-6=-32/23, 6-7=-2/16
BOT CHORD 2-10=-18/21, 9-10=-3/27, 8-9=-3/27, 6-8=-9/21
WEBS 5-8=-57/43, 4-9=-171/178, 3-10=-79/77

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) Provide adequate drainage to prevent water ponding.
5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 17 lb uplift at joint 1, 69 lb uplift at joint 2, 61 lb uplift at joint 6, 26 lb uplift at joint 8, 153 lb uplift at joint 9 and 52 lb uplift at joint 10.
10) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

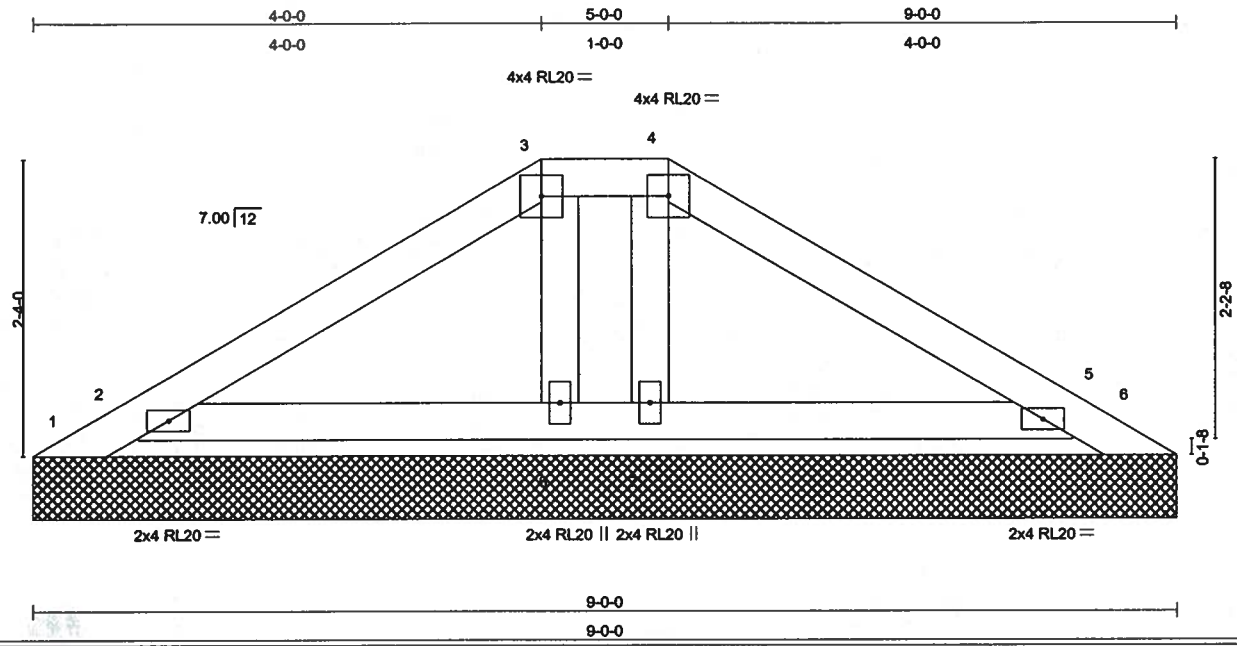
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554330
J0700444	PB02	GABLE	2	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:49 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC	0.11	Vert(LL)	n/a	-	n/a	999	RL20	253/171
TCDL 7.0		Lumber Increase	1.25	BC	0.07	Vert(TL)	n/a	-	n/a	999		
BCLL 10.0	*	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	5	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002		(Matrix)							Weight: 31 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=-89/9-0-0, 6=-89/9-0-0, 2=267/9-0-0, 5=267/9-0-0, 7=135/9-0-0, 8=135/9-0-0
Max Horz 1=90(LC 4)
Max Uplift1=-89(LC 1), 6=-89(LC 1), 2=-245(LC 5), 5=-235(LC 6), 7=-30(LC 3), 8=-49(LC 4)
Max Grav 1=138(LC 5), 6=120(LC 6), 2=267(LC 1), 5=267(LC 1), 7=135(LC 1), 8=135(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-134/116, 2-3=-65/55, 3-4=-3/70, 4-5=-65/43, 5-6=-53/58
BOT CHORD 2-8=-22/47, 7-8=-17/49, 5-7=-17/45
WEBS 4-7=-89/53, 3-8=-89/73

