DATE 10/25/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000025161

APPLICANT JERRY RYE PHONE 867-4505

ADDRESS 3817 NW 28TH TERR GAINESVILLE FL 32605

OWNER DAVID & JENNIFER MILLIGAN PHONE 758-9974

ADDRESS 431 SW HUDSON LANE LAKE CITY FL 32025

CONTRACTOR RYE CONSTRUCTION PHONE 867-4505

LOCATION OF PROPERTY 47S, TL ON HUDSON LANE, LAST LOT ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 173550.00

HEATED FLOOR AREA 3471.00 TOTAL AREA 5156.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RSF-1 MAX. HEIGHT 18

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

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

PARCEL ID 18-4S-17-08479-112 SUBDIVISION GREENRIDGE EST.

LOT 12 BLOCK PHASE 2 UNIT TOTAL ACRES

		CGC1511121	Jerry Rye	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
PRIVATE	06-0924-N	BK	JH	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 1010

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 $ 870.00 CERTIFICATION FEE $ 25.78 SURCHARGE FEE $ 25.78

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 996.56

INSPECTORS OFFICE _____ CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

THIS INSTRUMENT PREPARED BY
AND RETURN TO:
TITLE OFFICES, LLC
1089 SW MAIN BLVD.
LAKE CITY, FLORIDA 32025

Inst:2006023250 Date:09/28/2006 Time:16:05
DC,P.DeWitt Cason,Columbia County B:1097 P:1337

Parcel I.D. #: ***08479-050***
Owner(s) SS#'s:

06Y-09082

SPACE ABOVE THIS LINE FOR PROCESSING DATA — *SPACE ABOVE THIS LINE FOR RECORDING DATA*

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713.13, Florida Statutes, the following information is provided in this Notice of Commencement. This Notice shall be void and of no force and effect if construction is not commenced within ninety (90) days after recordation.

1. Description of property: (Legal description of property, and street address if available)

COMMENCE AT THE SOUTHEAST CORNER OF SECTION 18, TOWNSHIP 4 SOUTH, RANGE 17 EAST AND RUN N 1°09' W ALONG THE EAST LINE OF SAID SECTION 1417.87 FEET; THENCE S 88°30' W 577.0 FEET; THENCE N 0°05' E 768.50 FEET TO THE POINT OF BEGINNING; THENCE S 88°17' W 200.0 FEET; THENCE N 0°05' E 220.0 FEET; THENCE N 88°17' E 200.0 FEET; THENCE S 0°05' W 220.0 FEET TO THE POINT OF BEGINNING AND BEING IN SECTION 18, COLUMBIA COUNTY, FLORIDA.

2. General description of improvement: **construction of single family dwelling**

3. Owner information:
   a. Name and address:
   DAVID MILLIGAN and JENNIFER MILLIGAN
   903 SW MILLIGAN GLEN, LAKE CITY, FL 32025
   b. Interest in property: **Fee Simple**
   c. Name and Address of Fee Simple Titleholder (if other than owner):

4. Contractor: (Name and Address)
   RCCI
   3817 NW 28TH TERRACE, GAINESVILLE, FL 32605

   Telephone Number: **352-378-3006**

5. Surety (if any):
   a. Name and Address:
   Telephone Number: _____
   b. Amount of Bond $_____

6. Lender: (Name and Address)
   TRI-COUNTY BANK D/B/A AMERIS
   P.O. BOX 797, TRENTON, FLORIDA 32693
   Telephone Number: **352-472-2162**

7. Persons within the State of Florida designated by Owner upon whom notice or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: (Name and Address)
   N/A

8. In addition to himself, Owner designates the following person(s) to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes: (Name and Address)
   TRI-COUNTY BANK D/B/A AMERIS
   P.O. BOX 797, TRENTON, FLORIDA 32693
   Telephone Number: **352-472-2162**

Inst:2006023250 Date:09/28/2006 Time:16:05
DC,P.DeWitt Cason,Columbia County B:1097 P:1338

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

_____ {SEAL}
DAVID MILLIGAN

_____ {SEAL}
JENNIFER MILLIGAN

Sworn to and subscribed before me this **28th** day of **September, 2006**, by **DAVID MILLIGAN and JENNIFER MILLIGAN**, who are personally known to me or who have produced 4 divers license as identification.

_____
Notary Public
My Commission Expires: _____

NOTARY PUBLIC STATE OF FLORIDA
BRENDA STYONS
MY COMMISSION # DD 287986
EXPIRES: February 5, 2008
Bonded Thru Budget Notary Services

Columbia County Building Permit Application

CL# 1010 Revised 9-23-04

For Office Use Only Application # 0610-47 Date Received 10/16 By G Permit # 25161

Application Approved by - Zoning Official BLK Date 20.10.06 Plans Examiner OK JTH Date 10-26-06

Flood Zone X Development Permit N/A Zoning RSF-1 Land Use Plan Map Category RES. U.L. DEN.

Comments See site PLAN Second PAGE OF PLANS

FAX. 352-378-9003

Applicants Name JERRY L. RYE Phone 352-378-3006

Address 3817 N.W. 28 TERRACE CELL 867-4505

Owners Name DAVID + JENNIFER MILLIGAN Phone 386-758-9974

911 Address 431 SW HUDSON LANE

Contractors Name RYE CONST. CO INC Phone 352-378-3006

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

Fee Simple Owner Name & Address 431 SW HUDSON LANE LAKE City FL.

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address MANN DESIGN - OCALA FL.

Mortgage Lenders Name & Address AMERIS - TRI COUNTY BANK P.O. Box 797 TRENTON FL. 32693

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

Property ID Number 08479-~~000~~ 112 18-45-17 Estimated Cost of Construction 182000.00

Subdivision Name GREENRIDGE ESTATES South Lot 12 Block — Unit — Phase 2

Driving Directions SOUTH ON HUDSON LANE OFF STATE RD 47 AT THE CHRISTIAN HERITAGE CHURCH. LAST LOT ON LEFT SIDE OF HUDSON LANE

Type of Construction FRAME / NEW Number of Existing Dwellings on Property 0

Total Acreage 1 Lot Size 220x200 Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive (PRIVATE)

Actual Distance of Structure from Property Lines - Front 50' Side 49' Side 90' Rear 86'

Total Building Height 18' Number of Stories 1 Heated Floor Area * 2933 - 3477 Roof Pitch 6/12

TOTAL 5,156

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

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

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

Jerry Rye

Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

VIRGINIA HAGGERTY
Comm# DD0426887
Expires 9/10/2009
Bonded thru (800)432-4254
Florida Notary Assn., Inc

Sworn to (or affirmed) and subscribed before me this 17 day of October 2006.

Personally known ✓ or Produced Identification ____

Jerry Rye CGC

Contractor Signature

Contractors License Number 1511121 CGC

Competency Card Number ____

NOTARY STAMP/SEAL

Virginia Haggerty

Notary Signature

```
@ CAM112M01     S  CamaUSA Appraisal System                      Columbia County
10/17/2006 11:00  Legal Description Maintenance        20000  Land  001
Year T Property                          Sel                    AG    000
2007 R 18-4S-17-08479-112 . . . . . ... ..                      Bldg  000
                                                                Xfea  000
       MILLIGAN DAVID &                                 20000  TOTAL      B

  1  COMM AT SE COR SEC, RUN N . . . . 1417.87 FT, W 577 FT, N 768.50     2
  3  FT FOR POB, RUN W 200 FT, N . . . 220 FT, E 200 FT, S 220 FT TO .    4
  5  POB. (AKA LOT 12 GREENRIDGE . . . ESTATES SOUTH UNR) . . . . . .    6
  7  ORB 1052-811. WD 1083-2149. . . . . . . . . . . . . . . . . . .    8
  9  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .   10
 11  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .   12
 13  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .   14
 15  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .   16
 17  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .   18
 19  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .   20
 21  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .   22
 23  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .   24
 25  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .   26
 27  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .   28
                                                  Mnt 5/24/2006 CHUCK
F1=Task  F3=Exit  F4=Prompt  F10=GoTo  PgUp/PgDn  F24=More
```

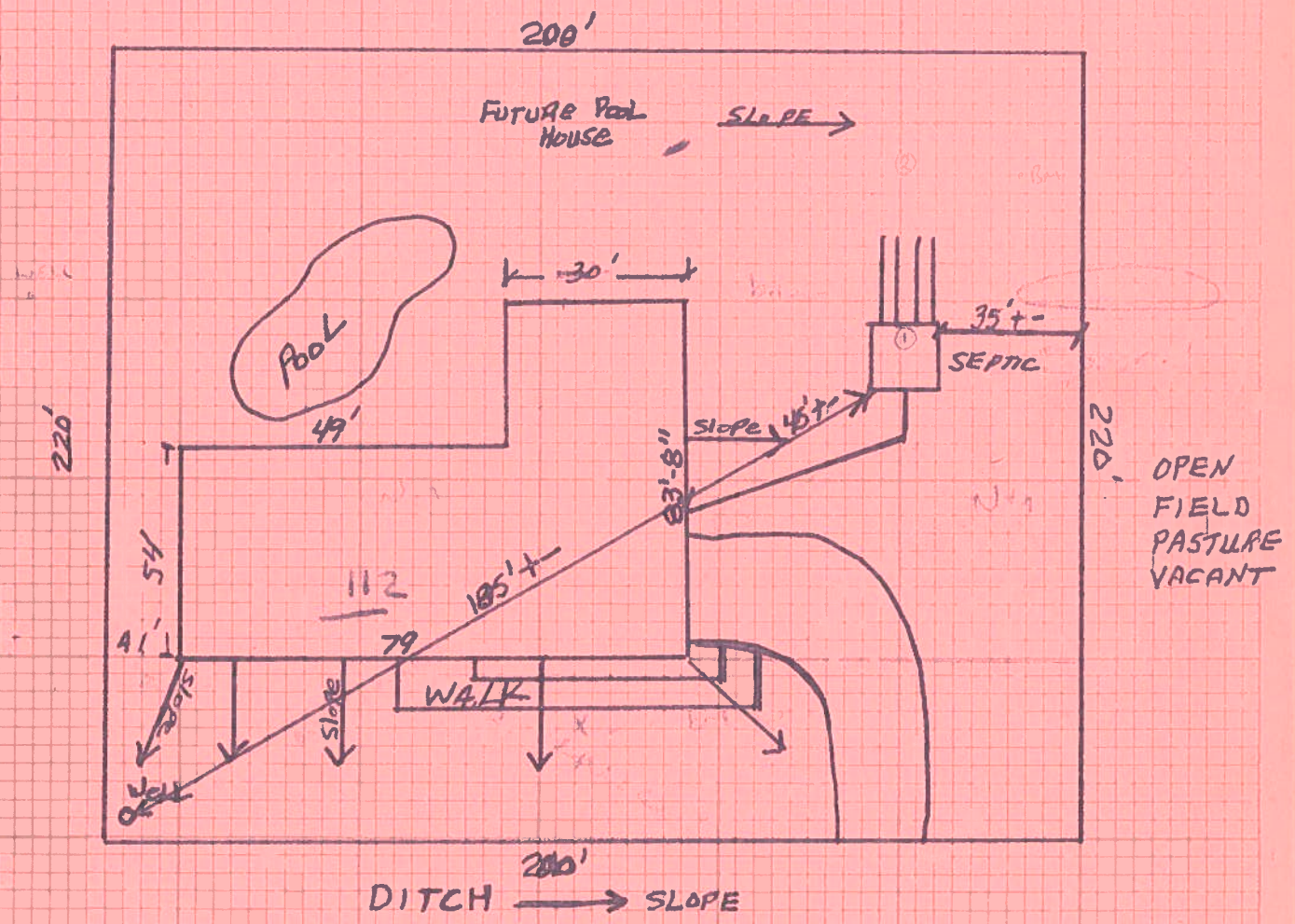
STATE OF FLORIDA
DEPARTMENT OF HEALTH Milligan

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0924N 06-0924N

PART II - SITE PLAN

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



Notes: PROPERTY HAS EXISTING WELL - WAS INSTALLED BY ORIGINAL DEVELOPER

Site Plan submitted by: Jerry Ryle Ryle Lewis Co. INC. Pres.
Signature Title

Plan Approved X Not Approved _____ Date 10/19/06

By DOH County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

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: 5/10/2006 **DATE ISSUED:** 5/10/2006

ENHANCED 9-1-1 ADDRESS:

431 SW HUDSON LN

LAKE CITY FL 32025

PROPERTY APPRAISER PARCEL NUMBER:

18-4S-17-08479-112

Remarks:

LOT 12 GREENRIDGE ESTATES SOUTH UNR 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.

237

COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

This Instrument Prepared by & return to:
Name: ***Chris Travis, an employee of TITLE OFFICES, LLC***
Address: ***1089 SW MAIN BLVD. LAKE CITY, FLORIDA 32025 File No. 06Y-02016CT***

Inst:2006011852 Date:05/15/2006 Time:15:09
Doc Stamp-Deed : 336.00
DC,P.DeWitt Cason,Columbia County B:1083 P:2149

Parcel I.D. #: ***08479-050***

SPACE ABOVE THIS LINE FOR PROCESSING DATA

THIS WARRANTY DEED *Made the **10th** day of **May**, A.D. **2006**, by*

***STANLEY BATTEN**, A MARRIED MAN, and*

***MARK E. HADDOX**, MARRIED, hereinafter called the grantors, to*

***DAVID MILLIGAN** and **JENNIFER MILLIGAN**, HIS WIFE, whose post office address is* 2109 W US HWY 90, SUITE 170-PMB273, LAKE CITY, FL 32055
~~435 SW DANTE TERRACE, LAKE CITY, FL~~, *hereinafter called the grantees:*

(Wherever used herein the terms "grantors" and "grantees" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

***Witnesseth:** That the grantors, for and in consideration of the sum of $10.00 and other valuable consideration, receipt whereof is hereby acknowledged, do hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantees all that certain land situate in **Columbia County**, **State of FLORIDA**, viz:*

COMMENCE AT THE SOUTHEAST CORNER OF SECTION 18, TOWNSHIP 4 SOUTH, RANGE 17 EAST AND RUN N 1°09" W ALONG THE EAST LINE OF SAID SECTION 1417.87 FEET; THENCE S 88°30" W 577.0 FEET; THENCE N 0°05" E 768.50 FEET TO THE POINT OF BEGINNING; THENCE S 88°17" W 200.0 FEET; THENCE N 0°05" E 220.0 FEET; THENCE N 88°17" E 200.0 FEET; THENCE S 0°05" W 220.0 FEET TO THE POINT OF BEGINNING AND BEING IN SECTION 18, COLUMBIA COUNTY, FLORIDA.

THE ABOVE DESCRIBED PROPERTY IS NOT THE HOMESTEAD OF THE GRANTORS.

***Together** with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.*

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

***And** the grantors hereby covenant with said grantees that they are lawfully seized of said land in fee simple; that they have good right and lawful authority to sell and convey said land, and hereby fully warrant 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, 2006.*

***In Witness Whereof,** the said grantors have signed and sealed these presents, the day and year first above written.*

Signed, sealed and delivered in the presence of:

Witness Signature Bonita Hadwin

Printed Name

Witness Signature Regina Simpkins

Printed Name

L.S.
STANLEY BATTEN
Address:
4818 WEST US HWY 90 STE 102, LAKE CITY, FL 32055,

L.S.
MARK E. HADDOX
Address:
4818 WEST US HWY 90 STE 102, LAKE CITY, FL 32055

Prepared by Bonita Hadwin
TITLE OFFICES, LLC
1089 SW MAIN BLVD.
LAKE CITY, FLORIDA 32025
Incidental to the issuance of a title insurance policy
File Number: 06Y-02016CT

GRANT OF EASEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

THIS INDENTURE made and entered into on this 5th day of April, 2006, by and between

A. C. MILTON, Grantor, and

DAVID MILLIGAN and JENNIFER MILLIGAN, HIS WIFE, Grantees;

WHEREAS, the Grantors are seized in fee simple and in possession of lands lying in Section 18, Township 4 South, Range 17 East, and that particular portion of it described following, and

WHEREAS, Grantees are seized in fee simple of a parcel of land contiguous to the land owned by Grantors, and

WHEREAS, Grantors have agreed in consideration of the sum of Ten Dollars ($10.00) and other good and valuable consideration to grant to Grantees and all other persons claiming by, through or under Grantors, or either of them, their predecessors in title, or their heirs, assigns of legal representatives by virtue of any deeds of conveyances, an easement or right of way over the land described below for the purposes and in the manner expressed below;

NOW THIS INDENTURE WITNESSETH that in pursuant of this agreement and in consideration of the sum of Ten Dollars ($10.00) and other good and valuable consideration, receipt of which is acknowledged, Grantors grant unto Grantees, its heirs and assigns, and to all other likely situated as above described, and their heirs and assigns;

Full and free right and liberty for them and their tenants, servants, visitors and licensees, in common with all persons having the like right, at all times hereafter, for all purposes in connection with the use and enjoyment of the land of the Grantees and those likely situated for whatever purpose the land from time to time lawfully may be used and enjoyed, a perpetual and exclusive easement, to pass and repass along the provided roadway or roadways more particularly described as follows:

COMMENCE AT THE SOUTHEAST CORNER OF SECTION 18, TOWNSHIP 4 SOUTH, RANGE 17 EAST AND RUN N 1°09' W ALONG THE EAST LINE OF SAID SECTION 1417.87 FEET;THENCE S 88°30' W, 577.0 FEET; THENCE N 0°05' E, 708.5 FEET TO THE POINT OF BEGINNING; THENCE S 88°17' W, 140.0 FEET TO THE END OF COUNTY ROAD RIGHT-OF-WAY;THENCE N 0°05' E, 60.0 FEET; THENCE N 88°17' E, 140.0 FEET; THENCE S 0°05' W, 60.0 FEET TO THE POINT OF BEGINNING.

Inst:2006011853 Date:05/15/2006 Time:15:09
Doc Stamp-Deed : 0.70
DC,P.DeWitt Cason,Columbia County B:1083 P:2150

TO HAVE AND TO HOLD the easement or right of way hereby granted unto Grantees, Grantee's heirs and assigns and those likely situated as described above, and their heirs and assigns, as appurtenant to the land of the Grantees and those likely situated and every part of it.

It is understood that the easement is given upon the express understanding and condition that it may be used by Grantors, their heirs, executors, administrators and assigns in conjunction with the use of Grantees, Grantee's heirs and assigns and other likely situated and their heirs and assigns.

It is further understood that Grantors, their heirs, assigns and tenants in no way will be bound to improve, maintain or construct a roadway or to keep it in repair; nor do Grantors, their heirs and assigns assume any liability or responsibility to Grantees, Grantee's heirs and assigns, or any person using the land by invitation, expressed or implied, or by reason of any business conducted with Grantees, their heirs and assigns, or otherwise.

IN WITNESS WHEREOF, Grantors have set their hands and seals on the day and year first above written.

Witness Signature MARTHA BRYAN

Printed Name

Witness Signature

Regina Simpkins
Printed Name

A. C. MILTON
Address:

Address:

STATE OF FLORIDA
COUNTY OF COLUMBIA

I hereby certify that on this day, before me, an officer duly authorized in the state aforesaid and in the county aforesaid to take acknowledgments, personally appeared A. C. MILTON, who is/are personally known to me or who, by producing the identification described below, is/are known to me to be the person(s) described in and who executed the foregoing instrument and acknowledged before me that they executed the same for the purpose(s) therein expressed.

Witness my hand and official seal in the county and state aforesaid this 4th day of April 2006.

Martha Bryan
Commission # DD232534
Expires August 10, 2007
Bonded Troy Fain - Insurance, Inc. 800-385-7019

Notary Public
My Commission Expires: _____

{seal}

Inst:2006011853 Date:05/15/2006 Time:15:09
Doc Stamp-Deed : 0.70
DC,P.DeWitt Cason,Columbia County B:1083 P:2151

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD (850) 487-1395
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

RYE, JERRY LARGUS
RYE CONSTRUCTION COMPANY INC
3817 NW 28TH TER
GAINESVILLE FL 32605-2228

C# 2692864

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD **SEQ#L06080201368**

DATE	BATCH NUMBER	LICENSE NBR
08/02/2006	068019398	CGC1511121

The GENERAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2008

RYE, JERRY LARGUS
RYE CONSTRUCTION COMPANY INC
3817 NW 28TH TER
GAINESVILLE FL 32605-2228

JEB BUSH
GOVERNOR

SIMONE MARSTILLER
SECRETARY

DISPLAY AS REQUIRED BY LAW

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

(850) 487-1395

RYE CONSTRUCTION COMPANY INC
3817 NW 28 TERRACE
GAINESVILLE FL 32605

STATE OF FLORIDA AC# 2563163
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

QB47518 04/27/06 050715576

QUALIFIED BUSINESS ORGANIZATION
RYE CONSTRUCTION COMPANY INC

(NOT A LICENSE TO PERFORM WORK. ALLOWS COMPANY TO DO BUSINESS IF IT HAS A LICENSED QUALIFIER.)

IS QUALIFIED under the provisions of Ch.489 FS.
Expiration date: AUG 31, 2007 L06042700330

DETACH HERE

AC# 2563163

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD SEQ# L06042700330

DATE	BATCH NUMBER	LICENSE NBR
04/27/2006	050715576	QB47518

The BUSINESS ORGANIZATION
Named below IS QUALIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2007
(THIS IS NOT A LICENSE TO PERFORM WORK. THIS ALLOWS COMPANY TO DO BUSINESS ONLY IF IT HAS A QUALIFIER.)

RYE CONSTRUCTION COMPANY INC
3817 NW 28 TERRACE
GAINESVILLE FL 32605

JEB BUSH
GOVERNOR

DISPLAY AS REQUIRED BY LAW

SIMONE MARSTILLER
SECRETARY

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/11/2006

PRODUCER (352)377-2002 FAX (352)376-8393
Scarborough Company Insurance, Inc.
2811 NW 41st Street
P. O. Box 147050
Gainesville, FL 32614-7050

INSURED Rye Construction Company, Inc.
3817 NW 28th Terrace
Gainesville, FL 32605

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: Auto Owners Insurance Co.	18988
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A		GENERAL LIABILITY [X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [ ] PRO-JECT [ ] LOC	B06101102258	10/11/2006	10/11/2007	EACH OCCURRENCE	$ 500,000
						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
						MED EXP (Any one person)	$ 10,000
						PERSONAL & ADV INJURY	$ 500,000
						GENERAL AGGREGATE	$ 1,000,000
						PRODUCTS - COMP/OP AGG	$ 1,000,000
		AUTOMOBILE LIABILITY [ ] ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS [ ] HIRED AUTOS [ ] NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident)	$
						BODILY INJURY (Per person)	$
						BODILY INJURY (Per accident)	$
						PROPERTY DAMAGE (Per accident)	$
		GARAGE LIABILITY [ ] ANY AUTO				AUTO ONLY - EA ACCIDENT	$
						OTHER THAN AUTO ONLY: EA ACC	$
						AGG	$
		EXCESS/UMBRELLA LIABILITY [ ] OCCUR [ ] CLAIMS MADE [ ] DEDUCTIBLE [ ] RETENTION $				EACH OCCURRENCE	$
						AGGREGATE	$
							$
							$
							$
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				[ ] WC STATU-TORY LIMITS [ ] OTH-ER	
						E.L. EACH ACCIDENT	$
						E.L. DISEASE - EA EMPLOYEE	$
						E.L. DISEASE - POLICY LIMIT	$
		OTHER					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS
General Contractor Licence# CGC1511121; FEIN# 74-3164785

CERTIFICATE HOLDER

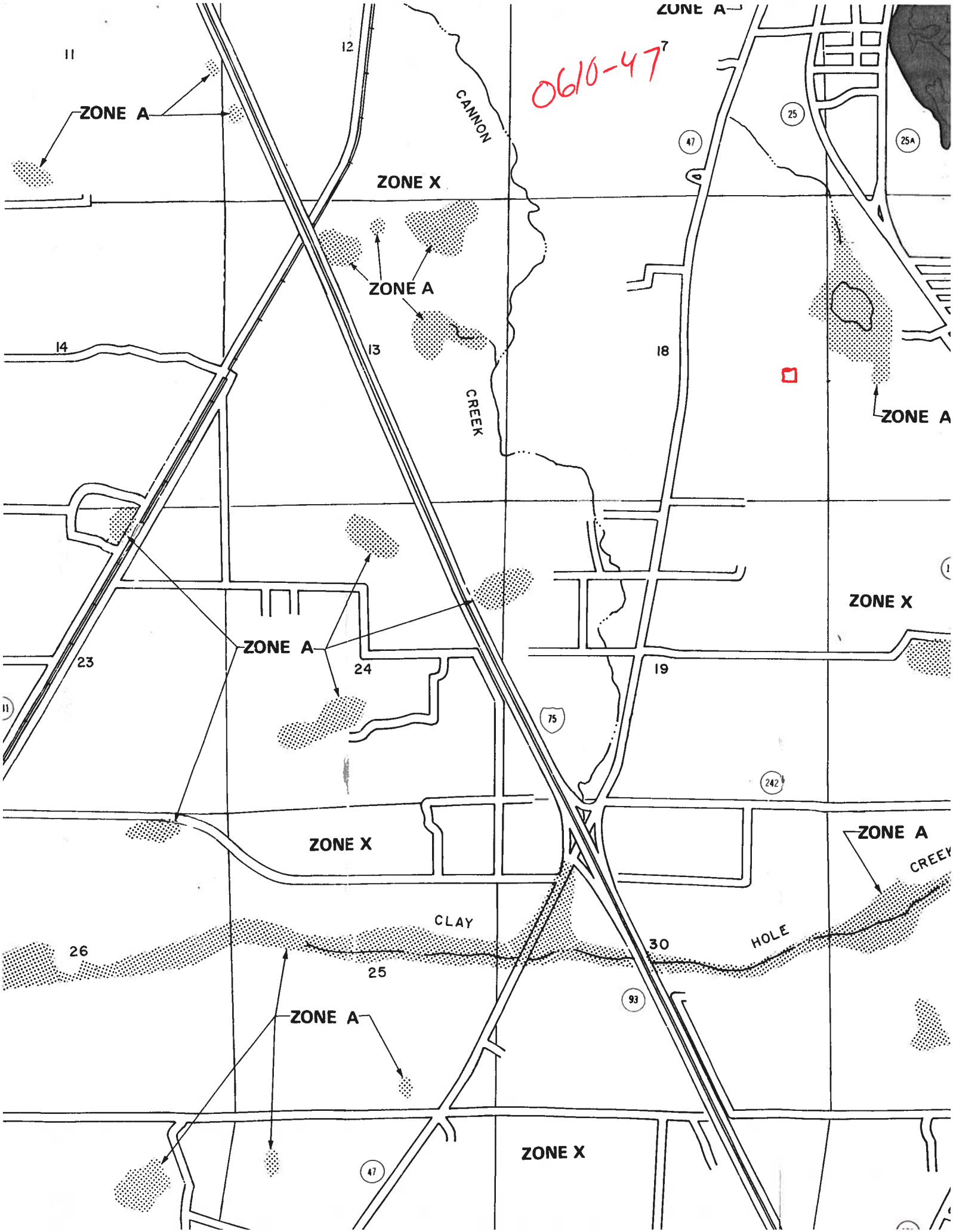
City of Lake City, Bldg Department
150 N Alachua Street
Lake City, FL 32055

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE
Carol Ann Haythorne

ACORD 25 (2001/08)


0610-47
ZONE A
ZONE X
CANNON
CREEK
CLAY
HOLE
11
12
13
14
18
19
23
24
25
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30
25
25A
47
75
242
93

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**MILLIGAN RESIDENCE**	Builder:	**DAVID AND JENNIFER MILLIC**
Address:		Permitting Office:	**COLUMBIA COUNTY**
City, State:	,	Permit Number:	
Owner:	**DAVID AND JENNIFER MILLIGAN**	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: 60.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	No		
6. Conditioned floor area (ft²)	2939 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. Description Area (Dble Default) 243.0 ft²	13. Heating systems	
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 343.0 ft²	a. PTHP	Cap: 60.0 kBtu/hr
			COP: 3.40
8. Floor types		b. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 274.0(p) ft		
b. N/A		c. N/A	
c. N/A			
9. Wall types		14. Hot water systems	
a. Concrete, Int Insul, Exterior	R=5.0, 2102.0 ft²	a. Electric Resistance	Cap: 60.0 gallons
b. Concrete, Int Insul, Adjacent	R=5.0, 189.0 ft²		EF: 0.93
c. N/A		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, 2939.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 70.0 ft		
b. N/A			

Glass/Floor Area: 0.12	Total as-built points: 33521 Total base points: 41435	PASS

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

PREPARED BY: Larry Desmarais a/c

DATE: Oct 25, 2006

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

OWNER/AGENT: _____

DATE: _____

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

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE

GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points
.18 2939.0	20.04	10601.6

WALL TYPES	Area X	BSPM	= Points
Adjacent	189.0	0.70	132.3
Exterior	2102.0	1.70	3573.4
Base Total:	**2291.0**		**3705.7**

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	2939.0	1.73	5084.5
Base Total:	**2939.0**		**5084.5**

FLOOR TYPES	Area X	BSPM	= Points
Slab	274.0(p)	-37.0	-10138.0
Raised	0.0	0.00	0.0
Base Total:			**-10138.0**

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF = Points
Double, Clear	SE	10.0	6.0	75.0	42.75	0.42 1340.7
Double, Clear	W	10.0	6.0	15.0	38.52	0.43 247.8
Double, Clear	NE	1.5	3.0	18.0	29.56	0.76 403.8
Single, Clear	SE	10.0	5.0	16.0	48.65	0.40 314.5
Double, Clear	SW	1.5	3.0	12.0	40.16	0.67 324.1
Double, Clear	N	10.0	6.0	15.0	19.20	0.64 184.1
Single, Clear	NW	10.0	8.0	42.0	29.42	0.60 740.4
Double, Clear	NW	1.5	6.0	45.0	25.97	0.93 1081.7
Double, Clear	SW	10.0	3.0	6.0	40.16	0.37 88.7
Single, Clear	SW	10.0	8.0	42.0	45.75	0.45 859.8
Double, Clear	NW	10.0	6.0	42.0	25.97	0.56 612.0
Double, Clear	NE	1.5	6.0	15.0	29.56	0.92 408.1
As-Built Total:				**343.0**		**6605.7**

Type	R-Value	Area X	SPM = Points
Concrete, Int Insul, Exterior	5.0	2102.0	1.00 2102.0
Concrete, Int Insul, Adjacent	5.0	189.0	0.70 132.3
As-Built Total:		**2291.0**	**2234.3**

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

Type	R-Value	Area X	SPM X SCM = Points
Under Attic	30.0	2939.0	1.73 X 1.00 5084.5
As-Built Total:		**2939.0**	**5084.5**

Type	R-Value	Area X	SPM = Points
Slab-On-Grade Edge Insulation	0.0	274.0(p	-41.20 -11288.8
As-Built Total:		**274.0**	**-11288.8**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points		Area X	SPM	= Points			
	2939.0	10.21	30007.2		2939.0	10.21	30007.2			
Summer Base Points: 39439.4				**Summer As-Built Points:**						**32821.4**
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 60000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)						
				32821	1.00	(1.09 x 1.147 x 1.00)	0.263	1.000	10773.1	
39439.4	**0.4266**	**16824.9**		**32821.4**	**1.00**	**1.250**	**0.263**	**1.000**	**10773.1**	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	2939.0	12.74	6739.7	Double, Clear	SE	10.0	6.0	75.0	14.71	2.38	2623.6	
				Double, Clear	W	10.0	6.0	15.0	20.73	1.21	377.3	
				Double, Clear	NE	1.5	3.0	18.0	23.57	1.02	434.6	
				Single, Clear	SE	10.0	5.0	16.0	21.82	2.48	864.5	
				Double, Clear	SW	1.5	3.0	12.0	16.74	1.24	249.5	
				Double, Clear	N	10.0	6.0	15.0	24.58	1.02	377.5	
				Single, Clear	NW	10.0	8.0	42.0	32.93	1.03	1421.9	
				Double, Clear	NW	1.5	6.0	45.0	24.30	1.00	1096.8	
				Double, Clear	SW	10.0	3.0	6.0	16.74	2.03	204.0	
				Single, Clear	SW	10.0	8.0	42.0	24.09	1.73	1748.3	
				Double, Clear	NW	10.0	6.0	42.0	24.30	1.03	1052.8	
				Double, Clear	NE	1.5	6.0	15.0	23.57	1.01	355.8	
				As-Built Total:				**343.0**			**10806.3**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	189.0	3.60	680.4	Concrete, Int Insul, Exterior	5.0	2102.0	5.70	11981.4
Exterior	2102.0	3.70	7777.4	Concrete, Int Insul, Adjacent	5.0	189.0	4.20	793.8
Base Total:	**2291.0**		**8457.8**	**As-Built Total:**		**2291.0**		**12775.2**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	21.0	11.50	241.5	Exterior Wood	21.0	12.30	258.3
Exterior	21.0	12.30	258.3	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	2939.0	2.05	6024.9	Under Attic	30.0	2939.0	2.05 X 1.00	6024.9
Base Total:	**2939.0**		**6024.9**	**As-Built Total:**		**2939.0**		**6024.9**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	274.0(p)	8.9	2438.6	Slab-On-Grade Edge Insulation	0.0	274.0(p	18.80	5151.2
Raised	0.0	0.00	0.0					
Base Total:			**2438.6**	**As-Built Total:**		**274.0**		**5151.2**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points			
	2939.0	-0.59	-1734.0		2939.0	-0.59	-1734.0			
Winter Base Points:			**22426.9**	**Winter As-Built Points:**						**33523.4**
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: PTHP 60000 btuh ,EFF(3.4) Ducts:Unc(S),Unc(R),Gar(AH),R6.0						
22426.9	0.6274	14070.6		33523.4	1.000	(1.069 x 1.169 x 1.00)	0.294	1.000	12321.4	
				33523.4	**1.00**	**1.250**	**0.294**	**1.000**	**12321.4**	

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
4	2635.00	10540.0		60.0	0.93	4	1.00	2606.67	1.00	10426.7
				As-Built Total:						**10426.7**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
16825	**14071**	**10540**	**41435**	**10773**	**12321**	**10427**	**33521**

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.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.7

The higher the score, the more efficient the home.

DAVID AND JENNIFER MILLIGAN, , , ,

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family			a. Central Unit	Cap: 60.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 13.00
4.	Number of Bedrooms	4			b. N/A	
5.	Is this a worst case?	No				
6.	Conditioned floor area (ft²)	2939 ft²			c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					
	a. U-factor:	Description Area		13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble Default) 243.0 ft²			a. PTHP	Cap: 60.0 kBtu/hr
	b. SHGC:					COP: 3.40
	(or Clear or Tint DEFAULT)	7b. (Clear) 343.0 ft²			b. N/A	
8.	Floor types					
	a. Slab-On-Grade Edge Insulation	R=0.0, 274.0(p) ft			c. N/A	
	b. N/A					
	c. N/A			14.	Hot water systems	
9.	Wall types				a. Electric Resistance	Cap: 60.0 gallons
	a. Concrete, Int Insul, Exterior	R=5.0, 2102.0 ft²				EF: 0.93
	b. Concrete, Int Insul, Adjacent	R=5.0, 189.0 ft²			b. N/A	
	c. N/A					
	d. N/A				c. Conservation credits	
	e. N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 2939.0 ft²		15.	HVAC credits	
	b. N/A				(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A				HF-Whole house fan,	
11.	Ducts				PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 70.0 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.