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) Provide adequate drainage to prevent water ponding.
5) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Gable requires continuous bottom chord bearing.
8) Gable studs spaced at 2-0-0 oc.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 89 lb uplift at joint 1, 89 lb uplift at joint 6, 245 lb uplift at joint 2, 235 lb uplift at joint 5, 30 lb uplift at joint 7 and 49 lb uplift at joint 8.
10) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

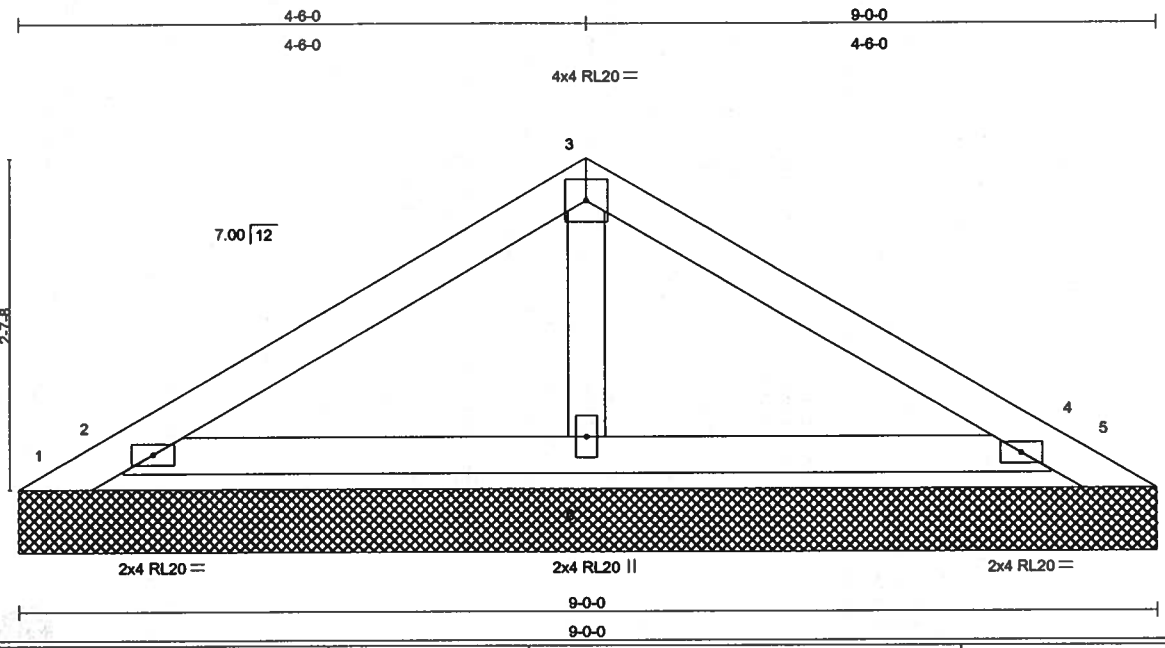
Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

Job	Truss	Truss Type	Qty	Ply	T2554331
J0700444	PB03	GABLE	10	1	Job Reference (optional)

HD SUPPLY LBM, OCALA, FL. 6.500 s Apr 2 2007 MiTek Industries, Inc. Wed May 23 16:08:49 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	n/a	-	n/a	999	RL20	253/171
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 29 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=-128/9-0-0, 5=-128/9-0-0, 2=328/9-0-0, 4=328/9-0-0, 6=227/9-0-0
Max Horz 1=-101(LC 3)
Max Uplift 1=-128(LC 1), 5=-128(LC 1), 2=-313(LC 5), 4=-300(LC 6), 6=-24(LC 5)
Max Grav 1=188(LC 5), 5=167(LC 6), 2=328(LC 1), 4=328(LC 1), 6=227(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-161/133, 2-3=-81/67, 3-4=-81/52, 4-5=-75/76
BOT CHORD 2-6=-21/48, 4-6=-21/48
WEBS 3-6=-135/69

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.33 plate grip DOL=1.33.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Gable requires continuous bottom chord bearing.
7) Gable studs spaced at 4-0-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 128 lb uplift at joint 1, 128 lb uplift at joint 5, 313 lb uplift at joint 2, 300 lb uplift at joint 4 and 24 lb uplift at joint 6.
9) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

Philip J. O'Regan, FL Lic. #58126
Robbins Engineering
6904 Parke East Blvd
Tampa, FL, 33610
FL Cert.#5555

May 24,2007

Robbins Engineering, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

GEO-TECH, INC.

Engineering Consultants in Geotechnical • Environmental • Construction Materials Testing

25978

FIELD DENSITY WORKSHEET

CLIENT Rye Const. DATE 7/16/07

PROJECT NO.

PROJECT NAME Lennon Creek Place Lot 476 PERMIT NO.

~~EARTH CONTRACTOR~~ 200 SW Herald Corner Dr. TESTED BY S.C.

COMPACTION REQUIREMENT (%) 95 ☐ Standard Proctor ☒ Modified Proctor FIELD CONTACT

TOTAL ON-SITE TIME MILES FROM OFFICE

☐ Limerock ☐ Subgrade ☐ Pipe Backfill ☐ Building Pad ☒ Building Footing ☐ Other

TEST LOCATION	LAB PROCTOR DENS.	LAB PROCTOR OMC	TEST DEPTH	PROBE DEPTH	% MOIST.	WET DENSITY (PCF)	DRY DENSITY (PCF)	% COMP.
Center of E. Int. Ftg.	104.6	10.7	F.L.	12"	4.1	105.6	101.4	96.9
" E. Ext. "	↓	↓	↓	↓	3.2	106.0	102.7	98.2
" W. Int. "					4.4	105.3	100.9	96.5
" N. Ext. "					4.6	105.8	101.7	97.2
" S. Int. "					3.7	104.8	101.1	96.7

REMARKS

* Density failed to meet minimum project requirement

** Retest indicates minimum density requirement was obtained.

( ) Client is aware of unsatisfactory test results.

GEO-TECH, INC.

25978

ENGINEERING CONSULTANTS IN GEOTECHNICAL • ENVIRONMENTAL • CONSTRUCTION MATERIALS TESTING

July 24, 2007
Project No. 073206.02G

Rye Construction Company, Inc.
3817 N.W. 28th Terrace
Gainesville, Florida 32605

Attention: Jerry Rye

Reference: Proposed Residence
Cannon Creek Place, Lot 46
Columbia County, Florida

Dear Mr. Rye,

We were provided a survey plat for Cannon Creek Place on which benchmark elevations were indicated. The benchmark (spike in power pole) located at the N.E. corner of lot 43 was reported to have an elevation of 104.00 feet as determined by Britt Surveying of Lake City, Florida. Based upon this benchmark elevation, the proposed finished floor elevation for the residence to be constructed at lot 46 of Cannon Creek Place was determined to be 106.31 feet. Batter boards indicating this proposed elevation were in place at the time of our determination.

We understand a minimum elevation of 105.0 feet is required; therefore, the elevation of 106.31 feet should be sufficient to meet the elevation requirement for this site.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us if you have questions concerning this report or if we may be of further assistance.

Respectfully submitted,
Geo-Tech, Inc.