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**NEW MILLIGAN**	Builder:	Rye Const.
Address:	**431 S.W. HUDSON LANE**	Permitting Office:	**COLUMBIA COUNTY**
City, State:	**LAKE CITY, FL**	Permit Number:	25161
Owner:	**JENNIFER AND DAVID MILLIGAN**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	3	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	3471 ft²	
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. Description Area (Dble Default) 249.0 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 349.0 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 273.0(p) ft	
b.	Raised Wood, Adjacent	R=13.0, 30.0ft²	
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.2, 2327.0 ft²	
b.	Frame, Wood, Adjacent	R=12.9, 531.0 ft²	
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Under Attic	R=30.0, 3471.0 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 46.0 ft	
b.	Sup: Con. Ret: Con. AH: Attic	Sup. R=6.0, 38.0 ft	

12.	Cooling systems		
a.	Central Unit	Cap: 48.0 kBtu/hr	
		SEER: 13.00	
b.	Central Unit	Cap: 30.0 kBtu/hr	
		SEER: 13.00	
c.	N/A		
13.	Heating systems		
a.	PTHP	Cap: 48.0 kBtu/hr	
		COP: 3.60	
b.	PTHP	Cap: 30.0 kBtu/hr	
		COP: 3.60	
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 80.0 gallons	
		EF: 0.93	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.10

Total as-built points: 33789

Total base points: 45119

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: Aug 4, 2006

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: **431 S.W. HUDSON LANE, LAKE CITY, FL,** 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	3471.0	20.04	12520.6	Double, Clear	SE	10.0	6.0	75.0	42.75	0.42	1340.7
				Double, Clear	NW	8.0	6.0	15.0	25.97	0.59	230.6
				Single, Clear	SE	10.0	5.0	16.0	48.65	0.40	314.5
				Double, Clear	SW	1.5	3.0	12.0	40.16	0.67	324.1
				Double, Clear	N	10.0	6.0	15.0	19.20	0.64	184.1
				Single, Clear	NW	10.0	8.0	42.0	29.42	0.60	740.4
				Double, Clear	NW	1.5	6.0	30.0	25.97	0.93	721.1
				Double, Clear	NW	10.0	5.5	27.0	25.97	0.55	387.1
				Double, Clear	W	10.0	6.0	15.0	38.52	0.43	247.8
				Double, Clear	SW	10.0	3.0	6.0	40.16	0.37	88.7
				Single, Clear	SW	10.0	8.0	42.0	45.75	0.45	859.8
				Double, Clear	NW	1.5	3.0	6.0	25.97	0.78	122.2
				Double, Clear	NE	1.5	3.0	18.0	29.56	0.76	403.8
				Double, Clear	NE	1.5	6.0	15.0	29.56	0.92	408.1
				Double, Clear	NE	1.5	6.0	15.0	29.56	0.92	408.1
				As-Built Total:				**349.0**			**6781.2**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	531.0	0.70	371.7	Frame, Wood, Exterior	13.2	2327.0	1.48	3444.0
Exterior	2327.0	1.70	3955.9	Frame, Wood, Adjacent	12.9	531.0	0.61	321.3
Base Total:	**2858.0**		**4327.6**	**As-Built Total:**		**2858.0**		**3765.2**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	21.0	2.40	50.4	Exterior Wood	21.0	6.10	128.1
Exterior	21.0	6.10	128.1	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	3471.0	1.73	6004.8	Under Attic	30.0	3471.0	1.73 X 1.00	6004.8
Base Total:	**3471.0**		**6004.8**	**As-Built Total:**		**3471.0**		**6004.8**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	273.0(p)	-37.0	-10101.0	Slab-On-Grade Edge Insulation	0.0	273.0(p	-41.20	-11247.6
Raised	30.0	-3.99	-119.7	Raised Wood, Adjacent	13.0	30.0	0.63	18.8
Base Total:			**-10220.7**	**As-Built Total:**		**303.0**		**-11228.9**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **431 S.W. HUDSON LANE, LAKE CITY, FL,** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points		Area X	SPM	= Points			
	3471.0	10.21	35438.9		3471.0	10.21	35438.9			
Summer Base Points: 48249.7				**Summer As-Built Points:**						**40939.8**
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 48000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)						
				40940	0.62	(1.09 x 1.147 x 1.11)	0.263	1.000	8836.2	
				(sys 2: Central Unit 30000 btuh ,SEER/EFF(13.0) Ducts:Con(S),Con(R),Att(AH),R6.0(INS)						
				40940	0.38	(1.00 x 1.147 x 1.11)	0.263	1.000	5522.6	
48249.7	**0.4266**	**20583.3**		**40939.8**	**1.00**	**1.336**	**0.263**	**1.000**	**14358.8**	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **431 S.W. HUDSON LANE, LAKE CITY, FL,** PERMIT #:

BASE

GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points
.18 3471.0	12.74	7959.7

WALL TYPES	Area X	BWPM	= Points
Adjacent	531.0	3.60	1911.6
Exterior	2327.0	3.70	8609.9
Base Total:	**2858.0**		**10521.5**

DOOR TYPES	Area X	BWPM	= Points
Adjacent	21.0	11.50	241.5
Exterior	21.0	12.30	258.3
Base Total:	**42.0**		**499.8**

CEILING TYPES	Area X	BWPM	= Points
Under Attic	3471.0	2.05	7115.5
Base Total:	**3471.0**		**7115.5**

FLOOR TYPES	Area X	BWPM	= Points
Slab	273.0(p)	8.9	2429.7
Raised	30.0	0.96	28.8
Base Total:			**2458.5**

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF = Points
Double, Clear	SE	10.0	6.0	75.0	14.71	2.38 2623.6
Double, Clear	NW	8.0	6.0	15.0	24.30	1.03 374.9
Single, Clear	SE	10.0	5.0	16.0	21.82	2.48 864.5
Double, Clear	SW	1.5	3.0	12.0	16.74	1.24 249.5
Double, Clear	N	10.0	6.0	15.0	24.58	1.02 377.5
Single, Clear	NW	10.0	8.0	42.0	32.93	1.03 1421.9
Double, Clear	NW	1.5	6.0	30.0	24.30	1.00 731.2
Double, Clear	NW	10.0	5.5	27.0	24.30	1.03 677.3
Double, Clear	W	10.0	6.0	15.0	20.73	1.21 377.3
Double, Clear	SW	10.0	3.0	6.0	16.74	2.03 204.0
Single, Clear	SW	10.0	8.0	42.0	24.09	1.73 1748.3
Double, Clear	NW	1.5	3.0	6.0	24.30	1.01 147.7
Double, Clear	NE	1.5	3.0	18.0	23.57	1.02 434.6
Double, Clear	NE	1.5	6.0	15.0	23.57	1.01 355.8
Double, Clear	NE	1.5	6.0	15.0	23.57	1.01 355.8
As-Built Total:				**349.0**		**10943.6**

Type	R-Value	Area X	WPM	= Points
Frame, Wood, Exterior	13.2	2327.0	3.36	7818.7
Frame, Wood, Adjacent	12.9	531.0	3.32	1760.3
As-Built Total:		**2858.0**		**9579.0**

Type	Area X	WPM	= Points
Exterior Wood	21.0	12.30	258.3
Adjacent Wood	21.0	11.50	241.5
As-Built Total:	**42.0**		**499.8**

Type	R-Value	Area X	WPM X WCM =	Points
Under Attic	30.0	3471.0	2.05 X 1.00	7115.5
As-Built Total:		**3471.0**		**7115.5**

Type	R-Value	Area X	WPM	= Points
Slab-On-Grade Edge Insulation	0.0	273.0(p	18.80	5132.4
Raised Wood, Adjacent	13.0	30.0	3.25	97.5
As-Built Total:		**303.0**		**5229.9**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **431 S.W. HUDSON LANE, LAKE CITY, FL,** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM	= Points				Area X	WPM	=	Points
	3471.0	-0.59	-2047.9				3471.0	-0.59		-2047.9
Winter Base Points:			**26507.2**	**Winter As-Built Points:**						**31320.0**
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: PTHP 48000 btuh ,EFF(3.6) Ducts:Unc(S),Unc(R),Att(AH),R6.0						
				31320.0	0.615	(1.069 x 1.169 x 1.10)	0.278	1.000		7144.6
				(sys 2: PTHP 30000 btuh ,EFF(3.6) Ducts:Con(S),Con(R),Att(AH),R6.0						
				31320.0	0.385	(1.000 x 1.169 x 1.10)	0.278	1.000		4465.4
26507.2	**0.6274**	**16630.6**		**31320.0**	**1.00**	**1.334**	**0.278**	**1.000**		**11610.0**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **431 S.W. HUDSON LANE, LAKE CITY, FL,** 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		80.0	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
20583	**16631**	**7905**	**45119**	**14359**	**11610**	**7820**	**33789**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **431 S.W. HUDSON LANE, LAKE CITY, FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.4

The higher the score, the more efficient the home.

JENNIFER AND DAVID MILLIGAN, 431 S.W. HUDSON LANE, LAKE CITY, FL,

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	3	
5.	Is this a worst case?	No	
6.	Conditioned floor area (ft²)	3471 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
	a. U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Dble Default) 249.0 ft²	
	b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 349.0 ft²	
8.	Floor types		
	a. Slab-On-Grade Edge Insulation	R=0.0, 273.0(p) ft	
	b. Raised Wood, Adjacent	R=13.0, 30.0ft²	
	c. N/A		
9.	Wall types		
	a. Frame, Wood, Exterior	R=13.2, 2327.0 ft²	
	b. Frame, Wood, Adjacent	R=12.9, 531.0 ft²	
	c. N/A		
	d. N/A		
	e. N/A		
10.	Ceiling types		
	a. Under Attic	R=30.0, 3471.0 ft²	
	b. N/A		
	c. N/A		
11.	Ducts		
	a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 46.0 ft	
	b. Sup: Con. Ret: Con. AH: Attic	Sup. R=6.0, 38.0 ft	
12.	Cooling systems		
	a. Central Unit	Cap: 48.0 kBtu/hr SEER: 13.00	
	b. Central Unit	Cap: 30.0 kBtu/hr SEER: 13.00	
	c. N/A		
13.	Heating systems		
	a. PTHP	Cap: 48.0 kBtu/hr COP: 3.60	
	b. PTHP	Cap: 30.0 kBtu/hr COP: 3.60	
	c. N/A		
14.	Hot water systems		
	a. Electric Resistance	Cap: 80.0 gallons EF: 0.93	
	b. N/A		
	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

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.

Wind Load Analysis and Certification

Milligan Residence

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 = 15.5'

9/19/00

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
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 = 80', Longitudinal Shearwall = 59'
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 (Spruce Top Plates)
Other Wall Segments - Same as Shear Walls

Gabled End Wall Framing
Balloon Frame (see detail) or see attached alternate details.
T-Block (with 2x4's) bottom chord of porch gable trusses at 4' O.C to 6' from wall

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") 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 **Milligan 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 **Milligan Residence** **8/30/2006**

Wood Sections

HEADERS	Uplift Force Lbs	Top Connector Simpson **	Rating Lbs	Bottom Connector Simpson **	Rating Lbs
	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.

Horizontal Resistance - note: below values include resistance for 4 toenails of 200 lbs

up to 200 lbs - no device required
up to 310 lbs - use H2.5A
up to 725 lbs use H10
up to 1290 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

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

9/19/06

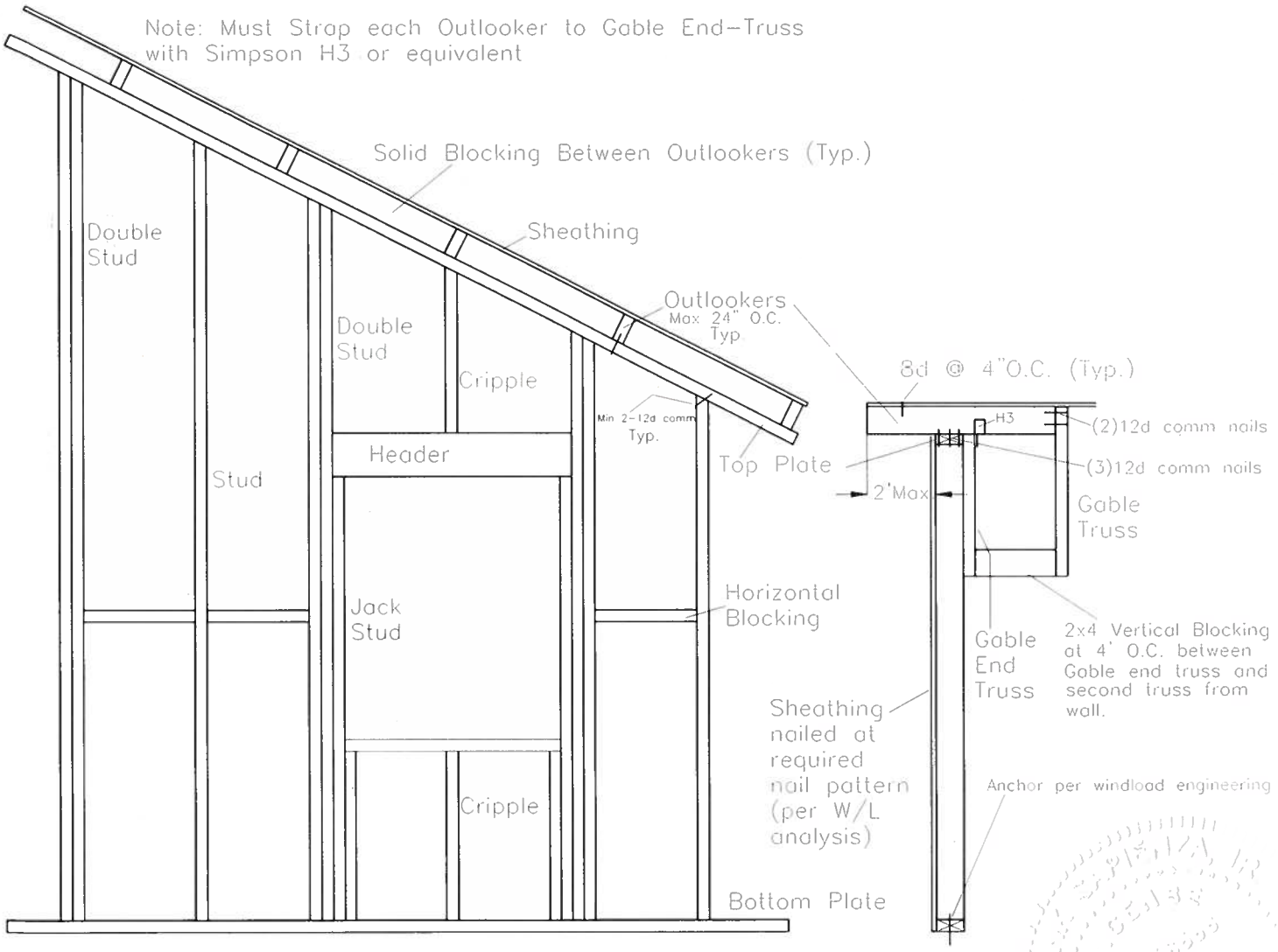
Acceptable Framing Method for Balloon Framed Gable End–Wall with trusses

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

Note: Must Strap each Outlooker to Gable End–Truss with Simpson H3 or equivalent

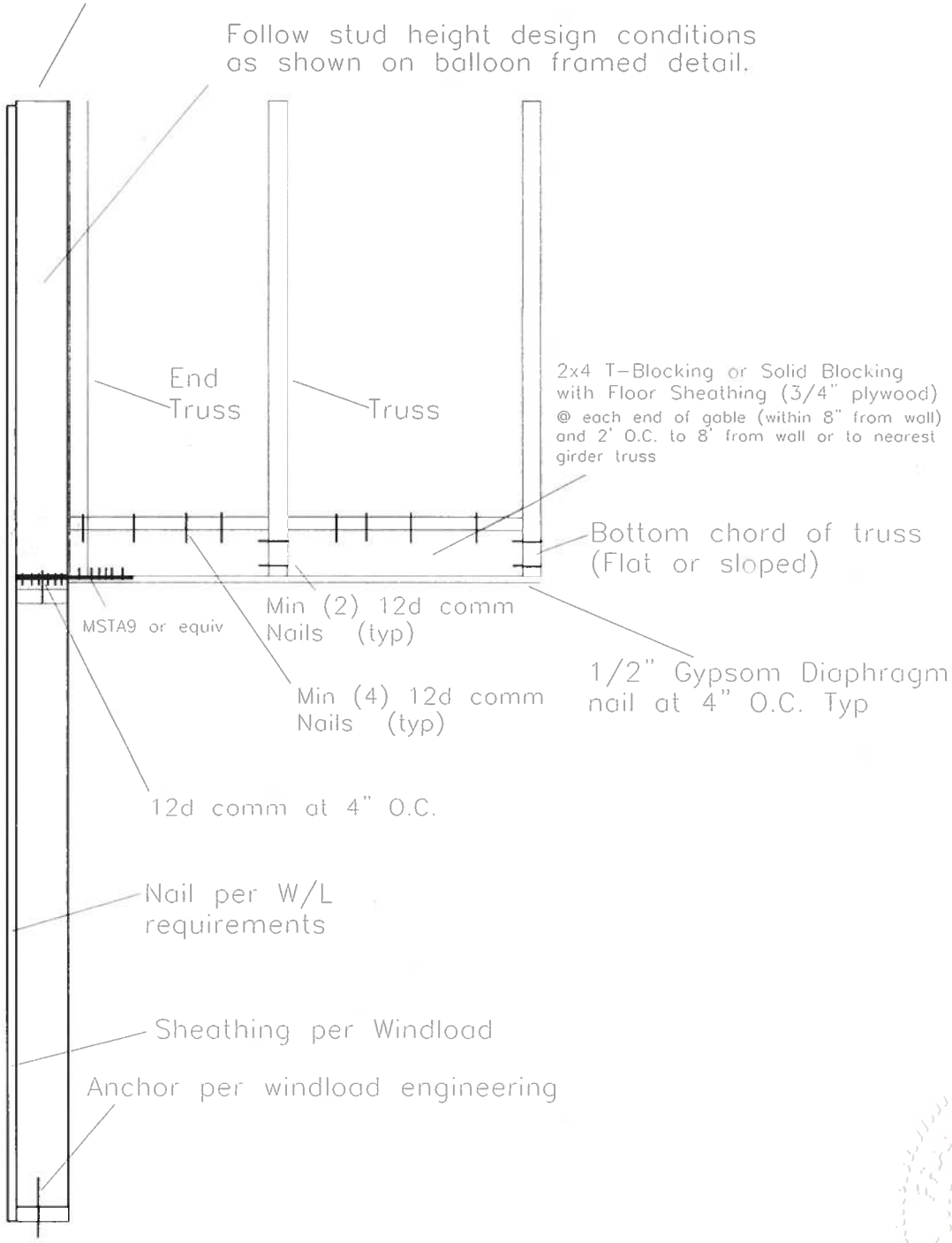


F. Sapienza, P.E. 9/06

9/19/06

Gable Endwall Framing
with Gable End–Truss

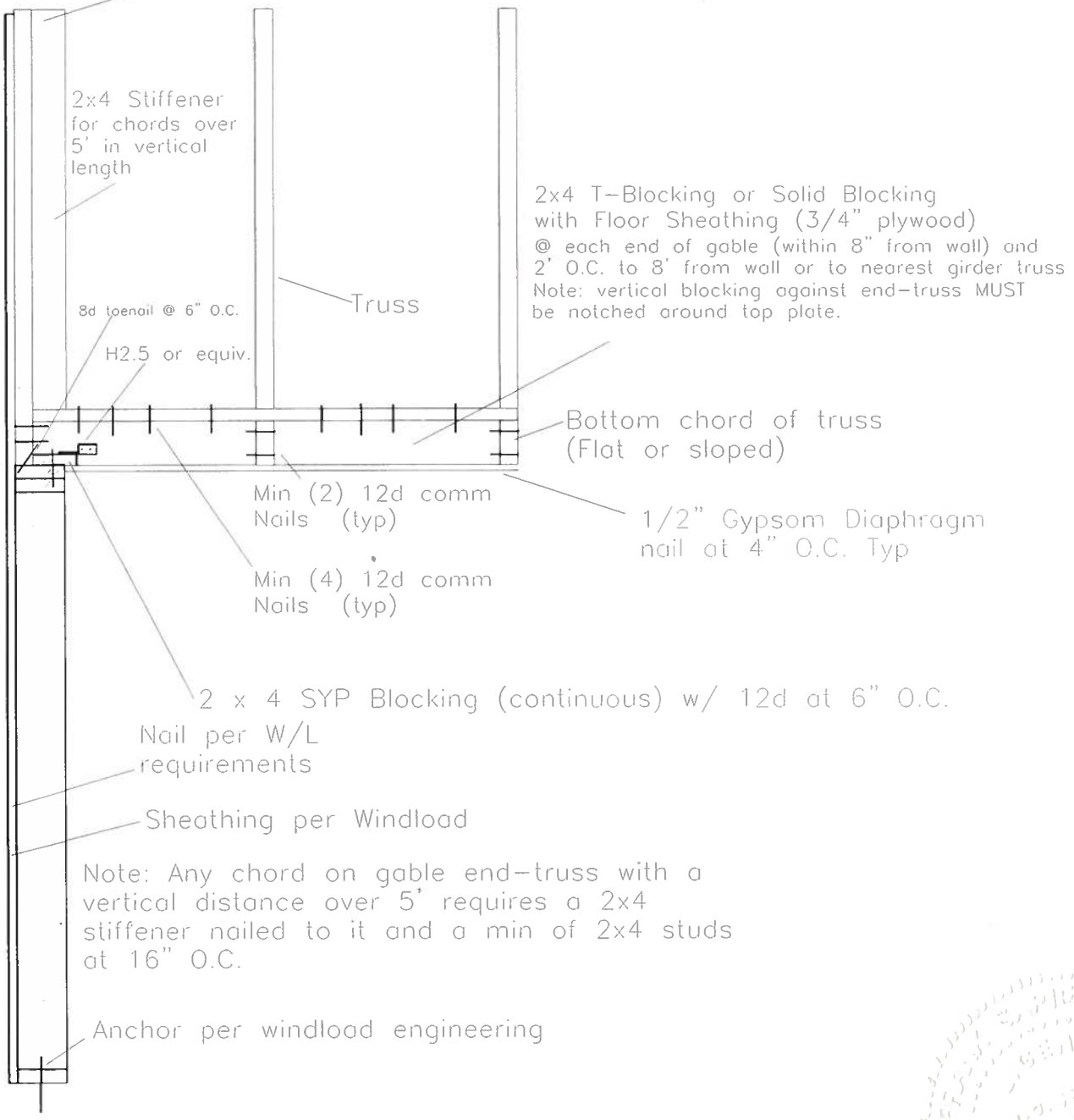
See Balloon Framed Detail for Outlooker framing requirements



9/19/96

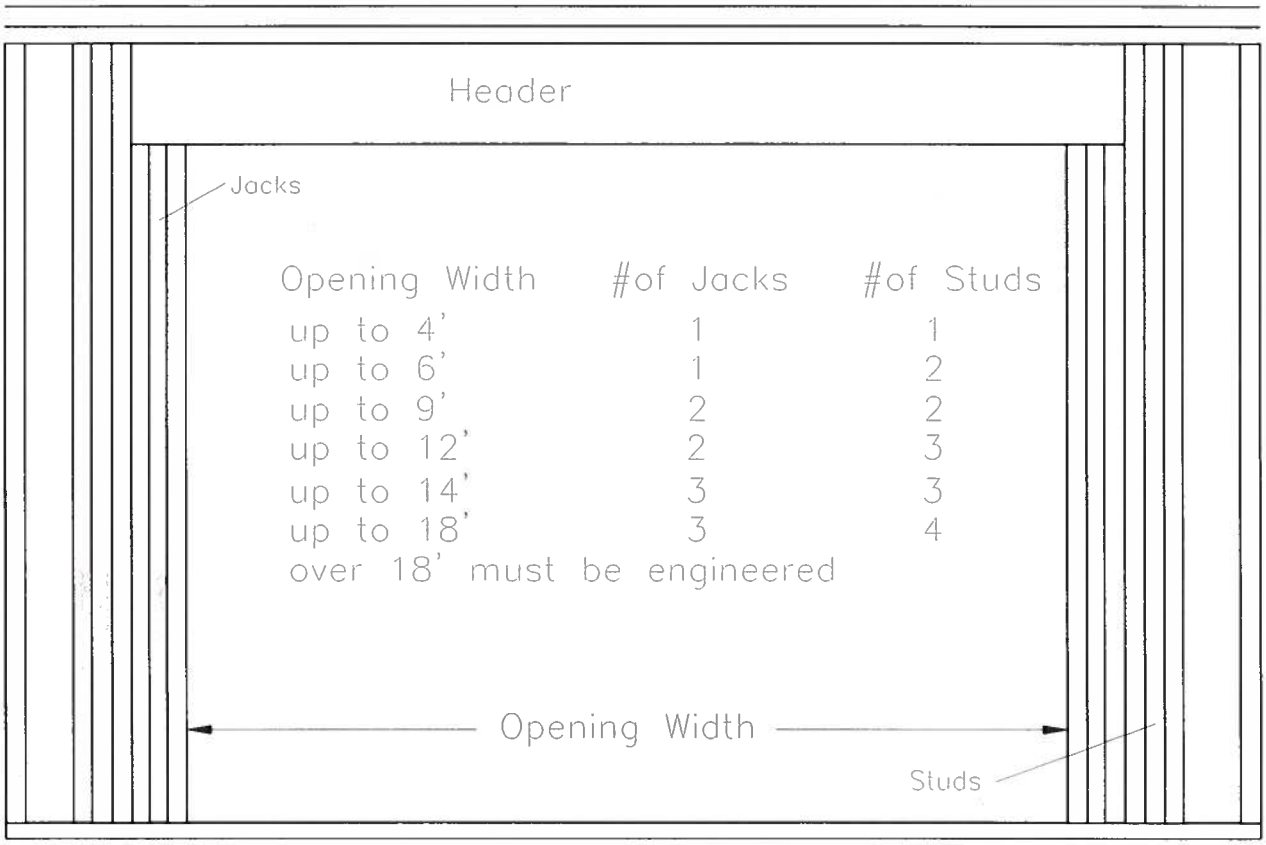
Gable Endwall Framing with Gable End–Truss

See Balloon Framed Detail for Outlooker framing requirements



9/19/06

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)



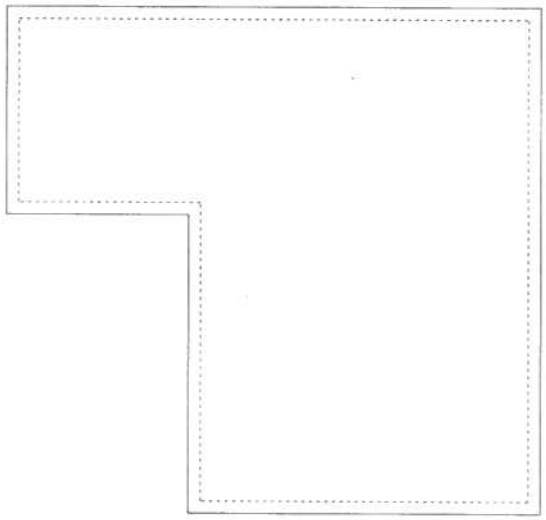
Opening Width	#of Jacks	#of Studs
up to 4'	1	1
up to 6'	1	2
up to 9'	2	2
up to 12'	2	3
up to 14'	3	3
up to 18'	3	4

over 18' must be engineered

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

9/19/08

Project Name: Milligan Residence



Location:

By: F Sapienza

Start Date: 9/20/2006

Comments:

ASCE7-02

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

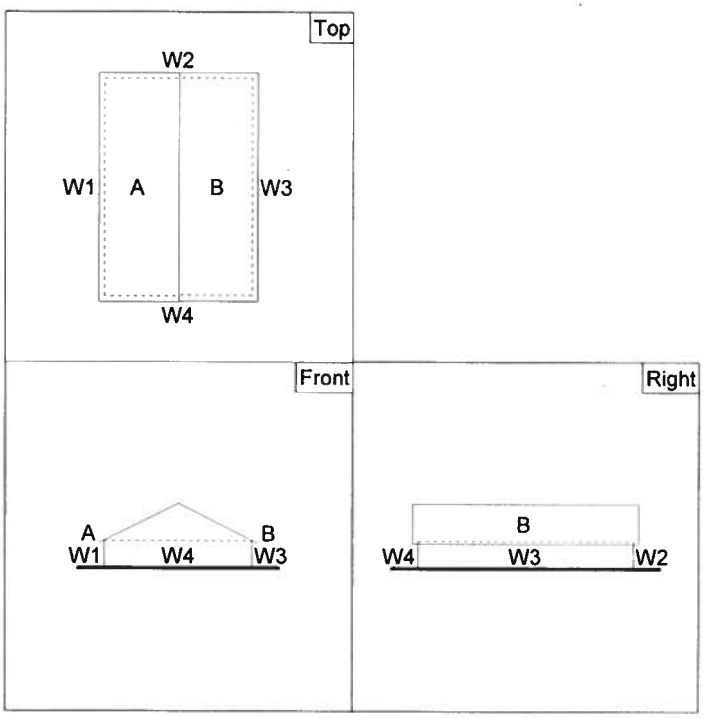
Enclosure Classification: Enclosed
Building Category: II

Wall	Length(ft)	Overhang(ft)
1	79.0	2.0
2	54.0	2.0
3	79.0	2.0
4	54.0	2.0

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

Roof Shape: Gabled

Roof	Slope(:12)
A&B	6.0



Section - Leg

Enclosure Classification: Enclosed
Building Category: II

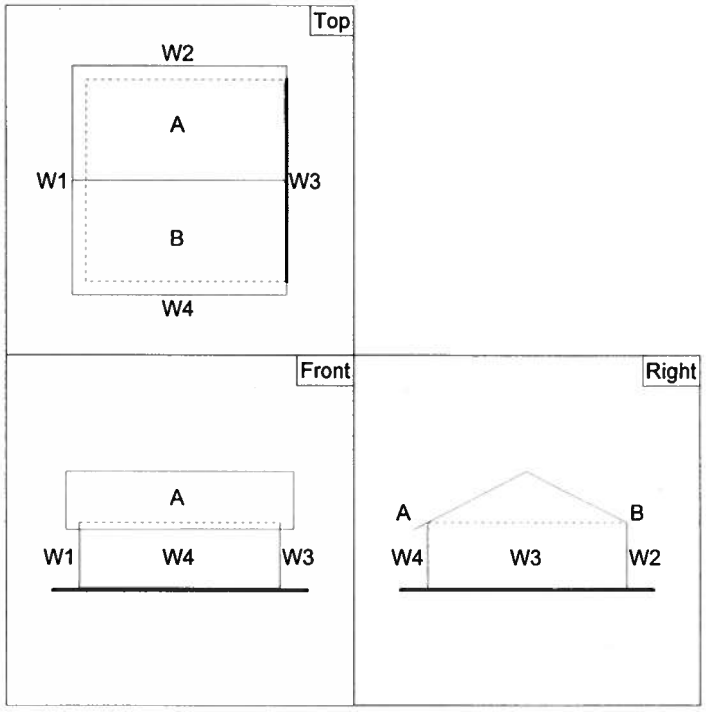
Connected to: Main Section
Connected to wall: W1
Position on W1: 0 ft

Wall	Length(ft)	Overhang(ft)
1	30.0	2.0
2	30.0	2.0
3	30.0	0.0
4	30.0	2.0

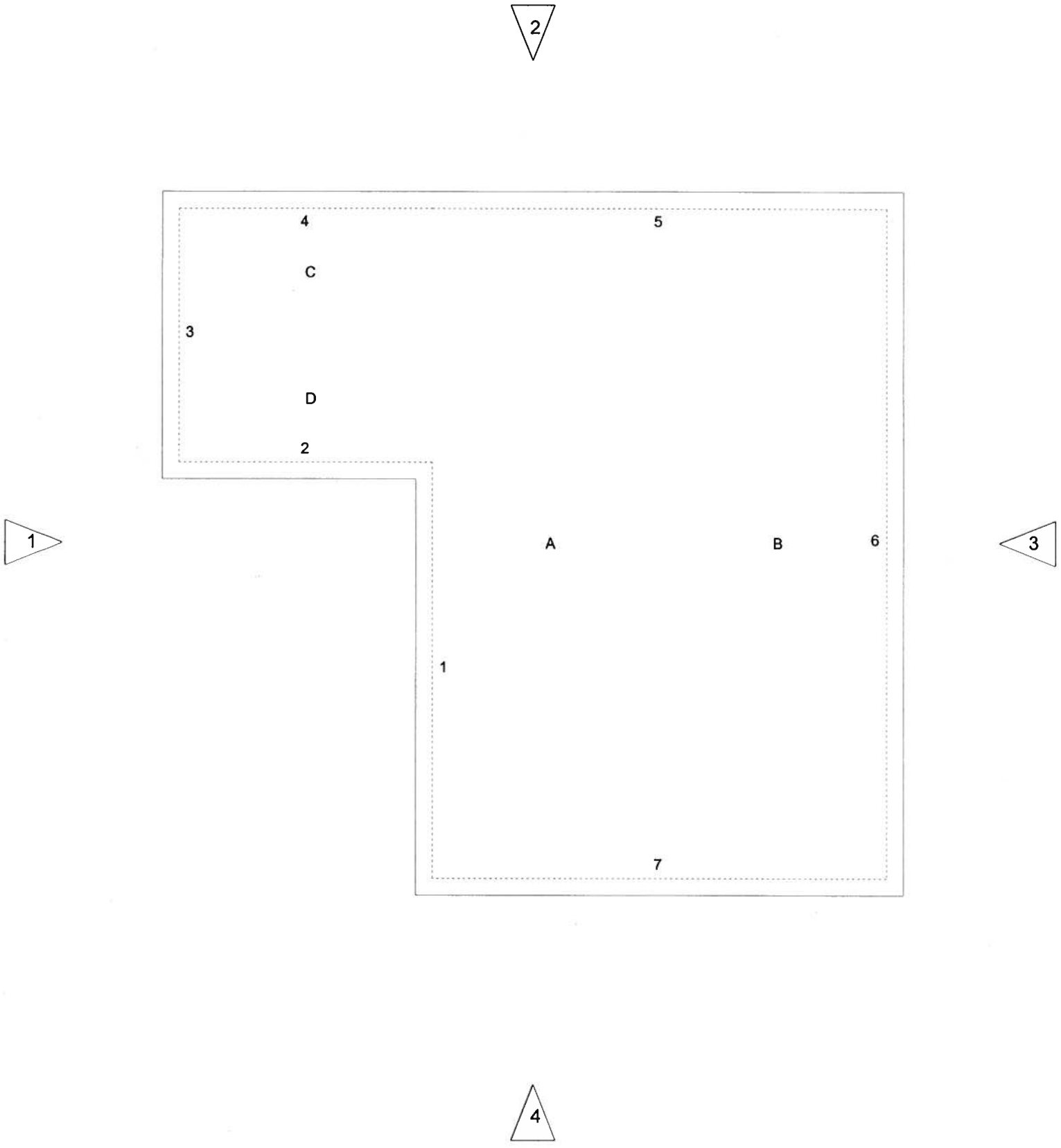
Eave Height: 10 ft
Parapet Height: 0 ft
Parapet Enclosure: Solid

Roof Shape: Gabled

Roof	Slope(:12)
A&B	6.0



Composite Drawing



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)
1	Windward Wall	0.0	15.1	0.85	0.80	0.18	10.3	7.5	13.1
		10.0	15.1				10.3	7.5	13.1
	Overhang Top	16.8	15.6		0.30	0	4.0		
		16.8	15.6		-0.20		-2.7		
	Overhang Bot	10.0	15.1		0.80		10.3		
2	Side Wall	16.8	15.6	0.85	-0.70	0.18	-9.3	-12.1	-6.5
3	Windward Wall	0.0	15.1	0.85	0.80	0.18	10.3	7.5	13.1
		15.0	15.1				10.3	7.5	13.1
		17.5	15.8				10.7	7.9	13.6
	Overhang Top	16.8	15.6		-0.90	0	-11.9		
	Overhang Bot	16.8	15.6		0.80		10.6		
4	Side Wall	16.8	15.6	0.85	-0.70	0.18	-9.3	-12.1	-6.5
5	Side Wall	16.8	15.6	0.85	-0.70	0.18	-9.3	-12.1	-6.5
6	Leeward Wall	16.8	15.6	0.85	-0.49	0.18	-6.5	-9.3	-3.7
7	Side Wall	16.8	15.6	0.85	-0.70	0.18	-9.3	-12.1	-6.5
A	Windward Roof	16.8	15.6	0.85	0.28	0.18	3.7	0.9	6.5
		16.8	15.6		-0.22		-2.9	-5.7	-0.1
B	Leeward Roof	16.8	15.6	0.85	-0.60	0.18	-8.0	-10.8	-5.1
C&D	Roof	0 to 8.4 *	15.6	0.85	-0.93	0.18	-12.3	-15.1	-9.5
		8.4 to 16.8 *	15.6		-0.88		-11.7	-14.5	-8.9
		16.8 to 30.0 *	15.6		-0.52		-6.9	-9.7	-4.1
		0 to 30.0 *	15.6		-0.18		-2.4	-5.2	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.

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	16.8	15.6	0.85	-0.70	0.18	-9.3	-12.1	-6.5
2	Leeward Wall	16.8	15.6		-0.50		-6.6	-9.4	-3.8
3	Side Wall	16.8	15.6	0.85	-0.70	0.18	-9.3	-12.1	-6.5
4	Windward Wall	0.0	15.1	0.85	0.80	0.18	10.3	7.5	13.1
		10.0	15.1				10.3	7.5	13.1
	Overhang Top	16.8	15.6		0.30	0	4.0		
		16.8	15.6		-0.20		-2.7		
	Overhang Bot	10.0	15.1		0.80		10.3		
5	Windward Wall	0.0	15.1	0.85		0.18	10.3	7.5	13.1
		15.0	15.1				10.3	7.5	13.1
		20.0	16.4				11.2	8.3	14.0
		23.5	17.2				11.7	8.9	14.5
	Overhang Top	16.8	15.6		-0.90	0	-11.9		
	Overhang Bot	16.8	15.6		0.80		10.6		
6	Side Wall	16.8	15.6	0.85	-0.70	0.18	-9.3	-12.1	-6.5
7	Leeward Wall	16.8	15.6	0.85	-0.50	0.18	-6.6	-9.4	-3.8
A&B	Roof	0 to 8.4 *	15.6	0.85	-0.90	0.18	-11.9	-14.7	-9.1
		8.4 to 16.8 *	15.6				-11.9	-14.7	-9.1
		16.8 to 33.5 *	15.6		-0.50		-6.6	-9.4	-3.8
		33.5 to 79.0 *	15.6		-0.30		-4.0	-6.8	-1.2
		0 to 79.0 *	15.6		-0.18		-2.4	-5.2	0.4
C	Windward Roof	16.8	15.6	0.85	0.18	0.18	2.4	-0.4	5.2
		16.8	15.6		-0.29		-3.8	-6.7	-1.0
D	Leeward Roof	16.8	15.6	0.85	-0.60	0.18	-8.0	-10.8	-5.1

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

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)

* Distance from windward edge.

ASCE7-02

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	16.8	15.6	0.85	-0.49	0.18	-6.5	-9.3	-3.7
2	Side Wall	16.8	15.6		-0.70		-9.3	-12.1	-6.5
3	Leeward Wall	16.8	15.6	0.85	-0.49	0.18	-6.5	-9.3	-3.7
4	Side Wall	16.8	15.6	0.85	-0.70	0.18	-9.3	-12.1	-6.5
5	Side Wall	16.8	15.6	0.85	-0.70	0.18	-9.3	-12.1	-6.5
6	Windward Wall	0.0	15.1	0.85	0.80	0.18	10.3	7.5	13.1
		10.0	15.1				10.3	7.5	13.1
	Overhang Top	16.8	15.6		0.30	0	4.0		
		16.8	15.6		-0.20		-2.7		
	Overhang Bot	10.0	15.1		0.80		10.3		
7	Side Wall	16.8	15.6	0.85	-0.70	0.18	-9.3	-12.1	-6.5
A	Leeward Roof	16.8	15.6	0.85	-0.60	0.18	-8.0	-10.8	-5.1
B	Windward Roof	16.8	15.6	0.85	0.28	0.18	3.7	0.9	6.5
		16.8	15.6		-0.22		-2.9	-5.7	-0.1
C&D	Roof	0 to 8.4 *	15.6	0.85	-0.93	0.18	-12.3	-15.1	-9.5
		8.4 to 16.8 *	15.6		-0.88		-11.7	-14.5	-8.9
		16.8 to 30.0 *	15.6		-0.52		-6.9	-9.7	-4.1
		0 to 30.0 *	15.6		-0.18		-2.4	-5.2	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 4

#	Surface	z (ft)	q (psf)	G	Cp	GCpi	Ext Pres (psf)	Net w/ +GCpi (psf)	Net w/ -GCpi (psf)
1	Side Wall	16.8	15.6	0.85	-0.70	0.18	-9.3	-12.1	-6.5
2	Windward Wall	0.0	15.1		0.80		10.3	7.5	13.1
		10.0	15.1				10.3	7.5	13.1
	Overhang Top	16.8	15.6		0.30	0	4.0		
		16.8	15.6		-0.20		-2.7		
	Overhang Bot	10.0	15.1		0.80		10.3		
3	Side Wall	16.8	15.6	0.85	-0.70	0.18	-9.3	-12.1	-6.5
4	Leeward Wall	16.8	15.6	0.85	-0.50	0.18	-6.6	-9.4	-3.8
5	Leeward Wall	16.8	15.6	0.85	-0.50	0.18	-6.6	-9.4	-3.8
6	Side Wall	16.8	15.6	0.85	-0.70	0.18	-9.3	-12.1	-6.5
7	Windward Wall	0.0	15.1	0.85	0.80	0.18	10.3	7.5	13.1
		15.0	15.1				10.3	7.5	13.1
		20.0	16.4				11.2	8.3	14.0
		23.5	17.2				11.7	8.9	14.5
	Overhang Top	16.8	15.6		-0.90	0	-11.9		
	Overhang Bot	16.8	15.6		0.80		10.6		
A&B	Roof	0 to 8.4 *	15.6	0.85	-0.90	0.18	-11.9	-14.7	-9.1
		8.4 to 16.8 *	15.6				-11.9	-14.7	-9.1
		16.8 to 33.5 *	15.6		-0.50		-6.6	-9.4	-3.8
		33.5 to 79.0 *	15.6		-0.30		-4.0	-6.8	-1.2
		0 to 79.0 *	15.6		-0.18		-2.4	-5.2	0.4
C	Leeward Roof	16.8	15.6	0.85	-0.60	0.18	-8.0	-10.8	-5.1
D	Windward Roof	16.8	15.6	0.85	0.18	0.18	2.4	-0.4	5.2
		16.8	15.6		-0.29		-3.8	-6.7	-1.0

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

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)

* Distance from windward edge.

Location: 731 SW HUNSON LANE **Project Name:** MILLIGAN

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS	THERMA-TRU		
1. Swinging	" "	EXT. FIBERGLASS + STEEL	FL 5262
2. Sliding			
3. Sectional			
4. Roll up	RAYNOR	7'x18' GARAGE DOOR	FL 3610
5. Automatic			
6. Other			
B. WINDOWS	BETTER-BILT	SERIES 740 FRAME FIN	FL 5438.23
1. Single hung			
2. Horizontal Slider	" "	" 740 FRAME FIN	FL 5438.23
3. Casement	N/A		
4. Double Hung	N/A		
5. Fixed	N/A		
6. Awning	N/A		
7. Pass -through	N/A		
8. Projected	N/A		
9. Mullion			
10. Wind Breaker	N/A		
11 Dual Action	N/A		
12. Other	N/A		
C. PANEL WALL			
1. Siding	JAMES HARDI	7 1/4 x 12 HARDI PLANK	FL 889.122
2. Soffits	REYNOLDS	VENTED ALUM	
3. EIFS	N/A		
4. Storefronts	N/A		
5. Curtain walls	N/A		
6. Wall louver	N/A		
7. Glass block	N/A		
8. Membrane	N/A		
9. Greenhouse	N/A		
10. Other	N/A		
D. ROOFING PRODUCTS			
1. Asphalt Shingles	N/A		
2. Underlayments	TAMKO	30 LB ASPHALT FELT	FL 1814.3
3. Roofing Fasteners	SEM	SCREWS	
4. Non-structural Metal Rf	SEM	5-V-CRIMP	272.1
5. Built-Up Roofing	N/A		
6. Modified Bitumen	N/A		
7. Single Ply Roofing Sys	N/A		
8. Roofing Tiles	N/A		
9. Roofing Insulation	N/A		
10. Waterproofing	N/A		
11. Wood shingles /shakes	N/A		
12. Roofing Slate	N/A		

13. Liquid Applied Roof Sys	N/A		
14. Cements-Adhesives – Coatings	N/A		
15. Roof Tile Adhesive	N/A		
16. Spray Applied Polyurethane Roof	N/A		
17. Other			
E. SHUTTERS			
1. Accordion	N/A		
2. Bahama	N/A		
3. Storm Panels	N/A		
4. Colonial	N/A		
5. Roll-up	N/A		
6. Equipment	N/A		
7. Others	N/A		
F. SKYLIGHTS			
1. Skylight	N/A		
2. Other	N/A		
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor	SIMPSON OR HUGHES AS PER		
2. Truss plates		STRUCTURAL ENGINEER	
3. Engineered lumber			
4. Railing	N/A		
5. Coolers-freezers	N/A		
6. Concrete Admixtures			
7. Material			
8. Insulation Forms	N/A		
9. Plastics	N/A		
10. Deck-Roof	7/16 OSB	AS PER STRUCTURAL ENG	
11. Wall	7/16 OSB	AS PER STRUCTURAC ENG	
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS	N/A		
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at th 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) the performance characteristics which the product was test and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspe

Contractor or Contractor's Authorized Agent Signature

JERRY RYE

Print Name

Date

431 S.W HUDSON LANE

Location

Permit # **(FOR STAFF USE ONLY)**

THERMA-TRU DOORS

Door Designer

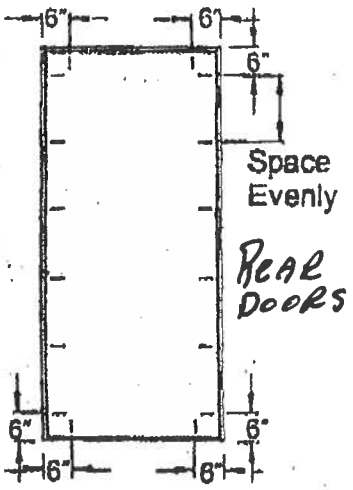
System Summary:

Product Line :
Smooth-Star Embossed Panel
Glass Style :
Concorde, Brushed Nickel Caming
Door Style :
S400-1C
Sidelite Style :
S416SL-1C
Transom Style :
None

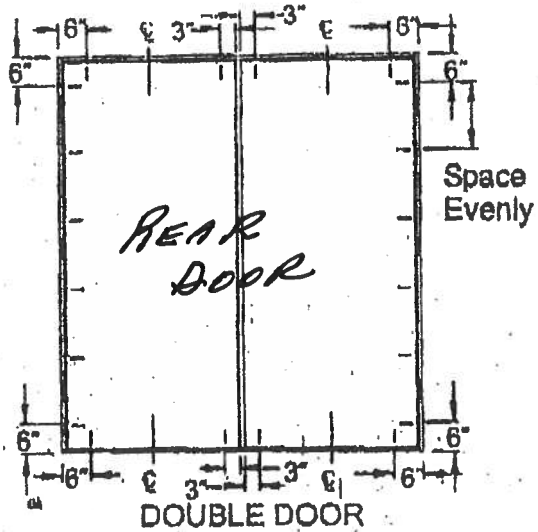
Door Height/Width :
3'0" x 6'8"
Sidelite Height/Width :
12" x 6'8"
Number of Sidelites :
Two

Stain :

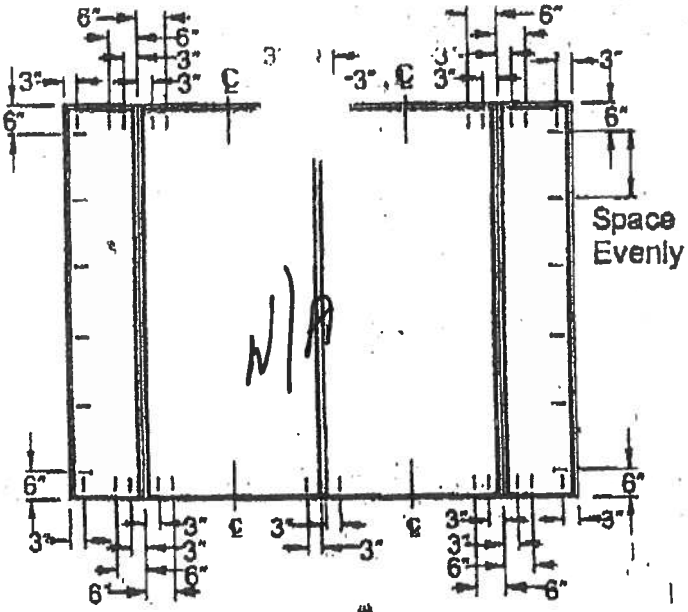
Paint :
Burgundy



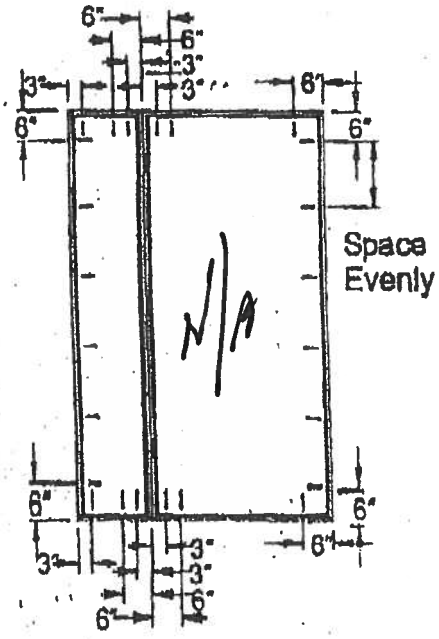
SINGLE DOOR



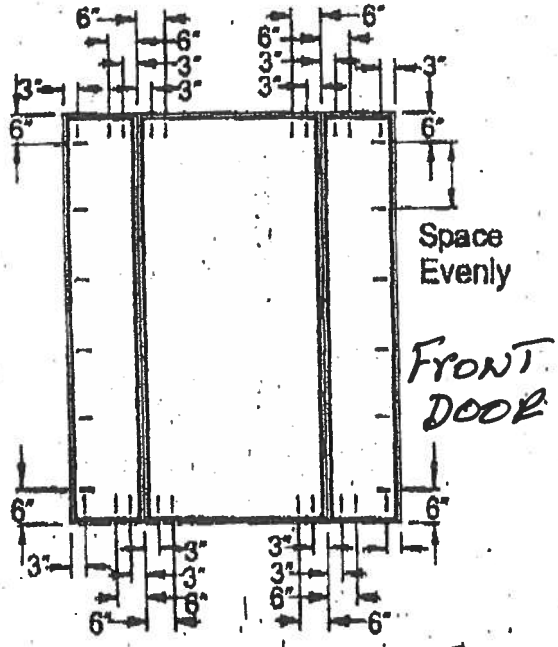
DOUBLE DOOR



DOUBLE DOOR W/SIDELITES



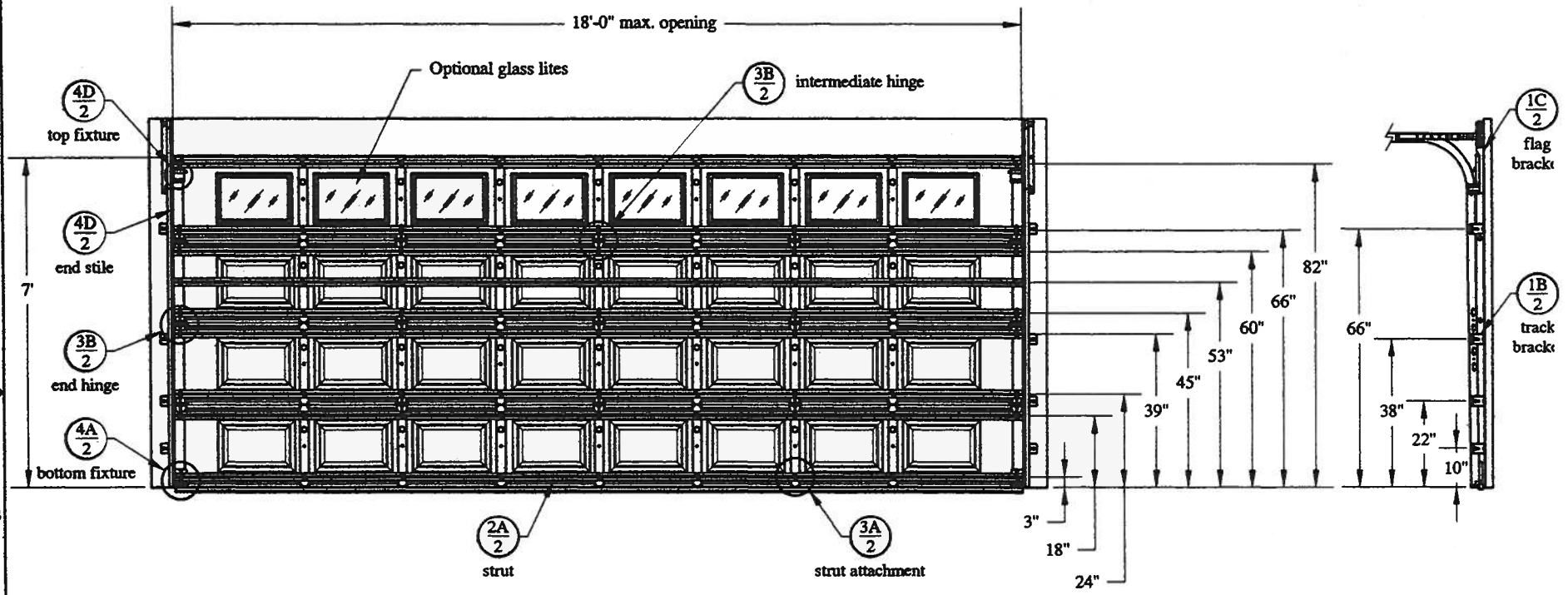
SINGLE DOOR W/SIDELITE



SINGLE DOOR W/SIDELITES

MANUFACTURER	SERIES	TYPE
SNE ENTERPRISES, INC / VETTER	415	SLIDING PATIO
(COMBS LUMBER AND SUPPLY, INC)	860	OUTSWING HINGED PATIO
	940	SLIDING PATIO
THERMA-TRU CORP.	PREMIUM	WOOD EDGE STEEL
REAR DOORS	CONSTRUCTION	WOOD EDGE STEEL AS PER ATTACHED
	CLASSIC-CRAFT	GLAZED FIBERGLASS
	FIBER-CLASSIC	GLAZED FIBERGLASS FASTENING AS PER ATTACHED
FRONT DOOR	SMOOTH-STAR	GLAZED FIBERGLASS
PGT INDUSTRIES	SGD-2000	SLIDING GLASS
KINCO	MARK 2-C	SLIDING GLASS
	MARK 3-C	SLIDING GLASS
	MARK 4 STD	SLIDING GLASS
	MARK 5 STD	SLIDING GLASS
CARADCO WINDOWS & DOORS	CLAD FRENCH MANOR	OUTSWING WOOD
JELD-WEN, INC	NORD/MORGAN/NICOLAE	WOOD SINGLE INSWING GLAZED
	NORD/MORGAN/NICOLAE	WOOD SINGLE OUTSWING GLAZED
	NORD/MORGAN	WOOD DOUBLE INSWING GLAZED
	NORD/MORGAN	WOOD DOUBLE INSWING OPAQUE
	NORD/MORGAN	WOOD SINGLE INSWING OPAQUE
	NORD/MORGAN	WOOD DOUBLE OUTSWING GLAZED
	NORD/MORGAN	WOOD DOUBLE OUTSWING OPAQUE
	NORD/MORGAN	WOOD SINGLE OUTSWING OPAQUE
	DOORCRAFT ALTERNA	8-0 OUTSWING GLAZED RESIDENTIAL WOOD FIBER
	DOORCRAFT ALTERNA	6-8 OUTSWING GLAZED RESIDENTIAL WOOD FIBER
	DOORCRAFT ALTERNA	8-0 OUTSWING OPAQUE RESIDENTIAL MOLDED WOOD
	DOORCRAFT ALTERNA	6-8 OUTSWING OPAQUE RESIDENTIAL WOOD FIBER
	DOORCRAFT ALTERNA	8-0 INSWING GLAZED RESIDENTIAL WOOD FIBER
	DOORCRAFT ALTERNA	6-8 INSWING GLAZED RESIDENTAIL WOOD FIBER
	DOORCRAFT ALTERNA	8-0 INSWING OPAQUE RESIDENTIAL MOLDED WOOD
	DOORCRAFT ALTERNA	6-8 INSWING OPAQUE RESIDENTIAL WOOD FIBER
	DOORCRAFT STEEL	SINGLE OUTSWING OPAQUE W/E INSULATED
JELD-WEN CONTINUED ON NEXT PAGE	DOORCRAFT STEEL	DOUBLE OUTSWING OPAQUE W/E INSULATED

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.

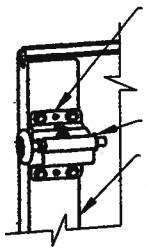
Preparation of jambs by others. Supporting structural elements shall be capable of holding windload shown on this drawing.

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

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

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



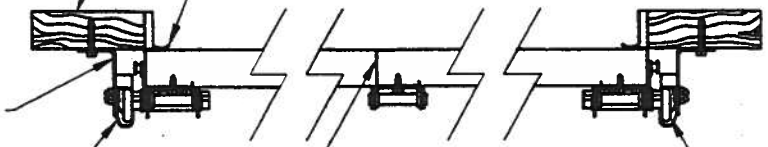
14 gauge (.070) galvanized steel top fixture manufactured by C.H.I. Each fixture attached with four 1/4" x 3/4" screws.

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.)



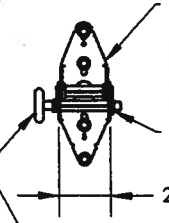
12 gauge (.095) galvanized steel track bracket fastened to wood jamb with one 5/16" x 1-5/8" wood lag screw per bracket.

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

2" steel roller

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.

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



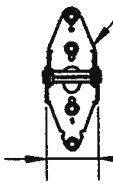
push nut

2" steel track roller.

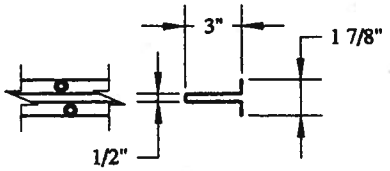
2 3/4"

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"

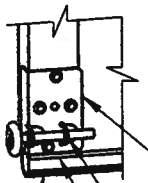


3"

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.



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

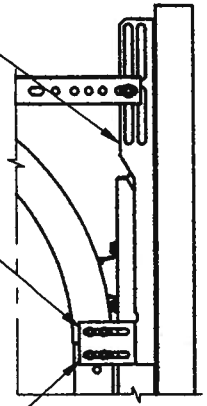
Vinyl weatherstrip

push nut

Aluminum extrusion

Details on some views may have been omitted for clarity.

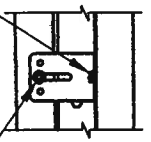
12 gauge (.086) galvanized steel flag bracket fastened to wood jamb with three 5/16" x 1-5/8" wood lag screws.



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.

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

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

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.

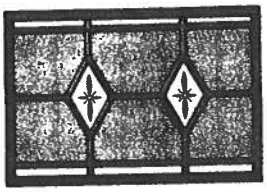
2250/4250
Uninsulated.

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

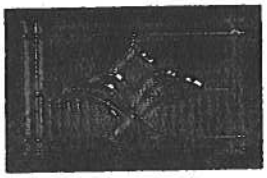

V-Groove Diamond


V-Groove Cathedral


Hawthorne Long


Hawthorne Short


Somerset Long


Somerset Short

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

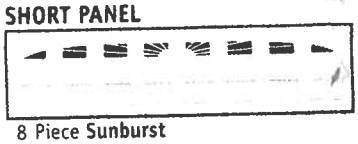
MODEL
❑ 2250 ❑ 4250 ❑ 2251 ❑ 4251 ❑ 2255 ❑ 4255 **WIDTH** _____ x **HEIGHT** _____

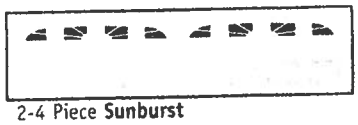
NOTES _____

TOTAL $ _____

Standard Window Design Trims

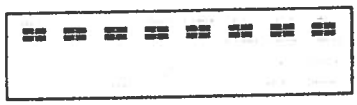
SHORT PANEL

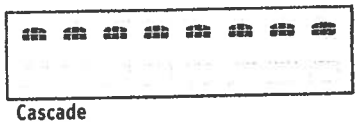

8 Piece **Sunburst**


2-4 Piece **Sunburst**

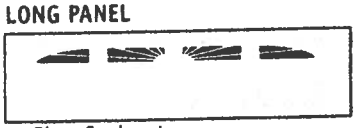

Cathedral


Sherwood

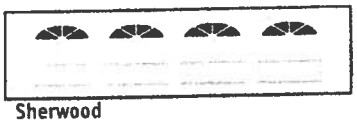

Stockton

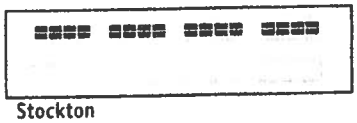

Cascade

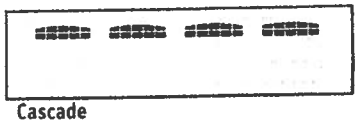
LONG PANEL

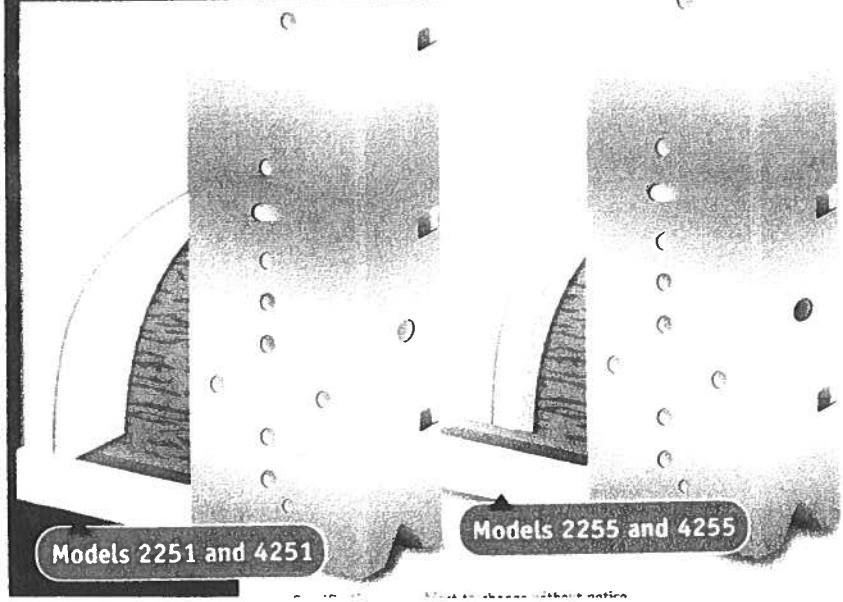

4 Piece **Sunburst**


2-2 Piece **Sunburst**


Sherwood


Stockton


Cascade



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

GULFSIDE SUPPLY, INC.

PRODUCT APPROVAL

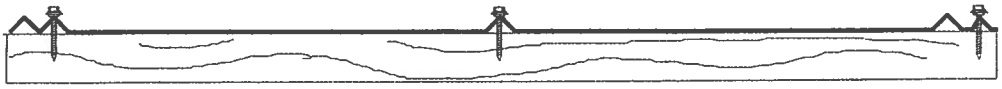
User: Public User - Not Associated with Organization -

Need Help ?

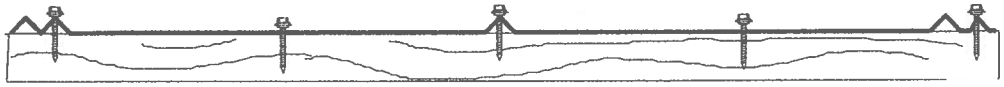
Application #:	FL272
Date Submitted:	09/25/2003
Product Manufacturer:	Southeastern Metals Mfg. Co.
Address/Phone/email:	11801 Industry Drive Jaccksonville, FL 32218
Technical Representative:	Jim Horton
Technical Representative Address/Phone/email:	11801 Industry Drive Jacksonville, FL 32218 (904) 757-4200 jwhorton@semetals.com
Quality Assurance Representative:	Jim Horton
Quality Assurance Representative Address/Phone/email:	11801 Industry Drive Jacksonville, FL 32218 jwhorton@semetals.com
Category:	Roofing
Subcategory:	Non-structural Metal Roofing
Evaluation Method:	Evaluation Report from a Product Evaluation Entity
Referenced Standards from the Florida Building Code:	**Section** **Standard** **Year**
Evaluation Entity:	Miami-Dade BCCO - EVL
Quality Assurance Entity:	Miami-Dade BCCO - QUA
Validation Entity:	Miami-Dade BCCO - VAL
Date Validated:	09/30/2003
Authorized Signature:	Jim Horton jwhorton@semetals.com

5V Crimp Panel

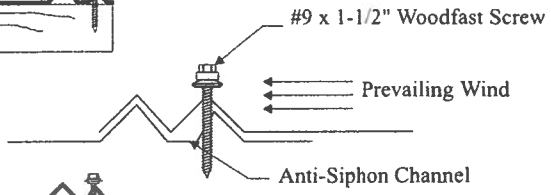
USING 5V



For all intermediate purlins or plywood

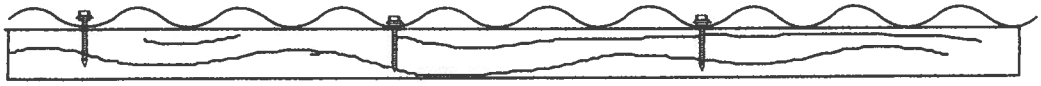


For eaves and valleys

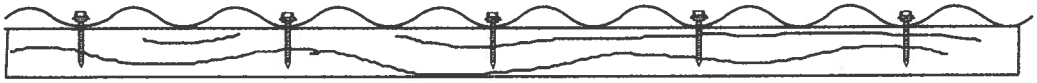


Minimum Pitch 3/12
Nominal Coverage 24" (+/- 1/8")

2 - 1/2" Corrugated Panel



For all intermediate purlins or plywood



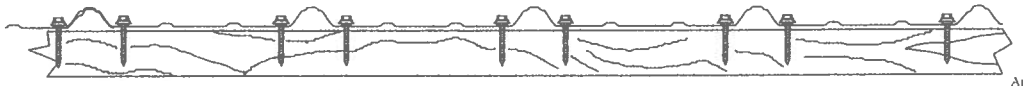
For eaves, ridges and valleys

21-1/2" Coverage
Sidelap Detail for Roofing

24" Coverage
Sidelap Detail for Siding

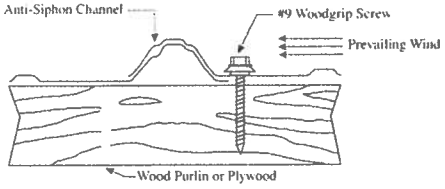
Minimum Pitch 3/12
Nominal Coverage 24" (+/- 1/8")

SM Rib Panel



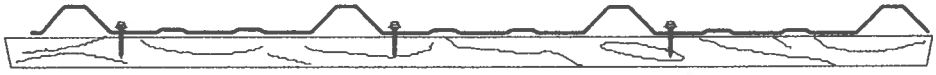
Fastening schedule for eaves, ridges and endlaps

For all intermediate purlins or plywood

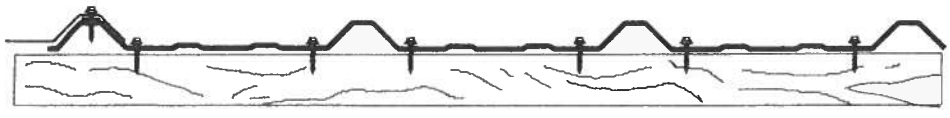


Minimum Pitch 3/12
Nominal Coverage 36" (+/- 1/8")

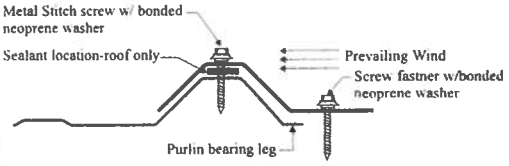
PBR Panel



Fastening schedule for all intermediate locations



Fastening schedule for eaves, valleys and endlaps



Minimum Pitch 1/12
Nominal Coverage 36" (+/- 1/8")

GIBRALTAR
CONSTRUCTION
PRODUCTS

Southeastern Metals Manufacturing Co., Inc.
Solar Group, Inc.
Appleton Supply Co., Inc.
USP Lumber Connectors
Weather Guard Building Products
DOT Metal Products

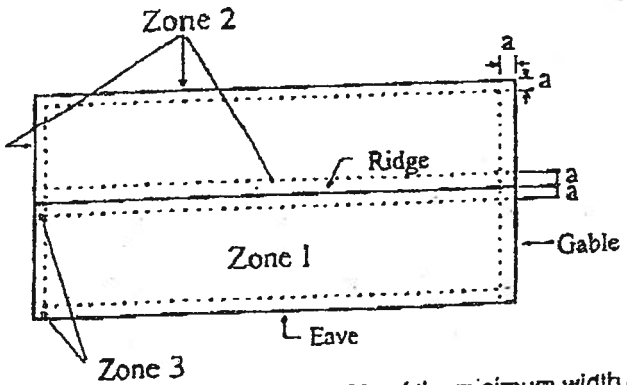
Southeastern Metals Manufacturing Co., Inc.
11801 Industry Drive • P.O. Box 26347
Jacksonville, Florida 32218
(904) 757-4200 • (800) 874-0335

Manufacturers Recommended Fastening Schedule

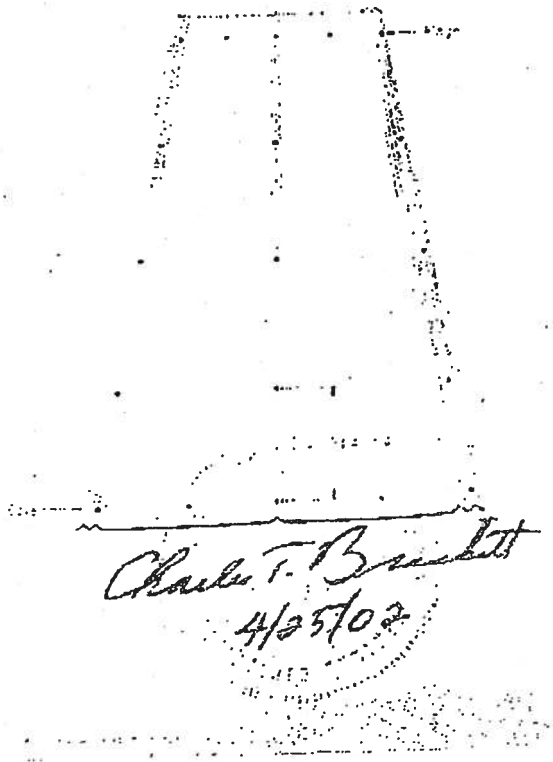
For buildings with < 35' mean roof height - 3/12 to 7/12 pitch
Based on ASCE 7-98 (exposure C)
5V - Metal Roofing Panel

ALTERNATE FASTENING SCHEDULE FOR VARIOUS WIND SPEEDS

ROOF ZONE	FASTENER TYPE	FASTENER SIZE	PLACEMENT TO	WIND SPEED REGION					
				100 - 110 MPH		120 - 130 MPH		140 - 150 MPH	
				O.C. SPACING	TRIM AREAS	O.C. SPACING	TRIM AREAS	O.C. SPACING	TRIM AREAS
ZONE 1	NAIL	10d x 1 3/4"	WOOD	24"	12"	24"	12"	12"	6"
	WOOD SCREW	#9 x 1 1/2"	WOOD	24"	12"	24"	12"	16"	8"
	METAL SCREW	#12 x 1" #14 x 7/8"	< 18 GA > 18 GA	24"	12"	24"	12"	16"	8"
ZONES 2 & 3	NAIL	10d x 1 3/4"	WOOD	12"	6"	10"	5"	8"	4"
	WOOD SCREW	#9 x 1 1/2"	WOOD	24"	12"	24"	12"	16"	8"
	METAL SCREW	#12 x 1" #14 x 7/8"	< 18 GA > 18 GA	24"	12"	24"	12"	16"	8"



Note: Dimension a is defined as 10% of the minimum width of the building or 40% of the mean height of the roof, whichever is smaller, however, a cannot be less than either 4% of the minimum width of the building or 3 feet.



GULFSIDE SUPPLY, INC.

Evaluation/Test Reports Uploaded:	PTID_272_T_01091911.pdf 5V.pdf
Installation Documents Uploaded:	
Product Approval Method:	Method 2 Option A
Application Status:	Approved

Page:
Go

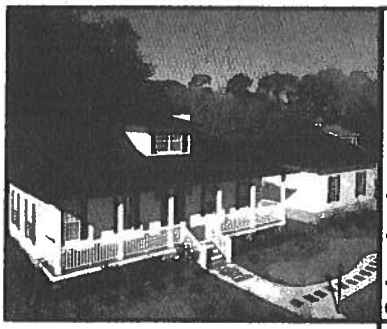
Page **1** / 1

App/Seq #	Product Model # or Name	Model Description
272.1	5V Crimp Metal Roofing Panel S	

Next

Metal Roofing

GIBRALTAR Building Products



		Galvanized	20 Yr Acrylic Coated Galvalume	25 Year SemCoat Modified Polyester over Galvanized Substrate: Barn Red	Forest Green	Marine Green	Hawaiian Blue	Cocoa Brown	Mocha Tan	Ivory	Light Stone	Burnished Slate	Old Town Gray	Charcoal Gray	Bone White	Reflective White	Pebble Clay	Burgundy	Dark Red	Black	30 Year SemCoat PLUS Hylar® or Kynar® Resin-Based Paint over Galvalume Substrate: Brick Red	Regal Blue	Patina Green	Copper Penny	Hartford Green	Slate Gray	Onyx Gray	Colonial White	Terra Cotta	Pacific Blue	Medium Bronze	Vintage Copper	Evergreen	Dove Gray	Antique White	Regal White	Slate Bronze	Chamois Tan
PANELS																																						
Sem-Lok	24 ga.		■																		■				■			■								■	
	26 ga.		■																		■	■	■	■	■	■	■	■								■	■
SM-Rib	26 ga.		■	■	■		■		■	■	■	■	■			■																					
	29 ga.	■	■	■	■		■	■	■	■	■		■	■	■		■	■	■	■																	
5V-Crimp & Corrugated	24 ga.		■																									■									
	26 ga.	■	■	■	■	■	■		■	■	■	■	■	■	■	■																					
	29 ga.	■	■																																		
	utility	■																																			
R Panel & PBR	26 ga.		■	■	■		■		■	■	■	■	■	■		■																					
	29 ga.	■	■	■	■		■	■	■	■	■		■	■	■	■																					
Verti-Lok & Rock-Lok	24 ga.		■																										■	■	■	■	■	■	■	■		
SHEETS																																						
48" x 120" gr.50	24 ga.																															■				■	■	
45 1/4" x 120" gr.50	24 ga.																													■	■		■	■	■			
42 1/16" x 120" gr.50	24/26 ga.		■																		■	■	■	■	■	■	■	■	■							■	■
27 1/2" CS Type B	24 ga.		■																									■									
	26 ga.	■	■	■	■	■	■		■	■	■	■	■	■	■	■																					
	29 ga.			■	■		■	■	■	■	■		■	■	■		■	■	■	■																	

Special Order Colors Available

More Attractive & Lasts Longer than Conventional Roofing

Cost Effective & Energy Efficient

Reduces Insurance Premiums

UL & Dade County Listings

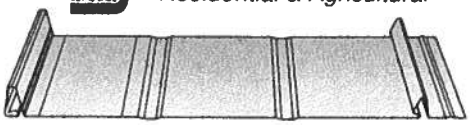
Fire Resistant

150 mph High Wind Rating

Installs over Existing Shingles or Solid Decking

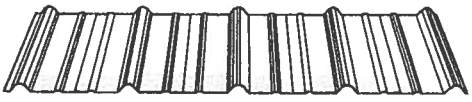
Full Line of Accessories & Trims

SemLok 16" Net Coverage
Residential & Agricultural

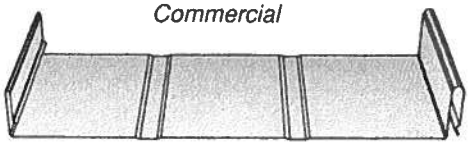


PBR & R panels 36" Net Coverage
Commercial

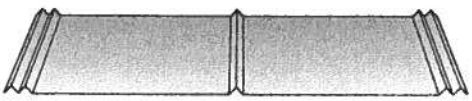
SM-Rib 36" Net Coverage
Residential & Agricultural



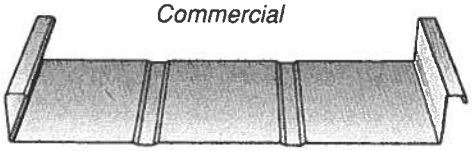
Verti-Lok 16" Net Coverage
Commercial



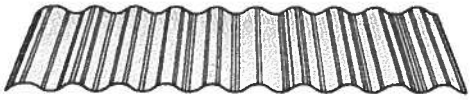
5V-Crimp 24" Net Coverage
Residential & Agricultural



Rock-Lok 16" Net Coverage
Commercial



2 1/2" Corrugated
24" Net Coverage - Walls
21 1/2" Net Coverage - Roofs
Residential & Agricultural



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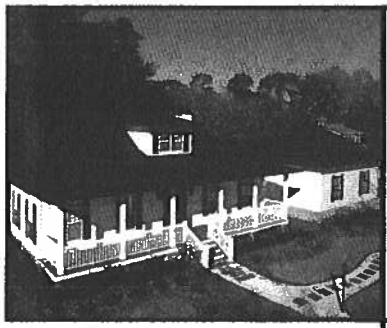
Metal Roofing

GIBRALTAR Building Products



		Galvanized	20 Yr Acrylic Coated Galvalume	25 Year SemCoat Modified Polyester over Galvanized Substrate: Barn Red	Forest Green	Marine Green	Hawaiian Blue	Cocoa Brown	Mocha Tan	Ivory	Light Stone	Burnished Slate	Old Town Gray	Charcoal Gray	Bone White	Reflective White	Pebble Clay	Burgundy	Dark Red	Black	30 Year SemCoat PLUS Hylar® or Kynar® Resin-Based Paint over Galvalume Substrate: Brick Red	Regal Blue	Patina Green	Copper Penny	Hartford Green	Slate Gray	Onyx Gray	Colonial White	Terra Cotta	Pacific Blue	Medium Bronze	Vintage Copper	Evergreen	Dove Gray	Antique White	Regal White	Slate Bronze	Chamois Tan
PANELS																																						
Sem-Lok	24 ga.		■																			■				■			■								■	
	26 ga.		■																			■	■	■	■	■	■	■	■								■	■
SM-Rib	26 ga.		■	■	■		■		■	■	■	■	■			■																					
	29 ga.	■	■	■	■		■	■	■	■	■		■	■	■		■	■	■	■																	
5V-Crimp & Corrugated	24 ga.		■																									■									
	26 ga.	■	■	■	■	■	■		■	■	■	■	■	■	■	■																					
	29 ga.	■	■																																		
	utility	■																																			
R Panel & PBR	26 ga.		■	■	■		■		■	■	■	■	■	■		■																					
	29 ga.	■	■	■	■		■	■	■	■	■		■	■	■	■																					
Verti-Lok & Rock-Lok	24 ga.		■																											■	■	■	■	■	■	■	■	
SHEETS																																						
48" x 120" gr.50	24 ga.																															■				■	■	
45 1/4" x 120" gr.50	24 ga.																													■	■		■	■	■			
42 1/16" x 120" gr.50	24/26 ga.		■																			■	■	■	■	■	■	■	■								■	■
27 1/2" CS Type B	24 ga.		■																									■									
	26 ga.	■	■	■	■	■	■		■	■	■	■	■	■	■	■																					
	29 ga.			■	■		■	■	■	■	■		■	■	■		■	■	■	■																	

Special Order Colors Available

More Attractive & Lasts Longer than Conventional Roofing

Cost Effective & Energy Efficient

Reduces Insurance Premiums

UL & Dade County Listings

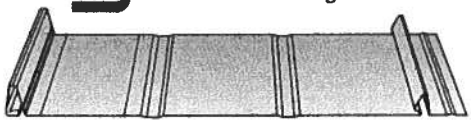
Fire Resistant

150 mph High Wind Rating

Installs over Existing Shingles or Solid Decking

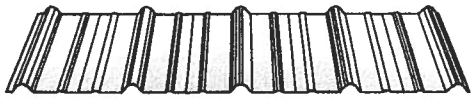
Full Line of Accessories & Trims

SemLok 16" Net Coverage
Residential & Agricultural

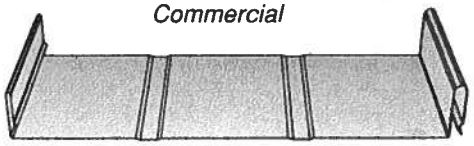


PBR & R panels 36" Net Coverage
Commercial

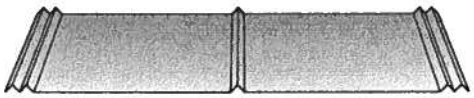
SM-Rib 36" Net Coverage
Residential & Agricultural



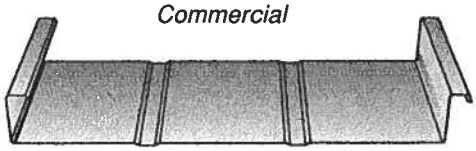
Verti-Lok 16" Net Coverage
Commercial



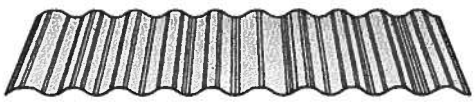
5V-Crimp 24" Net Coverage
Residential & Agricultural



Rock-Lok 16" Net Coverage
Commercial



2 1/2" Corrugated
24" Net Coverage - Walls
21 1/2" Net Coverage - Roofs
Residential & Agricultural



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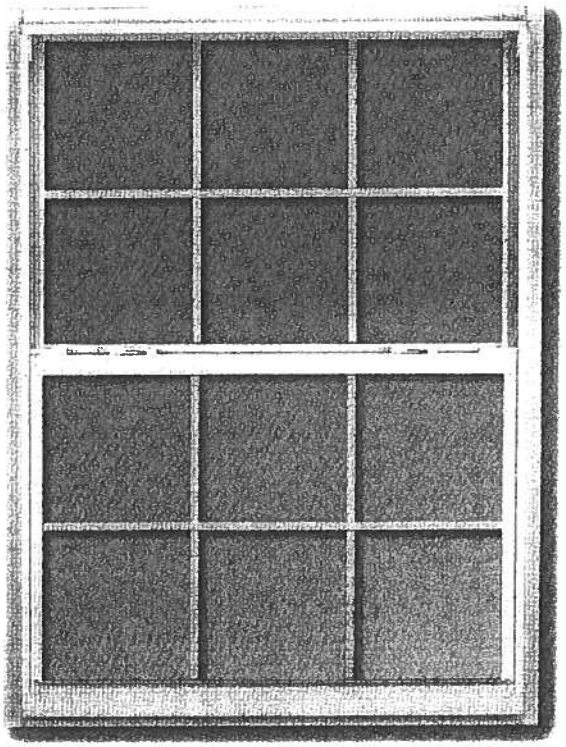
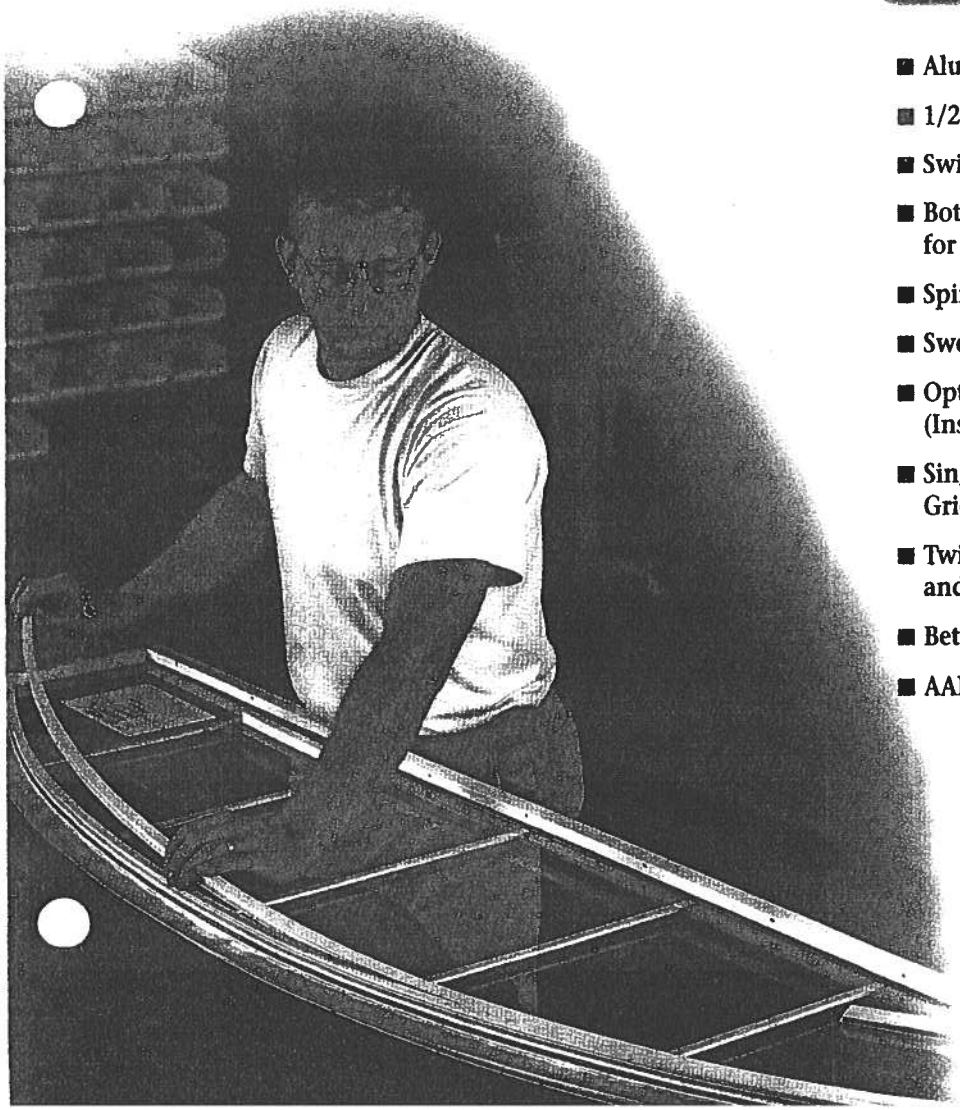
SERIES

740

Insulated Single Hung Aluminum Windows





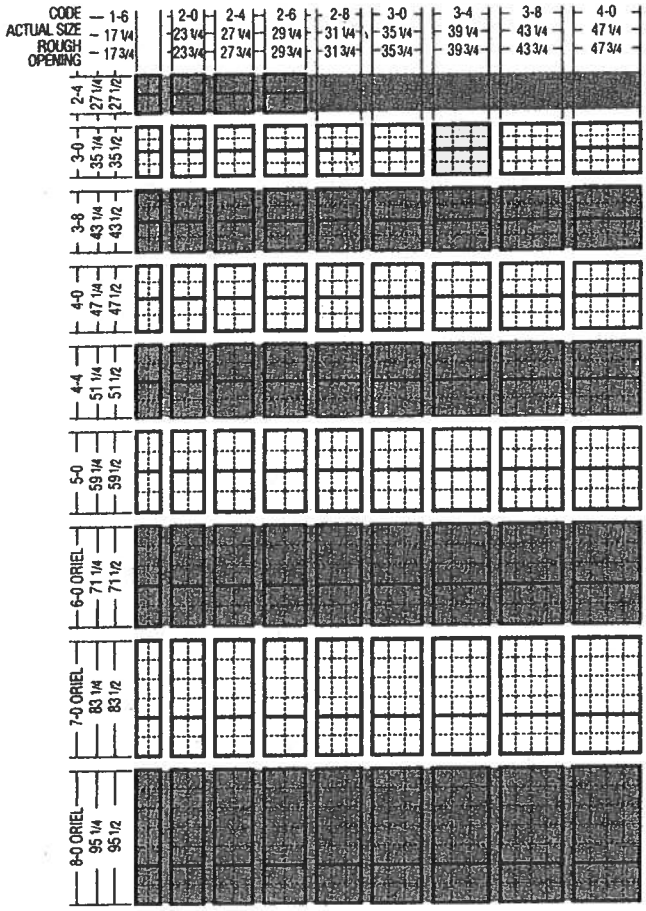
- Aluminum Single Hung Window
- 1/2" Insulated Glass
- Swiggle® Seal Glass Spacer System
- Bottom Sash Tilts, Top Sash Removable for Drywall Pass-Through
- Spiral Balances
- Sweep Lock System at Meeting Rail
- Optional Decorative Grids Between the Glass (Insulated Glass Units)
- Single Glazed Available 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

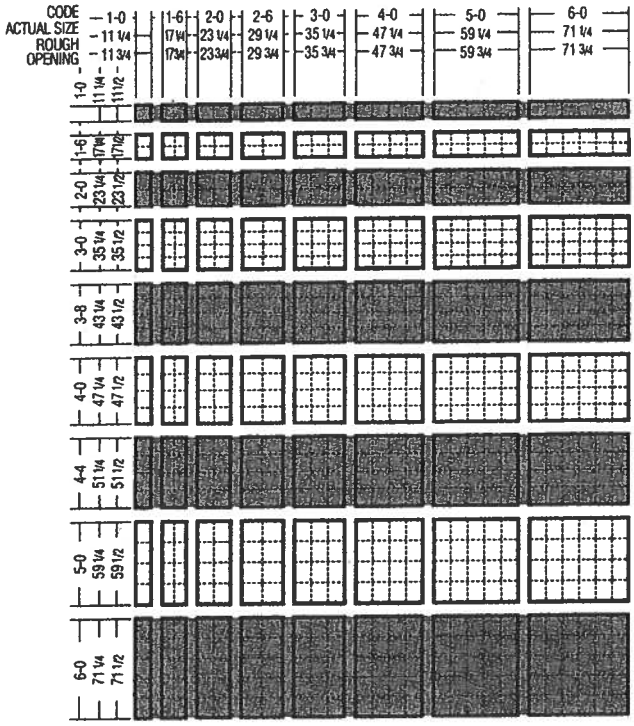
SERIES

740 Insulated Single Hung Aluminum Windows

SINGLE HUNG WINDOW SIZES

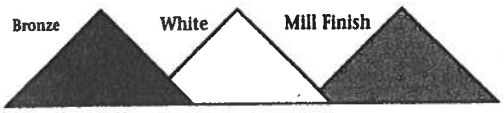


PICTURE WINDOW SIZES



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

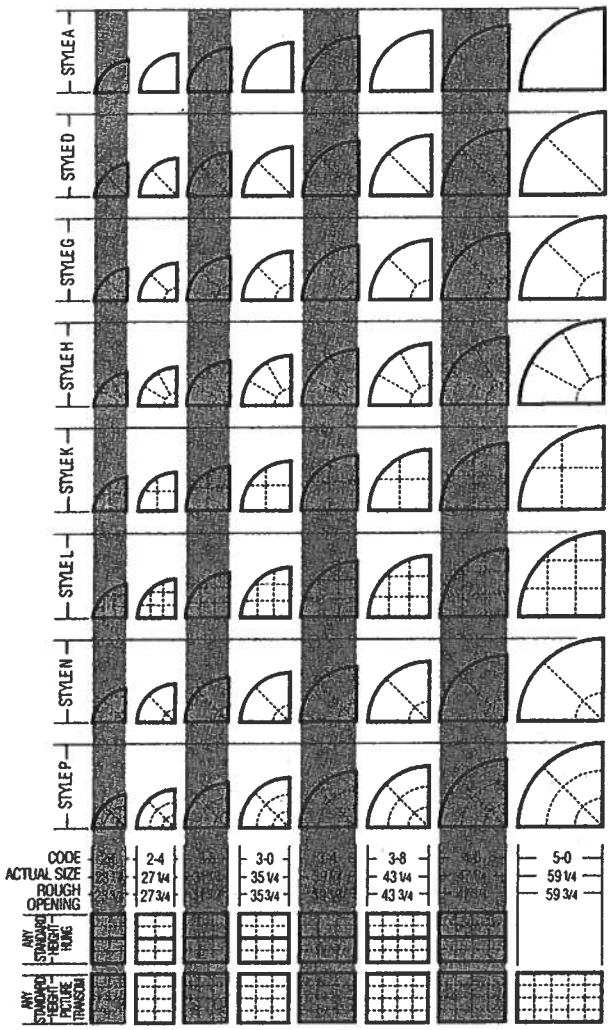
Validator: ALI®

CODE: BB-1

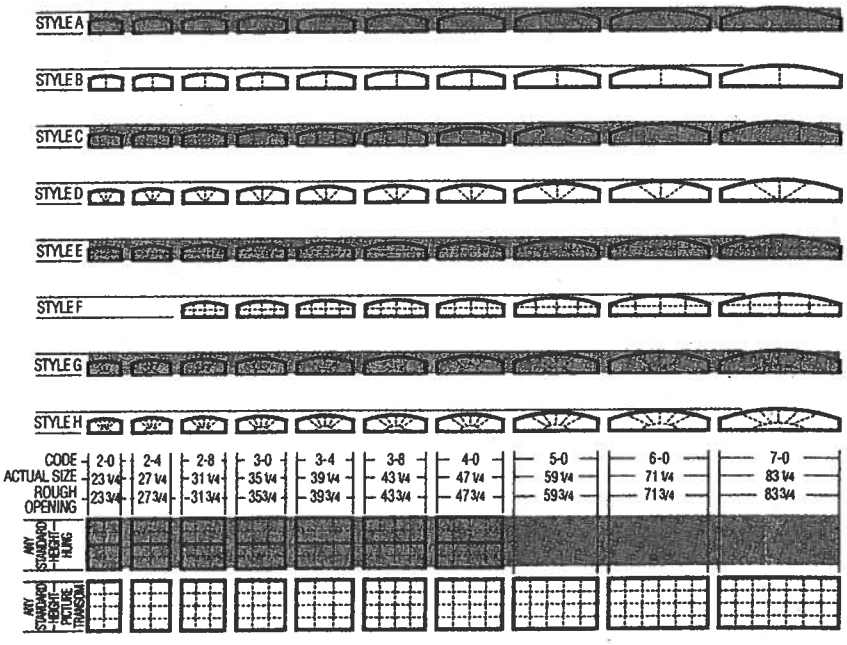
NFRC National Fenestration Rating Council CERTIFIED

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

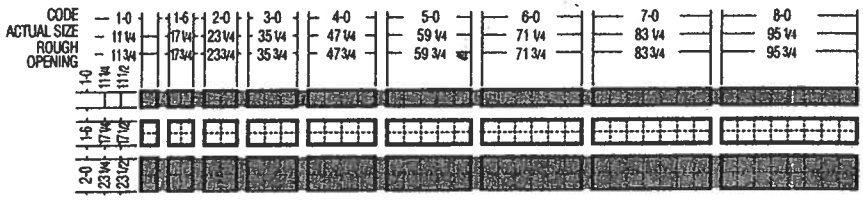
QUARTER CIRCLE WINDOW SIZES



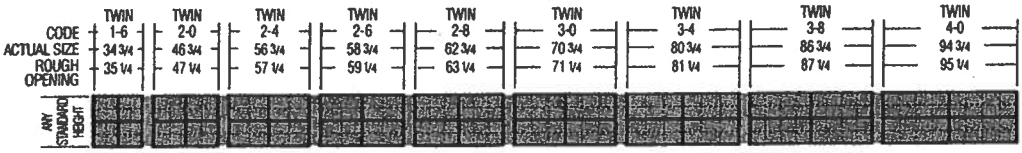
EYEBROW WINDOW SIZES



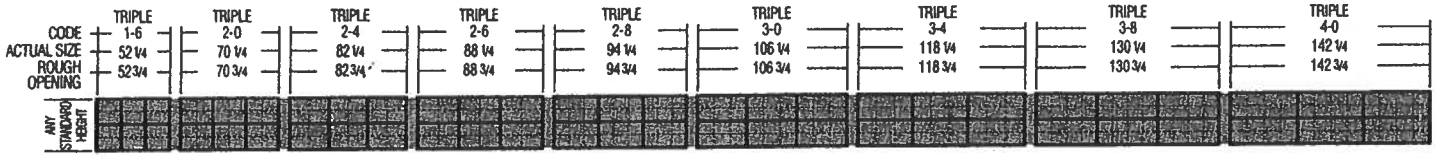
TRANSOM WINDOW SIZES



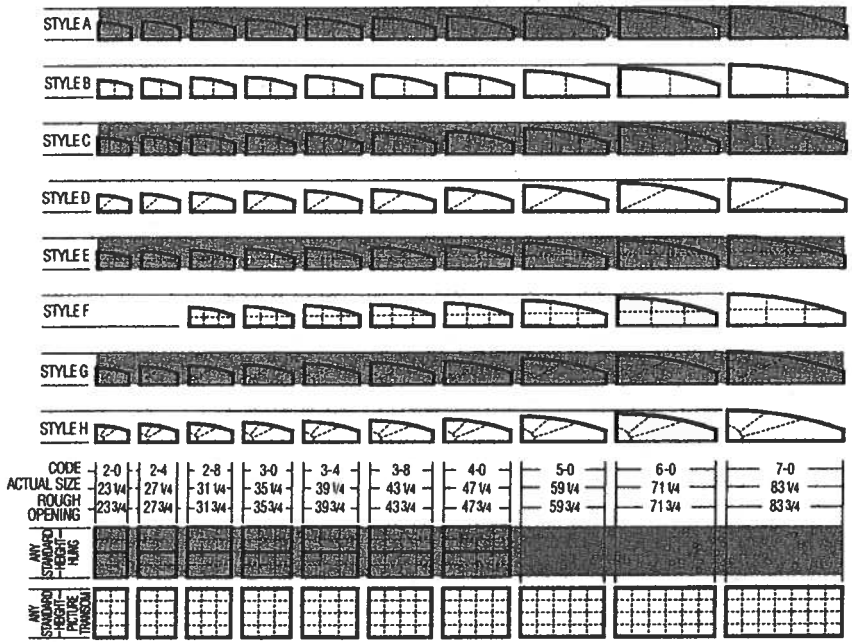
TWIN SINGLE HUNG UNIT SIZES



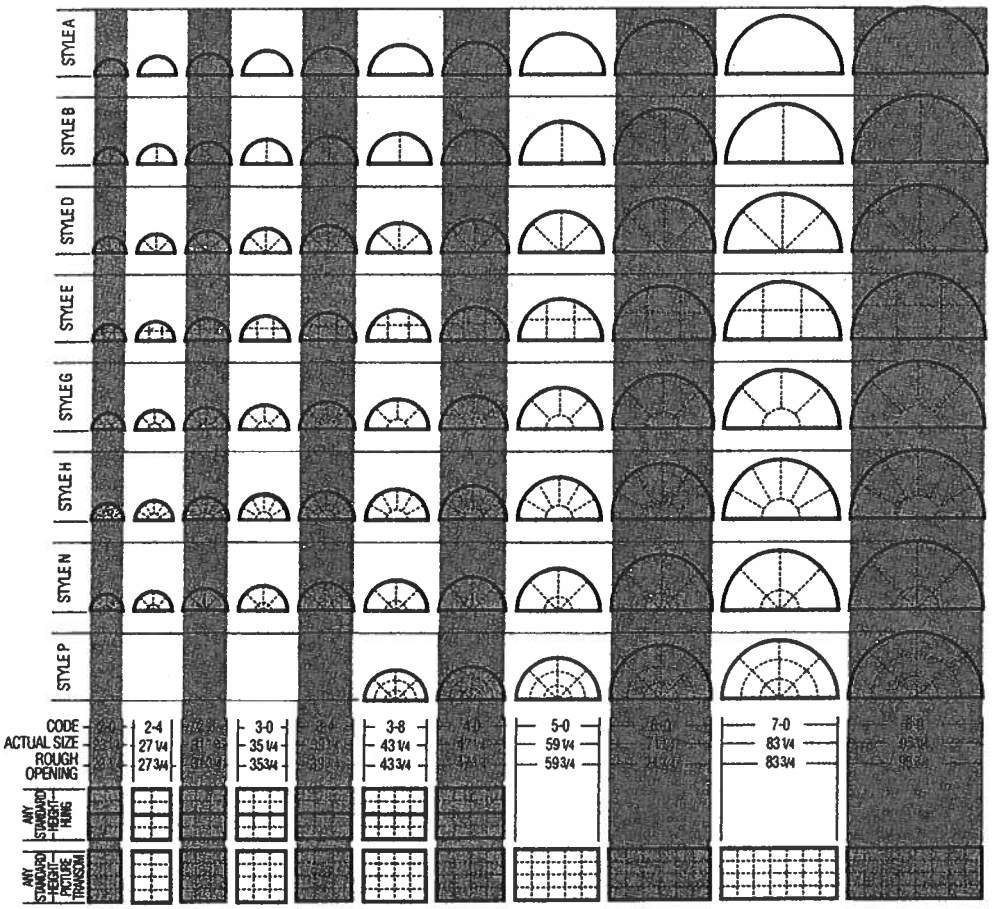
TRIPLE SINGLE HUNG UNIT SIZES



HALF EYEBROW WINDOW SIZES



CIRCLE TOP WINDOW SIZES



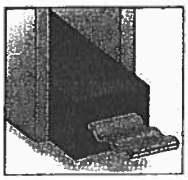
Swiggle® Seal Glass Spacer System

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:

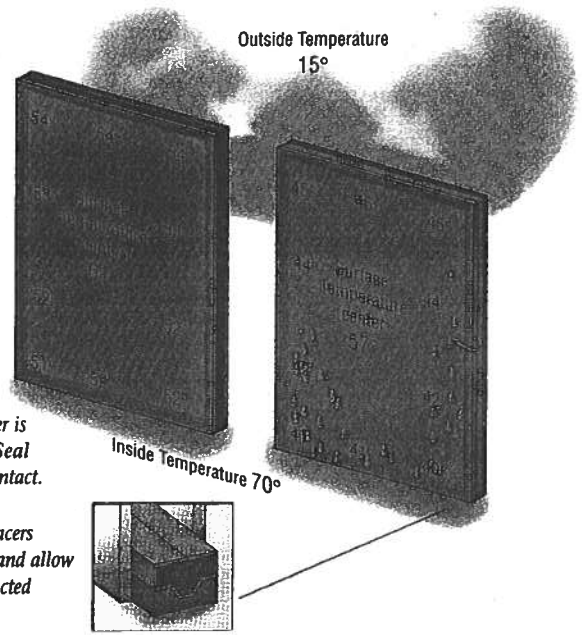
1 The advanced seal uses a specially formulated desiccant to actually absorb stray moisture and prevent damaging condensation.

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.

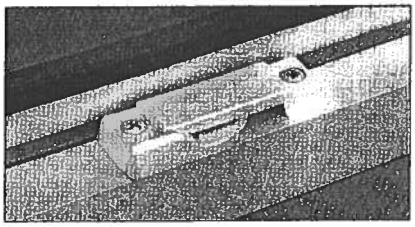


A corrugated aluminum spacer is encapsulated in the Swiggle Seal to eliminate glass to metal contact.



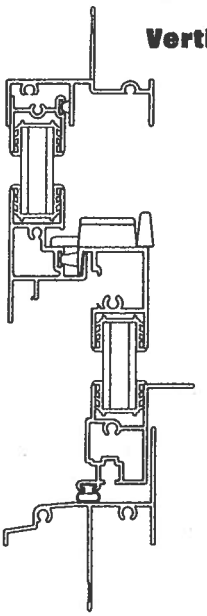
Traditional aluminum spacers directly contact the glass and allow heat and cold to be conducted through the window.

Bottom sash tilts for easy cleaning.

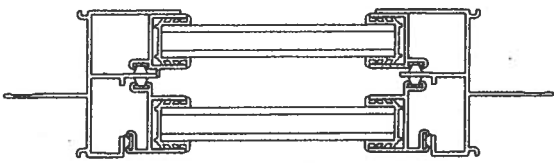


Two sweep locks at the meeting rail provide extra security.

Vertical Detail

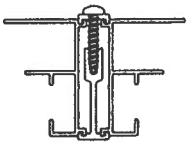


Horizontal Detail



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
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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:

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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

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

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:

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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.

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 non-expanding aerosol foam specifically formulated for windows and doors to eliminate drafts. The use of expanding 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

DUCT SYSTEM SUMMARY
ZONE ONE
LARRY RESMONDO A/C

Job: MILLIGAN RESIDENCE
8/2/06

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: JENNIFER AND DAVID MILLIGAN
431 S.W. HUDSON LANE, LAKE CITY, FL

	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
Friction Rate:	***0.100*** in/100ft	***0.100*** in/100ft
Actual AVF:	1600 cfm	1600 cfm

Total Effective Length (TEL): 150 ft

Supply Branch Detail Table

Name	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trnk
AREA ONE	5353	3764	267	267	0.100	489	10	0x 0	VlFx	st1
AREA ONE-A	5351	3762	267	267	0.100	489	10	0x 0	VlFx	st1A
AREA ONE-B	5351	3762	267	267	0.100	489	10	0x 0	VlFx	st1A
AREA ONE-C	5351	3762	267	267	0.100	489	10	0x 0	VlFx	st1B
AREA ONE-D	5351	3762	267	267	0.100	489	10	0x 0	VlFx	st1
AREA ONE-E	5351	3762	267	267	0.100	489	10	0x 0	VlFx	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Vel (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	1600	1600	665	21	0 x 0	RectFbg	
st1A	Peak AVF	800	800	652	15	0 x 0	RectFbg	st1
st1B	Peak AVF	267	267	489	10	0 x 0	RectFbg	st1A

Return Branch Detail Table

Name	Diffus Sz (in)	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trunk
rb1	0 x 0	32110	22576	1600	1600	0.100	555	23	0x 0	VlFx	

Bold/italic values have been manually overridden

DUCT SYSTEM SUMMARY
ZONE TWO

LARRY RESMONDO A/C

Job: MILLIGAN RESIDENCE
8/2/06

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: JENNIFER AND DAVID MILLIGAN
431 S.W. HUDSON LANE, LAKE CITY, FL

	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
Friction Rate:	***0.100*** in/100ft	***0.100*** in/100ft
Actual AVF:	1000 cfm	1000 cfm

Total Effective Length (TEL): 70 ft

Supply Branch Detail Table

Name	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trnk
MASTER SUITE	5442	2975	365	249	0.100	552	11	0x 0	VlFx	st1
MASTER SUITE-A	5442	2975	365	249	0.100	552	11	0x 0	VlFx	st1
LAUNDRY	1674	3979	112	333	0.100	610	10	0x 0	VlFx	st1
STORAGE	2369	2029	159	170	0.100	486	8	0x 0	VlFx	st1A

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Vel (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	1000	1000	634	17	0 x 0	RectFbg	
st1A	Peak AVF	159	170	311	10	0 x 0	RectFbg	st1

Return Branch Detail Table

Name	Diffus Sz (in)	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trunk
rb1	0 x 0	14927	11957	1000	1000	0.100	566	18	0x 0	VlFx	

Bold/italic values have been manually overridden

RIGHT-J BUILDING ANALYSIS REPORT
Entire House

LARRY RESMONDO A/C

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Job: MILLIGAN RESIDENCE
8/2/06

Project Information

For: JENNIFER AND DAVID MILLIGAN
431 S.W. HUDSON LANE, LAKE CITY, FL

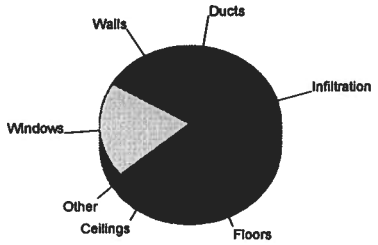
Design Information

	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	0

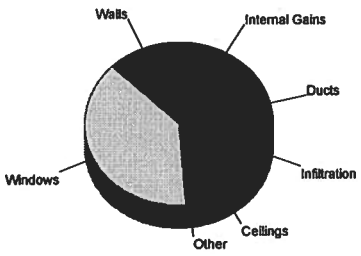
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.7	7738	16.5
Windows	26.6	9274	19.7
Doors	17.0	715	1.5
Ceilings	1.2	4238	9.0
Floors	27.1	8224	17.5
Infiltration	37.4	14608	31.1
Ducts		2240	4.8
Total		**47036**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	1.5	4345	12.6
Windows	38.2	13335	38.6
Doors	9.5	398	1.2
Ceilings	1.1	3779	10.9
Floors	0.0	0	0.0
Infiltration	9.8	3835	11.1
Ducts		3139	9.1
Internal gains		5700	16.5
Total		**34532**	**100.0**



Cooling at 81 % SHR = 3.4 ton
Cooling at 70 % SHR = 4.0 ton

Cooling air flow = 334 cfm/ton
Cooling at 400 cfm/ton = 2.9 ton

Overall U-Value = 0.119 Btuh/ft²-°F

Data entries checked.

RIGHT-J BUILDING ANALYSIS REPORT
ZONE ONE

LARRY RESMONDO A/C

Job: MILLIGAN RESIDENCE
8/2/06

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: JENNIFER AND DAVID MILLIGAN
431 S.W. HUDSON LANE, LAKE CITY, FL

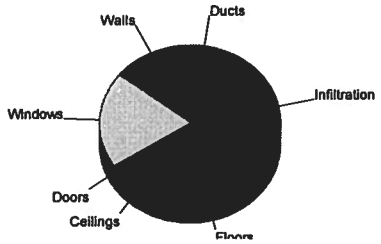
Design Information

	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	0

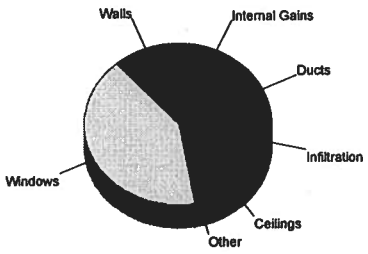
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.7	4636	14.4
Windows	25.8	6383	19.9
Doors	17.0	715	2.2
Ceilings	1.2	2654	8.3
Floors	30.0	5395	16.8
Infiltration	37.4	10797	33.6
Ducts		1529	4.8
Total		**32109**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	1.5	2608	11.6
Windows	37.7	9314	41.3
Doors	9.5	398	1.8
Ceilings	1.1	2367	10.5
Floors	0.0	0	0.0
Infiltration	9.8	2835	12.6
Ducts		2052	9.1
Internal gains		3000	13.3
Total		**22575**	**100.0**



Cooling at 80 % SHR = 2.3 ton
Cooling at 70 % SHR = 2.6 ton
Cooling air flow = 694 cfm/ton
Cooling at 400 cfm/ton = 4.0 ton
Overall U-Value = 0.125 Btuh/ft²-°F

Data entries checked.

RIGHT-J BUILDING ANALYSIS REPORT
ZONE TWO

LARRY RESMONDO A/C

Job: MILLIGAN RESIDENCE
8/2/06

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: JENNIFER AND DAVID MILLIGAN
431 S.W. HUDSON LANE, LAKE CITY, FL

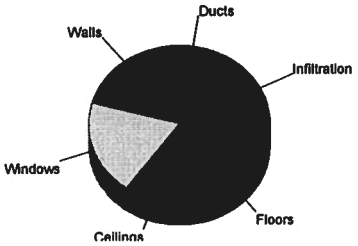
Design Information

	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	0

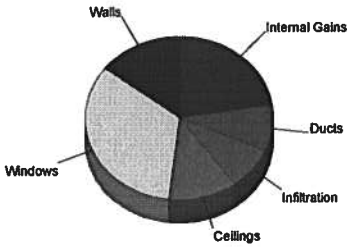
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.8	3102	20.8
Windows	28.3	2890	19.4
Doors	0.0	0	0.0
Ceilings	1.2	1584	10.6
Floors	23.0	2829	19.0
Infiltration	37.4	3811	25.5
Ducts		711	4.8
Total		**14927**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	1.6	1736	14.5
Windows	39.4	4021	33.6
Doors	0.0	0	0.0
Ceilings	1.1	1412	11.8
Floors	0.0	0	0.0
Infiltration	9.8	1001	8.4
Ducts		1087	9.1
Internal gains		2700	22.6
Total		**11958**	**100.0**



Cooling at 85 % SHR = 1.1 ton
Cooling at 70 % SHR = 1.4 ton
Cooling air flow = 876 cfm/ton
Cooling at 400 cfm/ton = 2.5 ton
Overall U-Value = 0.109 Btuh/ft²-°F

WARNING: window to floor area ratio = 7.9% - less than 10%.

RIGHT-J LOAD AND EQUIPMENT SUMMARY
Entire House
LARRY RESMONDO A/C

Job: MILLIGAN RESIDENCE
8/2/06

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: JENNIFER AND DAVID MILLIGAN
431 S.W. HUDSON LANE, LAKE CITY, FL

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

Building heat loss	47036	Btuh
Ventilation air	0	cfm
Ventilation air loss	0	Btuh
Design heat load	47036	Btuh

Sensible Cooling Equipment Load Sizing

Structure	34532	Btuh
Ventilation	0	Btuh
Design temperature swing	3.0	°F
Use mfg. data	n	
Rate/swing multiplier	0.97	
Total sens. equip. load	33496	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	3471	3471
Volume (ft³)	30703	30703
Air changes/hour	0.7	0.4
Equiv. AVF (cfm)	359	205

Latent Cooling Equipment Load Sizing

Internal gains	690	Btuh
Ventilation	0	Btuh
Infiltration	7190	Btuh
Total latent equip. load	7880	Btuh
Total equipment load	41376	Btuh

Heating Equipment Summary

Make n/a
Trade n/a
n/a

Efficiency	n/a	
Heating input	0	Btuh
Heating output	0	Btuh
Heating temp rise	0	°F
Actual heating fan	0	cfm
Heating air flow factor	0.000	cfm/Btuh
Space thermostat		n/a

Cooling Equipment Summary

Make n/a
Trade n/a
n/a
n/a

Efficiency	n/a	
Sensible cooling	0	Btuh
Latent cooling	0	Btuh
Total cooling	0	Btuh
Actual cooling fan	0	cfm
Cooling air flow factor	0.000	cfm/Btuh
Load sensible heat ratio	0	%

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.

GEO-TECH, INC.

Engineering Consultants in Geotechnical • Environmental • Construction Materials Testing

25161

FIELD DENSITY WORKSHEET

CLIENT RYE CONST. DATE 27 NOV 06

PROJECT NO.

PROJECT NAME MILLIGAN RES. LAKE CITY PERMIT NO. 0000025161

~~EARTH CONTRACTOR~~ 431 SW HUDSON LANE TESTED BY JWL

☐ Standard Proctor

COMPACTION REQUIREMENT (%) 95% ☑ 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.
CTR. of W. SIDE	110.4	10.1	FG	12"	5.4	114.8	109.0	98.7
CTR. of E. SIDE	〃	〃	〃	〃	4.8	114.8	109.5	99.2
CTR. of PAD	〃	〃	〃	〃	5.6	112.8	106.9	96.8

REMARKS

* Density failed to meet minimum project requirement

** Retest indicates minimum density requirement was obtained.

( ) Client is aware of unsatisfactory test results.

4000 SW 35TH TERRACE, SUITE C • GAINESVILLE, FLORIDA 32608 • 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.

25161

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. JB109476 Company Phone No. 386-755-3911
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Ryan Const Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 431 S.W Hudson Terr Lake City FL

Type of Construction (More than one box may be checked) ☑ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 12 Inside 24 Type of Fill Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 11-27-06
Brand Name of Product(s) Used Dursban T.C
EPA Registration No. 53883-92
Approximate Final Mix Solution % 0.25 %
Approximate Size of Treatment Area: Sq. ft. 5156 Linear ft. 492 Linear ft. of Masonry Voids 492
Approximate Total Gallons of Solution Applied 1103
Was treatment completed on exterior? ☐ Yes ☑ No
Service Agreement Available? ☑ Yes ☐ No Upon Completion

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

Attachments (List)
Comments Treated Dwelling only

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 11-27-06

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

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 18-4S-17-08479-112 **Building permit No.** 000025161

Use Classification SFD,UTILITY **Fire:** 33.48

Permit Holder RYE CONSTRUCTION **Waste:** 100.50

Owner of Building DAVID & JENNIFER MILLIGAN **Total:** 133.98

Location: 431 SW HUDSON LANE, LAKE CITY, FL

Date: 04/24/2007

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

STOCK Building Supply
a WOLSELEY company

18840

Job No: **B12493**

Bid No: **B12493**

ENGINEERING COVER SHEET

Project: **Milligan Residence**
Sold To: **Rye Construction**
Lot/Block/Sub: **, ,**

Model **Milligan Residence**
Ship To: **431 SW Hudson Lane**
City/County: **Lake City , Columbia Co**

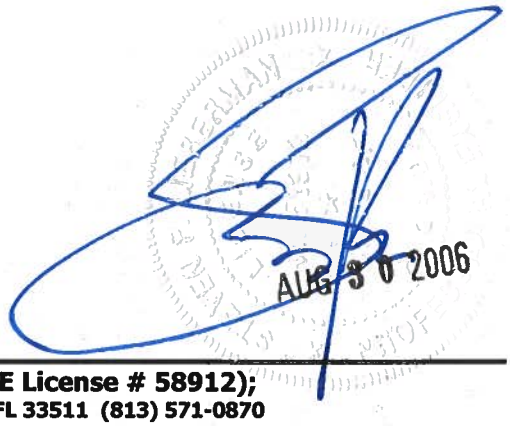
Design Code	Design Software	Wind Speed
FBC2004/TPI2002	**Mitek 20/20 6.300**	**120 mph**

Design Method:	Roof Load	Floor Load
MWFRS/C-C Hybrid Wind ASCE 7-02	**37 psf**	

Engineer or Professional of Record: Gregory S. Wayland of 8200 SW 16th Pl, Gainesville, FL PE # 54396

This package includes **22** individual, dated Truss Design Drawing(s). Page 1 of 1.

ID	Seq No	Date	ID	Seq No	Date	ID	Seq No	Date	ID	Seq No	Date
a01	101439130	8/18/2006	**a07**	101439136	8/18/2006	**b03**	101439142	8/18/2006	**d03**	101439148	8/18/2006
a02	101439131	8/18/2006	**a08**	101439137	8/18/2006	**b04**	101439143	8/18/2006	**d04**	101439149	8/18/2006
a03	101439132	8/18/2006	**a09**	101439138	8/18/2006	**c01**	101439144	8/18/2006	**d05**	101439150	8/18/2006
a04	101439133	8/18/2006	**a10**	101439139	8/18/2006	**c02**	101439145	8/18/2006	**pb1**	101439157	8/18/2006
a05	101439134	8/18/2006	**b01**	101439140	8/18/2006	**d01**	101439146	8/18/2006			
a06	101439135	8/18/2006	**b02**	101439141	8/18/2006	**d02**	101439147	8/18/2006			



Steven P. Lieberman, P.E. (Truss Design Engineer; FL PE License # 58912);
Stock Building Supply.; 220 W. Brandon Blvd.; Suite #204; Brandon, FL 33511 (813) 571-0870

The truss drawing(s) referenced above have been prepared under my direct supervision based on the parameters provided by Stock Building Supply. 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.

UNLESS NOTED ABOVE, THERE IS NO STRUCTURAL ENGINEER OF RECORD AT THE TIME THESE DRAWINGS WERE SEALED

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of the component for any particular building is the responsibility of the building designer, per ANSI/TPI-2002 Sec.2.

08/30/2006

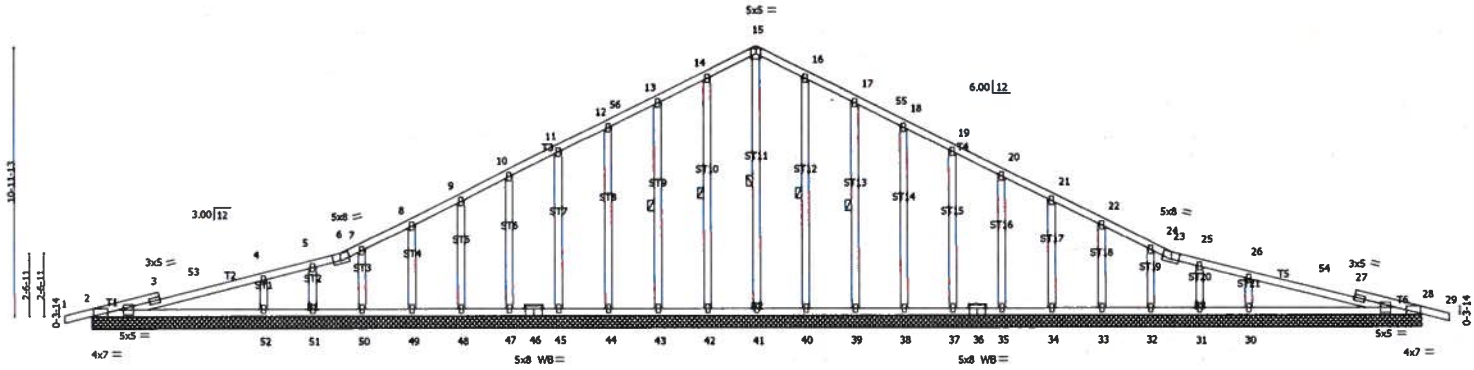
Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	A01	DROP TC GABLE	1	1	Job Reference (optional)

Stock Building Supply, Groveland, FL 34736 — 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 07:40:14 2006 Page 1

-1-1-12 | 10-1-12 | 27-0-0 | 43-10-4 | 54-0-0 | 55-1-12

1-1-12 | 10-1-12 | 16-10-4 | 16-10-4 | 10-1-12 | 1-1-12

Scale = 1:90.1



54-0-0

54-0-0

Plate Offsets (X,Y): [2:0-2-4,0-2-8], [2:0-5-7,Edge], [28:0-2-4,0-2-8], [28:0-5-7,Edge]

LOADING(psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	0.03	29	n/r	90	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	0.06	29	n/r	90		
BCLL	0.0	Rep Stress Incr	NO	WB	0.13	Horz(TL)	0.03	28	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 342 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3
1 - Ply

BRACING
TOP CHORD Structural wood sheathing directly applied or 10-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 15-41, 14-42, 13-43, 16-40, 17-39

REACTIONS(lb/size) 2=257/54-0-0, 28=257/54-0-0, 41=244/54-0-0, 42=157/54-0-0, 43=145/54-0-0, 44=148/54-0-0, 45=148/54-0-0, 47=147/54-0-0, 48=151/54-0-0, 49=137/54-0-0, 50=187/54-0-0, 51=-98/54-0-0, 52=558/54-0-0, 40=157/54-0-0, 39=145/54-0-0, 38=148/54-0-0, 37=148/54-0-0, 35=147/54-0-0, 34=151/54-0-0, 33=137/54-0-0, 32=187/54-0-0, 31=-98/54-0-0, 30=558/54-0-0
Max Horz 2=-89(load case 4)
Max Uplift2=-179(load case 4), 28=-172(load case 5), 42=-41(load case 6), 43=-66(load case 7), 44=-58(load case 6), 45=-59(load case 6), 47=-59(load case 7), 48=-60(load case 6), 49=-58(load case 7), 50=-84(load case 6), 51=-98(load case 1), 52=-284(load case 4), 40=-41(load case 6), 39=-66(load case 7), 38=-58(load case 6), 37=-59(load case 7), 35=-59(load case 6), 34=-60(load case 7), 33=-59(load case 6), 32=-88(load case 7), 31=-98(load case 1), 30=-281(load case 5)
Max Grav 2=264(load case 10), 28=264(load case 11), 41=244(load case 1), 42=158(load case 10), 43=146(load case 10), 44=148(load case 1), 45=148(load case 10), 47=147(load case 1), 48=151(load case 10), 49=137(load case 1), 50=194(load case 10), 51=34(load case 6), 52=561(load case 10), 40=158(load case 11), 39=146(load case 11), 38=148(load case 1), 37=148(load case 11), 35=147(load case 1), 34=151(load case 11), 33=137(load case 1), 32=194(load case 11), 31=35(load case 5), 30=561(load case 11)

FORCES(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/14, 2-3=-299/109, 3-53=-290/113, 4-53=-288/163, 4-5=-177/96, 5-6=-193/123, 24-25=-193/123, 25-26=-177/96, 26-54=-288/163, 27-54=-290/113, 27-28=-299/109, 28-29=0/14, 15-16=0/424, 16-17=0/332, 17-55=0/220, 18-55=0/213, 18-19=0/147, 19-20=0/147, 20-21=-21/146, 21-22=-66/147, 22-23=-132/145, 23-24=-199/152, 6-7=-199/152, 7-8=-135/145, 8-9=-97/147, 9-10=-59/146, 10-11=-22/147, 11-12=0/147, 12-56=0/213, 13-56=0/220, 13-14=0/332, 14-15=0/424
BOT CHORD 2-52=-109/365, 51-52=-109/365, 50-51=-109/365, 49-50=-109/365, 48-49=-109/365, 47-48=-109/365, 46-47=-109/365, 45-46=-109/365, 44-45=-109/365, 43-44=-109/365, 42-43=-109/365, 41-42=-109/365, 40-41=-109/365, 39-40=-109/365, 38-39=-109/365, 37-38=-109/365, 36-37=-109/365, 35-36=-109/365, 34-35=-109/365, 33-34=-109/365, 32-33=-109/365, 31-32=-109/365, 30-31=-109/365, 28-30=-109/365
WEBS 15-41=-204/0, 14-42=-118/189, 13-43=-106/233, 12-44=-108/154, 11-45=-108/131, 10-47=-108/135, 9-48=-109/136, 8-49=-103/131, 7-50=-132/144, 5-51=-83/56, 4-52=-387/433, 16-40=-118/189, 17-39=-106/233, 18-38=-108/154, 19-37=-108/131, 20-35=-108/135, 21-34=-109/136, 22-33=-103/131, 23-32=-132/144, 25-31=-83/56, 26-30=-387/433

NOTES (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Corner(3) -1-1-12 to 4-3-1, Exterior(2) 4-3-1 to 21-7-3, Corner(3) 21-7-3 to 27-0-0, Exterior(2) 32-4-13 to 43-10-4, Corner(3) 49-8-15 to 55-1-12 zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) All plates are 2x4 MT20 unless otherwise indicated.
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 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 179 lb uplift at joint 2, 172 lb uplift at joint 28, 41 lb uplift at joint 42, 66 lb uplift at joint 43, 58 lb uplift at joint 44, 59 lb uplift at joint 45, 59 lb uplift at joint 47, 60 lb uplift at joint 48, 58 lb uplift at joint 49, 84 lb uplift at joint 50, 98 lb uplift at joint 51, 284 lb uplift at joint 52, 41 lb uplift at joint 40, 66 lb uplift at joint 39, 58 lb uplift at joint 38, 59 lb uplift at joint 37, 59 lb uplift at joint 35, 60 lb uplift at joint 34, 59 lb uplift at joint 33, 88 lb uplift at joint 32, 98 lb uplift at joint 31 and 281 lb uplift at joint 30.
10) Seqn: 101439130, Date:8/18/2006

LOAD CASE(S) Standard

08/30/2006

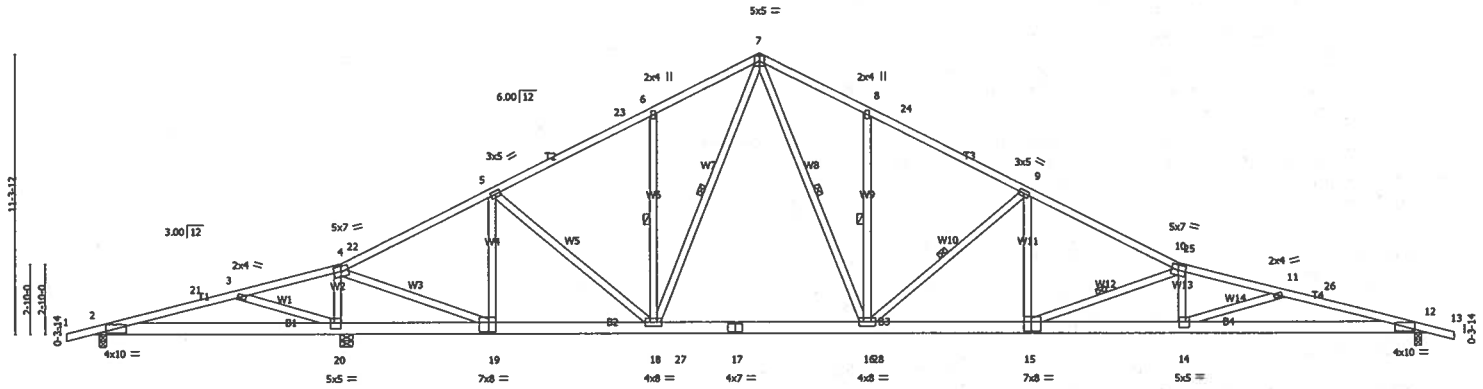
Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	A02	ROOF TRUSS	8	1	Job Reference (optional)

Stock Building Supply, Groveland, FL 34736 — 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 07:40:16 2006 Page 1

-1-1-12	6-0-0	10-0-8	16-1-12	22-8-0	27-0-0	31-4-0	37-10-4	43-11-8	48-0-0	54-0-0	55-1-12
1-1-12	6-0-0	4-0-8	6-1-4	6-6-4	4-4-0	4-4-0	6-6-4	6-1-4	4-0-8	6-0-0	1-1-12

Scale = 1:90.1



0-2-4	10-0-0	10-0-8	16-1-12	22-8-0	31-4-0	37-10-4	43-11-8	53-9-12	54-0-0
0-2-4	9-9-12	0-0-8	6-1-4	6-6-4	8-8-0	6-6-4	6-1-4	9-10-4	0-2-4

Plate Offsets (X,Y): [14:0-1-12,0-2-12], [15:0-3-8,0-4-8], [19:0-3-8,0-4-8], [20:0-1-12,0-2-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.35 14-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.79	Vert(TL)	-0.87 14-15	>609	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.91	Horz(TL)	0.11 12	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.42 14-15	>999	240	Weight: 353 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D *Except*
B3 2 X 6 SYP No.2, B2 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3
1 - Ply

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-18, 7-18, 7-16, 8-16, 9-16, 10-15

REACTIONS (lb/size) 20=2704/0-6-0, 2=-36/0-3-8, 12=1686/0-3-8
Max Horz 2=-82(load case 4)
Max Uplift20=-621(load case 6), 2=-221(load case 4), 12=-561(load case 7)
Max Grav 20=2704(load case 1), 2=110(load case 10), 12=1686(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-21=-309/1281, 3-21=-301/1316, 3-4=-595/1793, 4-22=-1251/365, 5-22=-1119/386, 5-23=-1835/569, 6-23=-1693/581, 6-7=-1812/741, 7-8=-2348/906, 8-24=-2233/747, 9-24=-2374/735, 9-25=-3369/1057, 10-25=-3434/1036, 10-11=-5224/1555, 11-26=-5621/1829, 12-26=-5674/1824, 12-13=0/18
BOT CHORD 2-20=-1244/372, 19-20=-1576/658, 18-19=-117/1057, 18-27=-120/1491, 17-27=-120/1491, 17-28=-120/1491, 16-28=-120/1491, 15-16=-719/3014, 14-15=-1374/5035, 12-14=-1690/5470
WEBS 3-20=-497/457, 4-20=-2288/799, 4-19=-835/2837, 5-19=-1043/345, 5-18=-41/668, 6-18=-308/321, 7-18=-78/406, 7-16=-479/1513, 8-16=-301/319, 9-16=-1263/552, 9-15=-259/921, 10-15=-2177/706, 10-14=-41/385, 11-14=-444/452

NOTES (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) -1-1-12 to 4-3-1, Interior(1) 4-3-1 to 21-7-3, Exterior(2) 21-7-3 to 27-0-0, Interior(1) 32-4-13 to 43-11-8, Exterior(2) 49-8-15 to 55-1-12 zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 621 lb uplift at joint 20, 221 lb uplift at joint 2 and 561 lb uplift at joint 12.
6) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
8) Seqn: 101439131, Date:8/18/2006

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 7-10=-54, 10-13=-54, 2-27=-20, 27-28=-50(F=-30), 12-28=-20
2) UBC: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-14, 7-10=-14, 10-13=-14, 2-27=-40, 27-28=-70(F=-30), 12-28=-40
3) C-C Wind: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-2=88, 2-21=52, 4-21=35, 4-23=35, 7-23=52, 7-24=52, 10-24=35, 10-26=35, 12-26=52, 12-13=88, 2-27=-10, 27-28=-40(F=-30), 12-28=-10
Horz: 1-2=-97, 2-21=-61, 4-21=-43, 4-23=-43, 7-23=-61, 7-24=61, 10-24=43, 10-26=43, 12-26=61, 12-13=97

08/30/2006

Continued on page 2

Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

LOAD CASE(S) Standard

4) MWFRS Wind Left: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
      Vert: 1-2=68, 2-4=46, 4-7=8, 7-10=25, 10-12=27, 12-13=19, 2-27=-10, 27-28=-40(F=-30), 12-28=-10
      Horz: 1-2=-77, 2-4=-55, 4-7=-16, 7-10=34, 10-12=35, 12-13=27
5) MWFRS Wind Right: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
      Vert: 1-2=19, 2-4=27, 4-7=25, 7-10=8, 10-12=46, 12-13=68, 2-27=-10, 27-28=-40(F=-30), 12-28=-10
      Horz: 1-2=-27, 2-4=-35, 4-7=-34, 7-10=16, 10-12=55, 12-13=77
6) MWFRS 1st Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
      Vert: 1-2=68, 2-4=46, 4-22=46, 7-22=30, 7-10=30, 10-12=30, 12-13=22, 2-27=-10, 27-28=-40(F=-30), 12-28=-10
      Horz: 1-2=-77, 2-4=-55, 4-22=-55, 7-22=-38, 7-10=38, 10-12=38, 12-13=30
7) MWFRS 2nd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
      Vert: 1-2=22, 2-4=30, 4-7=30, 7-25=30, 10-25=46, 10-12=46, 12-13=68, 2-27=-10, 27-28=-40(F=-30), 12-28=-10
      Horz: 1-2=-30, 2-4=-38, 4-7=-38, 7-25=38, 10-25=55, 10-12=55, 12-13=77
8) MWFRS 3rd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
      Vert: 1-2=45, 2-4=23, 4-22=23, 7-22=16, 7-10=16, 10-12=16, 12-13=8, 2-27=-10, 27-28=-40(F=-30), 12-28=-10
      Horz: 1-2=-53, 2-4=-31, 4-22=-31, 7-22=-24, 7-10=24, 10-12=24, 12-13=16
9) MWFRS 4th Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
   Uniform Loads (plf)
      Vert: 1-2=8, 2-4=16, 4-7=16, 7-25=16, 10-25=23, 10-12=23, 12-13=45, 2-27=-10, 27-28=-40(F=-30), 12-28=-10
      Horz: 1-2=-16, 2-4=-24, 4-7=-24, 7-25=24, 10-25=31, 10-12=31, 12-13=53
10) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-4=-54, 4-7=-54, 7-10=-14, 10-13=-14, 2-27=-20, 27-28=-50(F=-30), 12-28=-20
11) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-4=-14, 4-7=-14, 7-10=-54, 10-13=-54, 2-27=-20, 27-28=-50(F=-30), 12-28=-20

08/30/2006

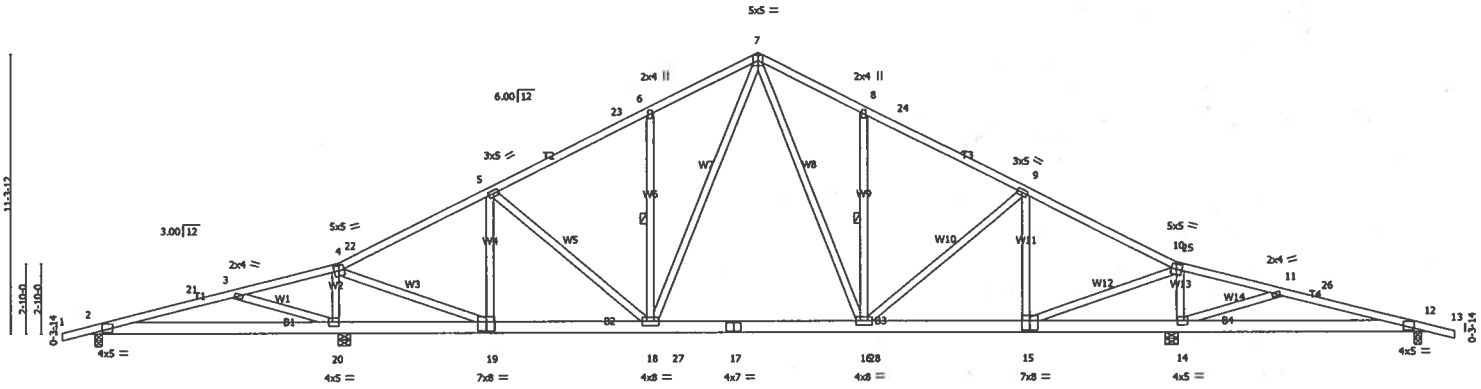
Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	A03	ROOF TRUSS	11	1	Job Reference (optional)

Stock Building Supply, Groveland, FL 34736 — 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 07:40:19 2006 Page 1

-1-1-12	6-0-0	10-0-8	16-1-12	22-8-0	27-0-0	31-4-0	37-10-4	43-11-8	48-0-0	54-0-0	55-1-12
1-1-12	6-0-0	4-0-8	6-1-4	6-6-4	4-4-0	4-4-0	6-6-4	6-1-4	4-0-8	6-0-0	1-1-12

Scale = 1:90.1



0-2-4	10-0-0	10-0-8	16-1-12	22-8-0	31-4-0	37-10-4	43-11-8	44-0-0	53-9-12	54-0-0
0-2-4	9-9-12	0-0-8	6-1-4	6-6-4	8-8-0	6-6-4	6-1-4	0-0-8	9-9-12	0-2-4

Plate Offsets (X,Y): [2:0-0-4,0-2-0], [12:0-0-4,0-2-0], [14:0-1-12,0-2-0], [15:0-4-0,0-4-8], [19:0-4-0,0-4-8], [20:0-1-12,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.05	2-20	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.24	16-18	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.50	Horz(TL)	0.02	14	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.07	16-18	>999	240	Weight: 353 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3
1 - Ply

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-18, 8-16

REACTIONS (lb/size) 20=1894/0-6-0, 14=1894/0-6-0, 2=283/0-3-8, 12=283/0-3-8
Max Horz 2=-82(load case 4)
Max Uplift20=-472(load case 6), 14=-465(load case 7), 2=-246(load case 4), 12=-237(load case 5)
Max Grav 20=1894(load case 1), 14=1894(load case 1), 2=297(load case 10), 12=297(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-21=-92/288, 3-21=-39/298, 3-4=-213/508, 4-22=-1267/371, 5-22=-1134/391, 5-23=-1431/446, 6-23=-1289/458, 6-7=-1408/618, 7-8=-1408/618, 8-24=-1289/458, 9-24=-1431/446, 9-25=-1134/391, 10-25=-1267/371, 10-11=-197/508, 11-26=-39/260, 12-26=-92/250, 12-13=0/18
BOT CHORD 2-20=-136/56, 19-20=-375/292, 18-19=-123/1072, 18-27=0/1007, 17-27=0/1007, 17-28=0/1007, 16-28=0/1007, 15-16=-123/1072, 14-15=-375/286, 12-14=-181/56
WEBS 3-20=-493/456, 4-20=-1508/558, 4-19=-440/1559, 5-19=-541/191, 5-18=0/214, 6-18=-308/322, 7-18=-181/601, 7-16=-181/601, 8-16=-308/322, 9-16=0/214, 9-15=-541/191, 10-15=-440/1559, 10-14=-1508/558, 11-14=-493/456

NOTES (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) -1-1-12 to 4-3-1, Interior(1) 4-3-1 to 21-7-3, Exterior(2) 21-7-3 to 27-0-0, Interior(1) 32-4-13 to 43-11-8, Exterior(2) 49-8-15 to 55-1-12 zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 472 lb uplift at joint 20, 465 lb uplift at joint 14, 246 lb uplift at joint 2 and 237 lb uplift at joint 12.
6) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
8) Seqn: 101439132, Date:8/18/2006

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 7-10=-54, 10-13=-54, 2-27=-20, 27-28=-50(F=-30), 12-28=-20
2) UBC: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-14, 7-10=-14, 10-13=-14, 2-27=-40, 27-28=-70(F=-30), 12-28=-40
3) C-C Wind: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-2=88, 2-21=52, 4-21=35, 4-23=35, 7-23=52, 7-24=52, 10-24=35, 10-26=35, 12-26=52, 12-13=88, 2-27=-10, 27-28=-40(F=-30), 12-28=-10
Horz: 1-2=-97, 2-21=-61, 4-21=-43, 4-23=-43, 7-23=-61, 7-24=61, 10-24=43, 10-26=43, 12-26=61, 12-13=97
4) MWFRS Wind Left: Lumber Increase=1.33, Plate Increase=1.33

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Continued on page 2

Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	A03	ROOF TRUSS	11	1	Job Reference (optional)

LOAD CASE(S) Standard
Uniform Loads (plf)
Vert: 1-2=68, 2-4=46, 4-7=8, 7-10=25, 10-12=27, 12-13=19, 2-27=-10, 27-28=-40(F=-30), 12-28=-10
Horz: 1-2=-77, 2-4=-55, 4-7=-16, 7-10=34, 10-12=35, 12-13=27
5) MWFRS Wind Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-2=19, 2-4=27, 4-7=25, 7-10=8, 10-12=46, 12-13=68, 2-27=-10, 27-28=-40(F=-30), 12-28=-10
Horz: 1-2=-27, 2-4=-35, 4-7=-34, 7-10=16, 10-12=55, 12-13=77
6) MWFRS 1st Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-2=68, 2-4=46, 4-22=46, 7-22=30, 7-10=30, 10-12=30, 12-13=22, 2-27=-10, 27-28=-40(F=-30), 12-28=-10
Horz: 1-2=-77, 2-4=-55, 4-22=-55, 7-22=-38, 7-10=38, 10-12=38, 12-13=30
7) MWFRS 2nd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-2=22, 2-4=30, 4-7=30, 7-25=30, 10-25=46, 10-12=46, 12-13=68, 2-27=-10, 27-28=-40(F=-30), 12-28=-10
Horz: 1-2=-30, 2-4=-38, 4-7=-38, 7-25=38, 10-25=55, 10-12=55, 12-13=77
8) MWFRS 3rd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-2=45, 2-4=23, 4-22=23, 7-22=16, 7-10=16, 10-12=16, 12-13=8, 2-27=-10, 27-28=-40(F=-30), 12-28=-10
Horz: 1-2=-53, 2-4=-31, 4-22=-31, 7-22=-24, 7-10=24, 10-12=24, 12-13=16
9) MWFRS 4th Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-2=8, 2-4=16, 4-7=16, 7-25=16, 10-25=23, 10-12=23, 12-13=45, 2-27=-10, 27-28=-40(F=-30), 12-28=-10
Horz: 1-2=-16, 2-4=-24, 4-7=-24, 7-25=24, 10-25=31, 10-12=31, 12-13=53
10) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 7-10=-14, 10-13=-14, 2-27=-20, 27-28=-50(F=-30), 12-28=-20
11) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-14, 7-10=-54, 10-13=-54, 2-27=-20, 27-28=-50(F=-30), 12-28=-20

08/30/2006

Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	A04	ROOF TRUSS	1	1	Job Reference (optional)

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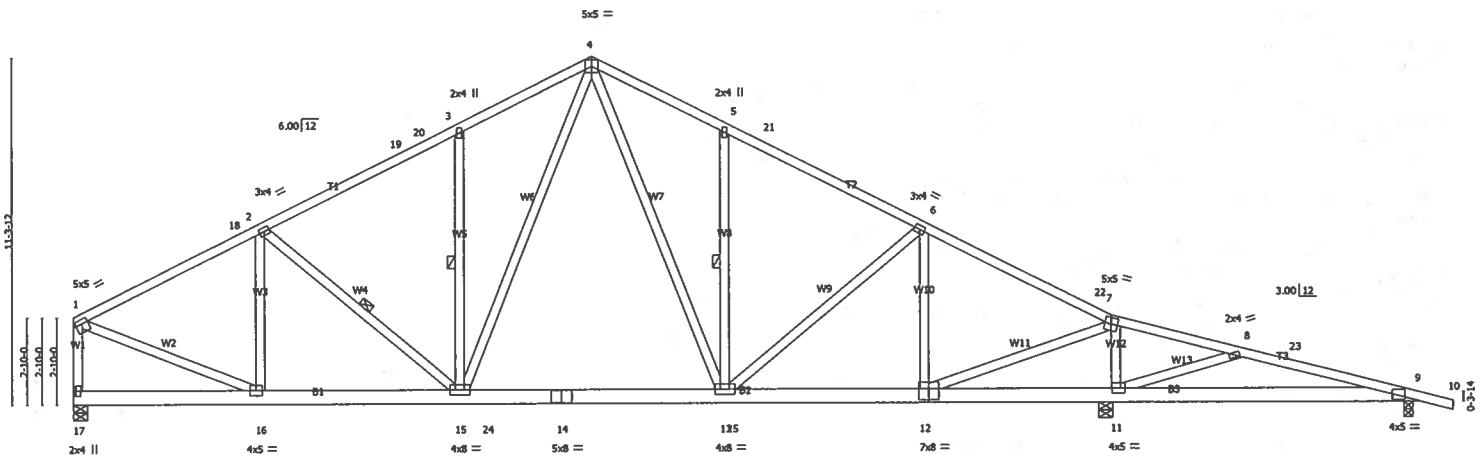
6-1-4	12-7-8	16-11-8	21-3-8	27-9-12	33-11-0	37-11-8	43-11-8	45-1-4
6-1-4	6-6-4	4-4-0	4-4-0	6-6-4	6-1-4	4-0-8	6-0-0	1-1-12

Scale = 1:72.7



6-1-4	12-7-8	21-3-8	27-9-12	33-11-0	33-11-8	43-9-4	43-11-8
6-1-4	6-6-4	8-8-0	6-6-4	6-1-4	0-0-8	9-9-12	0-2-4

Plate Offsets (X,Y): [1:0-2-4,0-1-12], [9:0-5-8,0-0-6], [11:0-1-12,0-2-0], [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	0.39	Vert(LL)	-0.05	9-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.24	13-15	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.58	Horz(TL)	0.03	11	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.07	13-15	>999	240	Weight: 306 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.2
1 - Ply

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 2-15, 3-15, 5-13

REACTIONS(lb/size) 17=1333/0-5-8, 11=1924/0-5-8, 9=285/0-3-8
Max Horz 17=-300(load case 4)
Max Uplift17=-340(load case 6), 11=-471(load case 7), 9=-237(load case 5)
Max Grav 17=1333(load case 1), 11=1924(load case 1), 9=298(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-18=-1452/520, 2-18=-1308/522, 2-19=-1518/509, 19-20=-1404/524, 3-20=-1376/531, 3-4=-1495/687, 4-5=-1462/659, 5-21=-1343/500, 6-21=-1484/488, 6-22=-1177/424, 7-22=-1309/404, 7-8=-198/502, 8-23=-42/261, 9-23=-95/251, 9-10=0/18, 1-17=-1254/481
BOT CHORD 16-17=-72/265, 15-16=-257/1239, 15-24=-13/1057, 14-24=-13/1057, 14-25=-13/1057, 13-25=-13/1057, 12-13=-152/1110, 11-12=-368/285, 9-11=-182/59
WEBS 2-16=-416/146, 2-15=-10/279, 3-15=-309/313, 4-15=-240/669, 4-13=-171/597, 5-13=-308/321, 6-13=0/226, 6-12=-554/202, 7-12=-471/1592, 7-11=-1537/584, 8-11=-493/456, 1-16=-265/1247

NOTES (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) C-C wind load user defined.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 340 lb uplift at joint 17, 471 lb uplift at joint 11 and 237 lb uplift at joint 9.
7) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) Seqn: 101439133, Date:8/18/2006

LOAD CASE(S)
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 7-10=-54, 17-24=-20, 24-25=-50(F=-30), 9-25=-20
2) UBC: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-14, 7-10=-14, 17-24=-40, 24-25=-70(F=-30), 9-25=-40
3) C-C Wind: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-18=52, 18-20=35, 4-20=52, 4-21=52, 7-21=35, 7-23=35, 9-23=52, 9-10=88, 17-24=-10, 24-25=-40(F=-30), 9-25=-10
Horz: 1-18=-61, 18-20=-43, 4-20=-61, 4-21=61, 7-21=43, 7-23=43, 9-23=61, 9-10=97, 1-17=-43
4) MWFRS Wind Left: Lumber Increase=1.33, Plate Increase=1.33

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Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

LOAD CASE(S)

Uniform Loads (plf)
Vert: 1-4=8, 4-7=25, 7-9=27, 9-10=19, 17-24=-10, 24-25=-40(F=-30), 9-25=-10
Horz: 1-4=-16, 4-7=34, 7-9=35, 9-10=27, 1-17=22

5) MWFRS Wind Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=25, 4-7=8, 7-9=46, 9-10=68, 17-24=-10, 24-25=-40(F=-30), 9-25=-10
Horz: 1-4=-34, 4-7=16, 7-9=55, 9-10=77, 1-17=-29

6) MWFRS 1st Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-19=46, 4-19=30, 4-7=30, 7-9=30, 9-10=22, 17-24=-10, 24-25=-40(F=-30), 9-25=-10
Horz: 1-19=-55, 4-19=-38, 4-7=38, 7-9=38, 9-10=30, 1-17=-28

7) MWFRS 2nd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=30, 4-22=30, 7-22=46, 7-9=46, 9-10=68, 17-24=-10, 24-25=-40(F=-30), 9-25=-10
Horz: 1-4=-38, 4-22=38, 7-22=55, 7-9=55, 9-10=77, 1-17=-28

8) MWFRS 3rd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-19=23, 4-19=16, 4-7=16, 7-9=16, 9-10=8, 17-24=-10, 24-25=-40(F=-30), 9-25=-10
Horz: 1-19=-31, 4-19=-24, 4-7=24, 7-9=24, 9-10=16, 1-17=-28

9) MWFRS 4th Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=16, 4-22=16, 7-22=23, 7-9=23, 9-10=45, 17-24=-10, 24-25=-40(F=-30), 9-25=-10
Horz: 1-4=-24, 4-22=24, 7-22=31, 7-9=31, 9-10=53, 1-17=-28

10) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-14, 7-10=-14, 17-24=-20, 24-25=-50(F=-30), 9-25=-20

11) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-54, 7-10=-54, 17-24=-20, 24-25=-50(F=-30), 9-25=-20

08/30/2006

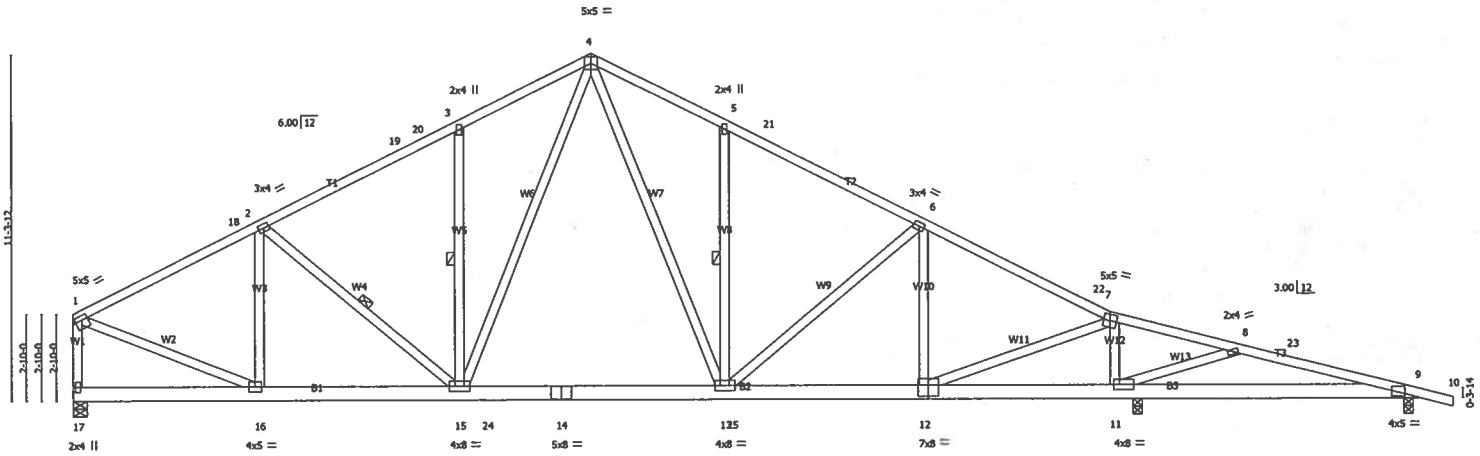
Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd., Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	A05	ROOF TRUSS	1	1	Job Reference (optional)

Stock Building Supply, Groveland, FL 34736 — 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 07:40:23 2006 Page 1

6-1-4	12-7-8	16-11-8	21-3-8	27-9-12	33-11-0	37-11-8	43-11-8	45-1-4
6-1-4	6-6-4	4-4-0	4-4-0	6-6-4	6-1-4	4-0-8	6-0-0	1-1-12

Scale = 1:72.7



6-1-4	12-7-8	21-3-8	27-9-12	33-11-0	34-11-8	43-9-4	43-11-8
6-1-4	6-6-4	8-8-0	6-6-4	6-1-4	1-0-8	8-9-12	0-2-4

Plate Offsets (X,Y): [1:0-2-4,0-1-12], [9:0-5-8,0-0-6], [11:0-2-4,0-2-0], [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	0.39	Vert(LL)	-0.05	9-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.24	13-15	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.58	Horz(TL)	0.03	11	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.07	13-15	>999	240	Weight: 306 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.2
1 - Ply

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 2-15, 3-15, 5-13

REACTIONS(lb/size) 17=1333/0-5-8, 11=1924/0-3-8, 9=285/0-3-8
Max Horz 17=-300(load case 4)
Max Uplift17=-340(load case 6), 11=-471(load case 7), 9=-237(load case 5)
Max Grav 17=1333(load case 1), 11=1924(load case 1), 9=298(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-18=-1452/520, 2-18=-1308/522, 2-19=-1518/509, 19-20=-1404/524, 3-20=-1376/531, 3-4=-1495/687, 4-5=-1462/659, 5-21=-1343/500, 6-21=-1484/488, 6-22=-1177/424, 7-22=-1309/404, 7-8=-198/502, 8-23=-42/261, 9-23=-95/251, 9-10=0/18, 1-17=-1254/481
BOT CHORD 16-17=-72/265, 15-16=-257/1239, 15-24=-13/1057, 14-24=-13/1057, 14-25=-13/1057, 13-25=-13/1057, 12-13=-152/1110, 11-12=-368/285, 9-11=-182/59
WEBS 2-16=-416/146, 2-15=-10/279, 3-15=-309/313, 4-15=-240/669, 4-13=-171/597, 5-13=-308/321, 6-13=0/226, 6-12=-554/202, 7-12=-471/1592, 7-11=-1537/584, 8-11=-493/456, 1-16=-265/1247

NOTES (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) C-C wind load user defined.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 340 lb uplift at joint 17, 471 lb uplift at joint 11 and 237 lb uplift at joint 9.
7) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) Seqn: 101439134, Date:8/18/2006

LOAD CASE(S)
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 7-10=-54, 17-24=-20, 24-25=-50(F=-30), 9-25=-20
2) UBC: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-14, 7-10=-14, 17-24=-40, 24-25=-70(F=-30), 9-25=-40
3) C-C Wind: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-18=52, 18-20=35, 4-20=52, 4-21=52, 7-21=35, 7-23=35, 9-23=52, 9-10=88, 17-24=-10, 24-25=-40(F=-30), 9-25=-10
Horz: 1-18=-61, 18-20=-43, 4-20=-61, 4-21=61, 7-21=43, 7-23=43, 9-23=61, 9-10=97, 1-17=-43
4) MWFRS Wind Left: Lumber Increase=1.33, Plate Increase=1.33

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Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

LOAD CASE(S)

Uniform Loads (plf)
Vert: 1-4=8, 4-7=25, 7-9=27, 9-10=19, 17-24=-10, 24-25=-40(F=-30), 9-25=-10
Horz: 1-4=-16, 4-7=34, 7-9=35, 9-10=27, 1-17=22

5) MWFRS Wind Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=25, 4-7=8, 7-9=46, 9-10=68, 17-24=-10, 24-25=-40(F=-30), 9-25=-10
Horz: 1-4=-34, 4-7=16, 7-9=55, 9-10=77, 1-17=-29

6) MWFRS 1st Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-19=46, 4-19=30, 4-7=30, 7-9=30, 9-10=22, 17-24=-10, 24-25=-40(F=-30), 9-25=-10
Horz: 1-19=-55, 4-19=-38, 4-7=38, 7-9=38, 9-10=30, 1-17=-28

7) MWFRS 2nd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=30, 4-22=30, 7-22=46, 7-9=46, 9-10=68, 17-24=-10, 24-25=-40(F=-30), 9-25=-10
Horz: 1-4=-38, 4-22=38, 7-22=55, 7-9=55, 9-10=77, 1-17=-28

8) MWFRS 3rd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-19=23, 4-19=16, 4-7=16, 7-9=16, 9-10=8, 17-24=-10, 24-25=-40(F=-30), 9-25=-10
Horz: 1-19=-31, 4-19=-24, 4-7=24, 7-9=24, 9-10=16, 1-17=-28

9) MWFRS 4th Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=16, 4-22=16, 7-22=23, 7-9=23, 9-10=45, 17-24=-10, 24-25=-40(F=-30), 9-25=-10
Horz: 1-4=-24, 4-22=24, 7-22=31, 7-9=31, 9-10=53, 1-17=-28

10) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-14, 7-10=-14, 17-24=-20, 24-25=-50(F=-30), 9-25=-20

11) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-54, 7-10=-54, 17-24=-20, 24-25=-50(F=-30), 9-25=-20

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Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	A06	ROOF TRUSS	2	1	Job Reference (optional)

Stock Building Supply, Groveland, FL 34736 — 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 07:40:25 2006 Page 1

6-1-4	12-7-8	16-11-8	21-3-8	27-9-12	33-11-0	36-3-8	43-11-8	45-1-4
6-1-4	6-6-4	4-4-0	4-4-0	6-6-4	6-1-4	2-4-8	7-8-0	1-1-12

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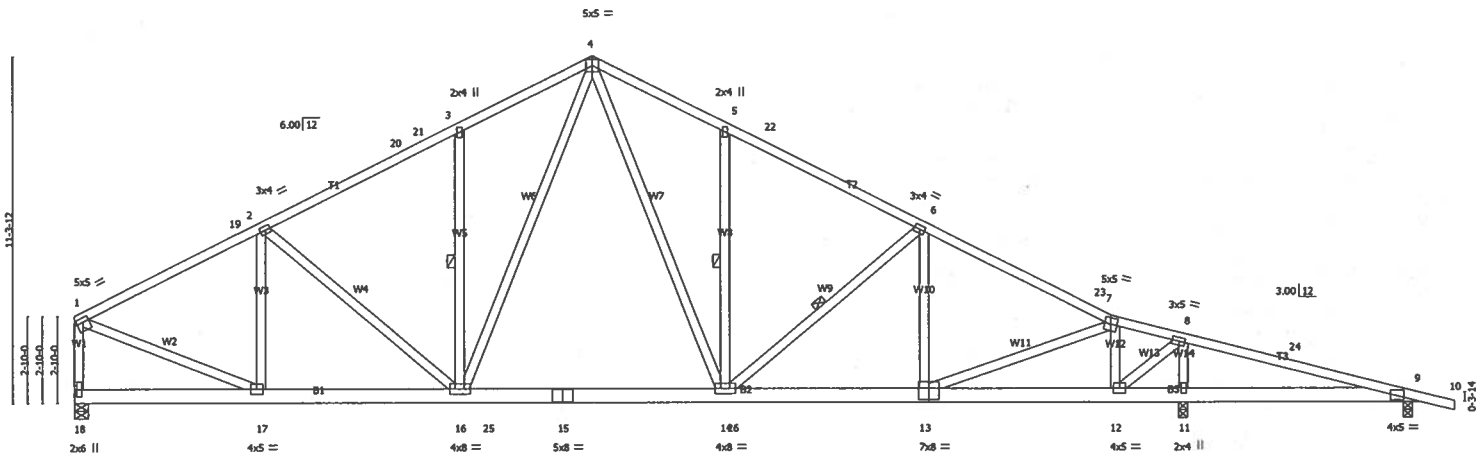

6-1-4	12-7-8	21-3-8	27-9-12	33-11-0	36-5-0	43-9-4	43-11-8
6-1-4	6-6-4	8-8-0	6-6-4	6-1-4	2-6-0	7-4-4	0-2-4

Plate Offsets (X,Y): [1:0-2-4,0-1-12], [8:0-2-4,0-1-8], [9:0-5-11,0-0-6], [13:0-4-0,0-4-8]

LOADING(psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.06	14	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.28	14-16	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.57	Horz(TL)	0.04	11	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.09	14	>999	240	Weight: 306 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2 *Except*
B3 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.2
1 - Ply

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 11-12,9-11.
WEBS 1 Row at midpt 3-16, 5-14, 6-14

REACTIONS(lb/size) 18=1419/0-5-8, 11=1991/0-3-8, 9=130/0-3-8
Max Horz 18=-300(load case 4)
Max Uplift18=-359(load case 6), 11=-484(load case 7), 9=-224(load case 5)
Max Grav 18=1419(load case 1), 11=1991(load case 1), 9=157(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-19=-1557/554, 2-19=-1413/556, 2-20=-1656/554, 20-21=-1543/569, 3-21=-1514/576, 3-4=-1633/732, 4-5=-1692/736, 5-22=-1575/577, 6-22=-1717/565, 6-23=-1740/584, 7-23=-1804/563, 7-8=-696/236, 8-24=-182/700, 9-24=-190/651, 9-10=0/18, 1-18=-1340/509
BOT CHORD 17-18=-72/264, 16-17=-288/1332, 16-25=-57/1190, 15-25=-57/1190, 15-26=-57/1190, 14-26=-57/1190, 13-14=-297/1557, 12-13=-97/713, 11-12=-632/266, 9-11=-632/266
WEBS 2-17=-457/159, 2-16=0/270, 3-16=-309/312, 4-16=-231/654, 4-14=-238/777, 5-14=-304/318, 6-14=-179/218, 6-13=-245/107, 7-13=-215/910, 7-12=-1108/381, 8-12=-444/1666, 1-17=-298/1347, 8-11=-1707/597

NOTES (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) C-C wind load user defined.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 359 lb uplift at joint 18, 484 lb uplift at joint 11 and 224 lb uplift at joint 9.
7) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) Seqn: 101439135, Date:8/18/2006

LOAD CASE(S)
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 7-10=-54, 18-25=-20, 25-26=-50(F=-30), 9-26=-20
2) UBC: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-14, 7-10=-14, 18-25=-40, 25-26=-70(F=-30), 9-26=-40
3) C-C Wind: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-19=52, 19-21=35, 4-21=52, 4-22=52, 7-22=35, 7-24=35, 9-24=52, 9-10=88, 18-25=-10, 25-26=-40(F=-30), 9-26=-10
Horz: 1-19=-61, 19-21=-43, 4-21=-61, 4-22=61, 7-22=43, 7-24=43, 9-24=61, 9-10=97, 1-18=-43
4) MWFRS Wind Left: Lumber Increase=1.33, Plate Increase=1.33

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Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

LOAD CASE(S)

Uniform Loads (plf)
Vert: 1-4=8, 4-7=25, 7-9=27, 9-10=19, 18-25=-10, 25-26=-40(F=-30), 9-26=-10
Horz: 1-4=-16, 4-7=34, 7-9=35, 9-10=27, 1-18=22

5) MWFRS Wind Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=25, 4-7=8, 7-9=46, 9-10=68, 18-25=-10, 25-26=-40(F=-30), 9-26=-10
Horz: 1-4=-34, 4-7=16, 7-9=55, 9-10=77, 1-18=-29

6) MWFRS 1st Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-20=46, 4-20=30, 4-7=30, 7-9=30, 9-10=22, 18-25=-10, 25-26=-40(F=-30), 9-26=-10
Horz: 1-20=-55, 4-20=-38, 4-7=38, 7-9=38, 9-10=30, 1-18=-28

7) MWFRS 2nd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=30, 4-23=30, 7-23=46, 7-9=46, 9-10=68, 18-25=-10, 25-26=-40(F=-30), 9-26=-10
Horz: 1-4=-38, 4-23=38, 7-23=55, 7-9=55, 9-10=77, 1-18=-28

8) MWFRS 3rd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-20=23, 4-20=16, 4-7=16, 7-9=16, 9-10=8, 18-25=-10, 25-26=-40(F=-30), 9-26=-10
Horz: 1-20=-31, 4-20=-24, 4-7=24, 7-9=24, 9-10=16, 1-18=-28

9) MWFRS 4th Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=16, 4-23=16, 7-23=23, 7-9=23, 9-10=45, 18-25=-10, 25-26=-40(F=-30), 9-26=-10
Horz: 1-4=-24, 4-23=24, 7-23=31, 7-9=31, 9-10=53, 1-18=-28

10) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-14, 7-10=-14, 18-25=-20, 25-26=-50(F=-30), 9-26=-20

11) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-54, 7-10=-54, 18-25=-20, 25-26=-50(F=-30), 9-26=-20

08/30/2006

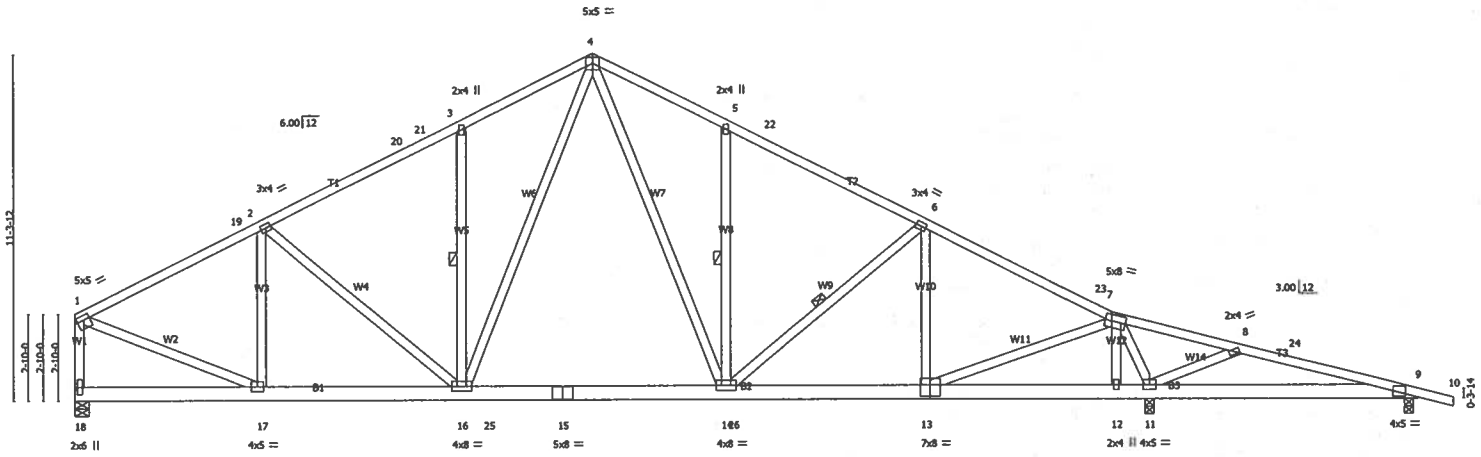
Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	A07	ROOF TRUSS	1	1	Job Reference (optional)

Stock Building Supply, Groveland, FL 34736 — 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 07:40:27 2006 Page 1

6-1-4	12-7-8	16-11-8	21-3-8	27-9-12	33-11-0	37-11-8	43-11-8	45-1-4
6-1-4	6-6-4	4-4-0	4-4-0	6-6-4	6-1-4	4-0-8	6-0-0	1-1-12

Scale = 1:72.7



6-1-4	12-7-8	21-3-8	27-9-12	33-11-0	35-3-8	43-9-4	43-11-8
6-1-4	6-6-4	8-8-0	6-6-4	6-1-4	1-4-8	8-5-12	0-2-4

Plate Offsets (X,Y): [1:0-2-4,0-1-12], [7:0-5-8,0-2-8], [9:0-5-8,0-0-6], [13:0-4-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	-0.05	14-16	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.25	14-16	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.57	Horz(TL)	0.03	11	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.07	14-16	>999	240	Weight: 308 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2 *Except* B3 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except* W1 2 X 4 SYP No.2
1 - Ply

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 9-11.
WEBS 1 Row at midpt 3-16, 5-14, 6-14

REACTIONS (lb/size) 18=1372/0-5-8, 11=1966/0-3-8, 9=203/0-3-8
Max Horz 18=-300(load case 4)
Max Uplift18=-348(load case 6), 11=-483(load case 7), 9=-227(load case 5)
Max Grav 18=1372(load case 1), 11=1966(load case 1), 9=223(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-19=-1500/535, 2-19=-1356/537, 2-20=-1581/528, 20-21=-1467/544, 3-21=-1439/551, 3-4=-1558/707, 4-5=-1566/693, 5-22=-1448/533, 6-22=-1589/522, 6-23=-1407/494, 7-23=-1540/473, 7-8=-252/688, 8-24=-16/303, 9-24=-24/285, 9-10=0/18, 1-18=-1293/493
BOT CHORD 17-18=-72/265, 16-17=-271/1281, 16-25=-32/1117, 15-25=-32/1117, 15-26=-32/1117, 14-26=-32/1117, 13-14=-215/1317, 12-13=0/197, 11-12=0/199, 9-11=-277/95
WEBS 2-17=-435/152, 2-16=0/275, 3-16=-309/313, 4-16=-236/663, 4-14=-200/678, 5-14=-308/320, 6-14=-29/203, 6-13=-404/159, 7-13=-353/1314, 7-12=-121/70, 8-11=-419/398, 1-17=-279/1292, 7-11=-1627/571

NOTES (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) C-C wind load user defined.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 348 lb uplift at joint 18, 483 lb uplift at joint 11 and 227 lb uplift at joint 9.
7) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
9) Seqn: 101439136, Date:8/18/2006

LOAD CASE(S)
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 7-10=-54, 18-25=-20, 25-26=-50(F=-30), 9-26=-20
2) UBC: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-14, 7-10=-14, 18-25=-40, 25-26=-70(F=-30), 9-26=-40
3) C-C Wind: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-19=52, 19-21=35, 4-21=52, 4-22=52, 7-22=35, 7-24=35, 9-24=52, 9-10=88, 18-25=-10, 25-26=-40(F=-30), 9-26=-10
Horz: 1-19=-61, 19-21=-43, 4-21=-61, 4-22=61, 7-22=43, 7-24=43, 9-24=61, 9-10=97, 1-18=-43
4) MWFRS Wind Left: Lumber Increase=1.33, Plate Increase=1.33

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Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

LOAD CASE(S)

Uniform Loads (plf)
Vert: 1-4=8, 4-7=25, 7-9=27, 9-10=19, 18-25=-10, 25-26=-40(F=-30), 9-26=-10
Horz: 1-4=-16, 4-7=34, 7-9=35, 9-10=27, 1-18=22

5) MWFRS Wind Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=25, 4-7=8, 7-9=46, 9-10=68, 18-25=-10, 25-26=-40(F=-30), 9-26=-10
Horz: 1-4=-34, 4-7=16, 7-9=55, 9-10=77, 1-18=-29

6) MWFRS 1st Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-20=46, 4-20=30, 4-7=30, 7-9=30, 9-10=22, 18-25=-10, 25-26=-40(F=-30), 9-26=-10
Horz: 1-20=-55, 4-20=-38, 4-7=38, 7-9=38, 9-10=30, 1-18=-28

7) MWFRS 2nd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=30, 4-23=30, 7-23=46, 7-9=46, 9-10=68, 18-25=-10, 25-26=-40(F=-30), 9-26=-10
Horz: 1-4=-38, 4-23=38, 7-23=55, 7-9=55, 9-10=77, 1-18=-28

8) MWFRS 3rd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-20=23, 4-20=16, 4-7=16, 7-9=16, 9-10=8, 18-25=-10, 25-26=-40(F=-30), 9-26=-10
Horz: 1-20=-31, 4-20=-24, 4-7=24, 7-9=24, 9-10=16, 1-18=-28

9) MWFRS 4th Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=16, 4-23=16, 7-23=23, 7-9=23, 9-10=45, 18-25=-10, 25-26=-40(F=-30), 9-26=-10
Horz: 1-4=-24, 4-23=24, 7-23=31, 7-9=31, 9-10=53, 1-18=-28

10) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-14, 7-10=-14, 18-25=-20, 25-26=-50(F=-30), 9-26=-20

11) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-54, 7-10=-54, 18-25=-20, 25-26=-50(F=-30), 9-26=-20

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Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	A08	ROOF TRUSS	1	1	Job Reference (optional)

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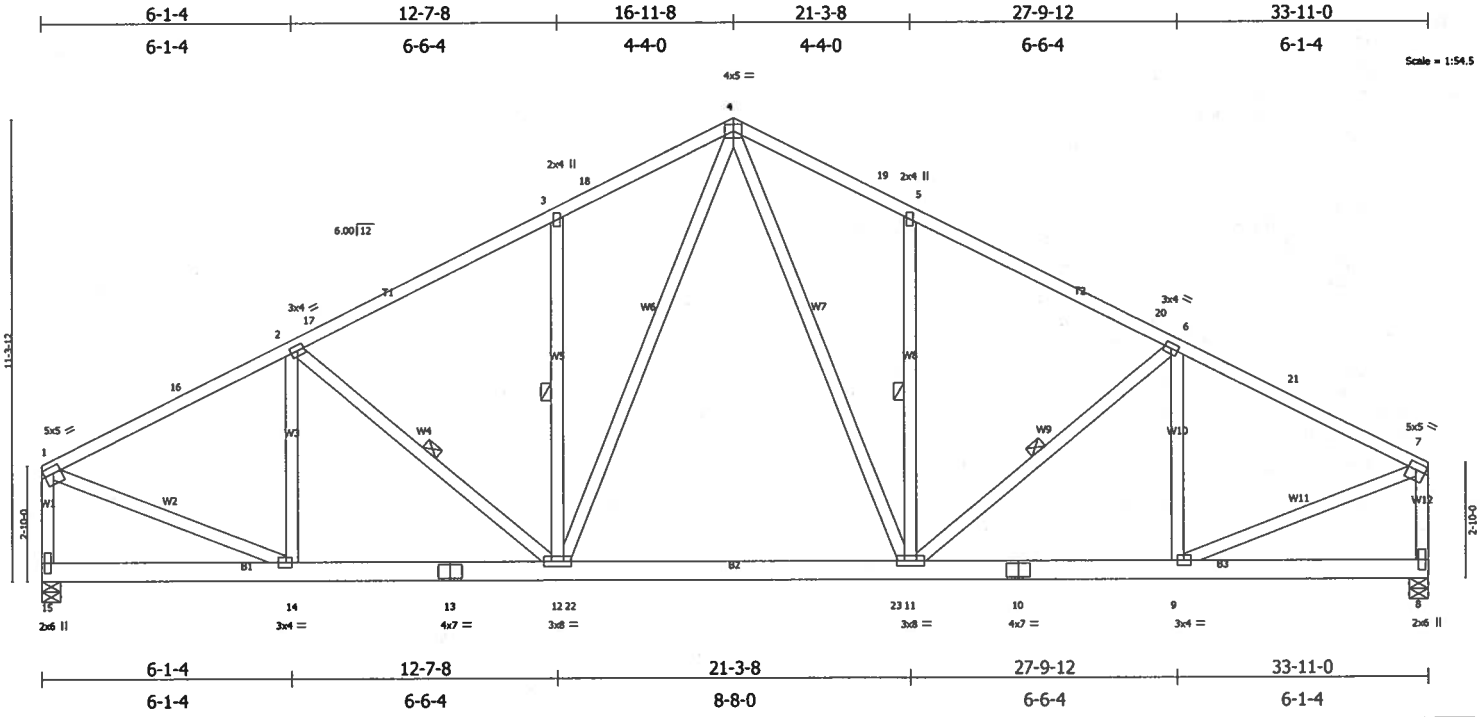

Plate Offsets (X,Y): [1:0-2-4,0-2-0], [7:0-2-4,0-2-0], [9:0-1-12,0-1-8], [14:0-1-12,0-1-8]

LOADING(psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.05	11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.25	11-12	>999	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.44	Horz(TL)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.07	11-12	>999	240	Weight: 259 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.2, W12 2 X 4 SYP No.2
1 - Ply

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-12, 3-12, 5-11, 6-11

REACTIONS(lb/size) 15=1364/0-5-8, 8=1364/0-5-8
Max Horz 15=218(load case 5)
Max Uplift15=-303(load case 6), 8=-308(load case 7)

FORCES(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-16=-1490/457, 2-16=-1360/469, 2-17=-1568/457, 3-17=-1486/479, 3-18=-1545/603, 4-18=-1523/618, 4-19=-1523/613, 5-19=-1545/599, 5-20=-1486/474, 6-20=-1568/452, 6-21=-1360/450, 7-21=-1490/437, 1-15=-1285/434, 7-8=-1285/438
BOT CHORD 14-15=-203/167, 13-14=-327/1272, 12-13=-327/1272, 12-22=-118/1105, 22-23=-118/1105, 11-23=-118/1105, 10-11=-310/1272, 9-10=-310/1272, 8-9=-66/90
WEBS 2-14=-431/130, 2-12=-2/243, 3-12=-309/275, 4-12=-184/665, 4-11=-174/665, 5-11=-309/275, 6-11=-2/232, 6-9=-431/149, 1-14=-229/1283, 7-9=-264/1283

NOTES (8)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) 0-1-12 to 3-6-7, Interior(1) 3-6-7 to 13-6-13, Exterior(2) 13-6-13 to 16-11-8, Interior(1) 20-4-3 to 30-4-9 zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 303 lb uplift at joint 15 and 308 lb uplift at joint 8.
6) Load case(s) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 has/have been modified. Building designer must review loads to verify that they are correct for the intended use of this truss.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
8) Seqn: 101439137, Date:8/18/2006

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 15-22=-20, 22-23=-50(F=-30), 8-23=-20
2) UBC: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-14, 15-22=-40, 22-23=-70(F=-30), 8-23=-40
3) C-C Wind: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-16=52, 16-18=35, 4-18=52, 4-19=52, 19-21=35, 7-21=52, 15-22=-10, 22-23=-40(F=-30), 8-23=-10
Horz: 1-16=-61, 16-18=-43, 4-18=-61, 4-19=61, 19-21=43, 7-21=61, 1-15=-44
4) MWFRS Wind Left: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=8, 4-7=25, 15-22=-10, 22-23=-40(F=-30), 8-23=-10
Horz: 1-4=-16, 4-7=34, 1-15=22

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Continued on page 2

Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

LOAD CASE(S) Standard

5) MWFRS Wind Right: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=25, 4-7=8, 15-22=-10, 22-23=-40(F=-30), 8-23=-10
Horz: 1-4=-34, 4-7=16, 1-15=-29

6) MWFRS 1st Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-17=46, 4-17=30, 4-7=30, 15-22=-10, 22-23=-40(F=-30), 8-23=-10
Horz: 1-17=-55, 4-17=-38, 4-7=38, 1-15=-28

7) MWFRS 2nd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=30, 4-20=30, 7-20=46, 15-22=-10, 22-23=-40(F=-30), 8-23=-10
Horz: 1-4=-38, 4-20=38, 7-20=55, 1-15=-28

8) MWFRS 3rd Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-17=23, 4-17=16, 4-7=16, 15-22=-10, 22-23=-40(F=-30), 8-23=-10
Horz: 1-17=-31, 4-17=-24, 4-7=24, 1-15=-28

9) MWFRS 4th Wind Parallel: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=16, 4-20=16, 7-20=23, 15-22=-10, 22-23=-40(F=-30), 8-23=-10
Horz: 1-4=-24, 4-20=24, 7-20=31, 1-15=-28

10) 1st unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-14, 15-22=-20, 22-23=-50(F=-30), 8-23=-20

11) 2nd unbalanced Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-14, 4-7=-54, 15-22=-20, 22-23=-50(F=-30), 8-23=-20

08/30/2006

Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
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220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	A09	ROOF TRUSS	1	1	Job Reference (optional)

Stock Building Supply, Groveland, FL 34736 — 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 07:40:30 2006 Page 1

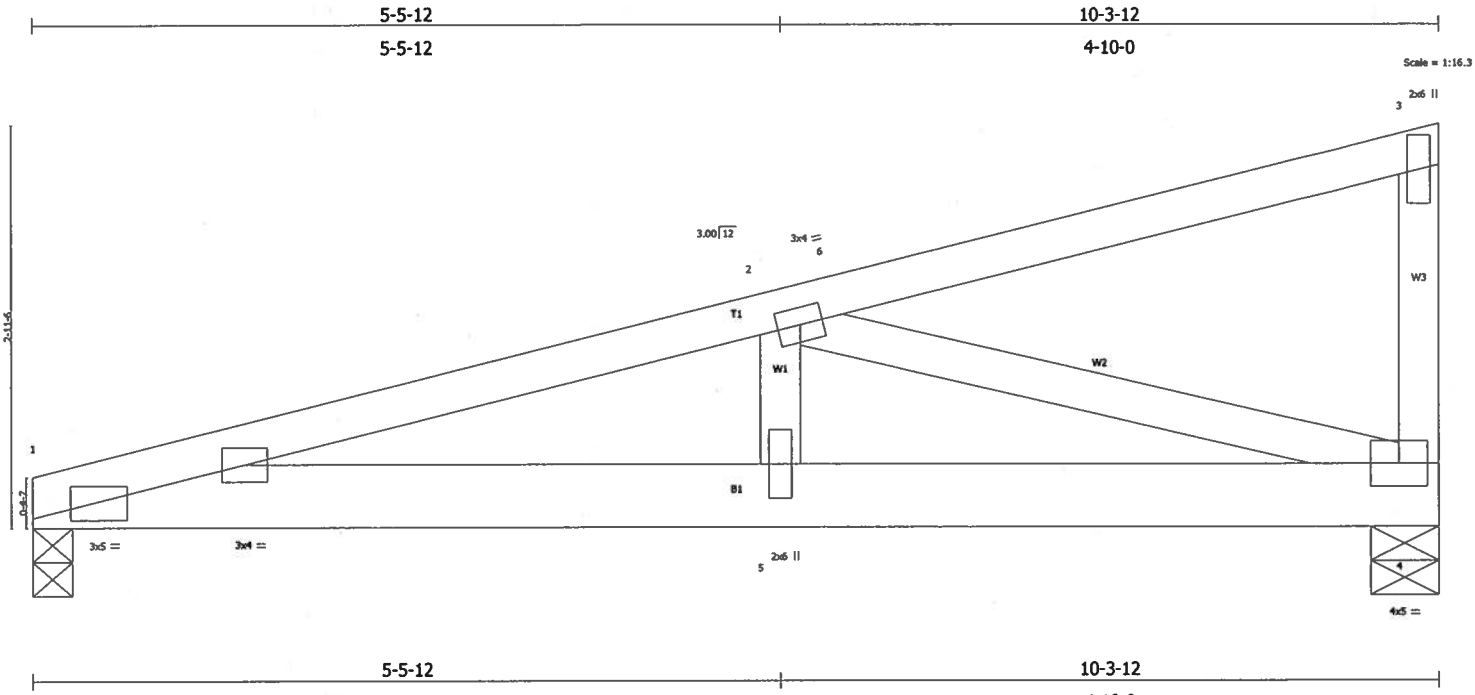

Plate Offsets (X,Y): [1:0-3-5,0-0-3]

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	1-5	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.17	1-5	>724	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.97	Horz(TL)	0.03	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.10	1-5	>999	240	Weight: 51 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3
1 - Ply

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-8-15 oc bracing.

REACTIONS(lb/size) 1=1132/0-3-8, 4=1132/0-6-0
Max Horz 1=139(load case 3)
Max Uplift1=-555(load case 3), 4=-590(load case 3)

FORCES(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2420/1149, 2-6=-144/31, 3-6=-89/40, 3-4=-107/98
BOT CHORD 1-5=-1211/2320, 4-5=-1211/2320
WEBS 2-5=-374/932, 2-4=-2299/1192

NOTES (7)
1) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33.
2) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 555 lb uplift at joint 1 and 590 lb uplift at joint 4.
5) Girder carries tie-in span(s): 10-6-0 from 0-0-0 to 10-6-0
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).
7) Seqn: 101439138, Date:8/18/2006

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 1-4=-172(F=-152)

08/30/2006

Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	A10	MONO TRUSS	1	3	Job Reference (optional)

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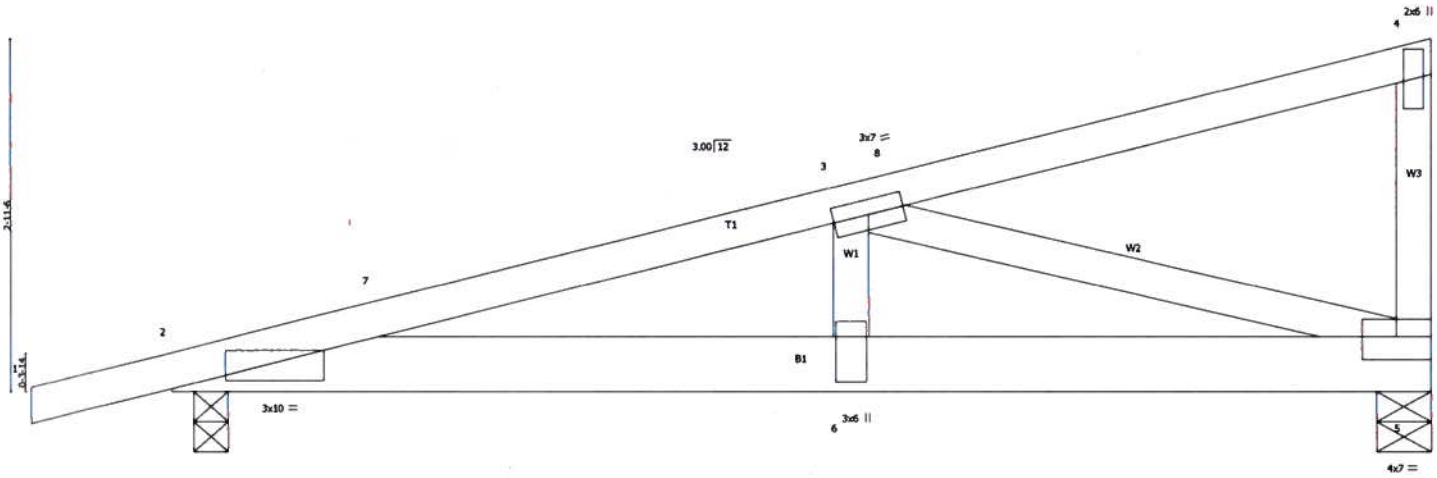
-1-1-12 | 5-8-0 | 10-6-0

1-1-12 | 5-8-0 | 4-10-0

Scale = 1:18.5



0-2-4 | 5-8-0 | 10-6-0

0-2-4 | 5-5-12 | 4-10-0

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

LOADING(psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.96	Vert(LL)	-0.12	2-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-0.27	2-6	>446	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.66	Horz(TL)	0.04	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.16	2-6	>745	240	Weight: 162 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3
3 - Ply

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) 5=5350/0-5-8, 2=5428/0-3-8
Max Horz 2=165(load case 4)
Max Uplift5=-2651(load case 4), 2=-2717(load case 4)

FORCES(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/18, 2-7=-11484/5559, 3-7=-11466/5566, 3-8=-455/187, 4-8=-455/196, 4-5=-108/136
BOT CHORD 2-6=-5506/11133, 5-6=-5506/11133
WEBS 3-6=-2605/5508, 3-5=-11135/5497

NOTES (7)
1) 3-ply truss to be connected together with 10d (0.131"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 6 - 2 rows at 0-4-0 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) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) -1-1-12 to 1-10-4, Interior(1) 1-10-4 to 6-1-6, Exterior(2) 6-1-6 to 10-4-4 zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2651 lb uplift at joint 5 and 2717 lb uplift at joint 2.
7) Seqn: 101439139, Date:8/18/2006

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 2-5=-995(F=-975)

08/30/2006

Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd., Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	B01	DROP TC GABLE	1	1	Job Reference (optional)

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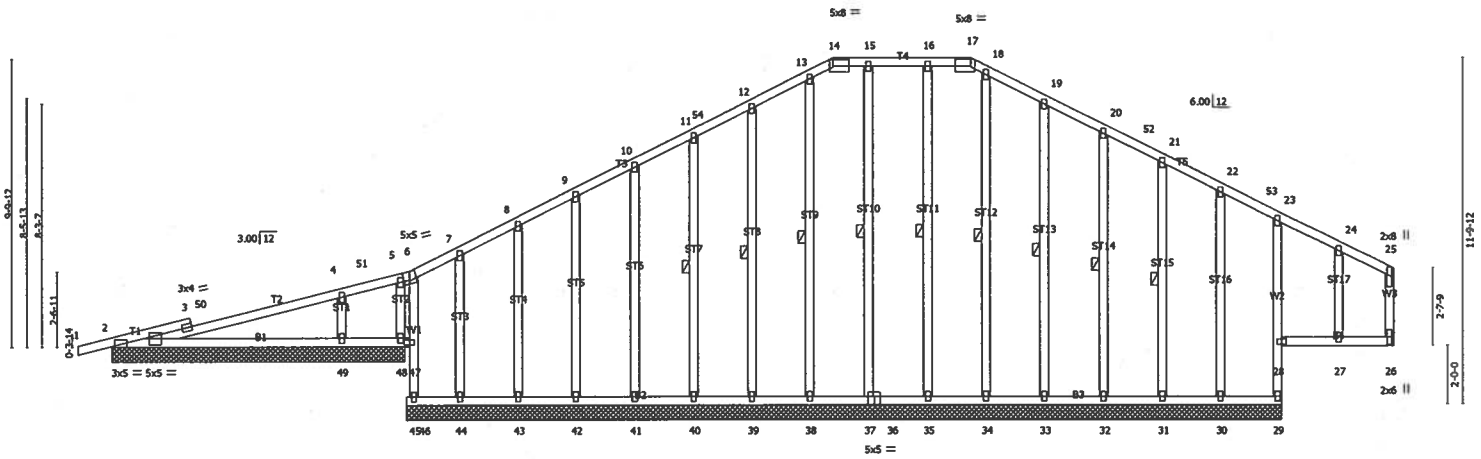
-1-1-12	10-1-12	24-7-14	29-4-2	39-11-8	43-8-8
1-1-12	10-1-12	14-6-2	4-8-4	10-7-6	3-9-0

Scale = 1:75.9



10-0-8	39-11-8	43-8-8
10-0-8	29-11-0	3-9-0

Plate Offsets (X,Y): [2:0-2-4,0-2-8], [2:0-6-12,Edge], [14:0-6-8,0-2-12], [17:0-6-8,0-2-12], [36:0-2-8,0-0-4]

LOADING(psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.80	Vert(LL)	-0.06	2-49	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.18	2-49	>533	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.85	Horz(TL)	0.24	28	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.09	2-49	>999	240	Weight: 350 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W3 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3
1 - Ply

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 45-46.
WEBS 1 Row at midpt 12-39, 11-40, 13-38, 15-37, 16-35, 18-34, 19-33, 20-32, 21-31

REACTIONS(lb/size) 2=283/10-0-0, 46=-9/29-11-0, 28=425/29-11-0, 39=146/29-11-0, 40=148/29-11-0, 41=148/29-11-0, 42=149/29-11-0, 43=141/29-11-0, 44=183/29-11-0, 48=-307/10-0-0, 49=673/10-0-0, 38=164/29-11-0, 37=159/29-11-0, 35=155/29-11-0, 34=167/29-11-0, 33=148/29-11-0, 32=144/29-11-0, 31=174/29-11-0, 30=9/29-11-0, 45=175/29-11-0, 29=15/29-11-0
Max Horz 2=215(load case 5)
Max Uplift2=-203(load case 4), 46=-17(load case 2), 28=-461(load case 7), 39=-71(load case 7), 40=-58(load case 6), 41=-59(load case 7), 42=-60(load case 6), 43=-56(load case 7), 44=-86(load case 6), 48=-307(load case 1), 49=-350(load case 4), 38=-20(load case 5), 37=-52(load case 5), 35=-61(load case 5), 33=-66(load case 7), 32=-58(load case 7), 31=-124(load case 7), 30=-6(load case 4), 45=-36(load case 6)
Max Grav 2=293(load case 10), 28=429(load case 11), 39=147(load case 10), 40=148(load case 1), 41=148(load case 1), 42=149(load case 10), 43=141(load case 1), 44=185(load case 10), 48=141(load case 6), 49=678(load case 10), 38=164(load case 1), 37=159(load case 1), 35=156(load case 11), 34=167(load case 1), 33=148(load case 11), 32=144(load case 1), 31=174(load case 11), 30=62(load case 5), 45=189(load case 2), 29=31(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/14, 2-3=-234/92, 3-50=-227/94, 4-50=-225/150, 4-51=-168/108, 5-51=-167/111, 5-6=-183/101, 17-18=0/481, 18-19=0/484, 19-20=0/368, 20-52=0/283, 21-52=0/277, 21-22=0/196, 22-53=-10/246, 23-53=-25/239, 23-24=-123/169, 24-25=-108/98, 6-7=-158/115, 7-8=-120/148, 8-9=-83/163, 9-10=-45/208, 10-11=-7/274, 11-54=0/346, 12-54=0/353, 12-13=0/470, 13-14=-2/490, 14-15=0/497, 15-16=0/497, 16-17=0/497, 25-26=-11/25
BOT CHORD 2-49=-91/166, 48-49=-91/166, 47-48=-91/166, 45-46=0/0, 44-45=-49/91, 43-44=-49/91, 42-43=-49/91, 41-42=-49/91, 40-41=-49/91, 39-40=-49/91, 38-39=-49/91, 37-38=-49/91, 36-37=-49/91, 35-36=-49/91, 34-35=-49/91, 33-34=-49/91, 32-33=-49/91, 31-32=-49/91, 30-31=-49/91, 29-30=-49/91, 27-28=-72/134, 26-27=-72/134
WEBS 12-39=-107/248, 11-40=-108/161, 10-41=-108/130, 9-42=-109/136, 8-43=-101/128, 7-44=-148/168, 5-48=-151/132, 4-49=-458/459, 13-38=-124/40, 15-37=-119/72, 16-35=-116/81, 18-34=-127/6, 19-33=-108/245, 20-32=-104/172, 21-31=-136/179, 22-30=-128/80, 24-27=-48/87, 45-47=-148/101, 6-47=-38/86, 28-29=0/0, 23-28=-387/707

NOTES (11)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Corner(3) -1-1-12 to 3-2-11, Exterior(2) 3-2-11 to 20-3-7, Corner(3) 20-3-7 to 33-8-9, Exterior(2) 33-8-9 to 39-2-5 zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Gable studs spaced at 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) Bearing at joint(s) 28 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 203 lb uplift at joint 2, 17 lb uplift at joint 46, 461 lb uplift at joint 28, 71 lb uplift at joint 39, 58 lb uplift at joint 40, 59 lb uplift at joint 41, 60 lb uplift at joint 42, 56 lb uplift at joint 43, 86 lb uplift at joint 44, 307 lb uplift at joint 48, 350 lb uplift at joint 49, 20 lb uplift at joint 38, 52 lb uplift at joint 37, 61 lb uplift at joint 35, 66 lb uplift at joint 33, 58 lb uplift at joint 32, 124 lb uplift at joint 31, 6 lb uplift at joint 30 and 36 lb uplift at joint 45.
11) Seqn: 101439140, Date:8/18/2006

LOAD CASE(S) Standard

08/30/2006

Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	B02	ROOF TRUSS	9	1	Job Reference (optional)

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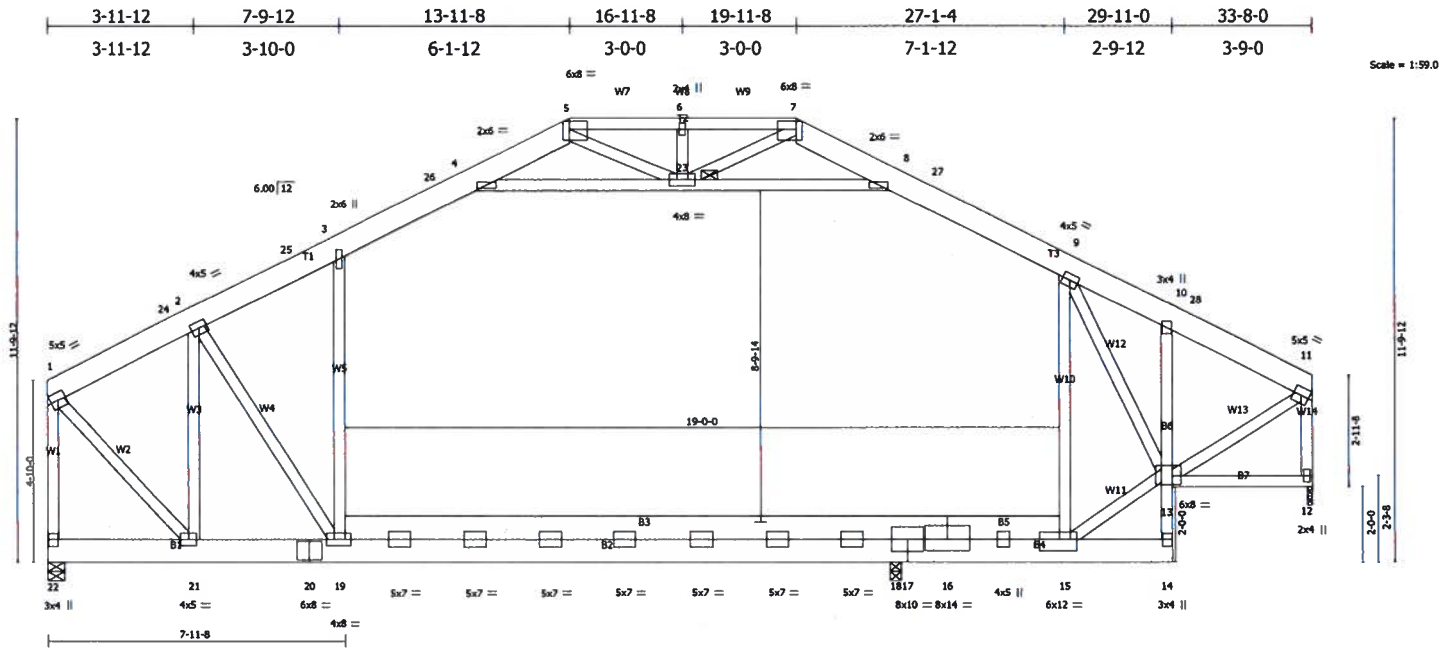


Plate Offsets (X,Y): [5:0-6-0,0-2-8], [7:0-6-0,0-2-8], [13:0-2-12,0-2-12], [14:0-2-4,0-1-8], [15:0-2-0,0-3-12], [16:0-7-0,0-3-10], [19:0-2-8,0-2-0], [22:0-2-4,0-1-8]

LOADING(psf)		SPACING	2-0-0	CSI		DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.74	Vert(LL)	-0.32 18-19	>829	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.96	Vert(TL)	-0.44 18-19	>608	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.58	Horz(TL)	0.07 12	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.07 18-19	>999	240	Weight: 373 lb	

LUMBER
TOP CHORD 2 X 8 SYP No.1D *Except*
T2 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.1D *Except*
B6 2 X 4 SYP No.3, B7 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.2, W14 2 X 4 SYP No.2
1 - Ply

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
JOINTS 1 Brace at Jt(s): 23

REACTIONS(lb/size) 22=1716/0-5-8, 12=1367/Mechanical, 18=1203/0-3-8
Max Horz 22=121(load case 5)
Max Uplift22=-355(load case 6), 12=-325(load case 7), 18=-5(load case 4)
Max Grav 22=1716(load case 1), 12=1367(load case 1), 18=1328(load case 12)

FORCES(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-24=-1164/334, 2-24=-1080/342, 2-25=-1530/490, 3-25=-1446/494, 3-26=-1336/603, 4-26=-1256/621, 4-5=-578/453, 5-6=-606/536, 6-7=-610/534, 7-8=-516/491, 8-27=-1297/615, 9-27=-1413/592, 9-10=-1136/501, 10-28=-1131/448, 11-28=-1212/443, 1-22=-1679/506, 11-12=-1317/521
BOT CHORD 21-22=-124/118, 20-21=-250/1014, 19-20=-250/1014, 18-19=-301/1246, 17-18=-300/1228, 16-17=-300/1228, 15-16=-303/1212, 14-15=-77/2, 13-14=-911/147, 10-13=-30/174, 12-13=-14/39
WEBS 3-19=0/415, 9-15=-221/461, 13-15=-324/1534, 9-13=-669/132, 1-21=-352/1487, 11-13=-390/1204, 4-23=-727/238, 8-23=-1039/223, 6-23=-116/117, 5-23=-172/230, 7-23=-122/476, 2-21=-943/289, 2-19=-180/449

NOTES (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) 0-1-12 to 3-6-2, Interior(1) 3-6-2 to 10-7-2, Exterior(2) 10-7-2 to 23-3-14, Interior(1) 23-3-14 to 30-1-14 zone; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Ceiling dead load (5.0 psf) on member(s). 3-4, 8-9, 4-23, 8-23; Wall dead load (2.5psf) on member(s).3-19, 9-15
7) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 18-19, 15-18
8) Refer to girder(s) for truss to truss connections.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 355 lb uplift at joint 22, 325 lb uplift at joint 12 and 5 lb uplift at joint 18.
10) Seqn: 101439141, Date:8/18/2006

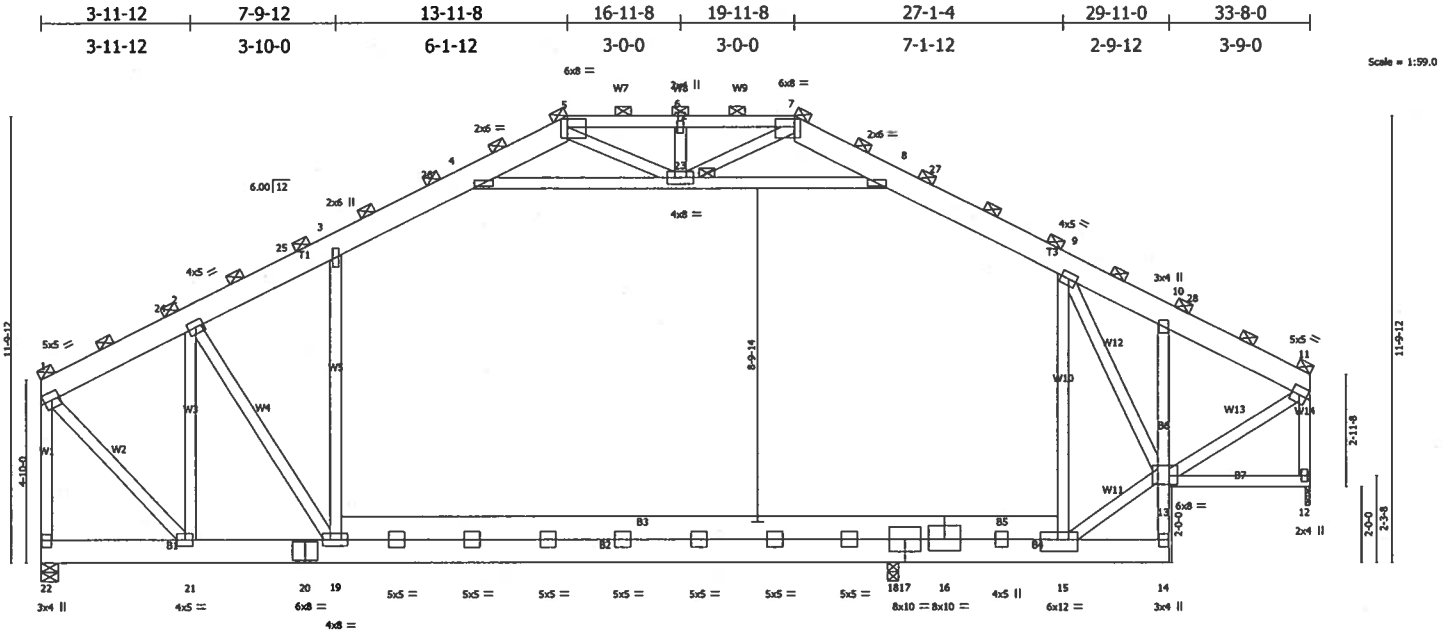
LOAD CASE(S) Standard

08/30/2006

Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	B03	ROOF TRUSS	2	2	Job Reference (optional)

Stock Building Supply, Groveland, FL 34736 — 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 07:40:39 2006 Page 1



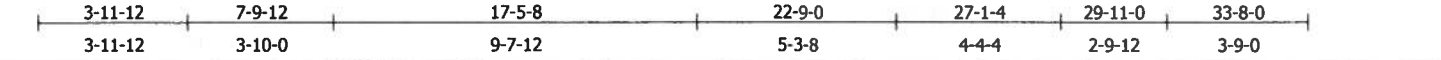


Plate Offsets (X,Y): [5:0-6-0,0-2-8], [7:0-6-0,0-2-8], [13:0-2-12,0-2-12], [14:0-2-4,0-1-8], [15:0-3-0,0-3-12], [16:0-5-0,0-3-10], [19:0-2-8,0-2-0], [22:0-2-4,0-1-8]

LOADING(psf)		SPACING	3-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.24	18-19	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.79	Vert(TL)	-0.33	18-19	>810	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.37	Horz(TL)	0.06	12	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.05	19	>999	240	Weight: 747 lb	

LUMBER
TOP CHORD 2 X 8 SYP No.1D *Except* T2 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.1D *Except* B6 2 X 4 SYP No.3, B7 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except* W1 2 X 4 SYP No.2, W14 2 X 4 SYP No.2
2 - Ply

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, Except: 6-0-0 oc bracing: 14-15,13-14.
JOINTS 1 Brace at Jt(s): 5, 7, 11, 1, 23

REACTIONS(lb/size) 22=2574/0-5-8, 12=2051/Mechanical, 18=1804/0-3-8
Max Horz 22=182(load case 5)
Max Uplift22=-533(load case 6), 12=-487(load case 7), 18=-7(load case 4)
Max Grav 22=2574(load case 1), 12=2051(load case 1), 18=1992(load case 12)

FORCES(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-24=-1745/501, 2-24=-1620/512, 2-25=-2295/735, 3-25=-2170/741, 3-26=-2003/904, 4-26=-1884/931, 4-5=-867/679, 5-6=-909/804, 6-7=-915/801, 7-8=-774/737, 8-27=-1945/923, 9-27=-2120/888, 9-10=-1704/751, 10-28=-1696/673, 11-28=-1818/665, 1-22=-2519/759, 11-12=-1976/781
BOT CHORD 21-22=-186/176, 20-21=-375/1521, 19-20=-375/1521, 18-19=-452/1869, 17-18=-449/1842, 16-17=-449/1842, 15-16=-455/1818, 14-15=-115/3, 13-14=-1366/221, 10-13=-46/261, 12-13=-21/59
WEBS 3-19=0/623, 9-15=-331/691, 13-15=-485/2300, 9-13=-1004/198, 1-21=-528/2230, 11-13=-585/1805, 4-23=-1091/357, 8-23=-1558/335, 6-23=-173/175, 5-23=-258/345, 7-23=-183/713, 2-21=-1414/433, 2-19=-270/674

NOTES (13)
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc, 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 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) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) 0-1-12 to 3-6-2, Interior(1) 3-6-2 to 10-7-2, Exterior(2) 10-7-2 to 23-3-14, Interior(1) 23-3-14 to 30-1-14 zone; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
5) Provide adequate drainage to prevent water ponding.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Ceiling dead load (5.0 psf) on member(s). 3-4, 8-9, 4-23, 8-23; Wall dead load (2.5psf) on member(s).3-19, 9-15
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 18-19, 15-18
10) Refer to girder(s) for truss to truss connections.
11) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 533 lb uplift at joint 22, 487 lb uplift at joint 12 and 7 lb uplift at joint 18.
12) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
13) Seqn: 101439142, Date:8/18/2006

LOAD CASE(S) Standard

08/30/2006

Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	B04	ROOF TRUSS	2	2	Job Reference (optional)

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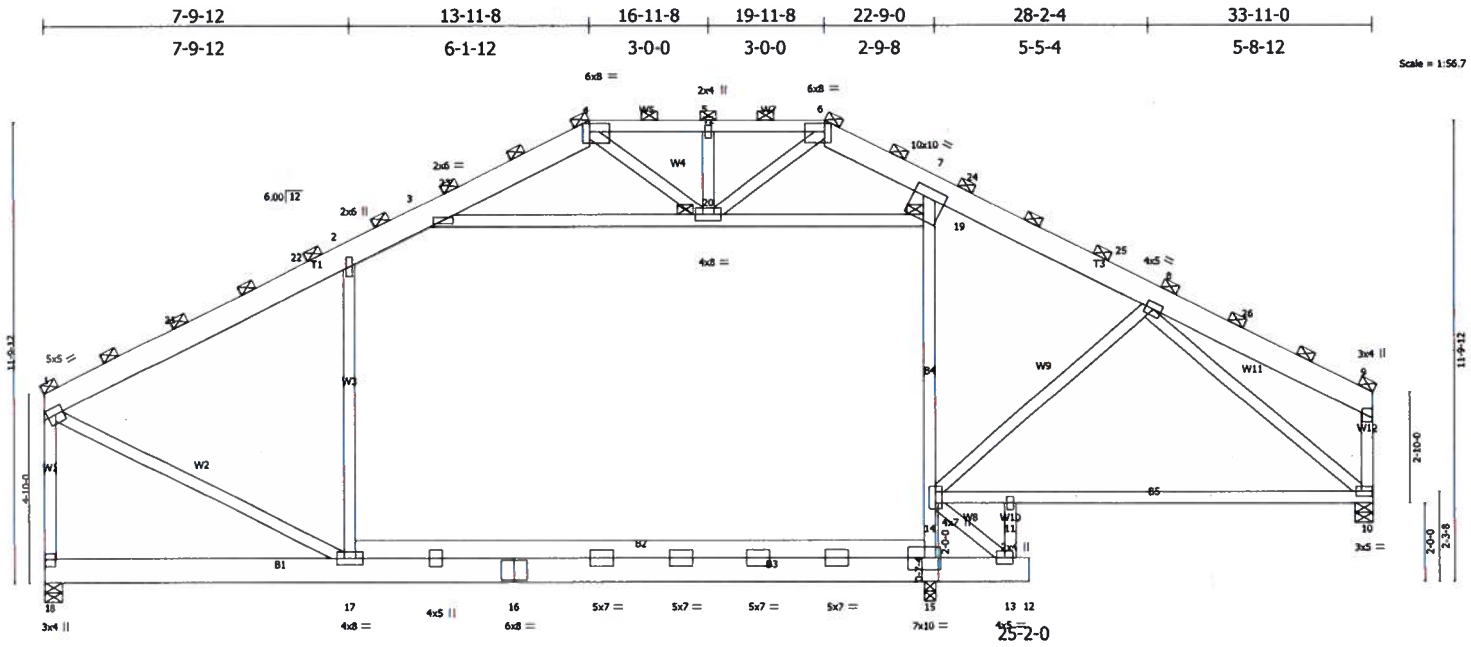

Plate Offsets (X,Y): [1:0-2-8,0-2-4], [4:0-6-0,0-2-8], [6:0-6-0,0-2-8], [7:0-5-0,0-3-0], [10:0-1-12,0-1-8], [15:0-5-0,0-3-4], [17:0-2-4,0-2-0], [18:0-2-4,0-1-8]

LOADING(psf)	SPACING 3-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.44	Vert(LL) -0.18 15-17 >999 360	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.91	Vert(TL) -0.26 10-11 >510 240	
BCLL 0.0	Rep Stress Incr NO	WB 0.46	Horz(TL) 0.08 10 n/a n/a	
BCDL 10.0	Code FBC2004/TPI2002	(Matrix)	Wind(LL) 0.07 17-18 >999 240	Weight: 680 lb

LUMBER
TOP CHORD 2 X 8 SYP No.1D *Except*
T2 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.1D *Except*
B4 2 X 4 SYP No.2, B5 2 X 4 SYP No.2, B2 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.2, W12 2 X 4 SYP No.2
2 - Ply

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.
JOINTS 1 Brace at Jt(s): 4, 6, 9, 1, 19, 20

REACTIONS(lb/size) 18=2616/0-5-8, 10=1974/0-5-8, 15=1282/0-3-8
Max Horz 18=367(load case 5)
Max Uplift18=-504(load case 6), 10=-487(load case 7), 15=-225(load case 4)
Max Grav 18=2616(load case 1), 10=1974(load case 1), 15=1491(load case 12)

FORCES(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-21=-2470/616, 21-22=-2294/616, 2-22=-2230/640, 2-3=-2222/861, 3-23=-1149/696, 4-23=-1076/716, 4-5=-1114/733, 5-6=-1114/733, 6-7=-1118/673, 7-24=-2181/792, 24-25=-2182/788, 8-25=-2296/762, 8-26=-291/130, 9-26=-336/113, 1-18=-2516/661, 9-10=-364/234
BOT CHORD 17-18=-298/256, 16-17=-404/2037, 15-16=-396/2052, 13-15=-372/1619, 12-13=0/0, 14-15=-269/2391, 14-19=-112/420, 7-19=-32/446, 11-14=-520/1723, 10-11=-520/1723
WEBS 2-17=-127/395, 8-14=-72/673, 1-17=-243/2254, 8-10=-2116/725, 3-20=-1103/320, 19-20=-1081/313, 5-20=-116/197, 4-20=-60/269, 6-20=-133/159, 11-13=-435/0, 13-14=-2162/496

NOTES (12)
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc, 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, 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) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) 0-1-12 to 3-6-7, Interior(1) 3-6-7 to 10-6-13, Exterior(2) 10-6-13 to 23-4-3, Interior(1) 23-4-3 to 30-4-9 zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
5) Provide adequate drainage to prevent water ponding.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
8) Ceiling dead load (5.0 psf) on member(s). 2-3, 3-20, 19-20; Wall dead load (2.5psf) on member(s).14-15, 14-19, 2-17
9) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 15-17
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 504 lb uplift at joint 18, 487 lb uplift at joint 10 and 225 lb uplift at joint 15.
11) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
12) Seqn: 101439143, Date:8/18/2006

LOAD CASE(S) Standard

08/30/2006

Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	C01	ROOF TRUSS	1	1	Job Reference (optional)

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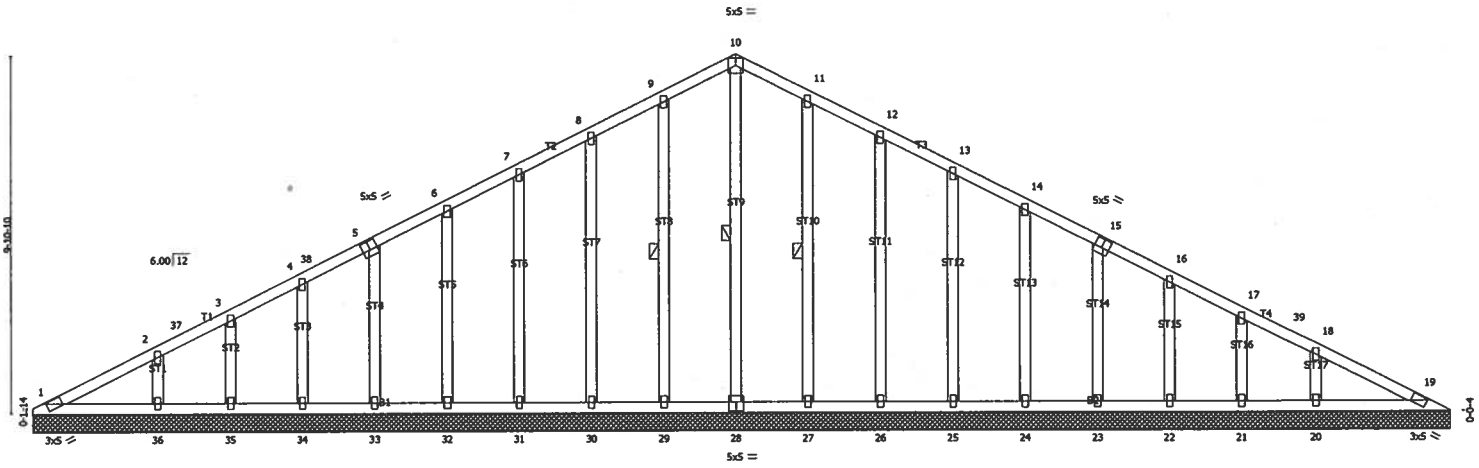
19-5-8 / 19-5-8 — 39-2-4 / 19-8-12

Scale = 1:61.5



39-2-4 / 39-2-4

Plate Offsets (X,Y): [5:0-2-8,0-3-0], [15:0-2-8,0-3-0], [28:0-2-8,0-3-0]

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)	n/a	-	n/a	999	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.11	Horz(TL)	0.01	19	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 251 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3
1 - Ply

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.
WEBS 1 Row at midpt 10-28, 9-29, 11-27

REACTIONS(lb/size) 1=102/39-2-4, 19=102/39-2-4, 28=139/39-2-4, 29=148/39-2-4, 30=148/39-2-4, 31=146/39-2-4, 32=155/39-2-4, 33=145/39-2-4, 34=149/39-2-4, 35=116/39-2-4, 36=239/39-2-4, 27=148/39-2-4, 26=148/39-2-4, 25=146/39-2-4, 24=155/39-2-4, 23=145/39-2-4, 22=149/39-2-4, 21=116/39-2-4, 20=239/39-2-4
Max Horz 1=-166(load case 4)
Max Uplift1=-19(load case 4), 29=-41(load case 6), 30=-66(load case 7), 31=-57(load case 6), 32=-64(load case 6), 33=-58(load case 7), 34=-86(load case 6), 35=-82(load case 6), 36=-161(load case 6), 27=-41(load case 6), 26=-66(load case 7), 25=-57(load case 6), 24=-64(load case 7), 23=-58(load case 6), 22=-79(load case 7), 21=-82(load case 7), 20=-161(load case 7)
Max Grav 1=102(load case 1), 19=102(load case 1), 28=181(load case 7), 29=152(load case 10), 30=148(load case 1), 31=146(load case 10), 32=155(load case 1), 33=145(load case 10), 34=149(load case 1), 35=116(load case 10), 36=239(load case 1), 27=152(load case 11), 26=148(load case 1), 25=146(load case 11), 24=155(load case 1), 23=145(load case 11), 22=149(load case 1), 21=116(load case 11), 20=239(load case 1)

FORCES(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-193/58, 2-37=-138/73, 3-37=-132/80, 3-4=-105/97, 4-38=-68/108, 5-38=-62/114, 5-6=-37/157, 6-7=-36/228, 7-8=-35/292, 8-9=-35/386, 9-10=-35/479, 10-11=-35/479, 11-12=-35/386, 12-13=-35/292, 13-14=-36/228, 14-15=-37/157, 15-16=-37/94, 16-17=-39/28, 17-39=-62/10, 18-39=-69/3, 18-19=-183/30
BOT CHORD 1-36=0/232, 35-36=0/232, 34-35=0/232, 33-34=0/232, 32-33=0/237, 31-32=0/237, 30-31=0/237, 29-30=0/237, 28-29=0/237, 27-28=0/237, 26-27=0/237, 25-26=0/237, 24-25=0/237, 23-24=0/237, 22-23=0/232, 21-22=0/232, 20-21=0/232, 19-20=0/232
WEBS 10-28=-211/0, 9-29=-112/191, 8-30=-108/192, 7-31=-106/126, 6-32=-115/144, 5-33=-106/132, 4-34=-105/132, 3-35=-90/106, 2-36=-162/308, 11-27=-112/191, 12-26=-108/192, 13-25=-106/126, 14-24=-115/144, 15-23=-106/132, 16-22=-105/132, 17-21=-90/106, 18-20=-162/308

NOTES (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Corner(3) 0-6-15 to 4-5-15, Exterior(2) 4-5-15 to 15-9-12, Corner(3) 15-9-12 to 19-8-12, Exterior(2) 23-7-12 to 34-11-9 zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) All plates are 2x4 MT20 unless otherwise indicated.
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 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 1, 41 lb uplift at joint 29, 66 lb uplift at joint 30, 57 lb uplift at joint 31, 64 lb uplift at joint 32, 58 lb uplift at joint 33, 86 lb uplift at joint 34, 82 lb uplift at joint 35, 161 lb uplift at joint 36, 41 lb uplift at joint 27, 66 lb uplift at joint 26, 57 lb uplift at joint 25, 64 lb uplift at joint 24, 58 lb uplift at joint 23, 79 lb uplift at joint 22, 82 lb uplift at joint 21 and 161 lb uplift at joint 20.
10) Seqn: 101439144, Date:8/18/2006

LOAD CASE(S) Standard

08/30/2006

Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	C02	ATTIC	5	1	Job Reference (optional)

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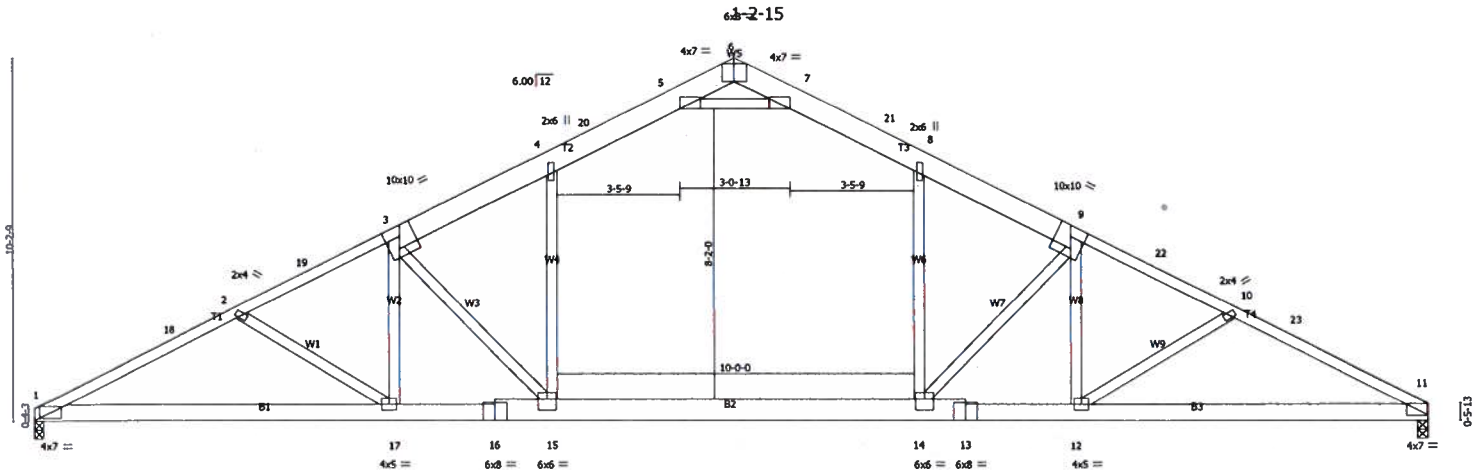
20-11-11

5-10-5	10-1-12	14-7-0	18-5-13	19-8-12	24-10-8	29-3-12	33-7-3	39-2-4
5-10-5	4-3-8	4-5-4	3-10-13	1-2-15	3-10-13	4-5-4	4-3-8	5-7-1

Scale = 1:62.4



10-1-12	14-7-0	24-10-8	29-3-12	39-2-4
10-1-12	4-5-4	10-3-8	4-5-4	9-10-8

Plate Offsets (X,Y): [4:0-4-6,0-0-8], [6:0-4-0,Edge], [8:0-4-6,0-0-8], [14:0-3-0,0-3-12], [15:0-3-0,0-3-12]

LOADING(psf)		SPACING	2-0-0	CSI		DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.91	Vert(LL)	-0.47 14-15	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.81 14-15	>574	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.88	Horz(TL)	0.11 11	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.25 14-15	>999	240	Weight: 272 lb	

LUMBER
TOP CHORD 2 X 8 SYP No.1D *Except*
T1 2 X 4 SYP No.1D, T4 2 X 4 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D *Except*
B2 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3
1 - Ply

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-11-14 oc bracing.

REACTIONS(lb/size) 1=1934/Mechanical, 11=1942/0-3-8
Max Horz 1=167(load case 5)
Max Uplift1=-433(load case 6), 11=-431(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-18=-3842/1030, 2-18=-3747/1040, 2-19=-3600/912, 3-19=-3504/927, 3-4=-3226/818, 4-20=-2536/755, 5-20=-2446/775, 5-6=-264/1684, 6-7=-263/1677, 7-21=-2454/777, 8-21=-2544/756, 8-9=-3217/816, 9-22=-3435/912, 10-22=-3531/897, 10-23=-3619/1007, 11-23=-3718/997
BOT CHORD 1-17=-831/3373, 16-17=-618/3197, 15-16=-616/3203, 14-15=-393/2675, 13-14=-603/3145, 12-13=-605/3138, 11-12=-793/3228
WEBS 5-7=-4558/1167, 4-15=-181/1296, 8-14=-174/1258, 3-15=-919/346, 3-17=-108/377, 2-17=-210/293, 9-14=-839/337, 9-12=-142/330, 10-12=-120/268

NOTES (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) 0-1-8 to 4-0-8, Interior(1) 4-0-8 to 15-9-12, Exterior(2) 15-9-12 to 19-8-12, Interior(1) 23-7-12 to 35-1-8 zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Ceiling dead load (5.0 psf) on member(s). 4-5, 7-8, 5-7; Wall dead load (2.5psf) on member(s).4-15, 8-14
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 14-15
7) Refer to girder(s) for truss to truss connections.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 433 lb uplift at joint 1 and 431 lb uplift at joint 11.
9) Seqn: 101439145, Date:8/18/2006

LOAD CASE(S) Standard

08/30/2006

Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

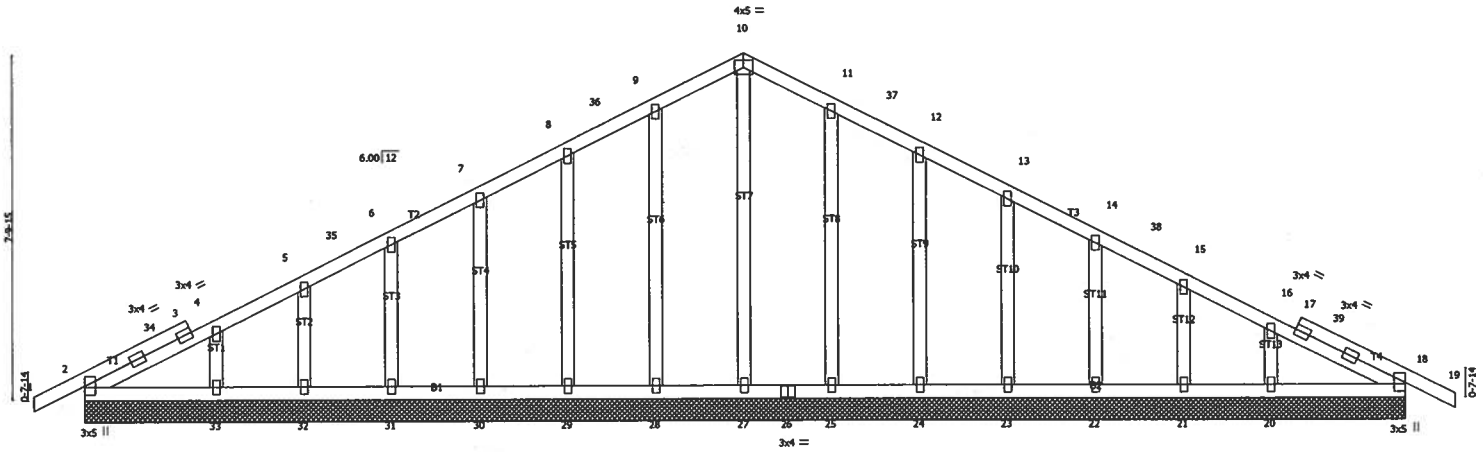
Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	D01	DROP TC GABLE	1	1	Job Reference (optional)

Stock Building Supply, Groveland, FL 34736 — 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 07:40:48 2006 Page 1

1-1-12 | 15-0-0 | 30-0-0 | 31-1-12

1-1-12 | 15-0-0 | 15-0-0 | 1-1-12

Scale = 1:50.6



30-0-0

30-0-0

Plate Offsets (X,Y): [2:Edge,0-0-0], [18:Edge,0-7-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.00	19	n/r	90	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.00	18	n/r	90		
BCLL	0.0	Rep Stress Incr	NO	WB	0.12	Horz(TL)	0.01	18	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 185 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3
1 - Ply

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=179/30-0-0, 18=179/30-0-0, 27=136/30-0-0, 28=148/30-0-0, 29=148/30-0-0, 30=147/30-0-0, 31=150/30-0-0, 32=139/30-0-0, 33=193/30-0-0, 25=148/30-0-0, 24=148/30-0-0, 23=147/30-0-0, 22=150/30-0-0, 21=139/30-0-0, 20=193/30-0-0
Max Horz 2=-127(load case 4)
Max Uplift 2=-91(load case 6), 18=-103(load case 7), 28=-47(load case 6), 29=-64(load case 7), 30=-58(load case 7), 31=-62(load case 6), 32=-96(load case 6), 33=-118(load case 6), 25=-47(load case 6), 24=-64(load case 7), 23=-58(load case 6), 22=-62(load case 7), 21=-97(load case 7), 20=-117(load case 7)
Max Grav 2=179(load case 1), 18=179(load case 1), 27=140(load case 7), 28=152(load case 10), 29=148(load case 1), 30=147(load case 10), 31=150(load case 1), 32=139(load case 1), 33=193(load case 10), 25=152(load case 11), 24=148(load case 1), 23=147(load case 11), 22=150(load case 1), 21=139(load case 1), 20=193(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/12, 2-34=-146/44, 3-34=-139/51, 3-4=-137/54, 4-5=-97/71, 5-35=-61/83, 6-35=-57/90, 6-7=-38/132, 7-8=-38/197, 8-36=-38/269, 9-36=-14/273, 9-10=-38/366, 10-11=-38/366, 11-37=-14/273, 12-37=-38/269, 12-13=-38/197, 13-14=-38/132, 14-38=-14/63, 15-38=-38/59, 15-16=-41/15, 16-17=-93/27, 17-39=-96/2, 18-39=-103/0, 18-19=0/12
BOT CHORD 2-33=0/188, 32-33=0/188, 31-32=0/188, 30-31=0/188, 29-30=0/188, 28-29=0/188, 27-28=0/188, 26-27=0/188, 25-26=0/188, 24-25=0/188, 23-24=0/188, 22-23=0/188, 21-22=0/188, 20-21=0/188, 18-20=0/188
WEBS 10-27=-121/0, 9-28=-112/191, 8-29=-108/152, 7-30=-108/130, 6-31=-109/137, 5-32=-104/129, 4-33=-137/182, 11-25=-112/191, 12-24=-108/152, 13-23=-108/130, 14-22=-109/137, 15-21=-104/129, 16-20=-137/182

NOTES (10)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Corner(3) -1-1-12 to 1-10-4, Exterior(2) 1-10-4 to 12-0-0, Corner(3) 12-0-0 to 15-0-0, Exterior(2) 18-0-0 to 28-1-12 zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) All plates are 2x4 MT20 unless otherwise indicated.
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 2-0-0 oc.
8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 91 lb uplift at joint 2, 103 lb uplift at joint 18, 47 lb uplift at joint 28, 64 lb uplift at joint 29, 58 lb uplift at joint 30, 62 lb uplift at joint 31, 96 lb uplift at joint 32, 118 lb uplift at joint 33, 47 lb uplift at joint 25, 64 lb uplift at joint 24, 58 lb uplift at joint 23, 62 lb uplift at joint 22, 97 lb uplift at joint 21 and 117 lb uplift at joint 20.
10) Seqn: 101439146, Date:8/18/2006

LOAD CASE(S) Standard

08/30/2006

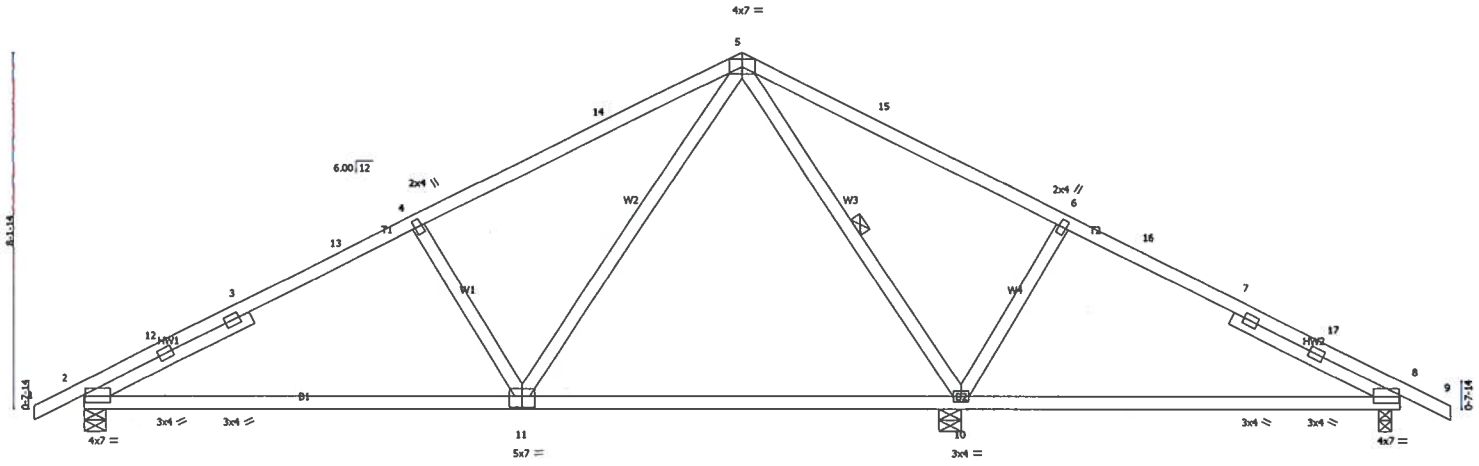
Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	D02	ROOF TRUSS	14	1	Job Reference (optional)

Stock Building Supply, Groveland, FL 34736 — 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 07:40:50 2006 Page 1

1-1-12	7-8-0	15-0-0	22-4-0	30-0-0	31-1-12
1-1-12	7-8-0	7-4-0	7-4-0	7-8-0	1-1-12

Scale = 1:50.6



10-0-0	19-9-0	20-0-0	29-9-12	30-0-0
10-0-0	9-9-0	0-3-0	9-9-12	0-2-4

Plate Offsets (X,Y): [2:0-0-3,0-2-3], [8:0-0-3,0-2-3], [11:0-3-8,0-3-0]

LOADING(psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.14	2-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.37	2-11	>646	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.09	2-11	>999	240	Weight: 152 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.2 4-2-12, Right 2 X 4 SYP No.2 4-2-12
1 - Ply

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-8-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-10

REACTIONS(lb/size) 2=810/0-6-0, 10=1085/0-6-0, 8=449/0-3-8
Max Horz 2=-133(load case 4)
Max Uplift2=-382(load case 6), 10=-243(load case 6), 8=-324(load case 7)
Max Grav 2=810(load case 1), 10=1085(load case 1), 8=461(load case 11)

FORCES(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/12, 2-12=-1088/460, 3-12=-1047/466, 3-13=-1007/470, 4-13=-934/484, 4-14=-892/479, 5-14=-786/492, 5-15=-71/308, 6-15=-178/283, 6-16=-223/300, 7-16=-298/286, 7-17=-323/284, 8-17=-377/277, 8-9=0/12
BOT CHORD 2-11=-287/901, 10-11=-30/387, 8-10=-116/278
WEBS 4-11=-385/309, 5-11=-206/638, 5-10=-626/249, 6-10=-413/318

NOTES (6)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) -1-1-12 to 1-10-4, Interior(1) 1-10-4 to 12-0-0, Exterior(2) 12-0-0 to 15-0-0, Interior(1) 18-0-0 to 28-1-12 zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 382 lb uplift at joint 2, 243 lb uplift at joint 10 and 324 lb uplift at joint 8.
6) Seqn: 101439147, Date:8/18/2006

LOAD CASE(S) Standard

08/30/2006

Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	D03	ROOF TRUSS	4	1	Job Reference (optional)

Stock Building Supply, Groveland, FL 34736 — 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 07:40:51 2006 Page 1

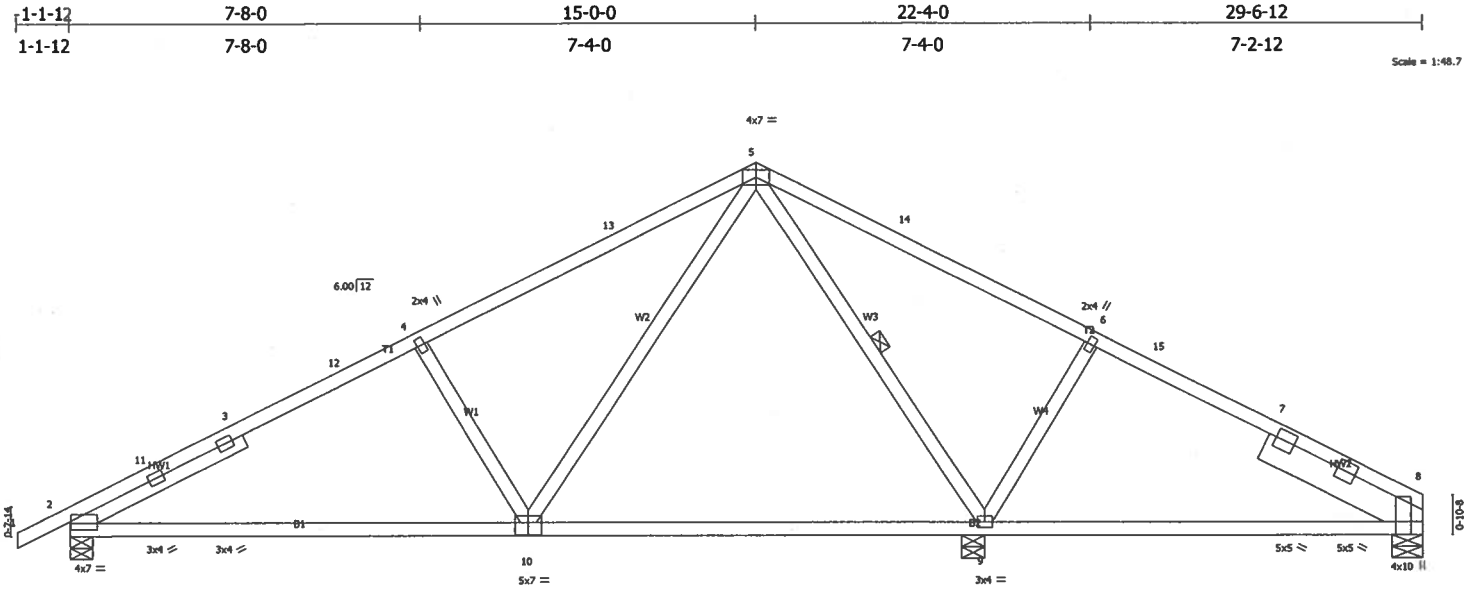


Plate Offsets (X,Y): [2:0-0-3,0-2-3], [8:0-6-9,Edge], [10:0-3-8,0-3-4]

LOADING(psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	-0.14	2-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.37	2-10	>656	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.09	2-10	>999	240	Weight: 154 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.2 4-2-12, Right 2 X 8 SYP No.1D 3-10-1
1 - Ply

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-9

REACTIONS(lb/size) 8=396/0-8-0, 2=824/0-6-0, 9=1029/0-6-0
Max Horz 2=142(load case 5)
Max Uplift8=-268(load case 7), 2=-387(load case 6), 9=-223(load case 6)
Max Grav 8=403(load case 11), 2=824(load case 1), 9=1029(load case 1)

FORCES(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/12, 2-11=-1117/499, 3-11=-1076/504, 3-12=-1035/509, 4-12=-963/522, 4-13=-921/517, 5-13=-815/531, 5-14=-108/367, 6-14=-215/342, 6-15=-258/358, 7-15=-334/345, 7-8=-407/341
BOT CHORD 2-10=-317/926, 9-10=-59/413, 8-9=-179/304
WEBS 4-10=-383/308, 5-10=-205/639, 5-9=-590/183, 6-9=-395/321

NOTES (6)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) -1-1-12 to 1-10-4, Interior(1) 1-10-4 to 12-0-0, Exterior(2) 12-0-0 to 15-0-0, Interior(1) 18-0-0 to 26-6-12 zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 268 lb uplift at joint 8, 387 lb uplift at joint 2 and 223 lb uplift at joint 9.
6) Seqn: 101439148, Date:8/18/2006

LOAD CASE(S) Standard

08/30/2006

Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd.; Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	D04	ROOF TRUSS	1	1	Job Reference (optional)

Stock Building Supply, Groveland, FL 34736 — 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 07:40:53 2006 Page 1

1-1-12	7-8-0	15-0-0	22-4-0	29-6-12
1-1-12	7-8-0	7-4-0	7-4-0	7-2-12

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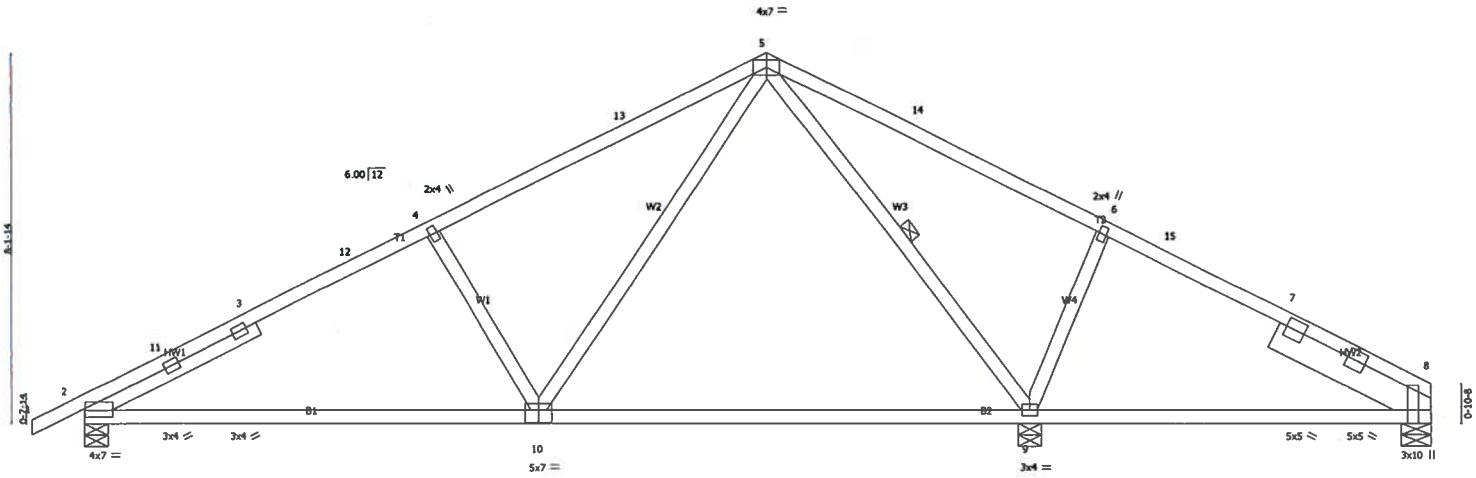

10-0-0	20-9-0	29-6-12
10-0-0	10-9-0	8-9-12

Plate Offsets (X,Y): [2:0-0-3,0-2-3], [8:0-6-9,Edge], [10:0-3-8,0-3-4]

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)	-0.18	9-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.44	9-10	>563	240		
BCLL	0.0	Rep Stress Incr	YES	WB	0.31	Horz(TL)	0.03	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.09	2-10	>999	240	Weight: 154 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.2 4-2-12, Right 2 X 8 SYP No.1D 3-10-1
1 - Ply

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-9

REACTIONS (lb/size) 8=374/0-8-0, 2=852/0-6-0, 9=1024/0-6-0
Max Horz 2=142(load case 5)
Max Uplift8=-272(load case 7), 2=-396(load case 6), 9=-212(load case 6)
Max Grav 8=378(load case 11), 2=852(load case 1), 9=1024(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/12, 2-11=-1178/525, 3-11=-1138/530, 3-12=-1094/534, 4-12=-1023/548, 4-13=-982/543, 5-13=-876/557, 5-14=-134/413, 6-14=-240/388, 6-15=-223/358, 7-15=-300/345, 7-8=-374/341
BOT CHORD 2-10=-340/978, 9-10=-86/463, 8-9=-179/272
WEBS 4-10=-379/308, 5-10=-198/648, 5-9=-576/143, 6-9=-392/324

NOTES (6)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) -1-1-12 to 1-10-4, Interior(1) 1-10-4 to 12-0-0, Exterior(2) 12-0-0 to 15-0-0, Interior(1) 18-0-0 to 26-6-12 zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 272 lb uplift at joint 8, 396 lb uplift at joint 2 and 212 lb uplift at joint 9.
6) Seqn: 101439149, Date:8/18/2006

LOAD CASE(S) Standard

08/30/2006

Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
Stock Building Supply
220 W. Brandon Blvd., Suite 204, Brandon, FL 33511

Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	D05	ROOF TRUSS	1	2	Job Reference (optional)

Stock Building Supply, Groveland, FL 34736 — 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 07:40:54 2006 Page 1

-1-1-12	5-4-7	10-2-3	15-0-0	19-9-13	22-8-0
1-1-12	5-4-7	4-9-13	4-9-13	4-9-13	2-10-3

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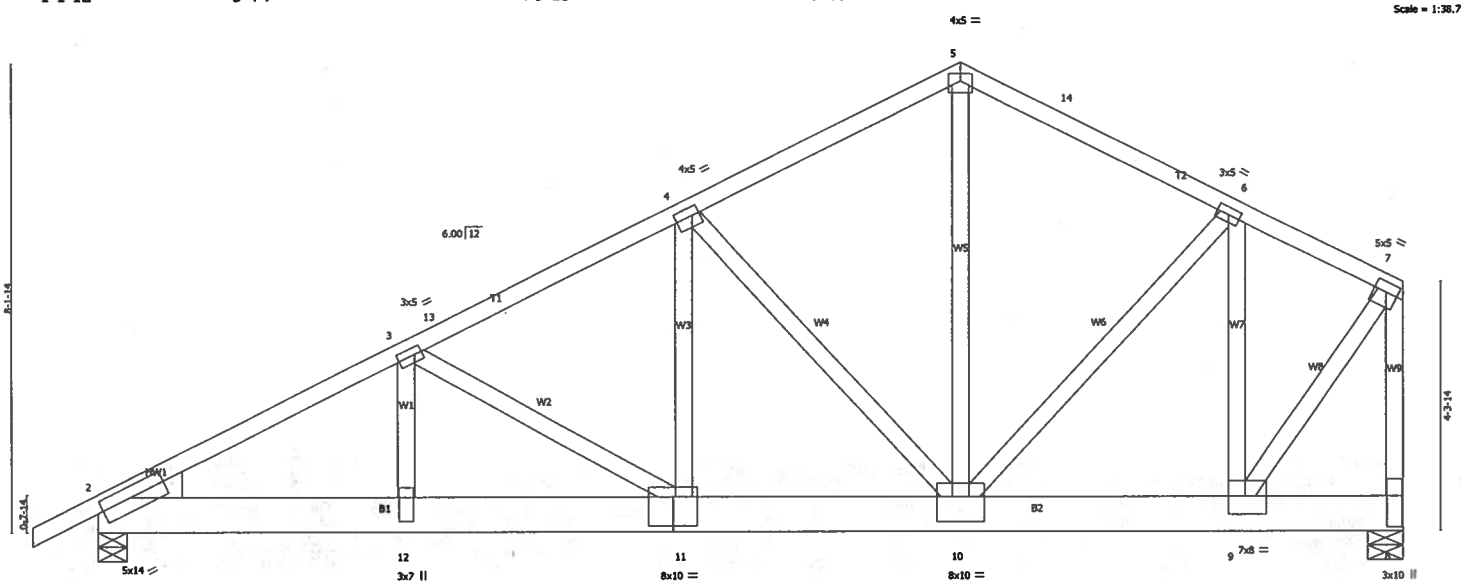

5-4-7	10-2-3	15-0-0	19-9-13	22-8-0
5-4-7	4-9-13	4-9-13	4-9-13	2-10-3

Plate Offsets (X,Y): [2:0-1-3,0-2-4], [3:0-1-8,0-1-8], [4:0-1-8,0-1-12], [5:0-2-8,0-1-8], [7:0-2-8,0-2-0], [8:0-6-8,0-1-8], [9:0-3-8,0-3-12], [10:0-5-0,0-5-4], [11:0-5-0,0-6-0], [12:0-5-0,0-1-8]

LOADING(psf)		SPACING	2-0-0	CSI		DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.87	Vert(LL)	-0.16 11-12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.37 11-12	>721	240		
BCLL	0.0	Rep Stress Incr	NO	WB	0.99	Horz(TL)	0.07 8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)		Wind(LL)	0.22 11-12	>999	240	Weight: 360 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W9 2 X 4 SYP No.2, W8 2 X 4 SYP No.2
WEDGE
Left: 2 X 6 SYP No.2
2 - Ply

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-8-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-15 oc bracing.

REACTIONS(lb/size) 2=8819/0-6-0, 8=8739/0-7-4
Max Horz 2=233(load case 5)
Max Uplift2=-4289(load case 5), 8=-4209(load case 6)

FORCES(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/20, 2-3=-14048/6666, 3-13=-10444/4981, 4-13=-10386/4997, 4-5=-6618/3244, 5-14=-6506/3234, 6-14=-6599/3223, 6-7=-4588/2221, 7-8=-7904/3814
BOT CHORD 2-12=-5929/12211, 11-12=-5929/12211, 10-11=-4441/9289, 9-10=-1939/4047, 8-9=-47/96
WEBS 3-12=-1713/3668, 3-11=-3407/1733, 4-11=-2504/5215, 4-10=-5075/2483, 5-10=-2698/5546, 6-10=-1260/2731, 6-9=-3015/1488, 7-9=-3336/6968

NOTES (8)
1) 2-ply truss to be connected together with 10d (0.131"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 0-7-0 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) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 4289 lb uplift at joint 2 and 4209 lb uplift at joint 8.
8) Seqn: 101439150, Date:8/18/2006

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-7=-54, 2-8=-731(F=-711)

08/30/2006

Truss Design Engineer: Steven Lieberman, P.E. (FL License # 58912)
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Job	Truss	Truss Type	Qty	Ply	Rye Construction / R10 Milligan
B12493	PB1	PIGGYBACK	14	1	Job Reference (optional)

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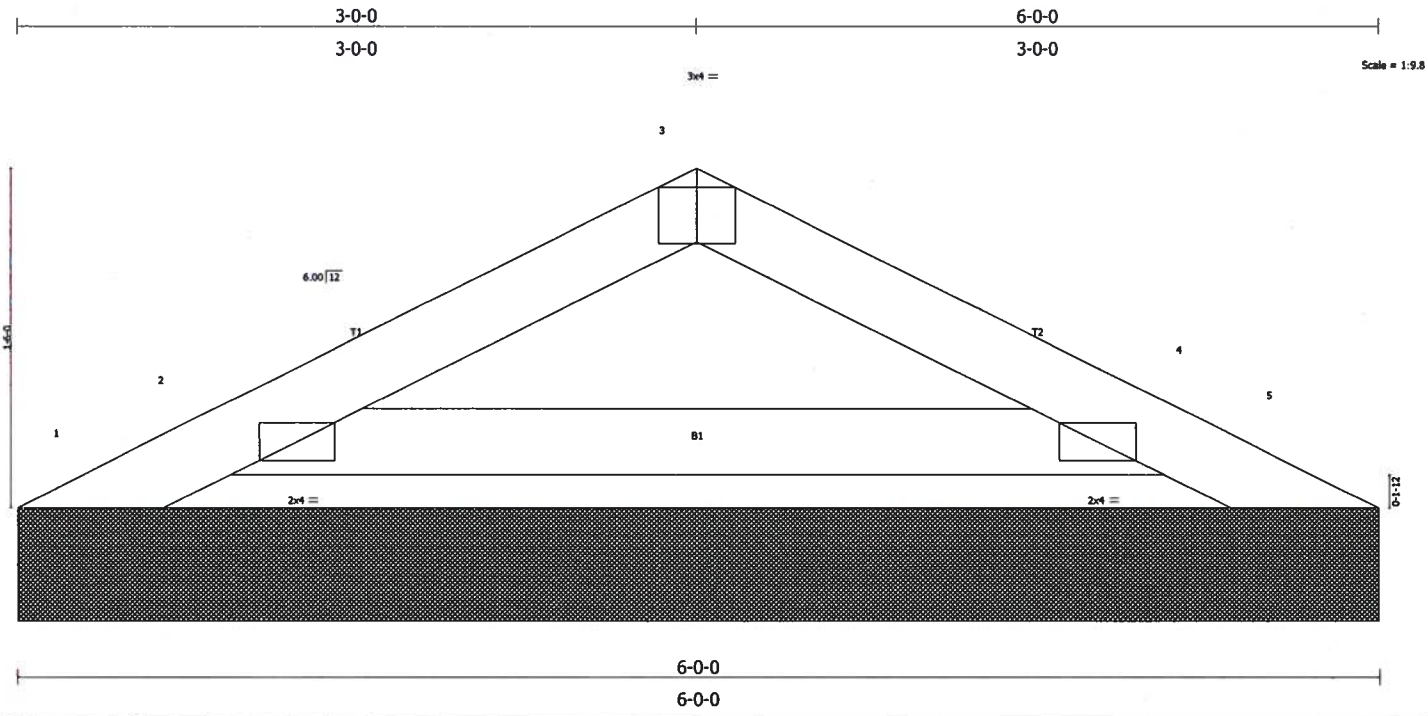

Plate Offsets (X,Y): [3:0-2-0,Edge]

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	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 16 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
1 - Ply

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=-18/6-0-0, 5=-18/6-0-0, 2=217/6-0-0, 4=217/6-0-0
Max Horz 1=-23(load case 4)
Max Uplift1=-18(load case 1), 5=-18(load case 1), 2=-125(load case 6), 4=-125(load case 6)
Max Grav 1=29(load case 6), 5=29(load case 6), 2=217(load case 1), 4=217(load case 1)

FORCES(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-32/28, 2-3=-126/135, 3-4=-126/135, 4-5=-18/28
BOT CHORD 2-4=-42/85

NOTES (9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 120mph (3-second gust); h=30ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS automatic zone and C-C Exterior(2) zone; cantilever left and right exposed ; end vertical left exposed; Lumber DOL=1.33 plate grip DOL=1.33. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Gable requires continuous bottom chord bearing.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1, 18 lb uplift at joint 5, 125 lb uplift at joint 2 and 125 lb uplift at joint 4.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 4.
8) N/A
9) Seqn: 101439157, Date:8/18/2006

LOAD CASE(S) Standard

08/30/2006

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