John D. Dormab, Jr., Ph.D., P.E.
Geotechnical Engineer

7/24/07
52612

Permit # 25978

GEO-TECH, INC.
ENGINEERING CONSULTANTS IN GEOTECHNICAL • ENVIRONMENTAL • CONSTRUCTION MATERIALS TESTING

July 24, 2007
Project No. 073206.02G

Rye Construction Company, Inc.
3817 N.W. 28th Terrace
Gainesville, Florida 32605

Attention: Jerry Rye

Reference: Proposed Residence
Cannon Creek Place, Lot 46
Columbia County, Florida

Dear Mr. Rye,

We were provided a survey plat for Cannon Creek Place on which benchmark elevations were indicated. The benchmark (spike in power pole) located at the N.E. corner of lot 43 was reported to have an elevation of 104.00 feet as determined by Britt Surveying of Lake City, Florida. Based upon this benchmark elevation, the proposed finished floor elevation for the residence to be constructed at lot 46 of Cannon Creek Place was determined to be 106.31 feet. Batter boards indicating this proposed elevation were in place at the time of our determination.

We understand a minimum elevation of 105.0 feet is required; therefore, the elevation of 106.31 feet should be sufficient to meet the elevation requirement for this site.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us if you have questions concerning this report or if we may be of further assistance.

Respectfully submitted,
Geo-Tech, Inc.

John S. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer

7/24/07
52612

2603 NW 74TH PLACE • GAINESVILLE, FLORIDA 32653 • PHONE: (352) 372-1274 • FAX: (352) 372-2721

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.

25978

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. JB105478 Company Phone No. 386-755-2511
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Ryan Tuart Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 700 S.W Gerald Terrace Lake City FL

Type of Construction (More than one box may be checked) ☑ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 12 Inside 12 Type of Fill Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 6-1-07
Brand Name of Product(s) Used Bifen
EPA Registration No. 53883-164
Approximate Final Mix Solution % .06
Approximate Size of Treatment Area: Sq. ft. 3670 Linear ft. 281 Linear ft. of Masonry Voids 281
Approximate Total Gallons of Solution Applied 528
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 Brannon 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 Date 6-1-07

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)

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 24-4S-16-03114-146 **Building permit No.** 000025978

Use Classification SFD/UTILITY **Fire:** 57.78

Permit Holder JERRY RYE **Waste:** 150.75

Owner of Building DEREK & JENNIFER SMITH **Total:** 208.53

Location: 200 SW GERALD CONNER DR, LAKE CITY, FL

Date: 01/09/2008

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Prepared by:
Michael H. Harrell
Abstract & Title Services, Inc.
111 East Howard Street
Live Oak, Florida 32064

Warranty Deed

Individual to Individual

THIS WARRANTY DEED made the 28th day of April, 2006 by

Peter W. Giebeig, A Single Person

hereinafter called the grantor, to

James Derek Smith

whose post office address is: 440 SW Greenridge Lane, Lake City, FL 32025-1672
hereinafter called the grantee:

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

Witnesseth: That the grantor, for and in consideration of the sum of $10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in COLUMBIA County, FLORIDA, viz: Parcel ID# R03114-146

Lot 46, of Cannon Creek Place, a subdivision according to the plat thereof recorded in Plat Book 8, Pages 31-34, of the Public Records of Columbia County, Florida.

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

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

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2005.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Cheryl Beaty
Witness

Cheryl Beaty
Printed Name

Jessica Newsome
Witness

Jessica Newsome
Printed Name

Peter W. Giebeig
Peter W. Giebeig

Inst:2006010550 Date:05/02/2006 Time:10:20
Doc Stamp-Deed : 384.30
DC,P.DeWitt Cason,Columbia County B:1082 P:769

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 28th day of April, 2006 by Peter W. Giebeig, A Single Person personally known to me or, if not personally known to me, who produced _____ for identification and who did not take an oath.

(SEAL)

NOTARY PUBLIC STATE OF FLORIDA (407) 398-0153
DORIS M DRAKE
MY COMMISSION # DD537517
EXPIRES: Apr. 5, 2010
Florida Notary Service.com

Notary Public

My Commission Expires: