DATE 04/23/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000025734

APPLICANT WILLIAM BROWN PHONE 386-365-3450

ADDRESS 1076 SW HIGH FIELD TERR LAKE CITY FL 32024

OWNER WILLIAM BROWN PHONE 386-365-3450

ADDRESS 1076 SW HIGH FIELD TERR LAKE CITY FL 32024

CONTRACTOR OWNER BUILDER PHONE

LOCATION OF PROPERTY 441 S, R 131,TR ON MEADOWLANDS DR, TR ON HIGH FIELD, ON LEFT AT END

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 80050.00

HEATED FLOOR AREA 1601.00 TOTAL AREA 2400.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 17

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

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

PARCEL ID 36-5S-16-03761-158 SUBDIVISION MEADOWLANDS

LOT 58 BLOCK PHASE 4 UNIT TOTAL ACRES

000001371 | | | Applicant/Owner/Contractor

Culvert Permit No. | Culvert Waiver | Contractor's License Number

CULVERT | 07-241 | BK | JH | Y

Driveway Connection | Septic Tank Number | LU & Zoning checked by | Approved for Issuance | New Resident

COMMENTS: PLAT REQUIRES MFE TO BE AT 80 FT, ELEVATION LETTER REQUIRED BEFORE SLAB, NOC ON FILE

Check # or Cash 3802

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power date/app. by | Foundation date/app. by | Monolithic (footer/Slab) 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 $ 405.00 CERTIFICATION FEE $ 12.00 SURCHARGE FEE $ 12.00

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 529.00

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.

Ck# 3802 Spoke w/ Mr Brown 4/4/07

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0704-07 Date Received 4-4-07 By LH Permit # 13709/25734

Application Approved by - Zoning Official BLK Date 10.04.07 Plans Examiner OK JTH Date 4-5-07

Flood Zone X per plat Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments Plat Requires MFE to be at 80.0ft. Elevation Letter Required before S/AB

Applicants Name William Brown Phone 386-365-3450

Address 1076 SW High Field Terr. Lake City, FL 32024

Owners Name Same Phone

911 Address Same

Contractors Name Owner Builder Phone

Address Same

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Mark Disbrow 754-5419

Mortgage Lenders Name & Address CASH

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

Property ID Number 36-5S-16-03761-158 Estimated Cost of Construction $120,000.00

Subdivision Name Meadowlands Lot 58 Block Unit Phase 4

Driving Directions 41 South to Twykenagee (South) about 13 miles to Meadowlands S/D (Rt) Meadowlands Dr. to High Field Terr. Rt to property on left

Type of Construction Residential (SFD) Number of Existing Dwellings on Property 0

Total Acreage 5 Lot Size Do you need a (Culvert Permit) or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 275 Side 149 Side 140 Rear 329

Total Building Height 17' Number of Stories 1 Heated Floor Area 1601 Roof Pitch 6-12

TOTAL 2400

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.

William E Brown

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number MARK HADDOX

Competency Card Number MY COMMISSION # DD 523745 EXPIRES: March 1, 2010 Bonded Thru Notary Public Underwriters

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 2 day of April 2007.

Personally known X or Produced Identification

Notary Signature

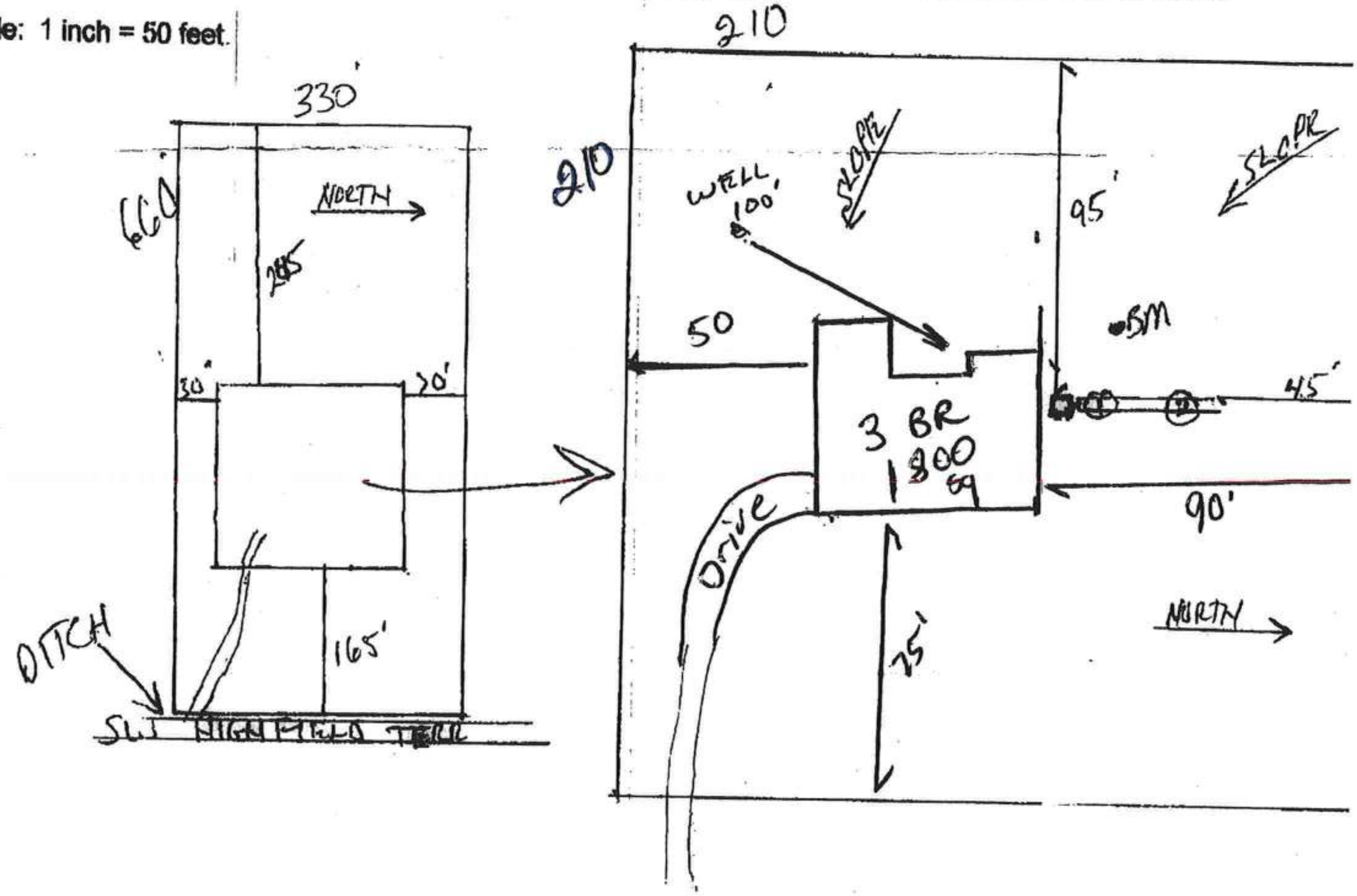
William Brown 0704-07/25734

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-331E

---------- PART II - SITEPLAN ----------

Scale: 1 inch = 50 feet.



Notes: 1 of 5 Acres

Site Plan submitted by: [signature] **MASTER CONTRACTOR**

Plan Approved ✓ Not Approved _____ Date 4/25/07

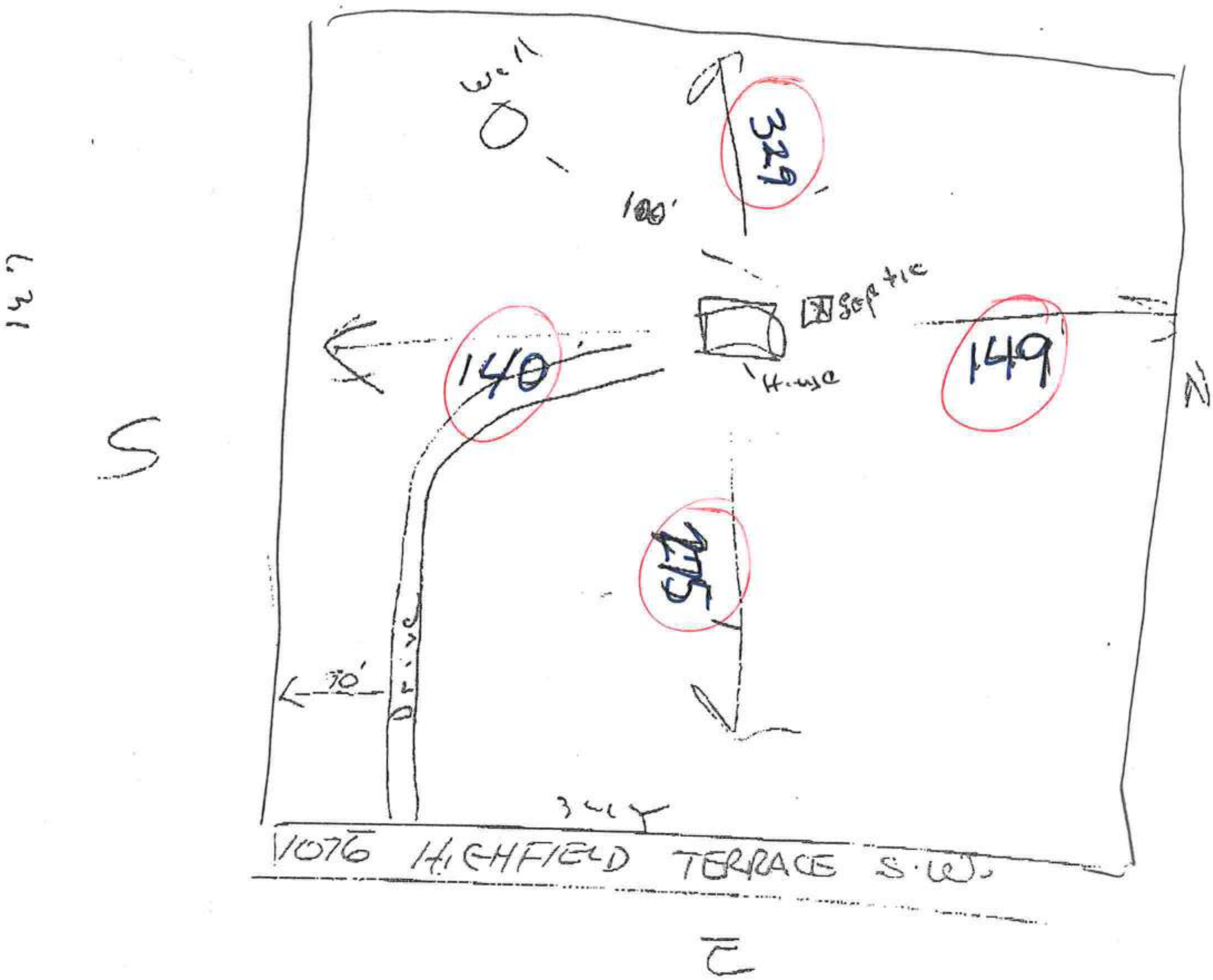
By [signature] Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/96 (Replaces HRS-H Form 4016 which may be used)
(Stock Number: 5744-002-4015-6)

Site Plan

41 South to Tuskeegee South
to Meadowland S/D court
Rt on Meadowlands Dr to
Highfield Terrace (Rt)
(W)



to property on left.

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: 3/5/2007 **DATE ISSUED:** 3/5/2007

ENHANCED 9-1-1 ADDRESS:

1076 SW HIGH FIELD TER

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

36-5S-16-03761-158

Remarks:

LOT 58 MEADOWLANDS S/D PHASE 4

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.

650

Approved Address

MAR 0 5 2007

911Addressing/GIS Dept

This Instrument Prepared by & return to:
Name: *Buntic Jenkins, an employee of TITLE OFFICES, LLC*
Address: *343 NW COLE TERRACE, SUITE 105 LAKE CITY, FLORIDA 32055 File No. 07Y-02036HS*

Inst:200700005521 Date:03/08/2007 Time:09:16
Doc Stamp-Deed : 455.00
DC,P.DeWitt Cason,Columbia County B:1113 P:72

Parcel I.D. #: 03761-158

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

THIS WARRANTY DEED *Made the 5th day of March, A.D. 2007, by*

ANDREW HOWELL and JULIANN HOWELL, HIS WIFE, hereinafter called the grantors, to

WILLIAM E. BROWN, Single *whose post office address is*

1260 NOTTINGHAM DR., NAPLES, FL 34104, hereinafter called the grantee:

(Wherever used herein the terms "grantors" and "grantee" 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 grantee all that certain land situate in Columbia County, State of Florida, viz:*

Lot 58, MEADOWLANDS, Phase 4, according to the map or plat thereof as recorded in Plat Book 8, Page 11-14, of the Public Records of Columbia County, Florida.

The above described property is not the homestead property 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 grantee 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
Brenda Styons
Printed Name

Witness Signature
Reginn Simpkins
Printed Name

Andrew Howell *L.S.*
ANDREW HOWELL
Address:
331 ASHBURTONWAY, KISSIMMEE, FL 34758

Juliann Howell *L.S.*
JULIANN HOWELL
Address:
331 ASHBURTONWAY, KISSIMMEE, FL 34758

STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 5th day of March, 2007, by ANDREW HOWELL and JULIANN HOWELL, who are known to me or who have produced drivers license *as identification.*

Notary Public
BRENDA STYONS
MY COMMISSION # DD 267706
EXPIRES: February 5, 2008
Bonded Thru Budget Notary Services

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By Rose Ann Mullis
Deputy Clerk
Date March 12 2007

CLERK CIRCUIT COURT
COLUMBIA COUNTY, FLORIDA

NOTORIZED DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THER OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed $75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F .I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

(✓) Single Family Dwelling
( ) Two-Family Residence
( ) Farm Outbuilding
( ) Other_____

NEW CONSTRUCTION OR IMPROVEMENT

( ) New Construction
( ) Addition, Alteration, Modification or other Improvement

I WILLIAM E. BROWN, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

William E Brown 04/04/07

Owner Builder Signature Date

The above signer is personally known to me or produced identification Drivers License

LAURIE HODSON
MY COMMISSION # DD 333503
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

Notary Signature Laurie Hodson Date 4-4-07 (Stamp / Seal)

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date 4-4-07 Building Official/Representative Laurie Hodson

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF

Inst:2007007657 Date:04/04/2007 Time:11:39
S.T. DC,P.DeWitt Cason,Columbia County B:1115 P:1736

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

1. Description of Property: 5 Acres - 36-55-16-03761-158

2. General Description of Improvement: Single Family Home

3. **Owner Information:**
   a. Name and Address: William Brown
   3745 FIELDSTONE BLVD. APT 105 NAPLES FL. 34109
   b. Interest in Property: owner
   c. Name and Address of Fee Simple Titleholder (if other than owner):

4. Contractor (name and address): owner Builder

5. **Surety:**
   a. Name and Address: WILLIAM. E. BROWN
   3745 FIELDSTONE BLVD. APT 105 NAPLES FL. 34109
   b. Amount of Bond:

6. Lender (name and address):

7. Persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Florida Statutes 713.13(1)(a)(7): WILLIAM. E BROWN

8. In addition to himself, owner designates:

to receive a copy of the Leinor's Notice as provided in Florida Statutes 713.13(1)(b).

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

WILLIAM E. BROWN
Type Owner Name:
Type Owner Name:

Sworn to and subscribed before me this 2 day of April, 2007.

Personally Known X
Produced ID
Did/Did Not Take an Oath

Type Notary's Name Mark Haddox
Notary Public, State of Florida
Commission Expiry & Number

MARK HADDOX
MY COMMISSION # DD 523745
EXPIRES: March 1, 2010
Bonded Thru Notary Public Underwriters

Directions

41 South to Twskmagee (South)
to Meadowland S/D on Right
turn onto Meadowlands Dr. to
High Field Terr (Rt) to property
on Right.

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

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**WOODMAN - WILLIAM BROWN**	Builder:	**WOODMAN PARK BUILDERS**
Address:		Permitting Office:	**COLUMBIA COUNTY**
City, State:	,	Permit Number:	25734
Owner:	**WILLIAM BROWN**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 36.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	1601 ft²	13. Heating systems	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 36.0 kBtu/hr
a. U-factor: (or Single or Double DEFAULT)	Description Area 7a. (Dble, U=0.9) 60.0 ft²		HSPF: 8.20
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 194.5 ft²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 169.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.93
9. Wall types		b. N/A	
a. Concrete, Int Insul, Exterior	R=11.0, 1192.5 ft²	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
b. Concrete, Int Insul, Adjacent	R=11.0, 75.0 ft²	15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 1601.0 ft²		
b. N/A			
c. N/A			
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 170.0 ft		
b. N/A			

Glass/Floor Area: 0.12

Total as-built points: 18942
Total base points: 22780

PASS

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

PREPARED BY: Larry Rasmondo A/c

DATE: March 28, 2007

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

OWNER/AGENT: _____

DATE: _____

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

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.

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T13	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Jun 04 08:57:13 2007 Page 1

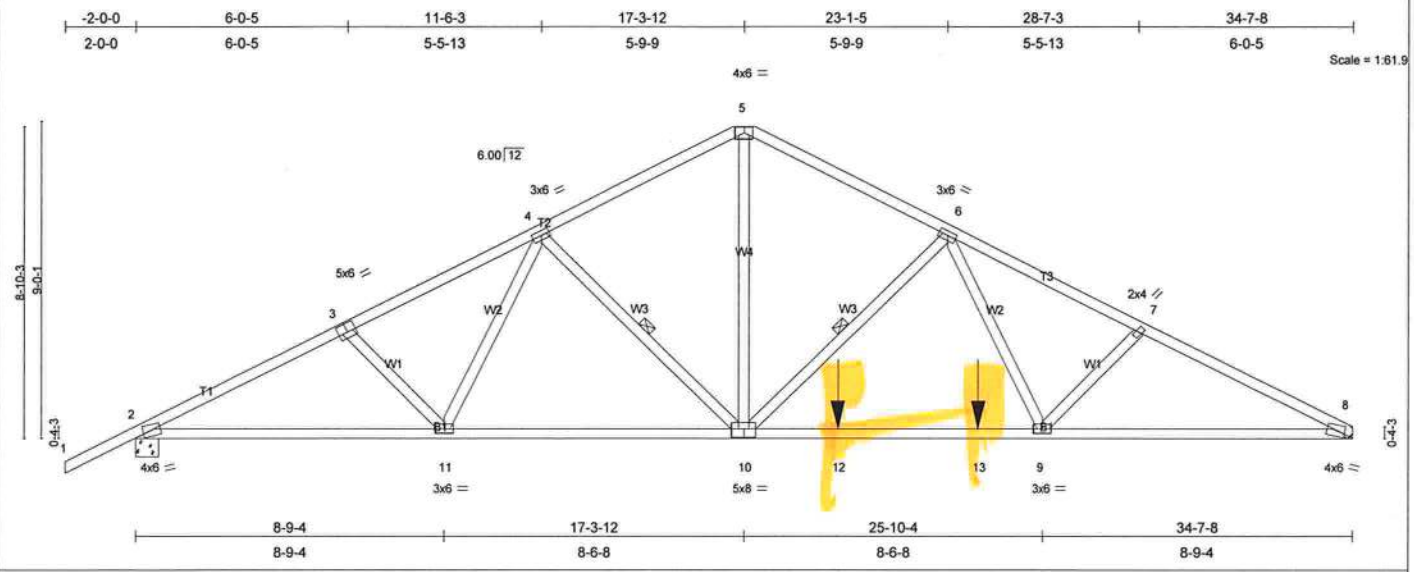


Plate Offsets (X,Y): [2:0-3-1,0-0-11], [3:0-3-0,0-3-0], [8:0-3-1,0-0-11], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.23	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.46	9-10	>895	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.39	Horz(TL)	0.12	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 178 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-6-12 oc bracing.
WEBS 1 Row at midpt 4-10, 6-10

REACTIONS (lb/size) 8=1474/Mechanical, 2=1590/0-8-0
Max Horz 2=184(load case 5)
Max Uplift8=-421(load case 6), 2=-576(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-2626/749, 3-4=-2423/712, 4-5=-1736/555, 5-6=-1736/546, 6-7=-2539/712, 7-8=-2749/766
BOT CHORD 2-11=-697/2258, 10-11=-497/1906, 10-12=-378/1957, 12-13=-378/1957, 9-13=-378/1957, 8-9=-605/2402
WEBS 3-11=-230/218, 4-11=-119/474, 4-10=-604/350, 6-10=-674/338, 6-9=-114/589, 7-9=-285/264, 5-10=-296/1165

JOINT STRESS INDEX
2 = 0.87, 3 = 0.48, 4 = 0.41, 5 = 0.56, 6 = 0.41, 7 = 0.34, 8 = 0.87, 9 = 0.50, 10 = 0.68 and 11 = 0.50

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 70.0lb AC unit load placed on the bottom chord, 22-0-0 from left end, supported at two points, 4-0-0 apart.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 421 lb uplift at joint 8 and 576 lb uplift at joint 2.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 35 lb down at 20-0-0, and 35 lb down at 24-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

JUN 0 4 2007

The seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any particular building design is the responsibility of the building designer.

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T14	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Jun 04 08:57:28 2007 Page 1

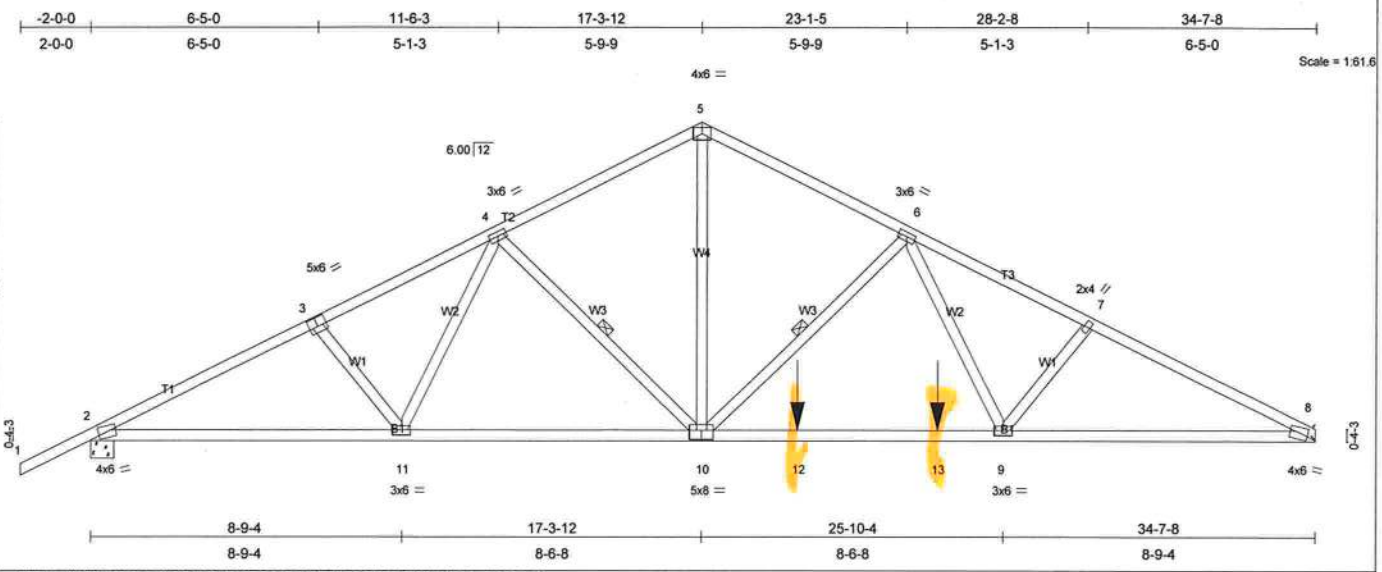


Plate Offsets (X,Y): [2:0-3-1,0-0-11], [3:0-3-0,0-3-0], [8:0-3-1,0-0-11], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	-0.23	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.45	9-10	>901	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.39	Horz(TL)	0.12	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 178 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-7-12 oc bracing.
WEBS 1 Row at midpt 4-10, 6-10

REACTIONS (lb/size) 8=1474/Mechanical, 2=1590/0-8-0
Max Horz 2=184(load case 5)
Max Uplift8=-421(load case 6), 2=-576(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-2618/740, 3-4=-2427/723, 4-5=-1735/555, 5-6=-1734/546, 6-7=-2545/725, 7-8=-2733/752
BOT CHORD 2-11=-684/2247, 10-11=-495/1903, 10-12=-376/1954, 12-13=-376/1954, 9-13=-376/1954, 8-9=-588/2384
WEBS 3-11=-230/217, 4-11=-137/494, 4-10=-600/346, 5-10=-290/1157, 6-10=-670/334, 6-9=-133/611, 7-9=-281/260

JOINT STRESS INDEX
2 = 0.87, 3 = 0.49, 4 = 0.42, 5 = 0.56, 6 = 0.42, 7 = 0.34, 8 = 0.87, 9 = 0.52, 10 = 0.68 and 11 = 0.52

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 70.0lb AC unit load placed on the bottom chord, 22-0-0 from left end, supported at two points, 4-0-0 apart.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 421 lb uplift at joint 8 and 576 lb uplift at joint 2.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 35 lb down at 20-0-0, and 35 lb down at 24-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

JUN 0 4 2007

The seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any particular building design is the responsibility of the building designer.

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T15	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Jun 04 08:56:07 2007 Page 1

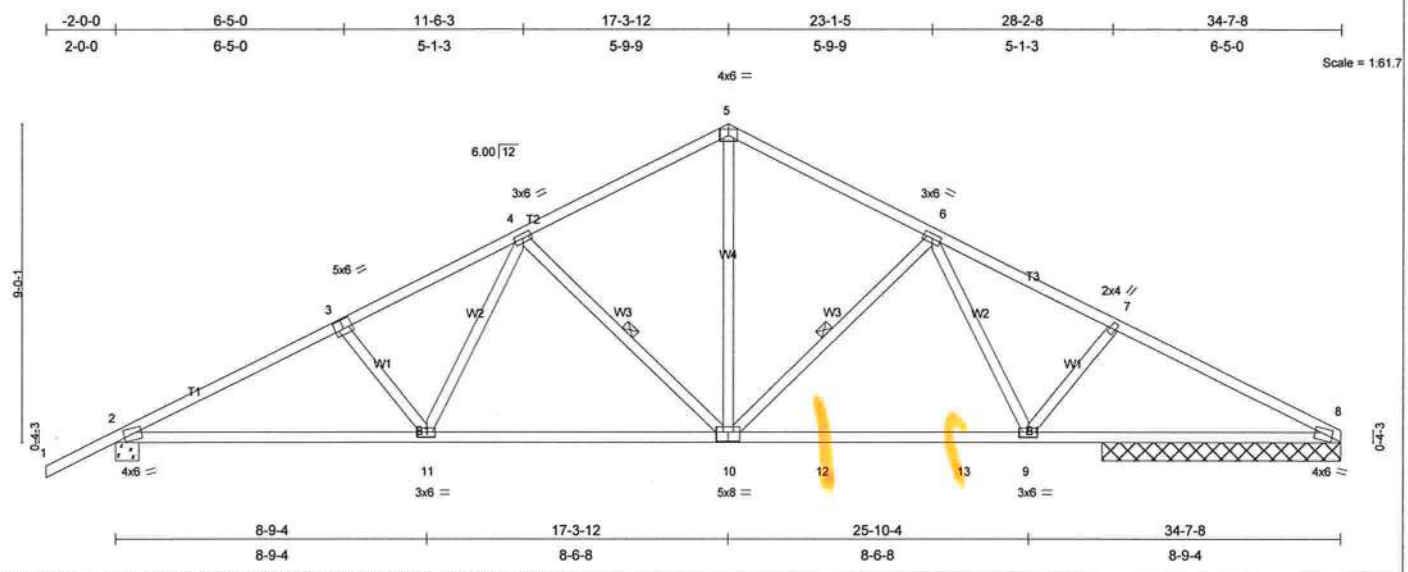


Plate Offsets (X,Y): [2:0-3-4,0-0-11], [3:0-3-0,0-3-0], [8:0-3-4,0-0-11], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.25	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-0.46	9-10	>895	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.39	Horz(TL)	0.12	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 178 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-7-10 oc bracing.
WEBS 1 Row at midpt 4-10, 6-10

REACTIONS (lb/size) 8=1480/6-8-10, 2=1596/0-8-0
Max Horz 2=184(load case 5)
Max Uplift8=-423(load case 6), 2=-578(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-2630/743, 3-4=-2440/726, 4-5=-1748/559, 5-6=-1747/549, 6-7=-2587/737, 7-8=-2783/768
BOT CHORD 2-11=-686/2258, 10-11=-497/1915, 10-12=-381/1979, 12-13=-381/1979, 9-13=-381/1979, 8-9=-604/2440
WEBS 3-11=-230/216, 4-11=-137/494, 4-10=-600/346, 5-10=-293/1168, 6-10=-685/339, 6-9=-142/639, 7-9=-309/270

JOINT STRESS INDEX
2 = 0.88, 3 = 0.50, 4 = 0.44, 5 = 0.56, 6 = 0.44, 7 = 0.34, 8 = 0.88, 9 = 0.54, 10 = 0.68 and 11 = 0.54

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 70.0lb AC unit load placed on the bottom chord, 22-0-0 from left end, supported at two points, 4-0-0 apart.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 423 lb uplift at joint 8 and 578 lb uplift at joint 2.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 35 lb down at 20-0-0, and 35 lb down at 24-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

JUN 0 4 2007

The seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any particular building design is the responsibility of the building designer.

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T13	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Jun 04 08:57:13 2007 Page 1

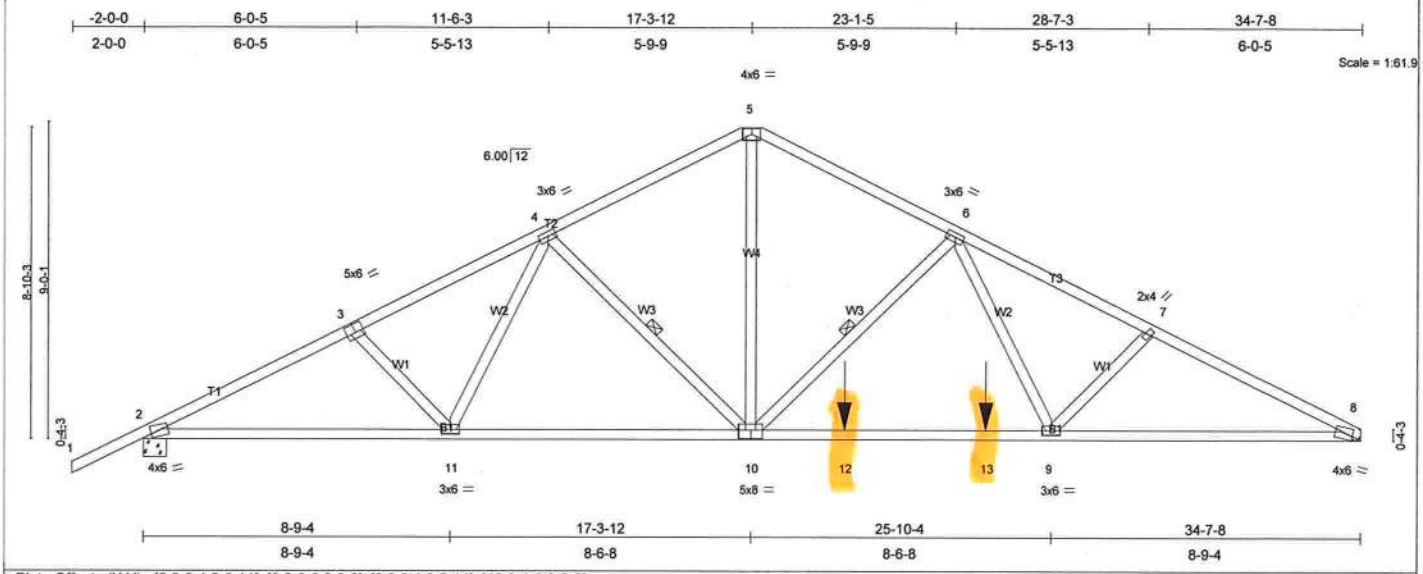


Plate Offsets (X,Y): [2:0-3-1,0-0-11], [3:0-3-0,0-3-0], [8:0-3-1,0-0-11], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.23	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.46	9-10	>895	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.39	Horz(TL)	0.12	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 178 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-6-12 oc bracing.
WEBS 1 Row at midpt 4-10, 6-10

REACTIONS (lb/size) 8=1474/Mechanical, 2=1590/0-8-0
Max Horz 2=184(load case 5)
Max Uplift8=-421(load case 6), 2=-576(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-2626/749, 3-4=-2423/712, 4-5=-1736/555, 5-6=-1736/546, 6-7=-2539/712, 7-8=-2749/766
BOT CHORD 2-11=-697/2258, 10-11=-497/1906, 10-12=-378/1957, 12-13=-378/1957, 9-13=-378/1957, 8-9=-605/2402
WEBS 3-11=-230/218, 4-11=-119/474, 4-10=-604/350, 6-10=-674/338, 6-9=-114/589, 7-9=-285/264, 5-10=-296/1165

JOINT STRESS INDEX
2 = 0.87, 3 = 0.48, 4 = 0.41, 5 = 0.56, 6 = 0.41, 7 = 0.34, 8 = 0.87, 9 = 0.50, 10 = 0.68 and 11 = 0.50

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 70.0lb AC unit load placed on the bottom chord, 22-0-0 from left end, supported at two points, 4-0-0 apart.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 421 lb uplift at joint 8 and 576 lb uplift at joint 2.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 35 lb down at 20-0-0, and 35 lb down at 24-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

JUN 0 4 2007

The seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any particular building design is the responsibility of the building designer.

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T14	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Jun 04 08:57:28 2007 Page 1

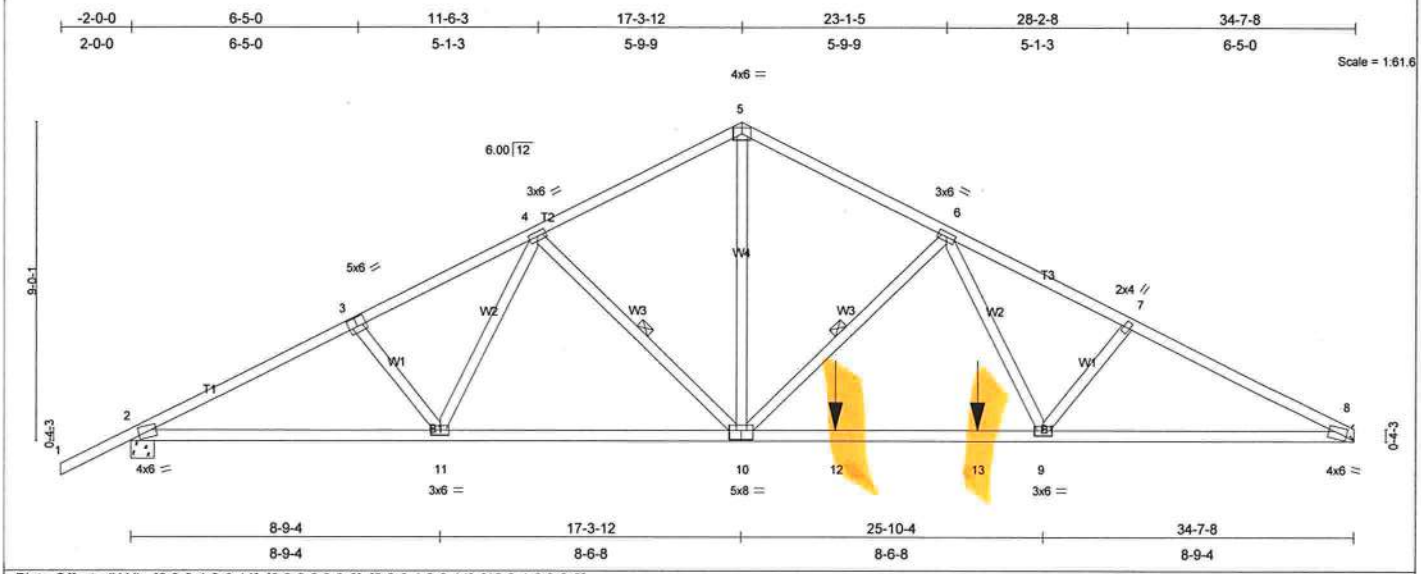


Plate Offsets (X,Y): [2:0-3-1,0-0-11], [3:0-3-0,0-3-0], [8:0-3-1,0-0-11], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	-0.23	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.45	9-10	>901	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.39	Horz(TL)	0.12	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 178 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-7-12 oc bracing.
WEBS 1 Row at midpt 4-10, 6-10

REACTIONS (lb/size) 8=1474/Mechanical, 2=1590/0-8-0
Max Horz 2=184(load case 5)
Max Uplift8=-421(load case 6), 2=-576(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-2618/740, 3-4=-2427/723, 4-5=-1735/555, 5-6=-1734/546, 6-7=-2545/725, 7-8=-2733/752
BOT CHORD 2-11=-684/2247, 10-11=-495/1903, 10-12=-376/1954, 12-13=-376/1954, 9-13=-376/1954, 8-9=-588/2384
WEBS 3-11=-230/217, 4-11=-137/494, 4-10=-600/346, 5-10=-290/1157, 6-10=-670/334, 6-9=-133/611, 7-9=-281/260

JOINT STRESS INDEX
2 = 0.87, 3 = 0.49, 4 = 0.42, 5 = 0.56, 6 = 0.42, 7 = 0.34, 8 = 0.87, 9 = 0.52, 10 = 0.68 and 11 = 0.52

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 70.0lb AC unit load placed on the bottom chord, 22-0-0 from left end, supported at two points, 4-0-0 apart.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 421 lb uplift at joint 8 and 576 lb uplift at joint 2.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 35 lb down at 20-0-0, and 35 lb down at 24-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

JUN 0 4 2007

The seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any particular building design is the responsibility of the building designer.

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T15	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Mon Jun 04 08:56:07 2007 Page 1

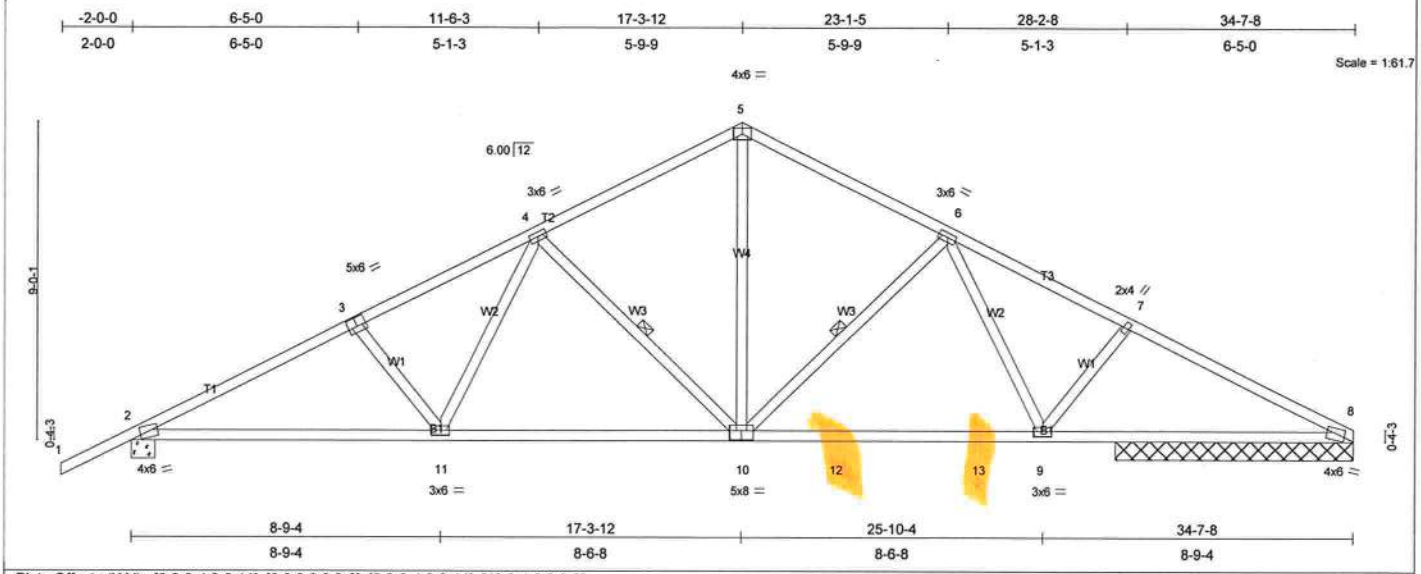


Plate Offsets (X,Y): [2:0-3-4,0-0-11], [3:0-3-0,0-3-0], [8:0-3-4,0-0-11], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.25	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-0.46	9-10	>895	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.39	Horz(TL)	0.12	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 178 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-7-10 oc bracing.
WEBS 1 Row at midpt 4-10, 6-10

REACTIONS (lb/size) 8=1480/6-8-10, 2=1596/0-8-0
Max Horz 2=184(load case 5)
Max Uplift8=-423(load case 6), 2=-578(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-2630/743, 3-4=-2440/726, 4-5=-1748/559, 5-6=-1747/549, 6-7=-2587/737, 7-8=-2783/768
BOT CHORD 2-11=-686/2258, 10-11=-497/1915, 10-12=-381/1979, 12-13=-381/1979, 9-13=-381/1979, 8-9=-604/2440
WEBS 3-11=-230/216, 4-11=-137/494, 4-10=-600/346, 5-10=-293/1168, 6-10=-685/339, 6-9=-142/639, 7-9=-309/270

JOINT STRESS INDEX
2 = 0.88, 3 = 0.50, 4 = 0.44, 5 = 0.56, 6 = 0.44, 7 = 0.34, 8 = 0.88, 9 = 0.54, 10 = 0.68 and 11 = 0.54

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) 70.0lb AC unit load placed on the bottom chord, 22-0-0 from left end, supported at two points, 4-0-0 apart.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 423 lb uplift at joint 8 and 578 lb uplift at joint 2.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 35 lb down at 20-0-0, and 35 lb down at 24-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

JUN 04 2007

The seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any particular building design is the responsibility of the building designer.

Donald F. Lee & Associates, Inc.
Surveyors & Engineers

25734

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

Monday, May 09, 2007

FROM: Tim Delbene, P.L.S.

TO: Columbia County Building & Zoning Dept.

CC: William Brown

RE: Foundation Elevation Check – Lot 58 Meadowlands Phase 3

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

Floor Elevation (at Stem Walls): 81.21'

Highest Adjacent Grade (HAG): 80.6'

Lowest Adjacent Grade (LAG): 78.9'

The record subdivision plat for Meadowlands Phase 3 indicates a minimum floor elevation of 80.00' for the subject Lot 58.

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

DATE: 5/9/2007.

Donald F. Lee & Associates, Inc.

Surveyors & Engineers

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

Monday, May 09, 2007

FROM: Tim Delbene, P.L.S.

TO: Columbia County Building & Zoning Dept.

CC: William Brown

RE: Foundation Elevation Check – Lot 58 Meadowlands Phase 3

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

Floor Elevation (at Stem Walls): 81.21'

Highest Adjacent Grade (HAG): 80.6'

Lowest Adjacent Grade (LAG): 78.9'

The record subdivision plat for Meadowlands Phase 3 indicates a minimum floor elevation of 80.00' for the subject Lot 58.

SIGNED: Timothy A Delbene

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

DATE: 5/9/2007.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	1601.0	18.59	5357.0	1.Double,U=0.87,Clear	N	8.0	6.0	30.0	19.20	0.67	385.0
				2.Double,U=0.87,Clear	N	1.5	6.0	30.0	19.20	0.94	540.0
				3.Double,U=0.87,Clear	N	1.5	6.0	20.0	19.20	0.94	360.0
				4.Single,U=0.60,Clear	N	1.5	2.0	3.0	24.05	0.76	54.0
				5.Double,U=0.87,Clear	N	1.5	6.0	60.0	19.20	0.94	1081.0
				6.Double,U=0.87,Clear	N	6.0	6.0	12.5	19.20	0.71	170.0
				7.Double,U=1.45,Clear	N	6.0	8.0	21.0	17.99	0.76	285.0
				8.Double,U=0.87,Clear	N	6.0	4.0	9.0	19.20	0.65	113.0
				9.Double,U=0.87,Clear	N	1.5	4.0	9.0	19.20	0.88	151.0
				As-Built Total:				**194.5**			**3139.0**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	75.0	0.70	52.5	1. Concrete, Int Insul, Exterior	11.0	1192.5	0.40	477.0
Exterior	1192.5	1.70	2027.3	2. Concrete, Int Insul, Adjacent	11.0	75.0	0.40	30.0
Base Total:	**1267.5**		**2079.8**	**As-Built Total:**		**1267.5**		**507.0**

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

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	1601.0	1.73	2769.7	1. Under Attic	30.0	1601.0	1.73 X 1.00	2769.7
Base Total:	**1601.0**		**2769.7**	**As-Built Total:**		**1601.0**		**2769.7**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	169.0(p)	-37.0	-6253.0	1. Slab-On-Grade Edge Insulation	0.0	169.0(p	-41.20	-6962.8
Raised	0.0	0.00	0.0					
Base Total:			**-6253.0**	**As-Built Total:**		**169.0**		**-6962.8**

INFILTRATION	Area X	BSPM	= Points	Area X	SPM	= Points
	1601.0	10.21	16346.2	1601.0	10.21	16346.2

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 20478.2			**Summer As-Built Points:**					**15977.6**
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 36000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)					
			15978	1.00	(1.09 x 1.000 x 1.00)	0.260	1.000	4528.1
20478.2	**0.3250**	**6655.4**	**15977.6**	**1.00**	**1.090**	**0.260**	**1.000**	**4528.1**

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	1601.0	20.17	5813.0	1.Double,U=0.87,Clear	N	8.0	6.0	30.0	24.58	1.02	753.0	
				2.Double,U=0.87,Clear	N	1.5	6.0	30.0	24.58	1.00	739.0	
				3.Double,U=0.87,Clear	N	1.5	6.0	20.0	24.58	1.00	492.0	
				4.Single,U=0.60,Clear	N	1.5	2.0	3.0	16.43	1.01	50.0	
				5.Double,U=0.87,Clear	N	1.5	6.0	60.0	24.58	1.00	1478.0	
				6.Double,U=0.87,Clear	N	6.0	6.0	12.5	24.58	1.02	312.0	
				7.Double,U=1.45,Clear	N	6.0	8.0	21.0	36.41	1.01	775.0	
				8.Double,U=0.87,Clear	N	6.0	4.0	9.0	24.58	1.02	226.0	
				9.Double,U=0.87,Clear	N	1.5	4.0	9.0	24.58	1.01	222.0	
				As-Built Total:				**194.5**			**5047.0**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	75.0	3.60	270.0	1. Concrete, Int Insul, Exterior	11.0	1192.5	3.00	3577.5
Exterior	1192.5	3.70	4412.3	2. Concrete, Int Insul, Adjacent	11.0	75.0	2.60	195.0
Base Total:	**1267.5**		**4682.3**	**As-Built Total:**		**1267.5**		**3772.5**

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

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM =	Points
Under Attic	1601.0	2.05	3282.0	1. Under Attic	30.0	1601.0	2.05 X 1.00	3282.0
Base Total:	**1601.0**		**3282.0**	**As-Built Total:**		**1601.0**		**3282.0**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	169.0(p)	8.9	1504.1	1. Slab-On-Grade Edge Insulation	0.0	169.0(p	18.80	3177.2
Raised	0.0	0.00	0.0					
Base Total:			**1504.1**	**As-Built Total:**		**169.0**		**3177.2**

INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points
	1601.0	-0.59	-944.6		1601.0	-0.59	-944.6

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**14836.6**	**Winter As-Built Points:**					**14834.0**
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: Electric Heat Pump 36000 btuh ,EFF(8.2) Ducts:Unc(S),Unc(R),Gar(AH),R6.0					
			14834.0	1.000	(1.069 x 1.000 x 1.00)	0.416	1.000	6594.4
14836.6	**0.5540**	**8219.5**	**14834.0**	**1.00**	**1.069**	**0.416**	**1.000**	**6594.4**

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	
3		2635.00	7905.0	40.0	0.93	3	1.00	2606.67	1.00	7820.0	
				As-Built Total:						**7820.0**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
6655	**8219**	**7905**	**22780**	**4528**	**6594**	**7820**	**18942**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.7

The higher the score, the more efficient the home.

WILLIAM BROWN, , , ,

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family			a. Central Unit	Cap: 36.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 13.00
4.	Number of Bedrooms	3			b. N/A	
5.	Is this a worst case?	No				
6.	Conditioned floor area (ft²)	1601 ft²			c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					
	a. U-factor:	Description Area		13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble, U=0.9) 60.0 ft²			a. Electric Heat Pump	Cap: 36.0 kBtu/hr
	b. SHGC:					HSPF: 8.20
	(or Clear or Tint DEFAULT)	7b. (Clear) 194.5 ft²			b. N/A	
8.	Floor types					
	a. Slab-On-Grade Edge Insulation	R=0.0, 169.0(p) ft			c. N/A	
	b. N/A					
	c. N/A			14.	Hot water systems	
9.	Wall types				a. Electric Resistance	Cap: 40.0 gallons
	a. Concrete, Int Insul, Exterior	R=11.0, 1192.5 ft²				EF: 0.93
	b. Concrete, Int Insul, Adjacent	R=11.0, 75.0 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, 1601.0 ft²		15.	HVAC credits	
	b. N/A				(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A				HF-Whole house fan,	
11.	Ducts(Leak Free)				PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 170.0 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.

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001371

DATE 04/23/2007 PARCEL ID # 36-5S-16-03761-158

APPLICANT WILLIAM BROWN PHONE 365-3450

ADDRESS 1076 SW HIGH FIELD TERR LAKE CITY FL 32024

OWNER WILLIAM BROWN PHONE 365-3450

ADDRESS 1076 SW HIGH FIELD TERR LAKE CITY FL 32024

CONTRACTOR OWNER BUILDER PHONE

LOCATION OF PROPERTY 41S, TR ON CR 133, TR ON MEADOWLANDS TERR, TR ON HIGH FIELD,

TO THE END ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT MEADOWLANDS 58

SIGNATURE

INSTALLATION REQUIREMENTS

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

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

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

[ ] Department of Transportation Permit installation approved standards.

[ ] Other

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

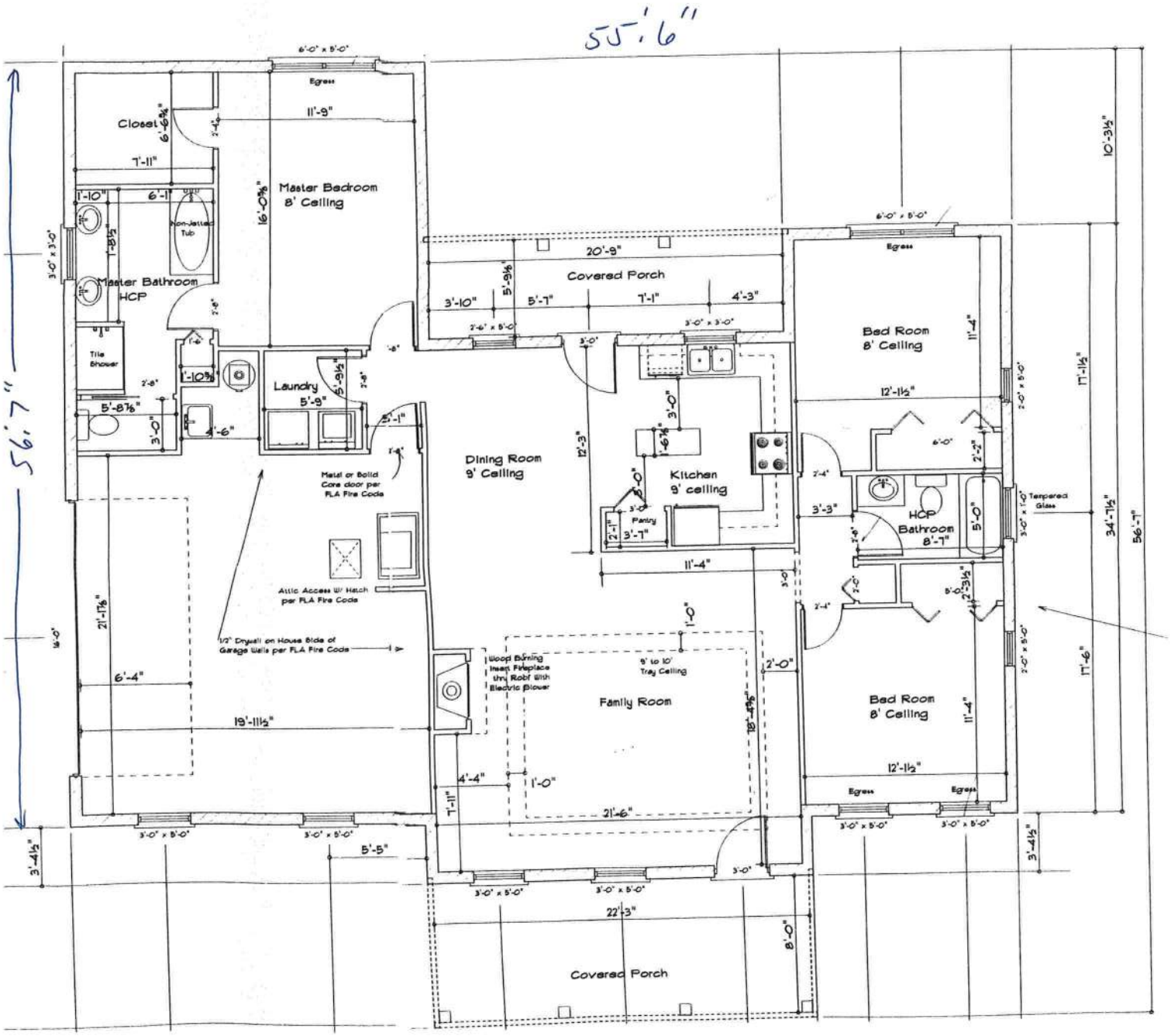
135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

William Brown

55'-6"



25734

Krystle Jones

From: Kim Holloway [Kim.Holloway@bldr.com]
Sent: Monday, June 04, 2007 10:16 AM
To: Trusses User
Subject: L231110 - SEAL AS IS
Attachments: t13.PDF; t14.PDF; t15.PDF

L231110
WILLIAM BROWN – O/B
N/A
1076 SW HIGHFIELD TERRACE
COLUMBIA COUNTY

Kim Holloway
Design Manager
Builders FirstSource
Lake City, FL
386-755-6894 Ext.223

CUSTOMER PICK-UP FRIDAY

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☑	☐	a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation

d) Location, size and height above roof of chimneys.
e) Location and size of skylights
f) Building height
e) Number of stories

Floor Plan including:

a) Rooms labeled and dimensioned.
b) Shear walls identified.
c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 **(see attach forms).**
d) Show safety glazing of glass, where required by code.
e) Identify egress windows in bedrooms, and size.
f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, **(Please circle applicable type).**
g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

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

Roof System:

a) Truss package including:
   1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
   2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

b) Conventional Framing Layout including:
   1. Rafter size, species and spacing
   2. Attachment to wall and uplift
   3. Ridge beam sized and valley framing and support details
   4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

a) Masonry wall
   1. All materials making up wall
   2. Block size and mortar type with size and spacing of reinforcement
   3. Lintel, tie-beam sizes and reinforcement
   4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
   5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
   6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
   7. Fire resistant construction (if required)
   8. Fireproofing requirements
   9. Shoe type of termite treatment (termiticide or alternative method)
   10. Slab on grade
      a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
      b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
   11. Indicate where pressure treated wood will be placed
   12. Provide insulation R value for the following:
      a. Attic space
      b. Exterior wall cavity

c. Crawl space (if applicable)

☐ ☐ b) Wood frame wall
1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

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

Floor Framing System:

☐ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☐ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

☐ ☐ **Plumbing Fixture layout**

Electrical layout including:

☑ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☑ ☐ b) Ceiling fans

☑ ☐ c) Smoke detectors

☑ ☐ d) Service panel and sub-panel size and location(s)

☑ ☐ e) Meter location with type of service entrance (overhead or underground)

☑ ☐ f) Appliances and HVAC equipment

☑ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

☑ ☐ h) Exhaust fans in bathroom

HVAC information

☑ ☐ a) Energy Calculations (dimensions shall match plans)

☑ ☐ b) Manual J sizing equipment or equivalent computation

☐ ☐ c)Gas System Type (LP or Natural) Location and BTU demand of equipment

☑ ☐ **Disclosure Statement for Owner Builders**

☑ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done

☐ ☐ **Private Potable Water**

a) Size of pump motor

b) Size of pressure tank

c) Cycle stop valve if used

25734

Donald F. Lee & Associates, Inc.

Surveyors & Engineers

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

Monday, May 09, 2007

FROM: Tim Delbene, P.L.S.

TO: Columbia County Building & Zoning Dept.

CC: William Brown

RE: Foundation Elevation Check – Lot 58 Meadowlands Phase 3

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

Floor Elevation (at Stem Walls): 81.21'

Highest Adjacent Grade (HAG): 80.6'

Lowest Adjacent Grade (LAG): 78.9'

The record subdivision plat for Meadowlands Phase 3 indicates a minimum floor elevation of 80.00' for the subject Lot 58.

SIGNED: Timothy A. Delbene

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

DATE: 5/9/2007.

Donald F. Lee and Associates, Inc.

SURVEYORS - ENGINEERS
140 NW Ridgewood Avenue. Lake City, Florida 32055
Phone : (386) 755-6166 Fax : (386) 755-6167
e - mail : dfla@suwanneevalley.net

FACSIMILE TRANSMITTAL

TO: Columbia Co. Building Dept.

ATTN: John Kerce

DATE: May 9, 2007

PAGES: 2 (including this page)

RE: Willima Brown
Lot 58 Meadowlands Phase 3
Foundation Check

MEMO

John - Mr. Brown's elevation letter is attached. His stemwall is okay. We will get a hard copy of this letter out to you.

FROM: Tim Delbene, PLS

Project Information for:	L231110		
Builder:	WILLIAM BROWN (O/B)	Date:	3/28/2007
Lot:	N/A	Start Number:	**1461**
Subdivision:	1076 SW HIGHFIELD TERRA	SEI Ref:	L231110
County or City:	COLUMBIA COUNTY		
Truss Page Count:	31		

Truss Design Load Information (UNO) Design Program: MiTek

Gravity		**Wind**		**Building Code:**	**FBC2004**
Roof (psf):	**42**	Wind Standard:	**ASCE 7-02**		
Floor (psf):	55	Wind Speed (mph):	**110**		

Note: See individual truss drawings for special loading conditions

Building Designer, responsible for Structural Engineering: (See attached)

Owner Builder
Address: N/A
N/A
Designer: **136**

Truss Design Engineer: Thomas, E. Miller, P.E., 56877 - Byron K. Anderson, PE FL 60987
Company: Structural Engineering and Inspections, Inc. EB 9196
Address 16105 N. Florida Ave, Ste B, Lutz, FL 33549 Phone: 813-849-5769

Notes:

1. Truss Design Engineer is responsible for the individual trusses as components only.
2. Determination as to the suitability and use of these truss components for the structure is the responsibility of the Building Designer of Record, as defined in ANSI/TPI
3. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
4. Trusses designed for veritcal loads only, unless noted otherwise.
5. Where hangers are shown, Carried Member hanger capacity per Simpson C-2006 (SYP/Full Nailing Value) as an individual component. Building Designer shall verify the suitablity and use of Carrying Member hanger capacity.

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	0328071461	3/28/2007				
2	CJ1A	0328071462	3/28/2007				
3	CJ3	0328071463	3/28/2007				
4	CJ3A	0328071464	3/28/2007				
5	CJ5	0328071465	3/28/2007				
6	CJ5A	0328071466	3/28/2007				
7	EJ7	0328071467	3/28/2007				
8	EJ7A	0328071468	3/28/2007				
9	HJ9	0328071469	3/28/2007				
10	HJ9A	0328071470	3/28/2007				
11	T01	0328071471	3/28/2007				
12	T02	0328071472	3/28/2007				
13	T03	0328071473	3/28/2007				
14	T04	0328071474	3/28/2007				
15	T05	0328071475	3/28/2007				
16	T06	0328071476	3/28/2007				
17	T07	0328071477	3/28/2007				
18	T08	0328071478	3/28/2007				
19	T09	0328071479	3/28/2007				
20	T10	0328071480	3/28/2007				
21	T11	0328071481	3/28/2007				
22	T12	0328071482	3/28/2007				
23	T13	0328071483	3/28/2007				
24	T14	0328071484	3/28/2007				
25	T15	0328071485	3/28/2007				
26	T16	0328071486	3/28/2007				
27	T17	0328071487	3/28/2007				
28	T18	0328071488	3/28/2007				
29	T19	0328071489	3/28/2007				
30	T20	0328071490	3/28/2007				
31	T21	0328071491	3/28/2007				

MAR 2 8 2007

Structural Engineering and Inspections, Inc. 16105 N. Florida Ave. Ste B Lutz, FL 33549 Thomas Miller, PE 56877, EB 9196

LATERAL TOE-NAIL DETAIL

ST-TOENAIL

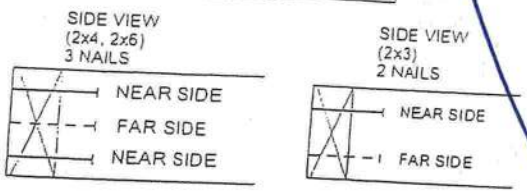
NOTES:
1. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 30 DEGREES WITH THE MEMBER AND STARTED 1/3 THE LENGTH OF THE NAIL FROM THE MEMBER END AS SHOWN.
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. ALLOWABLE VALUE SHALL BE THE LESSER VALUE OF THE BOTTOM CHORD SPECIES FOR MEMBERS OF DIFFERENT SPECIES.

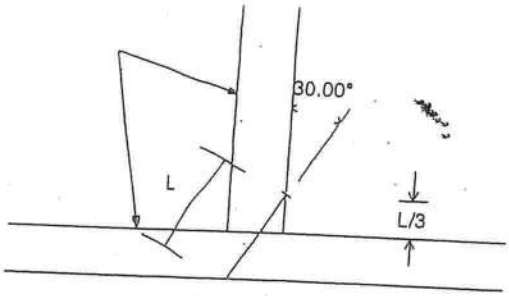
TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)

	DIAM.	SYP
3.5" LONG	.131	83.3
	.135	89.6
	.162	118.3
3.25" LONG	.128	80.5
	.131	83.3
	.148	102.1
3.0" LONG	.120	70.5
	.128	80.5
	.131	83.3
	.148	102.1

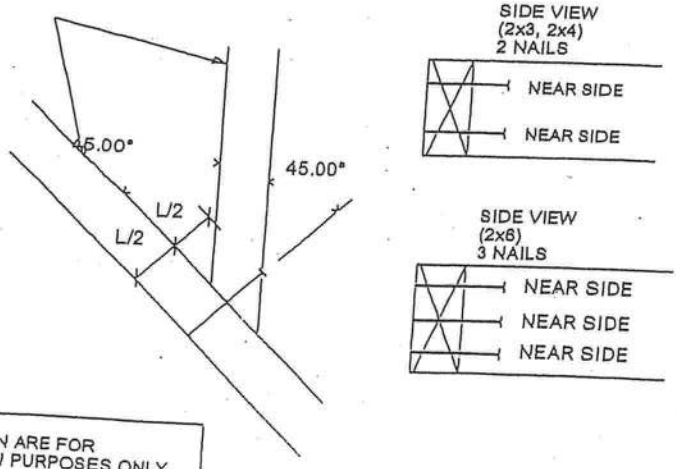
VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

SQUARE CUT





45 DEGREE ANGLE BEVEL CUT



VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

This detail may only be applied to Pre-engineered truss drawings signed and sealed by Structural Engineering and Inspections Inc.

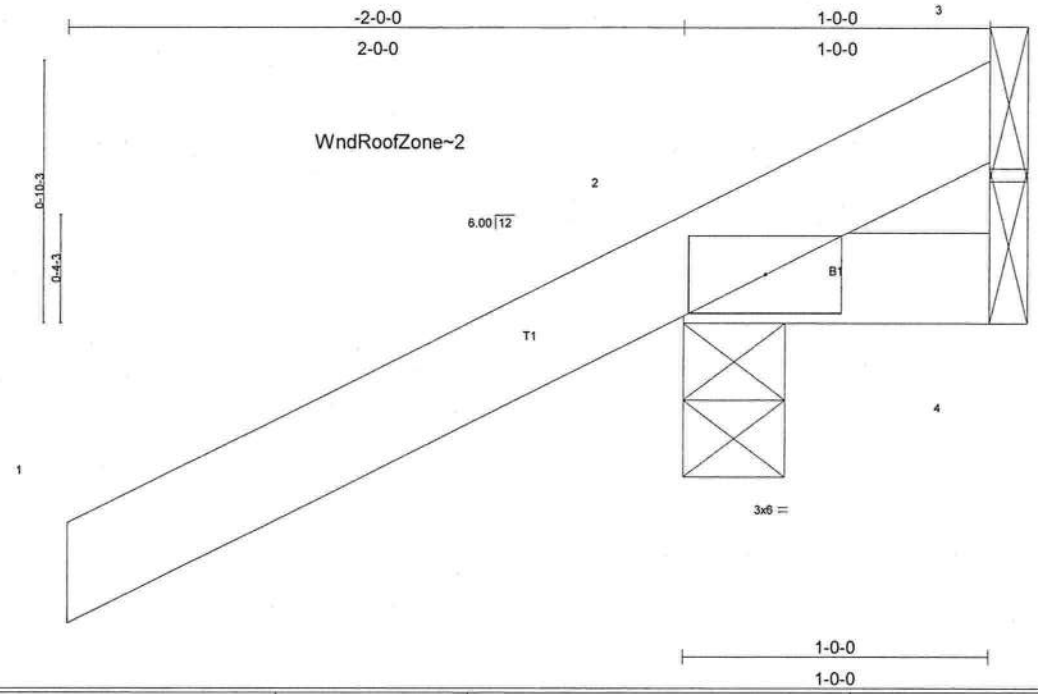
MAR 2 8 2007

The seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any particular building design is the responsibility of the building designer.

Dwg.#0328071461

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	CJ1	JACK	10	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:28 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 7 lb	

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

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

REACTIONS (lb/size) 2=267/0-4-0, 4=14/Mechanical, 3=-91/Mechanical
Max Horz 2=87(load case 5)
Max Uplift2=-275(load case 5), 3=-91(load case 1)
Max Grav 2=267(load case 1), 4=14(load case 1), 3=128(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-70/76
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 275 lb uplift at joint 2 and 91 lb uplift at joint 3.

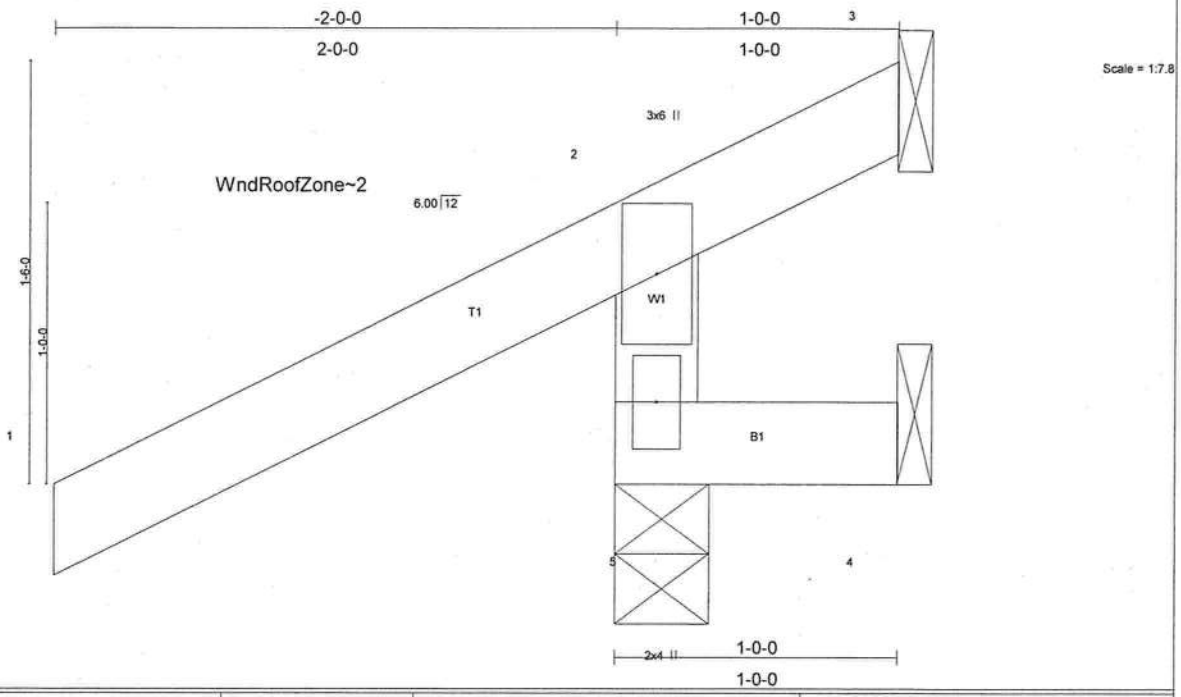
LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071462

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	CJ1A	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:29 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	0.00	5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	0.00	5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 7 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

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

REACTIONS (lb/size) 5=299/0-4-0, 4=-20/Mechanical, 3=-92/Mechanical
Max Horz 5=89(load case 5)
Max Uplift5=-257(load case 5), 4=-20(load case 1), 3=-92(load case 1)
Max Grav 5=299(load case 1), 3=95(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-254/322, 1-2=0/52, 2-3=-62/51
BOT CHORD 4-5=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 257 lb uplift at joint 5, 20 lb uplift at joint 4 and 92 lb uplift at joint 3.

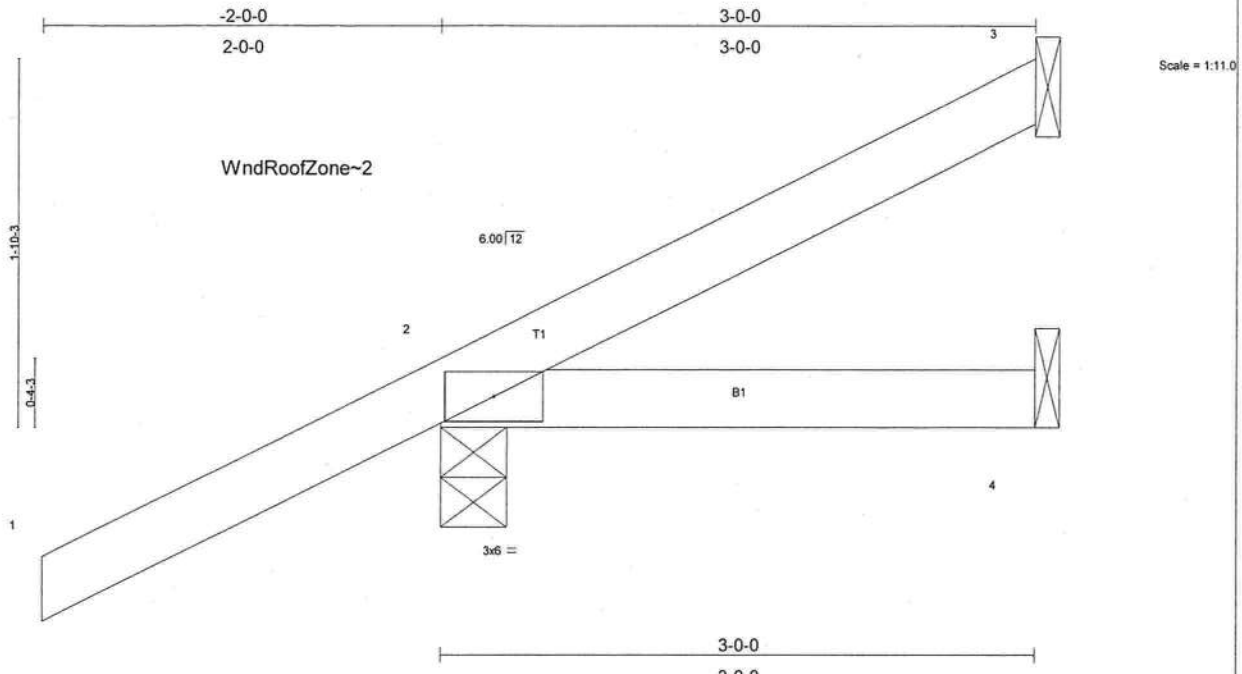
LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071463

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	CJ3	JACK	10	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:29 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb	

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

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

REACTIONS (lb/size) 3=29/Mechanical, 2=279/0-4-0, 4=42/Mechanical
Max Horz 2=132(load case 5)
Max Uplift3=-27(load case 6), 2=-205(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-58/7
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 3 and 205 lb uplift at joint 2.

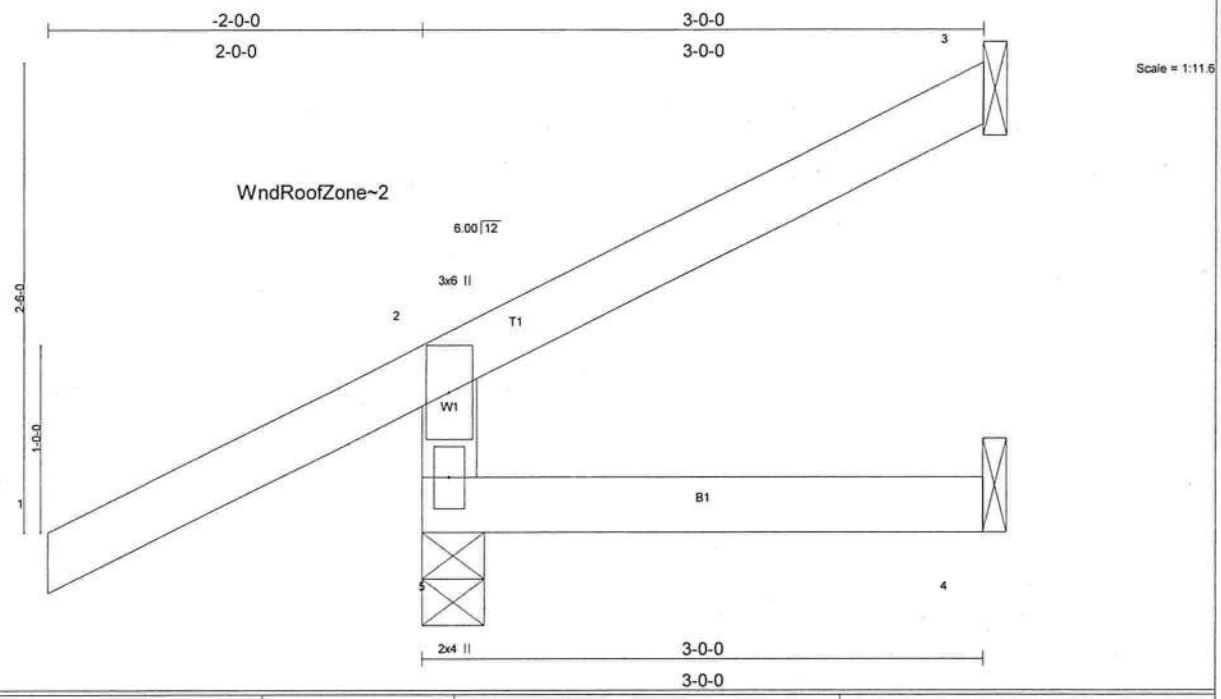
LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071464

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	CJ3A	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:30 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	0.01	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	0.01	4-5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.01	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 14 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

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

REACTIONS (lb/size) 5=278/0-4-0, 3=44/Mechanical, 4=29/Mechanical
Max Horz 5=151(load case 5)
Max Uplift5=-204(load case 5), 3=-45(load case 5), 4=-33(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-5=-223/243, 1-2=0/52, 2-3=-48/13
BOT CHORD 4-5=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 204 lb uplift at joint 5, 45 lb uplift at joint 3 and 33 lb uplift at joint 4.

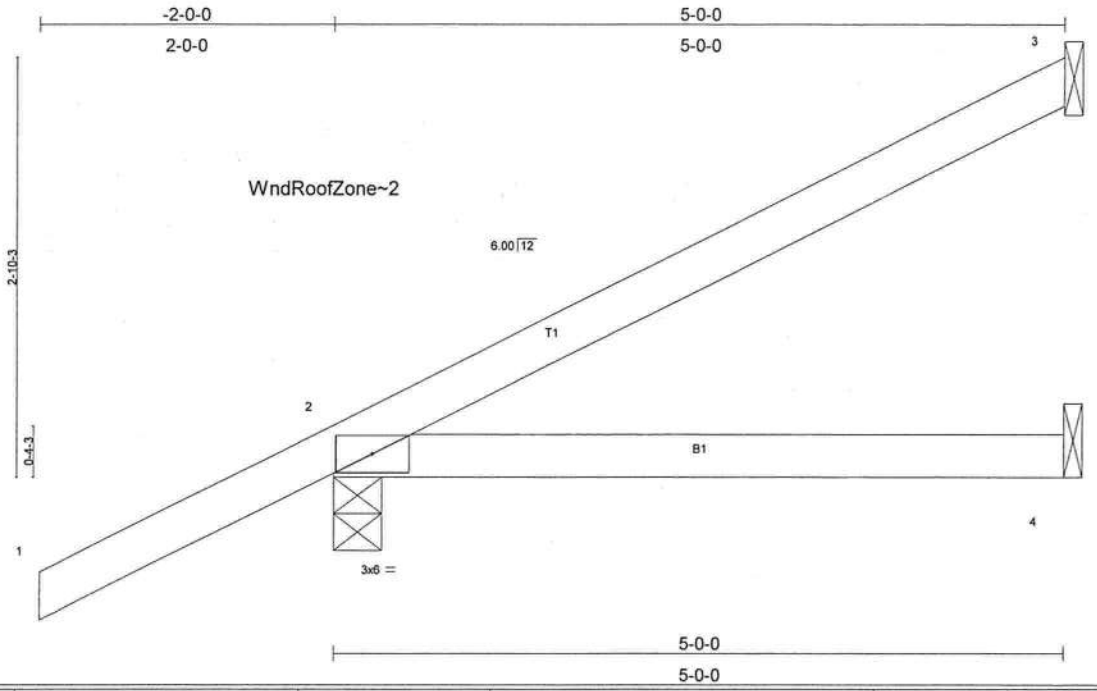
LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071465

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	CJ5	JACK	10	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:31 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.03	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 19 lb	

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

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

REACTIONS (lb/size) 3=102/Mechanical, 2=344/0-4-0, 4=72/Mechanical
Max Horz 2=178(load case 5)
Max Uplift3=-87(load case 5), 2=-201(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-87/36
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3 and 201 lb uplift at joint 2.

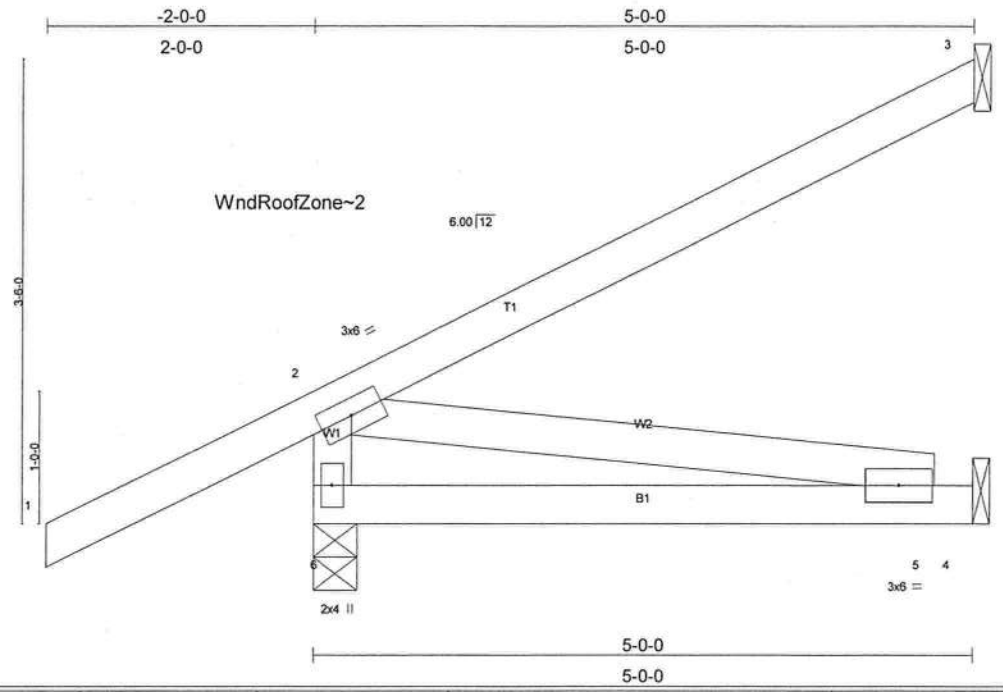
LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071466

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	CJ5A	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:32 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	0.09	5-6	>641	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.25	Vert(TL)	0.08	5-6	>744	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.07	Horz(TL)	-0.01	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 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

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

REACTIONS (lb/size) 6=343/0-4-0, 3=103/Mechanical, 4=72/Mechanical
Max Horz 6=198(load case 5)
Max Uplift6=-234(load case 5), 3=-83(load case 5), 4=-76(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-6=-271/260, 1-2=0/52, 2-3=-82/35
BOT CHORD 5-6=-271/0, 4-5=0/0
WEBS 2-5=0/275

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; end vertical left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 234 lb uplift at joint 6, 83 lb uplift at joint 3 and 76 lb uplift at joint 4.

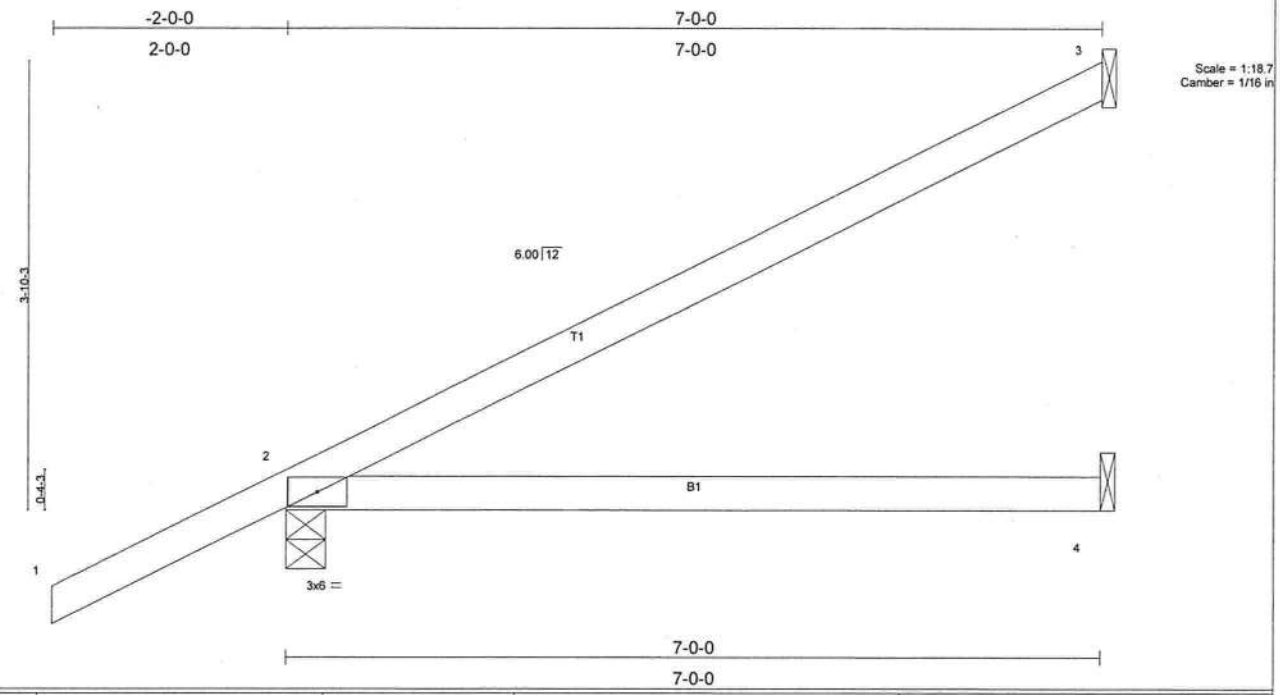
LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071467

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	EJ7	JACK	31	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:33 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.12	2-4	>674	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.34	Vert(TL)	-0.20	2-4	>403	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb	

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

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

REACTIONS (lb/size) 3=162/Mechanical, 2=420/0-4-0, 4=104/Mechanical
Max Horz 2=224(load case 5)
Max Uplift3=-134(load case 5), 2=-211(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-94/58
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 3 and 211 lb uplift at joint 2.

LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071468

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	EJ7A	JACK	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:34 2007 Page 1

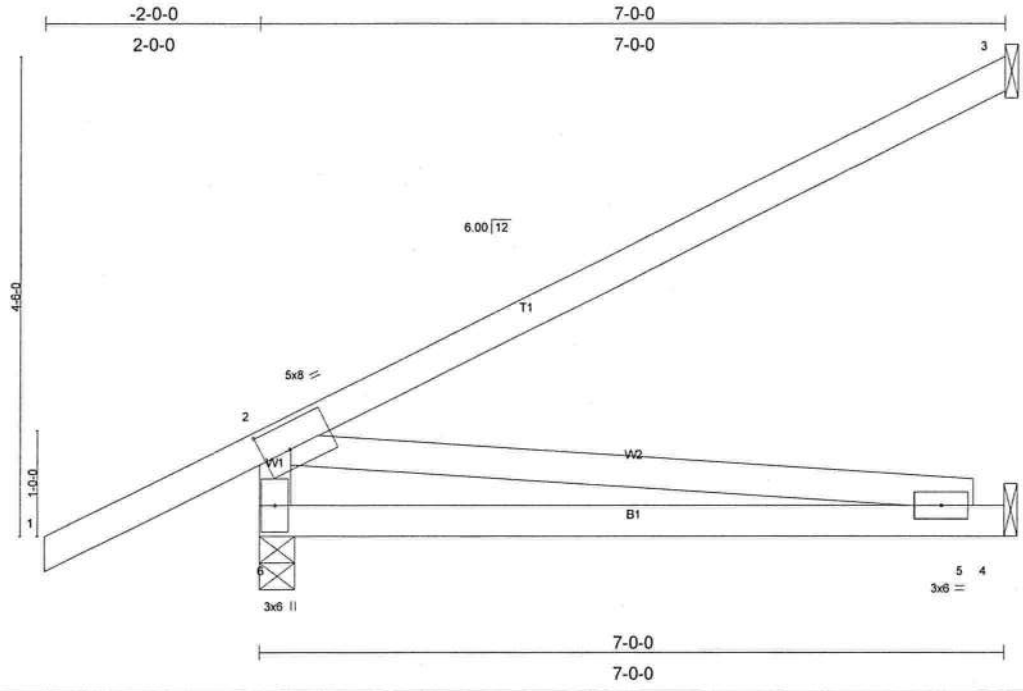


Plate Offsets (X,Y): [2:0-3-2,0-2-14]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	0.19	5-6	>421	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	0.17	5-6	>491	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.29	Horz(TL)	-0.02	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 36 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-4-7 oc bracing.

REACTIONS (lb/size) 6=419/0-4-0, 3=142/Mechanical, 4=125/Mechanical
Max Horz 6=244(load case 5)
Max Uplift6=-272(load case 5), 3=-130(load case 5), 4=-104(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-6=-295/194, 1-2=0/52, 2-3=-100/47
BOT CHORD 5-6=-570/389, 4-5=0/0
WEBS 2-5=-391/574

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; end vertical left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 272 lb uplift at joint 6, 130 lb uplift at joint 3 and 104 lb uplift at joint 4.

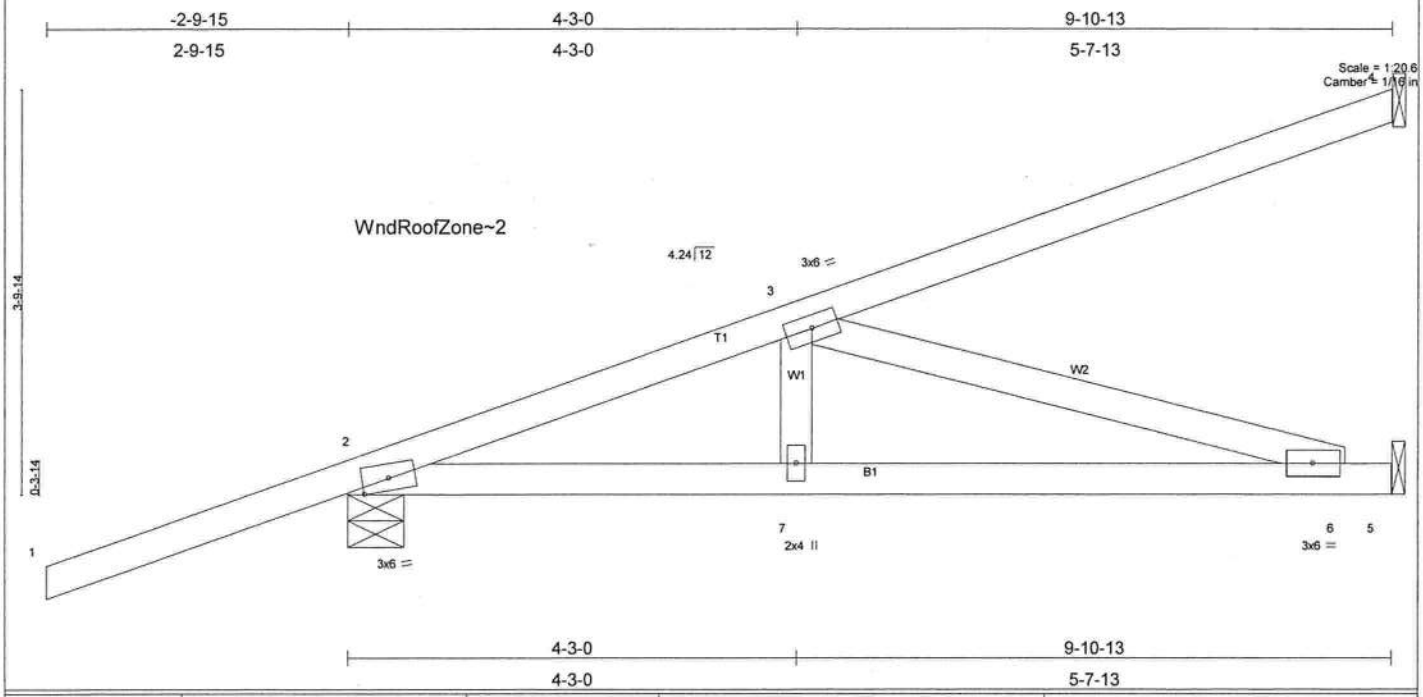
LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071469

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	HJ9	MONO TRUSS	5	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:35 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.62	Vert(LL)	-0.11	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.18	6-7	>622	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.46	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 45 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

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

REACTIONS (lb/size) 4=270/Mechanical, 2=537/0-6-7, 5=372/Mechanical
Max Horz 2=270(load case 2)
Max Uplift4=-232(load case 2), 2=-284(load case 2), 5=-61(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-877/116, 3-4=-105/66
BOT CHORD 2-7=-305/810, 6-7=-305/810, 5-6=0/0
WEBS 3-7=0/187, 3-6=-844/317

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 232 lb uplift at joint 4, 284 lb uplift at joint 2 and 61 lb uplift at joint 5.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-4(F=25, B=25)-to-4=-134(F=-40, B=-40), 2=0(F=15, B=15)-to-5=-74(F=-22, B=-22)

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071470

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	HJ9A	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:36 2007 Page 1

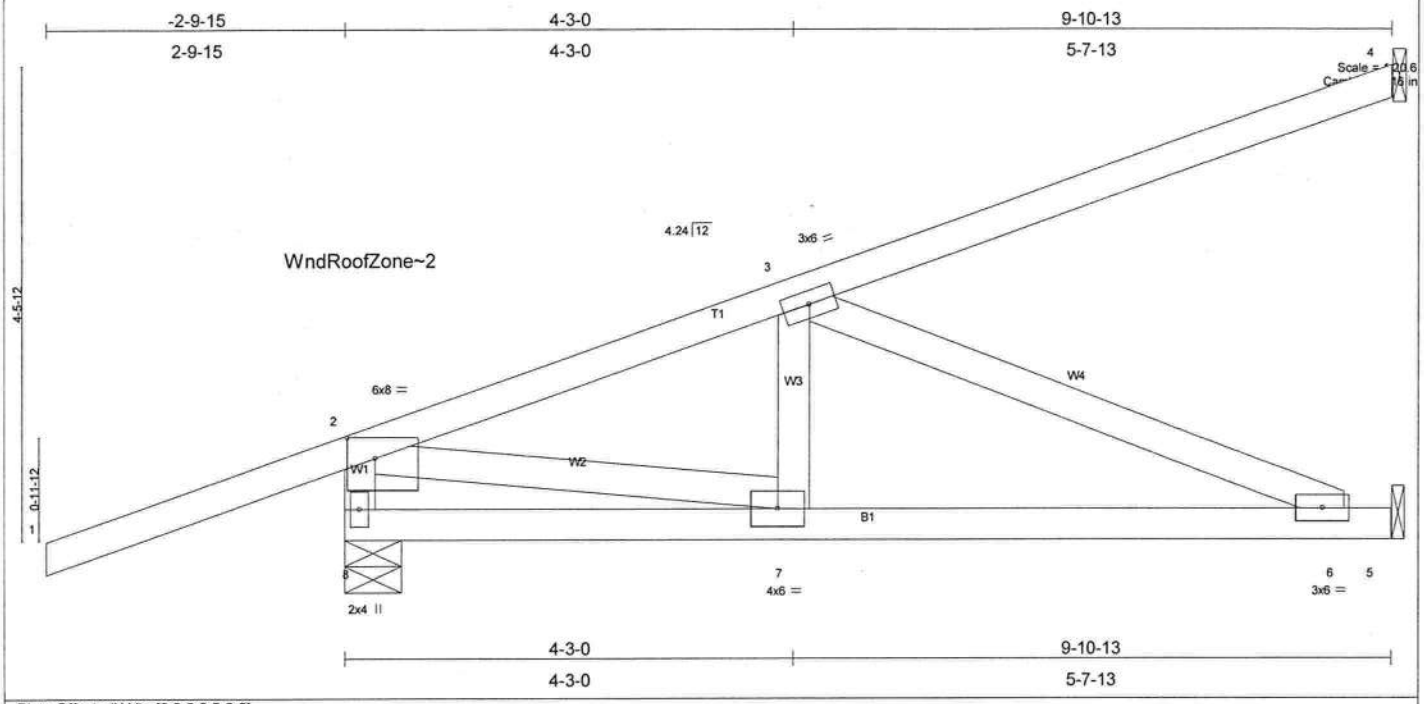


Plate Offsets (X,Y): [2:0-3-2,0-2-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.85	Vert(LL)	-0.10	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.16	6-7	>720	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.39	Horz(TL)	-0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 52 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

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.

REACTIONS (lb/size) 8=527/0-6-7, 4=265/Mechanical, 5=385/Mechanical
Max Horz 8=288(load case 4)
Max Uplift8=-376(load case 2), 4=-229(load case 2), 5=-207(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 2-8=-542/340, 1-2=0/54, 2-3=-656/278, 3-4=-104/64
BOT CHORD 7-8=-304/82, 6-7=-464/619, 5-6=0/0
WEBS 2-7=-551/938, 3-7=-68/85, 3-6=-671/503

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; end vertical left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 376 lb uplift at joint 8, 229 lb uplift at joint 4 and 207 lb uplift at joint 5.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-2(F=26, B=26)-to-4=-134(F=-40, B=-40), 8=0(F=15, B=15)-to-5=-74(F=-22, B=-22)

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

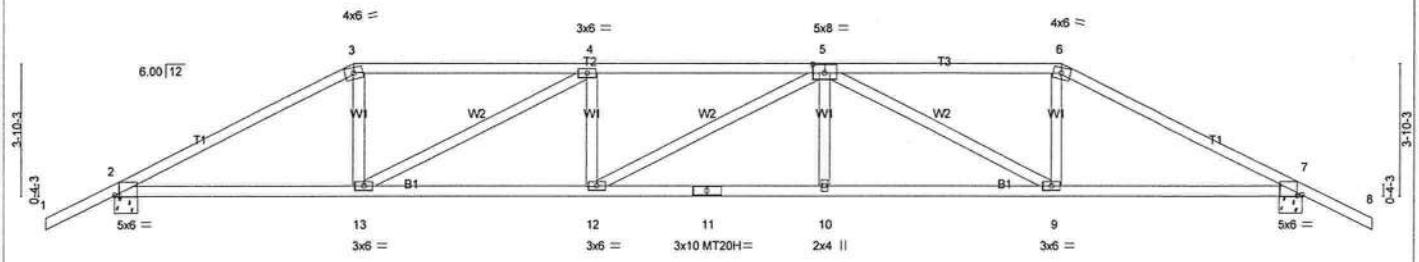
Dwg.#0328071471

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T01	HIP	1	2	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:37 2007 Page 1

-2-0-0	7-0-0	13-11-1	20-8-7	27-7-8	34-7-8	36-7-8
2-0-0	7-0-0	6-11-1	6-9-5	6-11-1	7-0-0	2-0-0

Scale = 1:63.3
Camber = 1/4 in



7-0-0	13-11-1	20-8-7	27-7-8	34-7-8
7-0-0	6-11-1	6-9-5	6-11-1	7-0-0

Plate Offsets (X,Y): [2:0-1-10,Edge], [5:0-4-0,0-3-0], [7:0-1-10,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	0.46	Vert(LL)	-0.37	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.84	Vert(TL)	-0.60	10-12	>677	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.61	Horz(TL)	0.18	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 329 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-7-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-8-9 oc bracing.

REACTIONS (lb/size) 2=3025/0-8-0, 7=3025/0-8-0
Max Horz 2=87(load case 4)
Max Uplift2=-1278(load case 4), 7=-1278(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-5743/2430, 3-4=-5095/2226, 4-5=-7399/3255, 5-6=-5095/2226, 6-7=-5743/2430, 7-8=0/48
BOT CHORD 2-13=-2116/5010, 12-13=-3175/7399, 11-12=-3156/7399, 10-11=-3156/7399, 9-10=-3156/7399, 7-9=-2074/5010
WEBS 3-13=-773/2103, 4-13=-2688/1246, 4-12=0/452, 5-12=-39/41, 5-10=0/433, 5-9=-2687/1246, 6-9=-773/2102

NOTES
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 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; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1278 lb uplift at joint 2 and 1278 lb uplift at joint 7.
8) Girder carries hip end with 7-0-0 end setback.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 27-7-8, and 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-6=-113(F=-58), 6-8=-54, 2-13=-30, 9-13=-63(F=-33), 7-9=-30
Concentrated Loads (lb)
Vert: 13=-539(F) 9=-539(F)

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

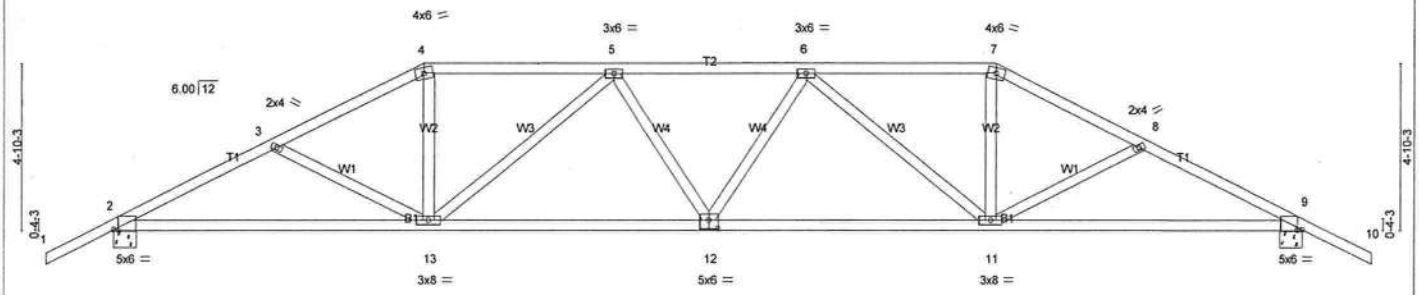
Dwg.#0328071472

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T02	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:39 2007 Page 1

-2-0-0	4-9-4	9-0-0	14-6-8	20-1-0	25-7-8	29-10-4	34-7-8	36-7-8
2-0-0	4-9-4	4-2-12	5-6-8	5-6-8	5-6-8	4-2-12	4-9-4	2-0-0

Scale = 1:63.3
Camber = 1/8 in



9-0-0	17-3-12	25-7-8	34-7-8
9-0-0	8-3-12	8-3-12	9-0-0

Plate Offsets (X,Y): [2:0-1-11,Edge], [9:0-1-11,Edge], [12:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.25	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.40	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.64	Horz(TL)	0.13	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 175 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-3-15 oc bracing.

REACTIONS (lb/size) 2=1552/0-8-0, 9=1552/0-8-0
Max Horz 2=-101(load case 6)
Max Uplift2=-537(load case 5), 9=-537(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-2528/704, 3-4=-2344/680, 4-5=-2077/642, 5-6=-2640/813, 6-7=-2077/642, 7-8=-2344/680, 8-9=-2528/704, 9-10=0/48
BOT CHORD 2-13=-606/2183, 12-13=-746/2569, 11-12=-721/2569, 9-11=-550/2183
WEBS 3-13=-151/168, 4-13=-145/748, 5-13=-718/331, 5-12=0/182, 6-12=0/182, 6-11=-718/331, 7-11=-145/748, 8-11=-151/169

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 537 lb uplift at joint 2 and 537 lb uplift at joint 9.

LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

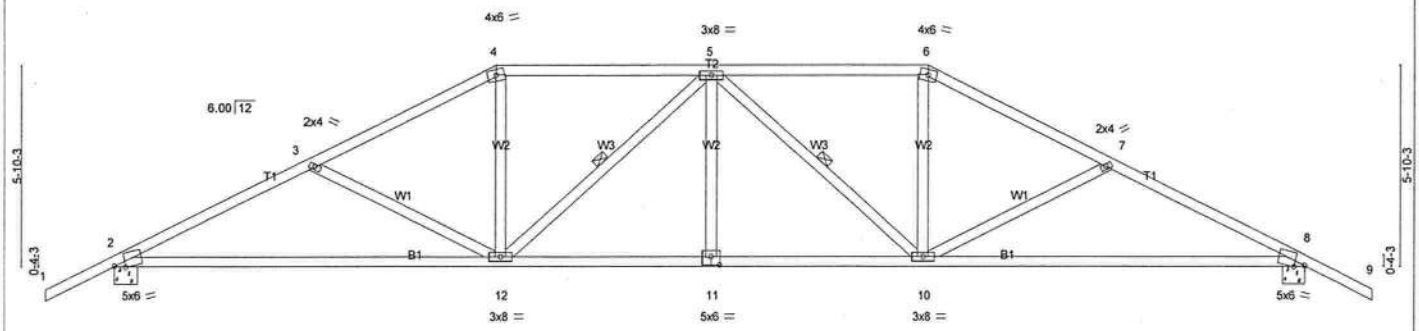
Dwg.#0328071473

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T03	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:40 2007 Page 1

-2-0-0	5-9-4	11-0-0	17-3-12	23-7-8	28-10-4	34-7-8	36-7-8
2-0-0	5-9-4	5-2-12	6-3-12	6-3-12	5-2-12	5-9-4	2-0-0

Scale = 1:63.3
Camber = 1/4 in



11-0-0	17-3-12	23-7-8	34-7-8
11-0-0	6-3-12	6-3-12	11-0-0

Plate Offsets (X,Y): [2:0-3-13,Edge], [8:0-3-13,Edge], [11:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	-0.35	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.84	Vert(TL)	-0.60	8-10	>675	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.12	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 179 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-0-11 oc bracing.
WEBS 1 Row at midpt 5-12, 5-10

REACTIONS (lb/size) 2=1552/0-8-0, 8=1552/0-8-0
Max Horz 2=-115(load case 6)
Max Uplift2=-555(load case 5), 8=-555(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-2489/720, 3-4=-2212/616, 4-5=-1937/598, 5-6=-1937/598, 6-7=-2212/616, 7-8=-2489/721, 8-9=0/48
BOT CHORD 2-12=-604/2160, 11-12=-530/2187, 10-11=-530/2187, 8-10=-489/2160
WEBS 3-12=-277/242, 4-12=-98/648, 5-12=-447/225, 5-11=0/105, 5-10=-447/225, 6-10=-98/648, 7-10=-277/243

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 555 lb uplift at joint 2 and 555 lb uplift at joint 8.

LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

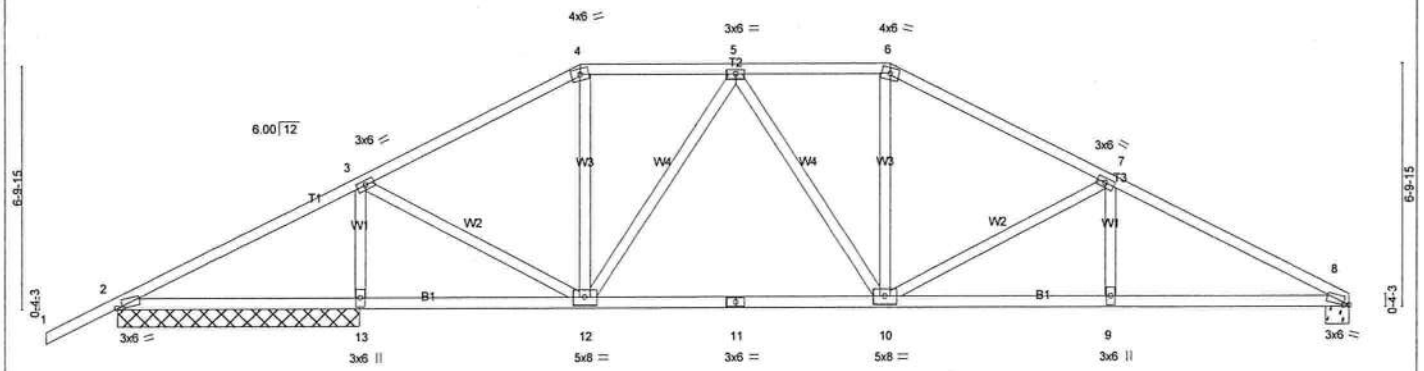
Dwg.#0328071474

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T04	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:42 2007 Page 1

-2-0-0	6-9-0	12-11-8	17-3-12	21-8-0	27-10-8	34-7-8
2-0-0	6-9-0	6-2-8	4-4-4	4-4-4	6-2-8	6-9-0

Scale = 1:61.2
Camber = 1/8 in



6-9-0	12-11-8	21-8-0	27-10-8	34-7-8
6-9-0	6-2-8	8-8-8	6-2-8	6-9-0

Plate Offsets (X,Y): [2:0-1-13,0-0-7], [8:0-1-13,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	-0.15	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.26	10-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.60	Horz(TL)	0.04	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 182 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 8=1102/0-8-0, 2=185/6-8-10, 13=1701/6-8-10
Max Horz 2=154(load case 5)
Max Uplift 8=-360(load case 6), 2=-166(load case 5), 13=-489(load case 5)
Max Grav 8=1102(load case 1), 2=236(load case 9), 13=1701(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-120/461, 3-4=-894/316, 4-5=-727/326, 5-6=-1148/468, 6-7=-1357/460, 7-8=-1946/618
BOT CHORD 2-13=-347/190, 12-13=-347/190, 11-12=-213/1001, 10-11=-213/1001, 9-10=-461/1657, 8-9=-461/1657
WEBS 3-13=-1485/521, 3-12=-261/1198, 4-12=-15/165, 5-12=-559/206, 5-10=-106/292, 6-10=-29/288, 7-10=-589/335, 7-9=0/208

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 360 lb uplift at joint 8, 166 lb uplift at joint 2 and 489 lb uplift at joint 13.

LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071475

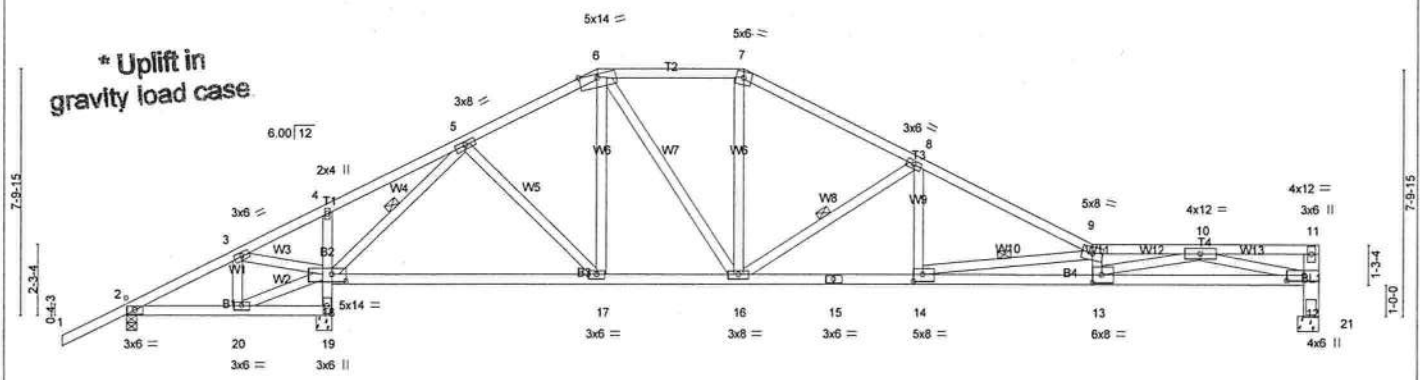
Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T05	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:43 2007 Page 1

-2-0-0 | 3-6-10 | 6-6-10 | 10-9-1 | 14-11-8 | 19-8-0 | 25-2-11 | 30-9-5 | 38-0-0

2-0-0 | 3-6-10 | 3-0-0 | 4-2-7 | 4-2-7 | 4-8-8 | 5-6-11 | 5-6-11 | 7-2-11

Scale = 1:69.3
Camber = 3/8 in



6-6-10

3-6-10 | 6-3-10 | 14-11-8 | 19-8-0 | 25-2-11 | 30-9-5 | 38-0-0

3-6-10 | 2-9-0 0-3-0 | 8-4-14 | 4-8-8 | 5-6-11 | 5-6-11 | 7-2-11

Plate Offsets (X,Y): [12:0-6-8,0-2-0], [13:0-3-8,0-3-0], [14:0-3-8,0-2-8], [18:0-5-5,0-2-10], [18:0-9-0,6-6-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.61	13-14	>621	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.97	Vert(TL)	-0.97	13-14	>388	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.83	Horz(TL)	0.26	21	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 221 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3, B4 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3
OTHERS 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-18, 8-16, 9-14

REACTIONS (lb/size) 2=-457/0-4-0, 19=2586/0-6-0, 21=1147/0-8-0
Max Horz 2=231(load case 5)
Max Uplift2=-636(load case 10), 19=-818(load case 5), 21=-259(load case 5)
Max Grav 2=20(load case 6), 19=2586(load case 1), 21=1147(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-385/1573, 3-4=-731/2550, 4-5=-652/2486, 5-6=-833/298, 6-7=-1082/410, 7-8=-1279/415, 8-9=-2453/676, 9-10=-5819/1578, 10-11=-407/76, 12-21=-1147/322, 11-12=-144/76
BOT CHORD 2-20=-1353/306, 19-20=-265/0, 18-19=-2576/789, 4-18=-270/197, 17-18=-98/217, 16-17=-126/694, 15-16=-553/2169, 14-15=-553/2169, 13-14=-1614/5910, 12-13=-989/3427
WEBS 5-18=-3210/913, 6-17=-480/166, 6-16=-203/731, 7-16=-54/277, 8-16=-1307/412, 8-14=-167/889, 9-14=-3798/1077, 9-13=-617/240, 10-13=-613/2492, 5-17=-169/954, 3-18=-925/370, 3-20=-197/526, 18-20=-1157/344, 10-12=-3136/949

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. 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) Bearing at joint(s) 21 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 636 lb uplift at joint 2, 818 lb uplift at joint 19 and 259 lb uplift at joint 21.
6) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071476

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T06	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Mar 30 13:47:43 2007 Page 1

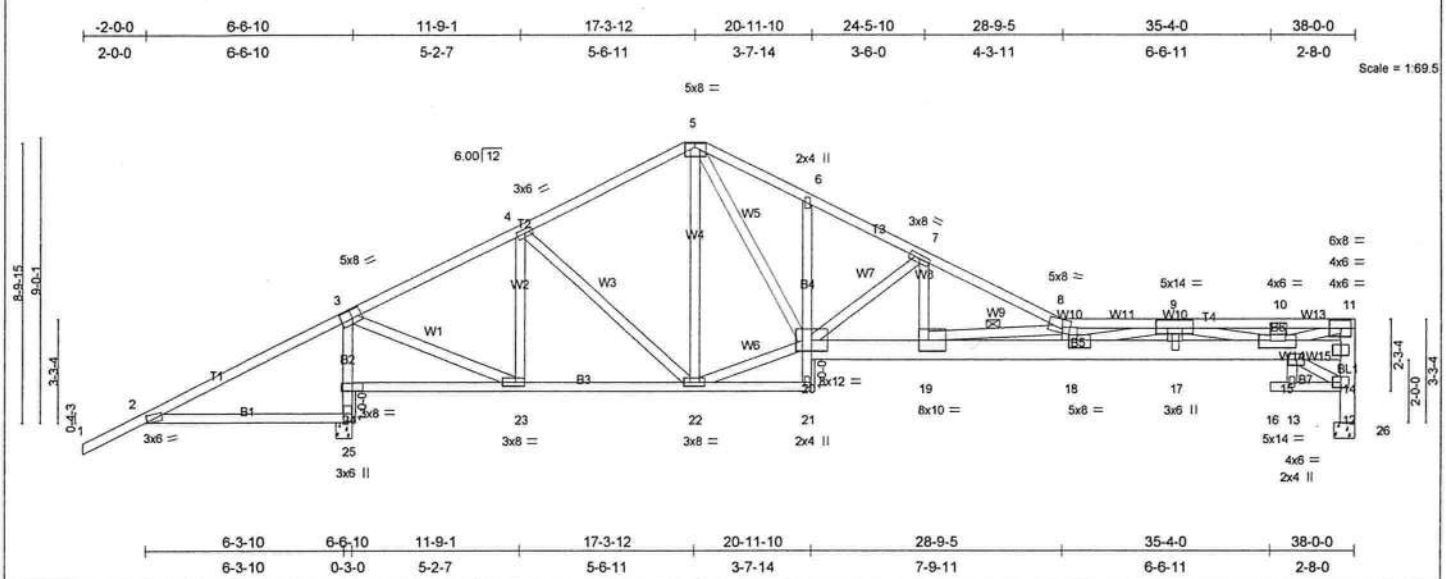


Plate Offsets (X,Y): [2:0-0-13,Edge], [3:0-3-12,0-3-0], [5:0-3-12,0-1-8], [8:0-2-12,0-3-5], [9:0-7-0,0-2-15], [10:0-0-3,0-1-13], [15:0-4-8,0-2-15], [17:0-3-13,0-1-7], [18:0-2-13,0-2-15], [19:0-3-8,0-4-0], [23:0-3-8,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.75	Vert(LL)	-0.67	18-19	>560	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.95	Vert(TL)	-1.08	18-19	>350	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(TL)	0.45	26	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 256 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.1D, B4 2 X 4 SYP No.3, B5 2 X 8 SYP 2400F 2.0E
B6 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W10 2 X 6 SYP No.1D, W10 2 X 6 SYP No.1D
OTHERS 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-11-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 8-19

REACTIONS (lb/size) 25=2045/0-6-0, 25=2045/0-6-0, 26=1250/0-8-0
Max Horz 25=280(load case 5)
Max Uplift25=-923(load case 5), 26=-268(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-792/878, 3-4=-953/237, 4-5=-1221/339, 5-6=-2055/550, 6-7=-2109/502, 7-8=-3618/780, 8-9=-6721/1435, 9-10=-3121/724, 10-11=-1903/436, 12-26=-1250/295, 12-14=-1205/297, 11-14=-686/173
BOT CHORD 2-25=-694/819, 24-25=-1966/884, 3-24=-1836/857, 23-24=-902/864, 22-23=-151/794, 21-22=-36/187, 20-21=0/44, 6-20=-149/99, 19-20=-662/3223, 18-19=-1507/7013, 17-18=-1345/6003, 15-17=-1345/6003, 14-15=-170/692, 10-15=-396/147, 13-16=0/0, 12-13=0/8
WEBS 3-23=-842/1832, 4-23=-616/420, 4-22=-209/319, 20-22=-129/890, 5-20=-395/1673, 8-18=-1078/283, 9-18=-156/740, 5-22=-333/166, 7-20=-1788/450, 8-19=-3857/918, 9-15=-2962/638, 7-19=-285/1516, 9-17=-37/353, 11-15=-295/1332, 13-15=0/46, 12-15=-31/6

JOINT STRESS INDEX
2 = 0.93, 3 = 0.86, 4 = 0.41, 5 = 0.89, 6 = 0.34, 7 = 0.90, 8 = 0.83, 9 = 0.45, 10 = 0.41, 11 = 0.42, 12 = 0.25, 13 = 0.34, 14 = 0.95, 15 = 0.78, 15 = 0.25, 17 = 0.21, 18 = 0.28, 19 = 0.66, 20 = 0.61, 21 = 0.56, 22 = 0.82, 23 = 0.73, 24 = 0.81 and 25 = 0.39

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60. 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 26 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 923 lb uplift at joint 25 and 268 lb uplift at joint 26.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071477

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T07	SPECIAL	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Mar 30 13:47:25 2007 Page 1

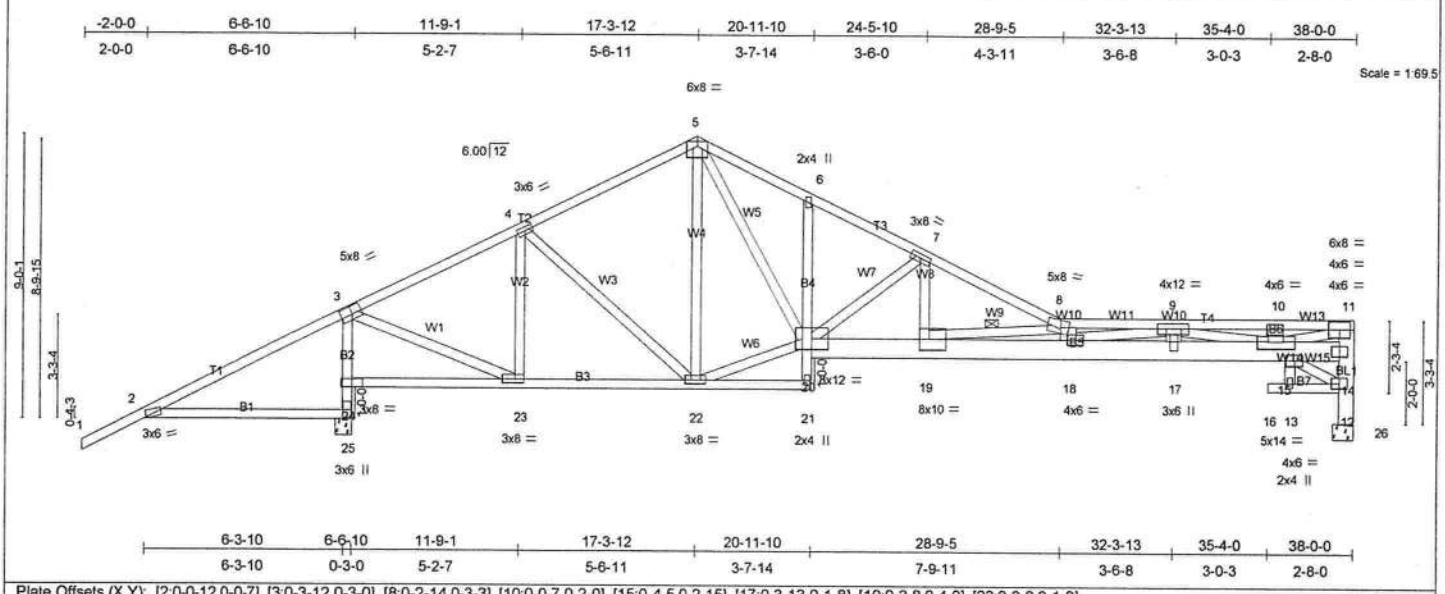


Plate Offsets (X,Y): [2:0-0-12,0-0-7], [3:0-3-12,0-3-0], [8:0-2-14,0-3-3], [10:0-0-7,0-2-0], [15:0-4-5,0-2-15], [17:0-3-13,0-1-8], [19:0-3-8,0-4-0], [23:0-3-8,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.75	Vert(LL)	-0.67	18-19	>561	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.95	Vert(TL)	-1.08	18-19	>350	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(TL)	0.45	26	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 256 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.1D, B4 2 X 4 SYP No.3, B5 2 X 8 SYP 2400F 2.0E
B6 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W10 2 X 6 SYP No.1D, W10 2 X 6 SYP No.1D
OTHERS 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-11-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 8-19

REACTIONS (lb/size) 25=2045/0-6-0, 25=2045/0-6-0, 26=1250/0-8-0
Max Horz 25=280(load case 5)
Max Uplift25=-923(load case 5), 26=-268(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-791/877, 3-4=-953/237, 4-5=-1221/339, 5-6=-2054/550, 6-7=-2108/502, 7-8=-3615/780, 8-9=-6719/1435, 9-10=-3121/724, 10-11=-1903/436, 12-26=-1250/295, 12-14=-1205/297, 11-14=-687/173
BOT CHORD 2-25=-694/819, 24-25=-1966/884, 3-24=-1836/857, 23-24=-901/863, 22-23=-151/793, 21-22=-36/187, 20-21=0/44, 6-20=-149/99, 19-20=-662/3221, 18-19=-1506/7009, 17-18=-1345/6002, 15-17=-1345/6002, 14-15=-170/692, 10-15=-396/147, 13-16=0/0, 12-13=0/8
WEBS 3-23=-841/1831, 4-23=-616/420, 4-22=-209/319, 20-22=-129/890, 5-20=-395/1673, 8-18=-1075/282, 9-18=-156/739, 5-22=-334/166, 7-20=-1787/449, 8-19=-3856/918, 9-15=-2961/638, 7-19=-285/1515, 9-17=-37/352, 11-15=-295/1332, 13-15=0/46, 12-15=-31/6

JOINT STRESS INDEX
2 = 0.93, 3 = 0.86, 4 = 0.41, 5 = 0.69, 6 = 0.34, 7 = 0.90, 8 = 0.85, 9 = 0.74, 10 = 0.44, 11 = 0.42, 12 = 0.25, 13 = 0.34, 14 = 0.95, 15 = 0.79, 15 = 0.25, 17 = 0.21, 18 = 0.29, 19 = 0.67, 20 = 0.61, 21 = 0.56, 22 = 0.82, 23 = 0.73, 24 = 0.81 and 25 = 0.39

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60. 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 26 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 923 lb uplift at joint 25 and 268 lb uplift at joint 26.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

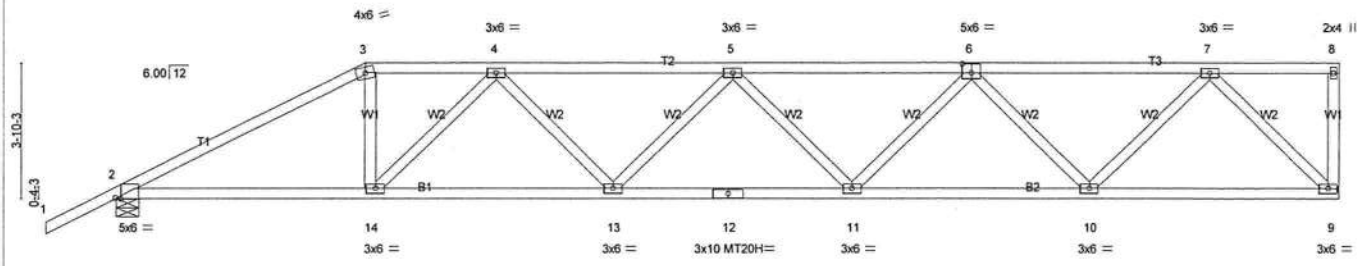
Dwg.#0328071478

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T08	MONO HIP	1	2	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:48 2007 Page 1

-2-0-0	7-0-0	10-8-1	17-5-3	24-2-5	30-11-7	34-7-8
2-0-0	7-0-0	3-8-1	6-9-2	6-9-2	6-9-2	3-8-1

Scale = 1:61.6
Camber = 3/16 in



7-0-0	14-0-10	20-9-12	27-6-14	34-7-8
7-0-0	7-0-10	6-9-2	6-9-2	7-0-10

Plate Offsets (X,Y): [2:0-1-11,Edge], [6:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	-0.34	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.86	Vert(TL)	-0.55	11-13	>752	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.46	Horz(TL)	0.15	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 347 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-5-6 oc bracing.

REACTIONS (lb/size) 9=3031/Mechanical, 2=2998/0-8-0
Max Horz 2=226(load case 4)
Max Uplift9=-1359(load case 3), 2=-1255(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-5649/2402, 3-4=-5005/2197, 4-5=-7125/3114, 5-6=-7046/3095, 6-7=-4701/2033, 7-8=-76/0, 8-9=-136/90
BOT CHORD 2-14=-2159/4912, 13-14=-2909/6374, 12-13=-3405/7457, 11-12=-3405/7457, 10-11=-2862/6243, 9-10=-1292/2740
WEBS 3-14=-956/2255, 4-14=-1945/1061, 4-13=-317/1090, 5-13=-482/436, 5-11=-597/450, 6-11=-337/1165, 6-10=-2237/1204, 7-10=-1074/2846, 7-9=-3784/1838

NOTES
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 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) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
4) Provide adequate drainage to prevent water ponding.
5) All plates are MT20 plates unless otherwise indicated.
6) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1359 lb uplift at joint 9 and 1255 lb uplift at joint 2.
8) Girder carries hip end with 0-0-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-8=-113(F=-58), 2-14=-30, 9-14=-63(F=-33)
Concentrated Loads (lb)
Vert: 14=-539(F)

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071479

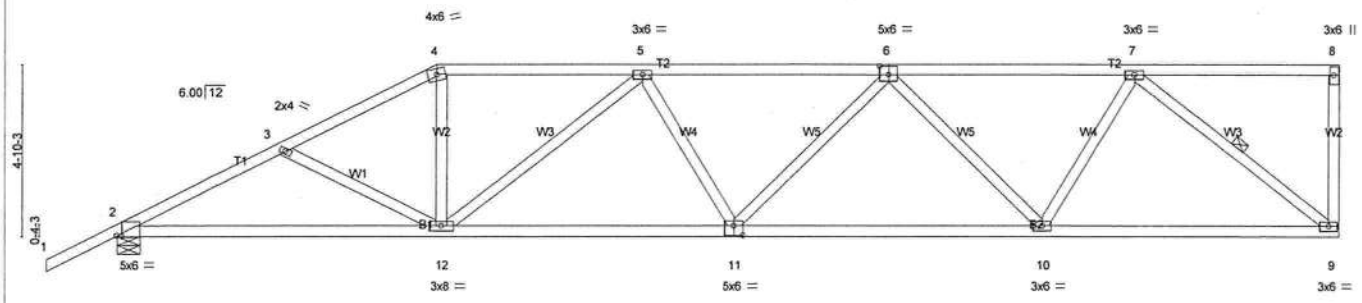
Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T09	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:49 2007 Page 1

-2-0-0 | 4-9-4 | 9-0-0 | 14-10-1 | 21-9-12 | 28-9-7 | 34-7-8

2-0-0 | 4-9-4 | 4-2-12 | 5-10-1 | 6-11-11 | 6-11-11 | 5-10-1

Scale = 1:61.6
Camber = 3/16 in



9-0-0 | 17-5-4 | 26-2-4 | 34-7-8

9-0-0 | 8-5-4 | 8-9-0 | 8-5-4

Plate Offsets (X,Y): [2:0-1-11,Edge], [6:0-3-0,0-3-0], [11:0-3-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.26	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.43	10-11	>962	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.65	Horz(TL)	0.12	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 182 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-5-5 oc bracing.
WEBS 1 Row at midpt 7-9

REACTIONS (lb/size) 9=1430/Mechanical, 2=1564/0-8-0
Max Horz 2=272(load case 5)
Max Uplift9=-529(load case 4), 2=-531(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-2553/780, 3-4=-2370/759, 4-5=-2100/713, 5-6=-2683/944, 6-7=-1986/698, 7-8=-51/9, 8-9=-140/91
BOT CHORD 2-12=-766/2205, 11-12=-968/2636, 10-11=-950/2521, 9-10=-581/1516
WEBS 3-12=-146/168, 4-12=-180/760, 5-12=-687/366, 5-11=0/95, 6-11=-24/234, 6-10=-773/364, 7-10=-237/948, 7-9=-1877/732

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 529 lb uplift at joint 9 and 531 lb uplift at joint 2.

LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

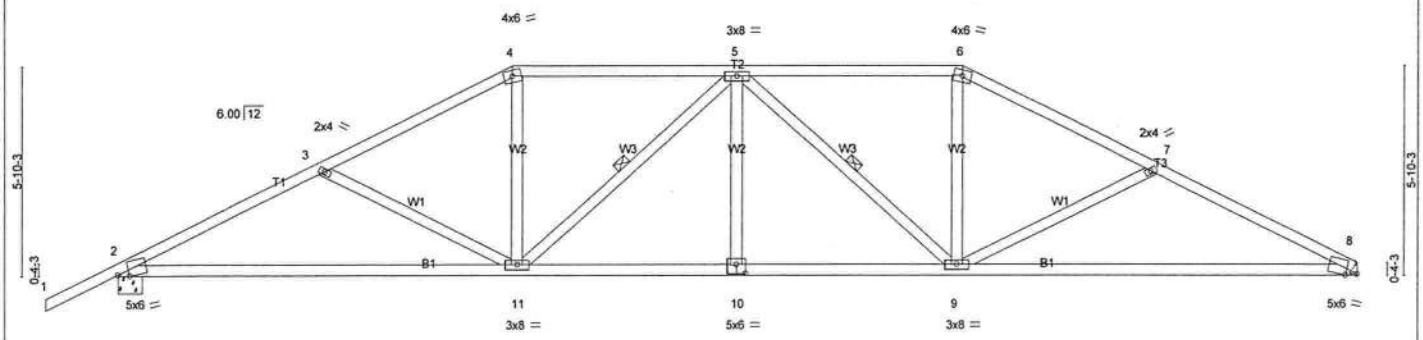
Dwg.#0328071480

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T10	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:51 2007 Page 1

-2-0-0	5-9-4	11-0-0	17-3-12	23-7-8	28-10-4	34-7-8
2-0-0	5-9-4	5-2-12	6-3-12	6-3-12	5-2-12	5-9-4

Scale = 1:61.0
Camber = 5/16 in



11-0-0	17-3-12	23-7-8	34-7-8
11-0-0	6-3-12	6-3-12	11-0-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	-0.42	8-9	>974	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.90	Vert(TL)	-0.71	8-9	>576	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.12	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 175 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-9-6 oc bracing.
WEBS 1 Row at midpt 5-11, 5-9

REACTIONS (lb/size) 8=1430/Mechanical, 2=1564/0-8-0
Max Horz 2=140(load case 5)
Max Uplift8=-422(load case 6), 2=-558(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-2515/728, 3-4=-2238/636, 4-5=-1961/616, 5-6=-1991/639, 6-7=-2275/665, 7-8=-2602/794
BOT CHORD 2-11=-635/2182, 10-11=-571/2223, 9-10=-571/2223, 8-9=-632/2284
WEBS 3-11=-276/242, 4-11=-106/660, 5-11=-463/229, 5-10=0/101, 5-9=-433/218, 6-9=-117/683, 7-9=-354/296

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 422 lb uplift at joint 8 and 558 lb uplift at joint 2.

LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

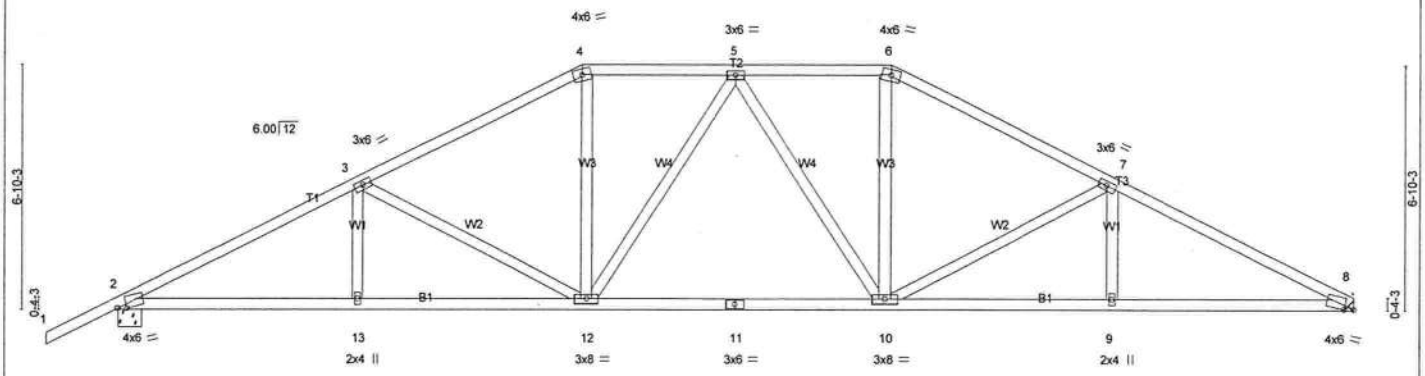
Dwg.#0328071481

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T11	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:52 2007 Page 1

-2-0-0	6-9-4	13-0-0	17-3-12	21-7-8	27-10-4	34-7-8
2-0-0	6-9-4	6-2-12	4-3-12	4-3-12	6-2-12	6-9-4

Scale = 1:61.1
Camber = 3/16 in



6-9-4	13-0-0	21-7-8	27-10-4	34-7-8
6-9-4	6-2-12	8-7-8	6-2-12	6-9-4

Plate Offsets (X,Y): [2:0-3-1,0-0-11], [8:0-3-1,0-0-11]

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)	-0.25	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.41	10-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.12	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 182 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-8-13 oc bracing.

REACTIONS (lb/size) 8=1430/Mechanical, 2=1564/0-8-0
Max Horz 2=154(load case 5)
Max Uplift8=-438(load case 6), 2=-574(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-2603/726, 3-4=-2056/609, 4-5=-1782/605, 5-6=-1795/621, 6-7=-2073/629, 7-8=-2684/795
BOT CHORD 2-13=-641/2231, 12-13=-641/2231, 11-12=-390/1845, 10-11=-390/1845, 9-10=-621/2321, 8-9=-621/2321
WEBS 3-13=0/190, 3-12=-533/282, 4-12=-116/581, 5-12=-255/154, 5-10=-235/148, 6-10=-115/595, 7-10=-618/346, 7-9=0/214

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 438 lb uplift at joint 8 and 574 lb uplift at joint 2.

LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071482

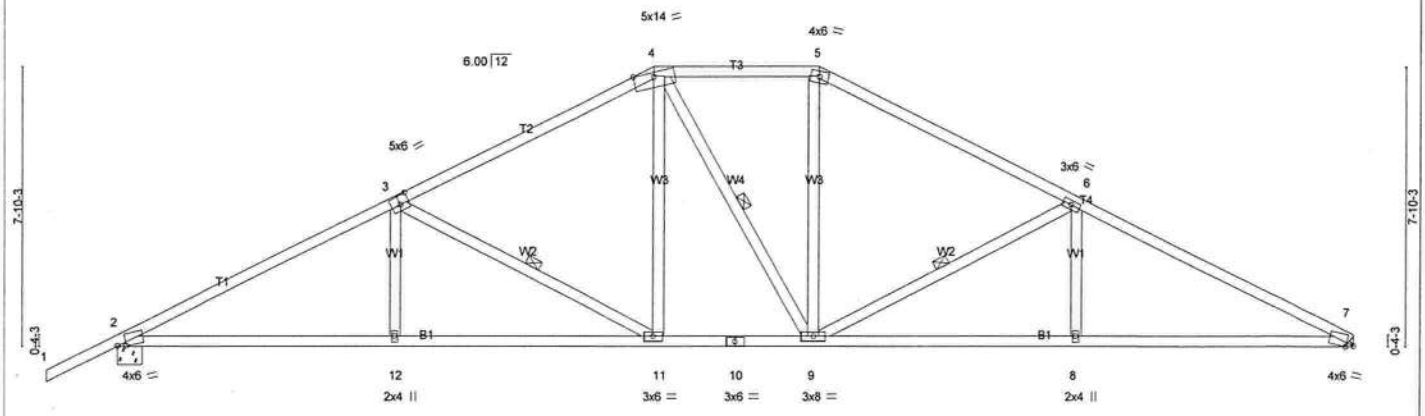
Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T12	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:53 2007 Page 1

-2-0-0 | 7-9-4 | 15-0-0 | 19-7-8 | 26-10-4 | 34-7-8

2-0-0 | 7-9-4 | 7-2-12 | 4-7-8 | 7-2-12 | 7-9-4

Scale = 1:61.1
Camber = 1/8 in



7-9-4 | 15-0-0 | 19-7-8 | 26-10-4 | 34-7-8

7-9-4 | 7-2-12 | 4-7-8 | 7-2-12 | 7-9-4

Plate Offsets (X,Y): [2:0-2-13,0-0-11], [3:0-3-0,0-3-0], [7:0-2-9,0-0-11]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.20	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.33	7-8	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.26	Horz(TL)	0.12	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 181 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-7-9 oc bracing.
WEBS 1 Row at midpt 3-11, 4-9, 6-9

REACTIONS (lb/size) 7=1430/Mechanical, 2=1564/0-8-0
Max Horz 2=168(load case 5)
Max Uplift7=-452(load case 6), 2=-588(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-2577/745, 3-4=-1886/598, 4-5=-1618/611, 5-6=-1896/611, 6-7=-2643/805
BOT CHORD 2-12=-661/2203, 11-12=-662/2198, 10-11=-359/1612, 9-10=-359/1612, 8-9=-619/2279, 7-8=-619/2279
WEBS 3-12=0/254, 3-11=-682/348, 4-11=-134/490, 4-9=-164/184, 5-9=-137/506, 6-9=-760/405, 6-8=0/274

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. 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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 452 lb uplift at joint 7 and 588 lb uplift at joint 2.

LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

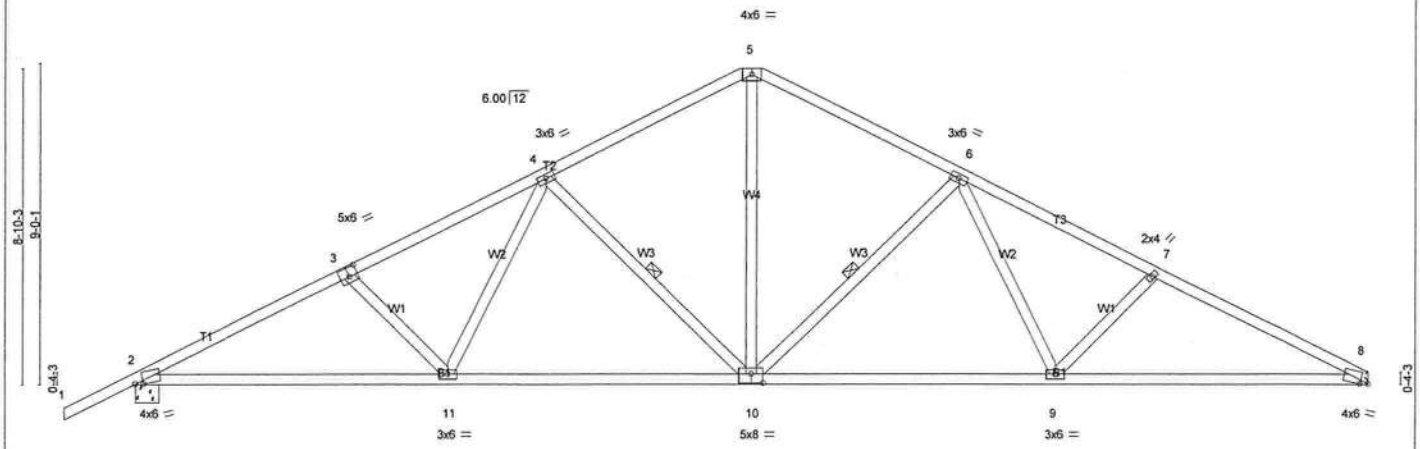
Dwg.#0328071483

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T13	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:55 2007 Page 1

-2-0-0	6-0-5	11-6-3	17-3-12	23-1-5	28-7-3	34-7-8
2-0-0	6-0-5	5-5-13	5-9-9	5-9-9	5-5-13	6-0-5

Scale = 1:61.1
Camber = 1/8 in



8-9-4	17-3-12	25-10-4	34-7-8
8-9-4	8-6-8	8-6-8	8-9-4

Plate Offsets (X,Y): [2:0-2-13,0-0-11], [3:0-3-0,0-3-0], [8:0-2-13,0-0-11], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.23	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.37	8-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.12	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 178 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-3-15 oc bracing.
WEBS 1 Row at midpt 4-10, 6-10

REACTIONS (lb/size) 8=1430/Mechanical, 2=1564/0-8-0
Max Horz 2=184(load case 5)
Max Uplift8=-465(load case 6), 2=-602(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-2574/801, 3-4=-2371/764, 4-5=-1676/616, 5-6=-1675/607, 6-7=-2434/817, 7-8=-2645/870
BOT CHORD 2-11=-742/2212, 10-11=-547/1856, 9-10=-453/1882, 8-9=-697/2311
WEBS 3-11=-231/217, 4-11=-111/482, 4-10=-610/344, 6-10=-644/368, 6-9=-158/544, 7-9=-290/259, 5-10=-350/1111

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 465 lb uplift at joint 8 and 602 lb uplift at joint 2.

LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

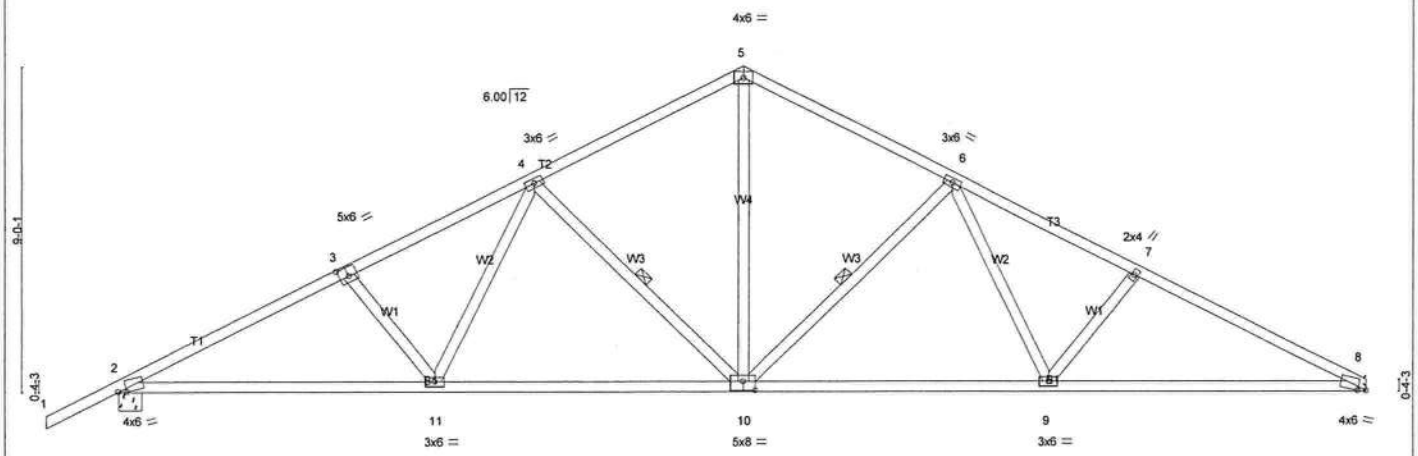
Dwg.#0328071484

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T14	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:56 2007 Page 1

-2-0-0	6-5-0	11-6-3	17-3-12	23-1-5	28-2-8	34-7-8
2-0-0	6-5-0	5-1-3	5-9-9	5-9-9	5-1-3	6-5-0

Scale = 1:60.3
Camber = 1/8 in



8-9-4	17-3-12	25-10-4	34-7-8
8-9-4	8-6-8	8-6-8	8-9-4

Plate Offsets (X,Y): [2:0-2-13,0-0-11], [3:0-3-0,0-3-0], [8:0-2-13,0-0-11], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	-0.23	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.39	8-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.46	Horz(TL)	0.11	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 178 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-4-14 oc bracing.
WEBS 1 Row at midpt 4-10, 6-10

REACTIONS (lb/size) 8=1430/Mechanical, 2=1564/0-8-0
Max Horz 2=184(load case 5)
Max Uplift8=-465(load case 6), 2=-602(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-2566/792, 3-4=-2375/775, 4-5=-1674/615, 5-6=-1674/606, 6-7=-2440/830, 7-8=-2629/857
BOT CHORD 2-11=-730/2201, 10-11=-545/1853, 9-10=-451/1879, 8-9=-679/2293
WEBS 3-11=-231/216, 4-11=-128/503, 4-10=-606/340, 5-10=-344/1103, 6-10=-640/364, 6-9=-178/566, 7-9=-285/255

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 465 lb uplift at joint 8 and 602 lb uplift at joint 2.

LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

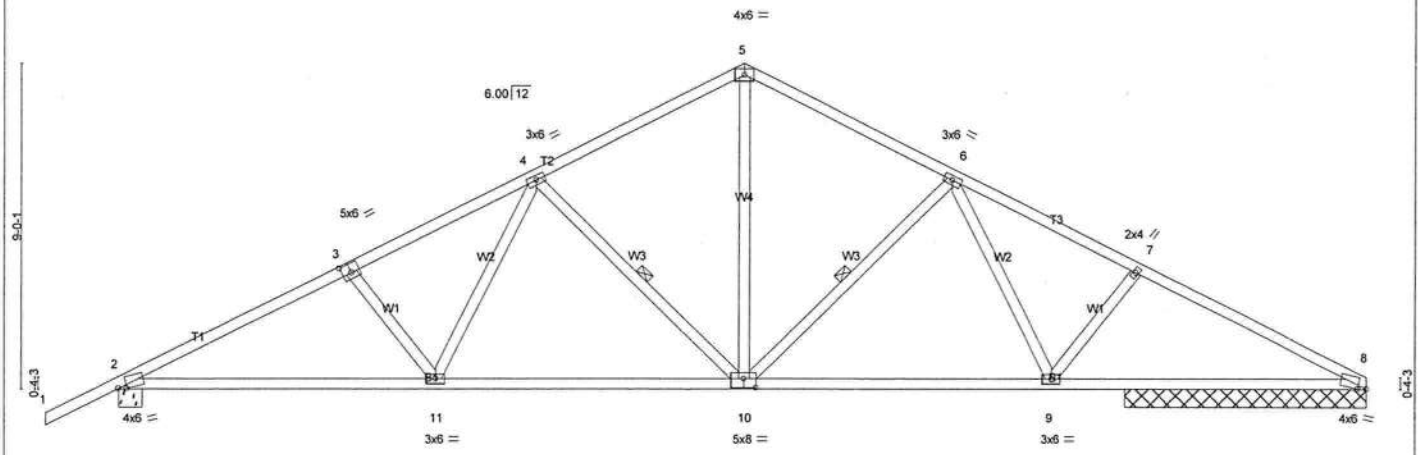
Dwg.#0328071485

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T15	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:57 2007 Page 1

-2-0-0	6-5-0	11-6-3	17-3-12	23-1-5	28-2-8	34-7-8
2-0-0	6-5-0	5-1-3	5-9-9	5-9-9	5-1-3	6-5-0

Scale = 1:60.3
Camber = 3/16 in



8-9-4	17-3-12	25-10-4	34-7-8
8-9-4	8-6-8	8-6-8	8-9-4

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.25	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.41	8-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.46	Horz(TL)	0.12	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 178 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-4-5 oc bracing.
WEBS 1 Row at midpt 4-10, 6-10

REACTIONS (lb/size) 8=1436/6-8-10, 2=1571/0-8-0
Max Horz 2=184(load case 5)
Max Uplift8=-468(load case 6), 2=-603(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-2577/795, 3-4=-2387/778, 4-5=-1687/619, 5-6=-1686/610, 6-7=-2481/843, 7-8=-2677/873
BOT CHORD 2-11=-732/2211, 10-11=-548/1864, 9-10=-457/1903, 8-9=-697/2347
WEBS 3-11=-230/216, 4-11=-128/502, 4-10=-606/340, 5-10=-348/1114, 6-10=-655/370, 6-9=-188/593, 7-9=-313/266

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 468 lb uplift at joint 8 and 603 lb uplift at joint 2.

LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071486

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T16	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:33:59 2007 Page 1

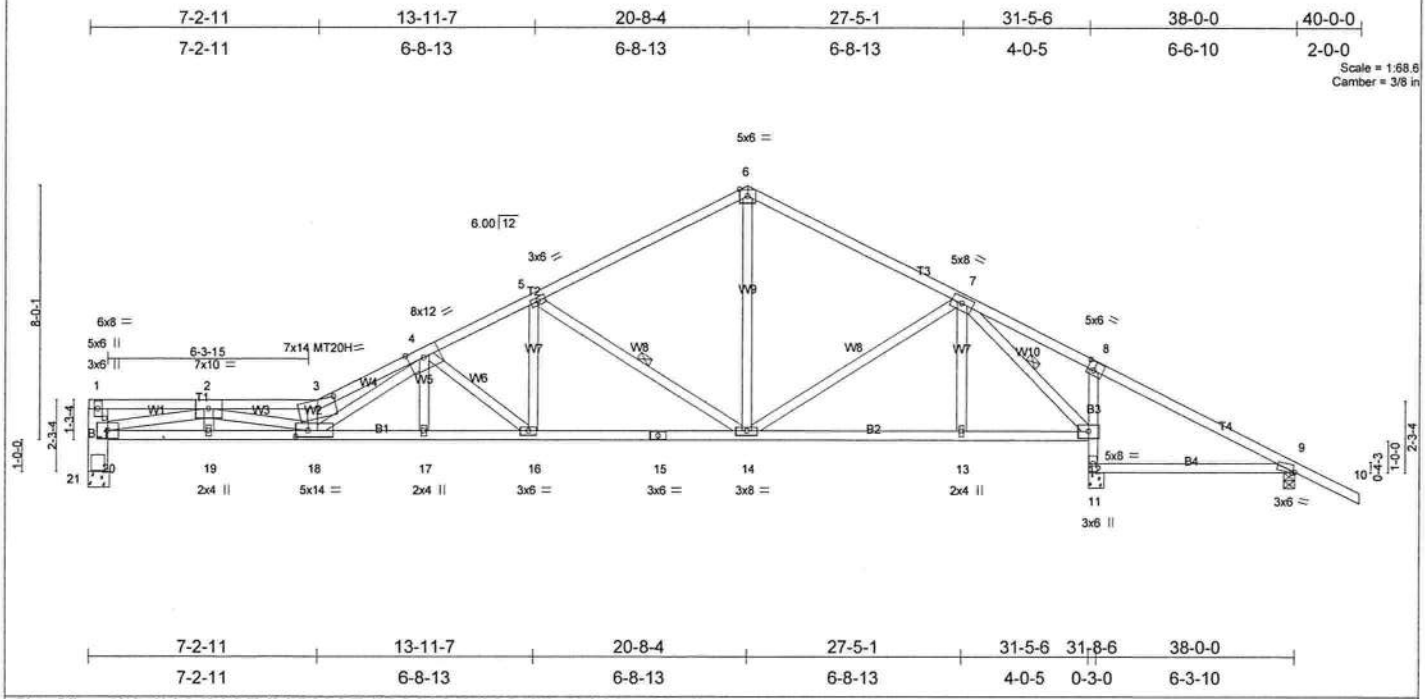


Plate Offsets (X,Y): [1:0-3-10,0-2-7], [3:0-7-0,0-3-7], [8:0-2-8,0-3-4], [9:0-0-13,Edge], [18:0-4-11,0-2-3]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.98	Vert(LL)	-0.63	17-18	>594	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-1.01	17-18	>371	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.83	Horz(TL)	-0.23	21	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 212 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B1 2 X 4 SYP No.1D, B3 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3 *Except*
W4 2 X 4 SYP No.2
OTHERS 2 X 8 SYP 2400F 2.0E

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-14, 7-12

REACTIONS (lb/size) 11=2043/0-6-0, 9=-7/0-4-0, 21=1224/0-8-0
Max Horz 11=-248(load case 6)
Max Uplift11=-724(load case 6), 9=-183(load case 9), 21=-293(load case 6)
Max Grav 11=2043(load case 1), 9=151(load case 10), 21=1224(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 20-21=-1184/334, 1-20=0/63, 1-2=-606/166, 2-3=-6044/1638, 3-4=-7287/2017, 4-5=-2409/686, 5-6=-1247/432, 6-7=-1248/412, 7-8=-254/1134, 8-9=-281/886, 9-10=0/47
BOT CHORD 19-20=-1077/3900, 18-19=-1077/3900, 17-18=-846/3214, 16-17=-846/3214, 15-16=-523/2118, 14-15=-523/2118, 13-14=-212/625, 12-13=-212/625, 11-12=-1972/666, 8-12=-217/209, 9-11=-700/370
WEBS 3-18=-3290/967, 5-16=-203/966, 5-14=-1269/409, 6-14=-154/649, 7-14=-56/561, 7-13=0/121, 7-12=-2295/631, 2-19=0/141, 2-18=-586/2238, 2-20=-3444/952, 4-17=-29/237, 4-18=-1174/4159, 4-16=-1385/407

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. 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) All plates are MT20 plates unless otherwise indicated.
5) Bearing at joint(s) 21 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 724 lb uplift at joint 11, 183 lb uplift at joint 9 and 293 lb uplift at joint 21.
7) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071487

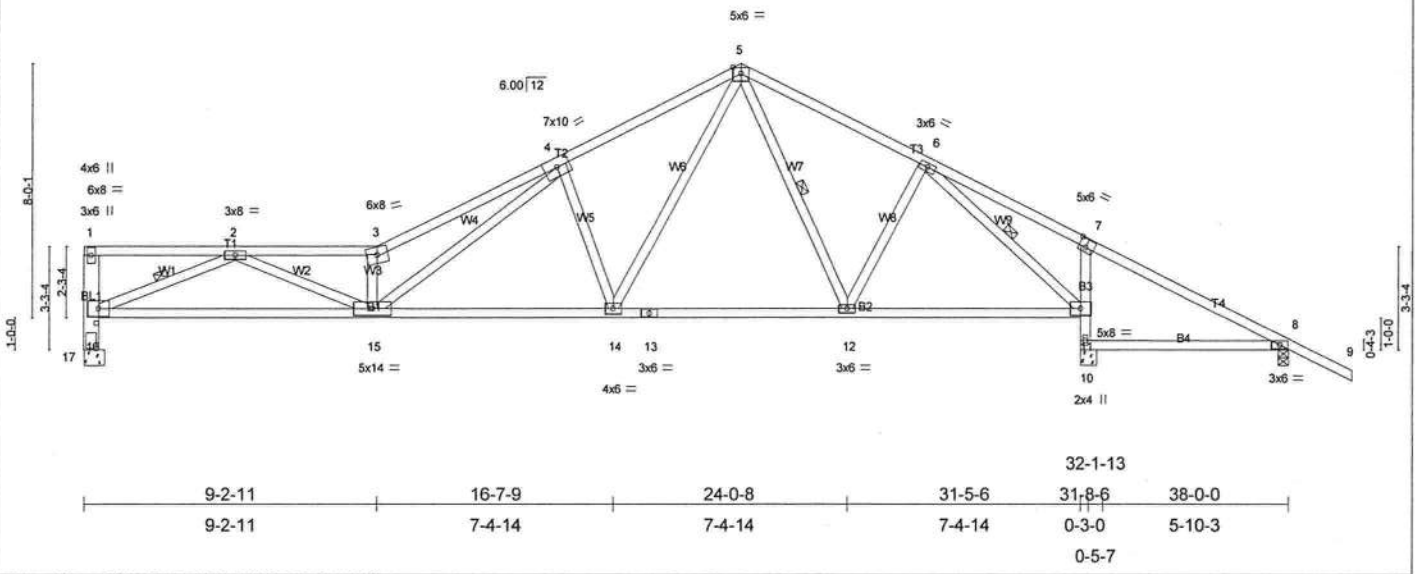
Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T17	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:34:01 2007 Page 1

4-9-1 | 9-2-11 | 14-11-7 | 20-8-4 | 26-5-1 | 31-5-6 | 36-7-7 | 38-0-0 | 40-0-0

4-9-1 | 4-5-9 | 5-8-13 | 5-8-13 | 5-8-13 | 5-0-5 | 5-2-1 | 1-4-9 | 2-0-0

Scale = 1:68.7
Camber = 1/4 in



32-1-13

9-2-11 | 16-7-9 | 24-0-8 | 31-5-6 | 31-8-6 | 38-0-0

9-2-11 | 7-4-14 | 7-4-14 | 7-4-14 | 0-3-0 | 5-10-3

0-5-7

Plate Offsets (X,Y): [7:0-2-12,0-3-4], [16:0-5-8,0-0-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.65	Vert(LL)	-0.41	14-15	>909	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-0.67	14-15	>565	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.92	Horz(TL)	-0.14	17	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 208 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
OTHERS 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-4-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 3-4-13 oc bracing.
WEBS 1 Row at midpt 2-16, 5-12, 6-11

REACTIONS (lb/size) 10=1843/0-6-0, 8=163/0-4-0, 17=1270/0-8-0
Max Horz 10=-280(load case 6)
Max Uplift10=-674(load case 6), 8=-208(load case 6), 17=-302(load case 6)
Max Grav 10=1843(load case 1), 8=243(load case 10), 17=1270(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 16-17=-1270/362, 1-16=-136/85, 1-2=-193/19, 2-3=-4071/1105, 3-4=-4784/1359, 4-5=-1981/643, 5-6=-1265/458, 6-7=-101/606, 7-8=-188/505, 8-9=0/47
BOT CHORD 15-16=-724/2440, 14-15=-541/2034, 13-14=-271/1104, 12-13=-271/1104, 11-12=-323/932, 10-11=-1757/613, 7-11=-302/263, 8-10=-367/288
WEBS 2-16=-2453/769, 2-15=-419/1793, 3-15=-2359/747, 4-14=-962/384, 5-14=-367/1296, 5-12=-158/99, 6-12=0/393, 6-11=-1950/541, 4-15=-803/2865

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. 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) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 674 lb uplift at joint 10, 208 lb uplift at joint 8 and 302 lb uplift at joint 17.
6) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.

LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

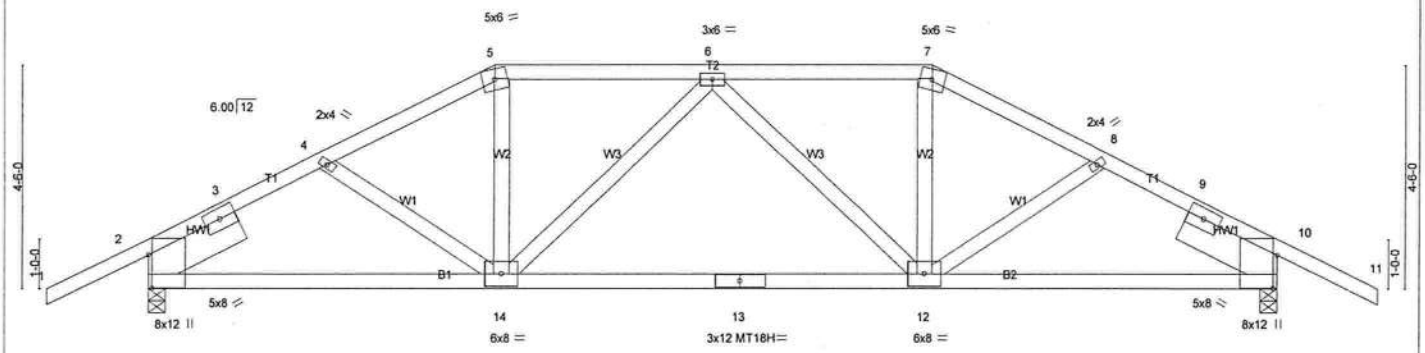
Dwg.#0328071488

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T18	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:34:02 2007 Page 1

-2-0-0	3-7-12	7-0-0	11-5-0	15-10-0	19-2-4	22-10-0	24-10-0
2-0-0	3-7-12	3-4-4	4-5-0	4-5-0	3-4-4	3-7-12	2-0-0

Scale = 1:44.0
Camber = 1/4 in



7-0-0	15-10-0	22-10-0
7-0-0	8-10-0	7-0-0

Plate Offsets (X,Y): [2:0-8-1,Edge], [10:0-8-1,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	0.83	Vert(LL)	-0.36	12-14	>754	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.61	12-14	>449	180	MT18H	244/190
BCLL	10.0	Rep Stress Incr	NO	WB	0.30	Horz(TL)	0.09	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 131 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.1D *Except* T2 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 8 SYP No.1D 2-1-8, Right 2 X 8 SYP No.1D 2-1-8

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-6-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-1-12 oc bracing.

REACTIONS (lb/size) 2=2041/0-4-0, 10=2041/0-4-0
Max Horz 2=-71(load case 5)
Max Uplift2=-1187(load case 4), 10=-1187(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/16, 2-3=-3015/1594, 3-4=-2941/1592, 4-5=-3146/1693, 5-6=-2861/1592, 6-7=-2861/1592, 7-8=-3146/1693, 8-9=-2941/1592, 9-10=-3014/1594, 10-11=0/16
BOT CHORD 2-14=-1285/2409, 13-14=-1695/3110, 12-13=-1695/3110, 10-12=-1225/2409
WEBS 4-14=-312/584, 5-14=-464/921, 6-14=-417/341, 6-12=-417/341, 7-12=-463/921, 8-12=-313/584

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1187 lb uplift at joint 2 and 1187 lb uplift at joint 10.
6) Girder carries hip end with 7-0-0 end setback.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 15-10-0, and 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-7=-118(F=-64), 7-11=-54, 2-14=-30, 12-14=-66(F=-36), 10-12=-30
Concentrated Loads (lb)
Vert: 14=-539(F) 12=-539(F)

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071489

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T19	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:34:03 2007 Page 1

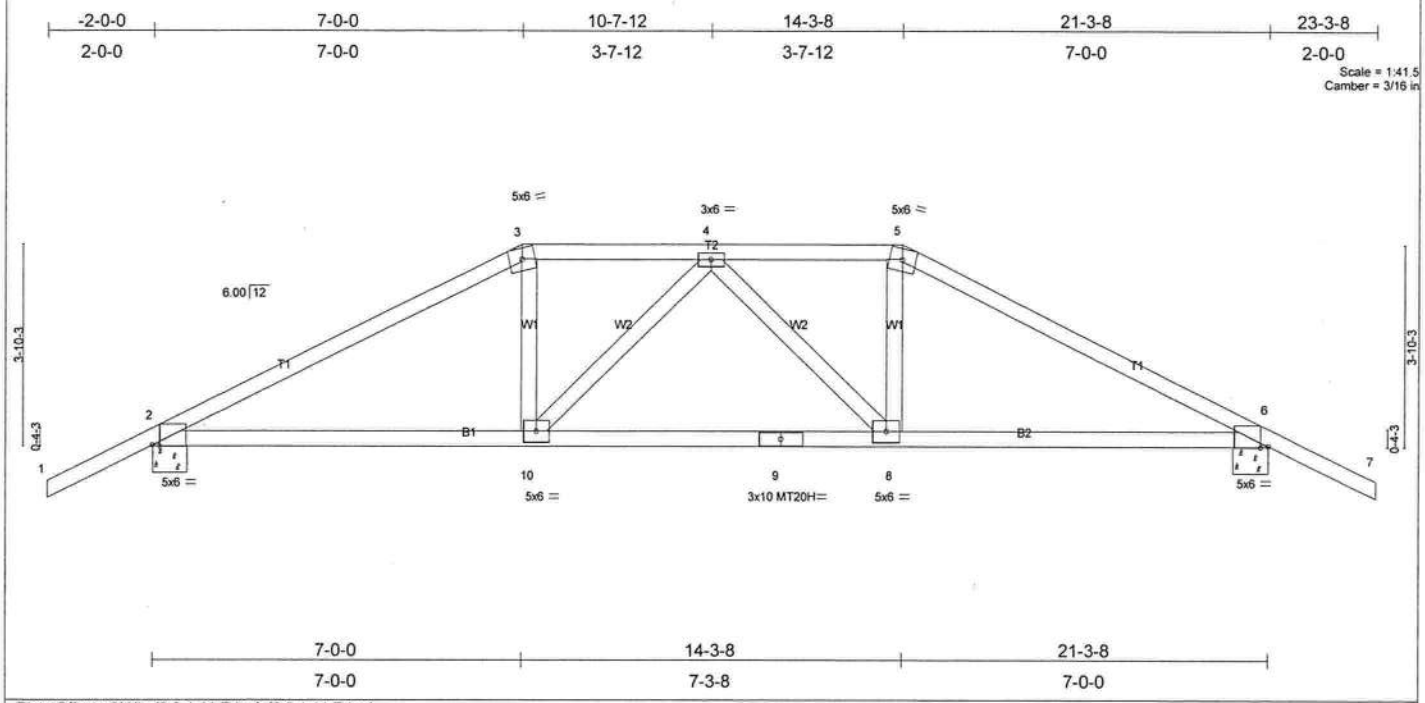


Plate Offsets (X,Y): [2:0-1-11,Edge], [6:0-1-11,Edge]

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)	-0.24	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.95	Vert(TL)	-0.40	8-10	>614	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.37	Horz(TL)	0.10	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 96 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-1-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-7-4 oc bracing.

REACTIONS (lb/size) 2=1890/0-8-0, 6=1890/0-8-0
Max Horz 2=-87(load case 5)
Max Uplift2=-859(load case 4), 6=-859(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-3312/1315, 3-4=-2897/1242, 4-5=-2897/1242, 5-6=-3312/1315, 6-7=0/48
BOT CHORD 2-10=-1113/2851, 9-10=-1276/3073, 8-9=-1276/3073, 6-8=-1072/2851
WEBS 3-10=-411/1150, 4-10=-358/303, 4-8=-358/303, 5-8=-411/1150

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 859 lb uplift at joint 2 and 859 lb uplift at joint 6.
6) Girder carries hip end with 7-0-0 end setback.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 14-3-8, and 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-118(F=-64), 5-7=-54, 2-10=-30, 8-10=-66(F=-36), 6-8=-30
Concentrated Loads (lb)
Vert: 10=-539(F) 8=-539(F)

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

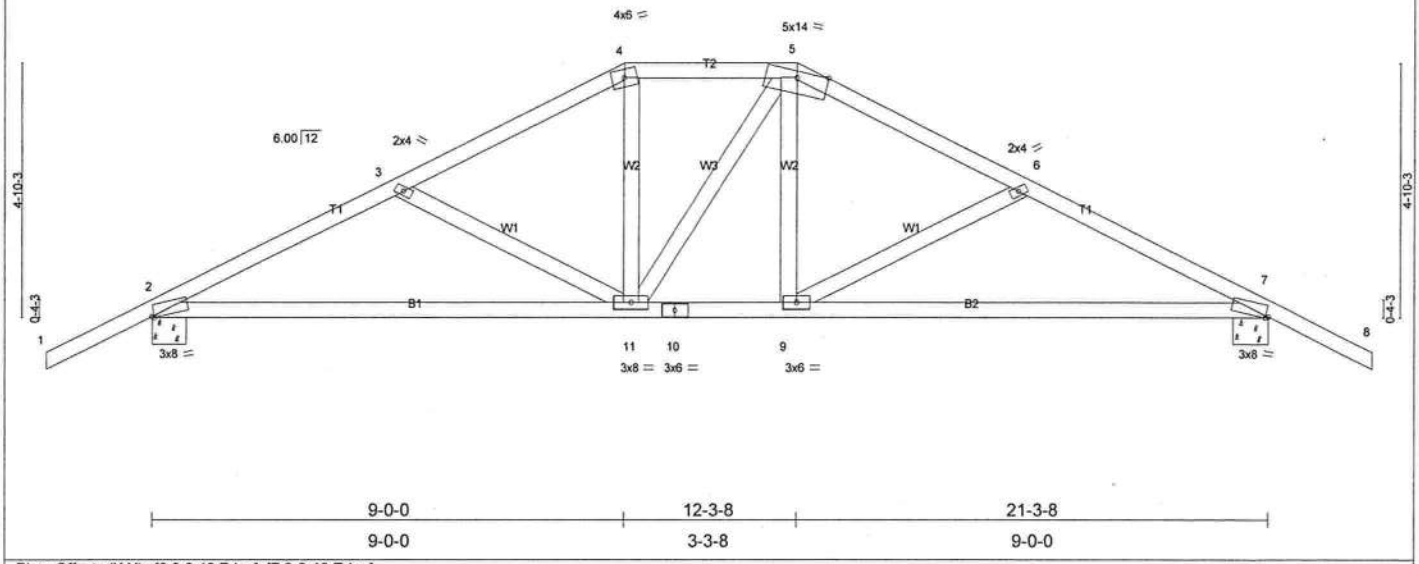
Dwg.#0328071490

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T20	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:34:04 2007 Page 1

-2-0-0 | 4-9-4 | 9-0-0 | 12-3-8 | 16-6-4 | 21-3-8 | 23-3-8
2-0-0 | 4-9-4 | 4-2-12 | 3-3-8 | 4-2-12 | 4-9-4 | 2-0-0

Scale = 1:41.5
Camber = 1/8 in



9-0-0 | 12-3-8 | 21-3-8
9-0-0 | 3-3-8 | 9-0-0

Plate Offsets (X,Y): [2:0-0-10,Edge], [7:0-0-10,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	0.34	Vert(LL)	-0.15	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.26	7-9	>967	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 108 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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=992/0-8-0, 7=992/0-8-0
Max Horz 2=101(load case 5)
Max Uplift2=-409(load case 6), 7=-409(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-1367/415, 3-4=-1133/323, 4-5=-971/333, 5-6=-1132/323, 6-7=-1367/415, 7-8=0/48
BOT CHORD 2-11=-330/1171, 10-11=-142/970, 9-10=-142/970, 7-9=-255/1171
WEBS 3-11=-240/189, 4-11=-58/290, 5-11=-95/98, 5-9=-40/282, 6-9=-241/189

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 409 lb uplift at joint 2 and 409 lb uplift at joint 7.

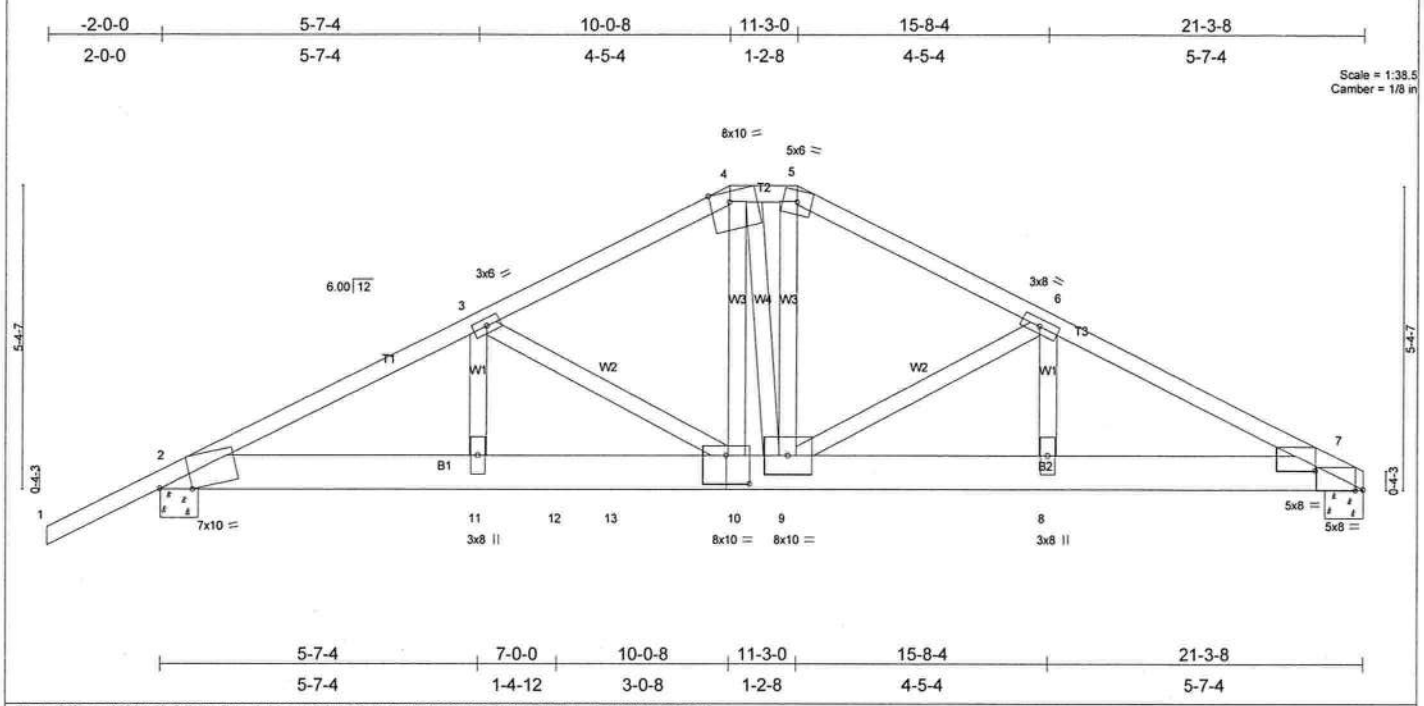
LOAD CASE(S) Standard

MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0328071491

Job	Truss	Truss Type	Qty	Ply	CASH ACCOUNT - WILLIAM BROWN
L231110	T21	HIP	1	2	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Mar 28 14:34:05 2007 Page 1



5-7-4	7-0-0	10-0-8	11-3-0	15-8-4	21-3-8
5-7-4	1-4-12	3-0-8	1-2-8	4-5-4	5-7-4

Plate Offsets (X,Y): [2:0-6-11,Edge], [4:0-4-3,Edge], [7:0-10-0,0-3-15], [7:0-1-11,Edge], [10:0-5-0,0-6-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.76	Vert(LL)	-0.22	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0.36	10-11	>691	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.64	Horz(TL)	0.07	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 292 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-11-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 7=7850/0-8-0, 2=5879/0-8-0
Max Horz 2=141(load case 4)
Max Uplift7=-2923(load case 5), 2=-2261(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-12213/4466, 3-4=-9476/3559, 4-5=-8672/3304, 5-6=-9611/3598, 6-7=-13075/4856
BOT CHORD 2-11=-3960/10814, 11-12=-3960/10814, 12-13=-3960/10814, 10-13=-3960/10814, 9-10=-3068/8534, 8-9=-4257/11609, 7-8=-4257/11609
WEBS 3-11=-841/2449, 3-10=-2783/1079, 4-10=-1337/3605, 4-9=-455/723, 5-9=-1487/3978, 6-9=-3559/1418, 6-8=-1189/3179

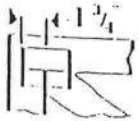
NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 2 rows at 0-4-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied 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) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2923 lb uplift at joint 7 and 2261 lb uplift at joint 2.
7) Girder carries tie-in span(s): 34-7-8 from 8-0-0 to 21-3-8
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3174 lb down and 1198 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-54, 5-7=-54, 2-13=-30, 7-13=-701(F=-671)
Concentrated Loads (lb)
Vert: 12=-3174(F)

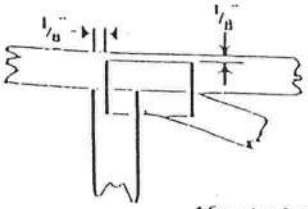
MARCH 28,2007 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Symbols

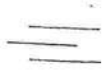
PLATE LOCATION AND ORIENTATION



* Center plate on joint unless dimensions indicate otherwise. Dimensions are in inches. Apply plates to both sides of truss and securely seal.



* For 4 x 2 orientation, locate plates 1/8" from outside edge of truss and vertical web.



* This symbol indicates the required direction of slots in connector plates.

PLATE SIZE

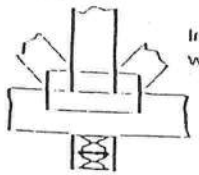
4 X 4

The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING

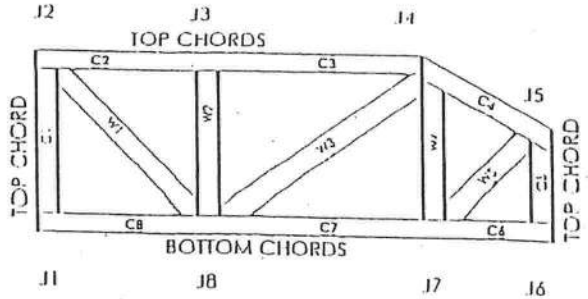
Indicates location of required continuous lateral bracing.

BEARING



Indicates location of joints at which bearings (supports) occur.

Numbering System



JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

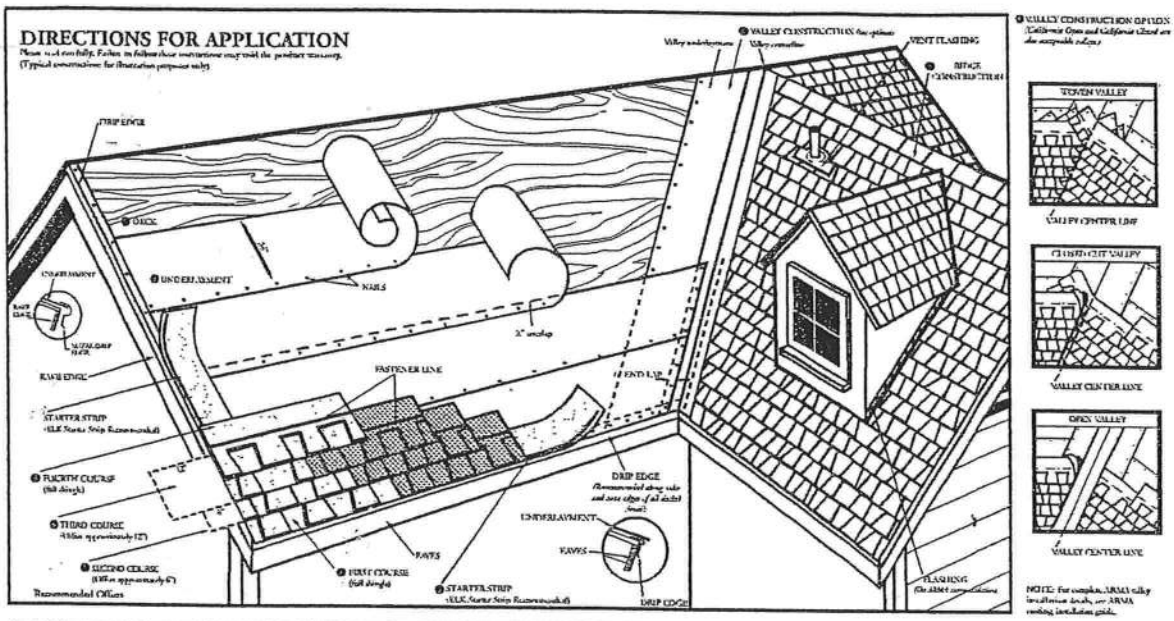
BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DILHR	960022-W, 970036-H
HER	561

MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at ¼ panel length (± 6" from adjacent joint.)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.



DIRECTIONS FOR APPLICATION

These application instructions are the minimum required to meet Elk's application requirements. Your failure to follow these instructions may void the product warranty. In some areas, the building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements that are less than those printed here. Shingles should not be jammed tightly together. All attics should be properly ventilated. Note: It is not necessary to remove tape on back of shingle.

❶ DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 6" boards or exterior grade plywood minimum 3/8" thick and conform to the specifications of the American Plywood Association or 7/16" oriented strandboard, or 7/16" chipboard.

❷ UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt). Elk Versashield® or self adhering underlayment is also acceptable. Cover drip edge at eaves only.

For low slope(2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 19". Begin by fastening a 19" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

EAVE FLASHING FOR ICE DAMS (ASK A ROOFING CONTRACTOR, REFER TO ARMA MANUAL OR CHECK LOCAL CODES)

For standard slope (4/12 to less than 21/12), use coated roll roofing of no less than 50 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

For low slope (2/12 up to 4/12), use a continuous layer of asphalt plastic cement between the two plies of underlayment from the eave edge up roof to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

Consult the Elk Technical Services Department for application specifications over other decks and other slopes.

❸ STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR THE HEADLAP OF A STRIP SHINGLE WITH THE ADHESIVE STRIP POSITIONED AT THE EAVE EDGE. With at least 3" trimmed from the end of the first shingle, start at the rake edge overhanging the eave and rake edges 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side.

❹ FIRST COURSE

Start at rake and continue course with full shingles laid flush with the starter course. Shingles may be applied with a course alignment of 45° on the roof

❺ SECOND COURSE

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

❻ THIRD COURSE

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

❼ FOURTH COURSE

Start at the rake and continue with full shingles across roof.

FIFTH AND SUCCEEDING COURSES.

Repeat application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof. Offsets may be adjusted around valleys and penetrations.

❽ VALLEY CONSTRUCTION

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures. For metal valleys, use 36" wide vertical underlayment prior to applying metal flashing (secure edge with nails). No nails are to be within 6" of valley center.

❾ RIDGE CONSTRUCTION

For ridge construction Elk recommends Class "A" Z²Ridge or Seal-A-Ridge² with formula *FLX*™ or RidgeCrest® with *FLX* (See ridge package for installation instructions). Vented RidgeCrest or 3-tab shingles are also approved.

FASTENERS

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

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

NAILS: Corrosive resistant, 3/8" head, minimum 12-gauge roofing nails. Elk recommends 1-1/4" for new roofs and 1-1/2" for roof-overs. In cases where you are applying shingles to a roof that has an exposed overhang, for new roofs only, 3/4" ring shank nails are allowed to be used from the eave's edge to a point up the roof that is past the outside wall line. 1" ring shank nails allowed for re-roof.

STAPLES: Corrosive resistant, 16-gauge minimum, crown width minimum of 15/16". Note: An improperly adjusted staple gun can result in raised staples that can cause a fish-mouthed appearance and can prevent sealing.

Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less. This product meets the requirements of the IRC 2003 code when fastened with 4 nails.

MANSARD APPLICATIONS

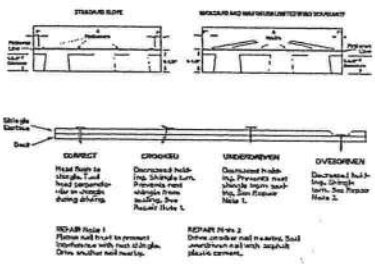
Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only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

LIMITED WIND WARRANTY

- For a Limited Wind Warranty, all Prestique and Raised Profile™ shingles must be applied with 4 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.
- For a Limited Wind Warranty up to 110 MPH for Prestique Gallery Collection or Prestique Plus or 90 MPH for Prestique I, shingles must be applied with 6 properly placed NAILS per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY. Also, Elk Starter Strip shingles must be applied at the eaves and rake edges to qualify Prestique Plus, Prestique Gallery Collection and Prestique I shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Shingles or the Elk Starter Strip overhang the eaves or rake edge more than 3/4 of an inch.

HELP STOP BLOW-OFFS AND CALL-BACKS

A minimum of four fasteners must be driven into the DOUBLE THICKNESS (laminated) area of the shingle. Nails or staples must be placed along – and through – the "fastener line" or on products without fastener lines, nail or staple between and in line with sealant dots. CAUTION: Do not use fastener line for shingle alignment.



Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified.

All Prestique and Raised Profile shingles have a U.L.® Wind Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new construction.

CAUTION TO WHOLESALER: Careless and improper storage or handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

ELK
The Premium Choice
www.elkcorp.com

00RS

MIAMI-DADE

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2555

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Premdor Entry Systems
One Premdor Drive
Dickson ,TN 37055

Your application for Notice of Acceptance (NOA) of:
Entergy SE Double Door w/sidelite-Inswing -Opaque-8'0" In a Wood Frame
under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-1031.06
EXPIRES: 11/05/2006

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 12/11/2001

Premdor Entry Systems

ACCEPTANCE No.: 01-1031.06

APPROVED: December 11, 2001

EXPIRES: November 5, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This renews Notice of Acceptance (NOA) No. 00-0720.10, which was issued on November 09, 2000. It renews the approval of a residential insulated steel door, as described in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The Series **"Entergy" Inswing Opaque Double Residential Insulated Steel Doors(Metal Edge) with Sidelites 8' 0" High - Impact Resistant Door Slab Only** and its components shall be constructed in strict compliance with the following document: Drawing No 31-1034-EM-I, Sheets 1 through 6 of 6, titled "Premdor (Entergy Metal Edge) Double Door w/ Sidelites in Wood Frame w/ Bumper Threshold – 8' 0" Height (Inswing)," prepared by manufacturer, dated 6/15/98 and revised on 7/27/01, bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications of pair of doors and single door with sidelites, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.

3.2 Unit shall be installed only at locations protected by a canopy or overhang such that the angle between the edge of canopy or overhang to sill is less than 45 degrees. Unless unit is installed in non-habitable areas where the unit and the area are designed to accept water infiltration.

4. INSTALLATION

4.1 The residential insulated steel door and its components shall be installed in strict compliance with the approved drawings.

4.2 Hurricane protection system (shutters):
Door Slab: The installation of this unit <u>will not require</u> a hurricane protective system.
Sidelites: The installation of these units <u>will require</u> a hurricane protective system.

5. LABELING

5.1 Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

Raul Rodriguez, Chief
Product Control Division

Premdor Entry Systems

ACCEPTANCE No.: 01-1031.06

APPROVED: December 11, 2001

EXPIRES: November 5, 2006

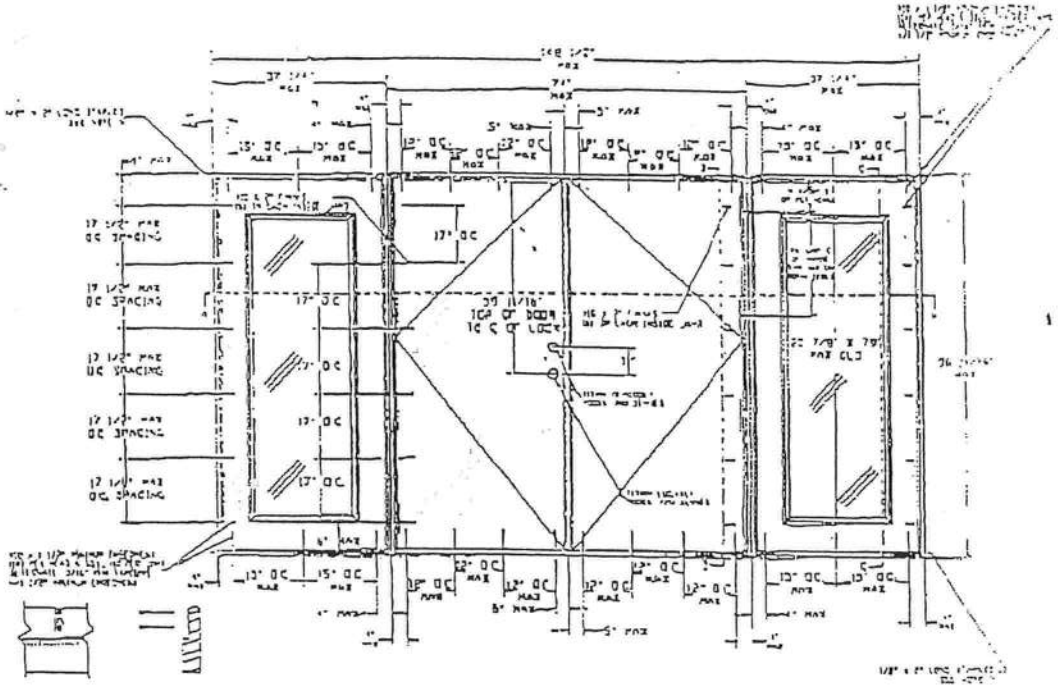
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
   a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
   b) The product is no longer the same product (identical) as the one originally approved;
   c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
   d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance.
   a) Unsatisfactory performance of this product or process.
   b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

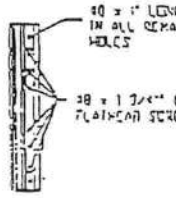
END OF THIS ACCEPTANCE

Raul Rodriguez, Chief
Product Control Division

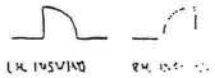
PREMDOR (ENTERGY METAL EDGE) DOUBLE DOOR WITH SIDELITES IN WOOD FRAMES WITH BUMPER THRESHOLD-6'0" HEIGHT (INSWING)



ATTACH ASTRAGAL THRU BOLT STRIKE PLATE TO THE HEADER AND THRESHOLD WITH #12 x 2" FLATHEAD SCREWS



ASTRAGAL



NOTES:

1) WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE. 2) THE FOLLOWING DRAWINGS ARE INTENDED TO QUALIFY THE FOLLOWING INSTALLATIONS.

A. WOOD FRAME CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY WOOD OPENING

B MASONRY OR CONCRETE CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY STRUCTURAL WOOD BUCK

C. MASONRY OR CONCRETE CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED DIRECTLY TO CONCRETE OR MASONRY WITH OR WITHOUT A NON-STRUCTURAL FAT BY WOOD BUCK.

3. ALL ANCHORING SCREWS TO BE #10 WITH MINIMUM 1 1/2" EMBEDMENT INTO WOOD SUBSTRATE OR 3/16" PDH TAPCONS WITH 1 3/4" MINIMUM EMBEDMENT INTO MASONRY

4. GLAZED UNIT MUST BE INSTALLED WITH "MIAMI-DADE COUNTY APPROVED" SPACERS

5. USE 6 STAPLES PER SIDE JAMB INTO HEADER ON SIDELITES AND DOOR, THREE STAPLES PER JAMB INTO THRESHOLD ON SIDELITES AND DOOR

6. LATEX SEALANT TO BE APPLIED AT SIDE BY SIDE JAMBS AND SIDELITES

7. DOOR/SIDELITE HEADER, DOOR/SIDELITE JAMBS, AND SIDELITE BASE CORNERS ARE COPED AND BUTTED

8. DOORS SHALL BE PRE-PRIMED WITH AN ACRYLIC LATEX WATER-BASED/ WATER-REDUCIBLE WHITE PRIMER WITH A DRY FILM THICKNESS OF 0.8 TO 1.2 MIL.

9 FRAMES SHALL BE PRE-PRIMED WITH A WATER-BASED EPOXY PRIMER WITH A DRY FILM THICKNESS OF 1.0 TO 1.2 MIL.

DESIGN PRESSURE RATING		
	WHERE WATER INFILTRATION REQUIREMENT IS MET(D) x	WHERE WATER INFILTRATION REQUIREMENT IS NOT MET(D)
Positive	NOT APPROVED x	+40.0 PSF
Negative	NOT APPROVED x	-40.0 PSF

x UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG SUCH THAT THE ANGLE BETWEEN THE CENTER OF CANOPY OR OVERHANG TO SILL IS LESS THAN 45 DEGREES UNLESS UNIT IS INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT AND THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION.

PRODUCT RENEWED

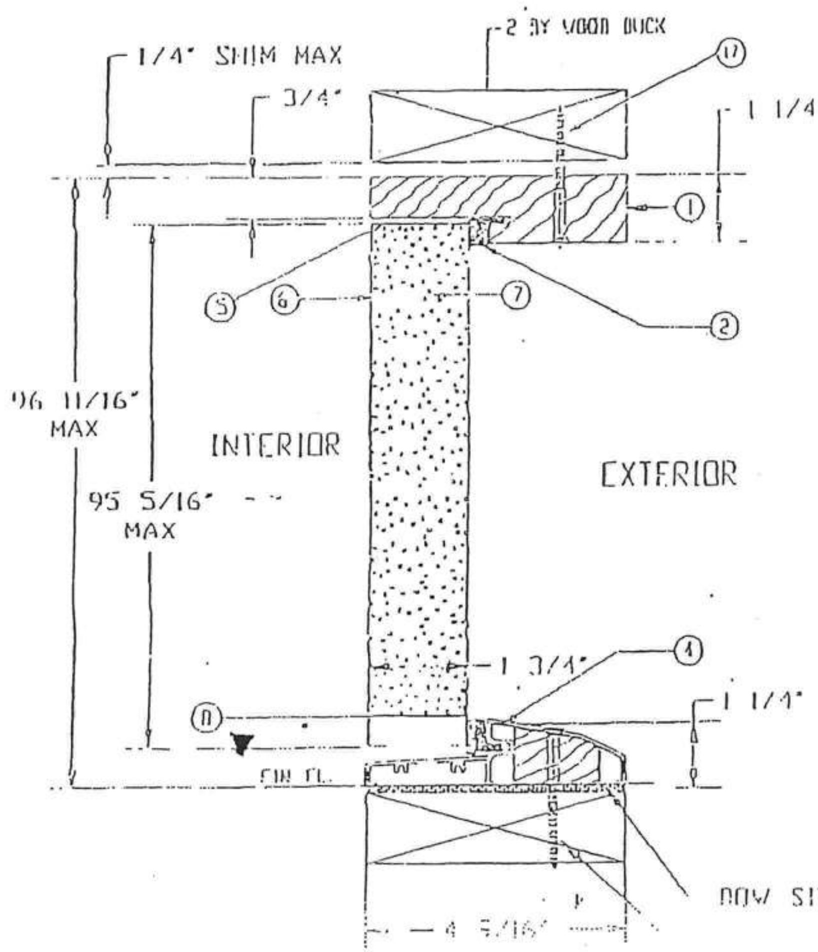
ACCEPTANCE NO. 01-1031.06

EXPIRATION DATE: November 5, 2006

BY: PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE

ENGINEER			
PREMDOR ENTRY SYSTEMS		01-1034-EM-1 SHEET 1 OF 6	

SECTION A-A
INSWING
EXTERIOR
OTHER CONFIGURATIONS
GLAZING DETAIL
PRODUCT RENEWED



SECTION B-B

MATERIALS LIST

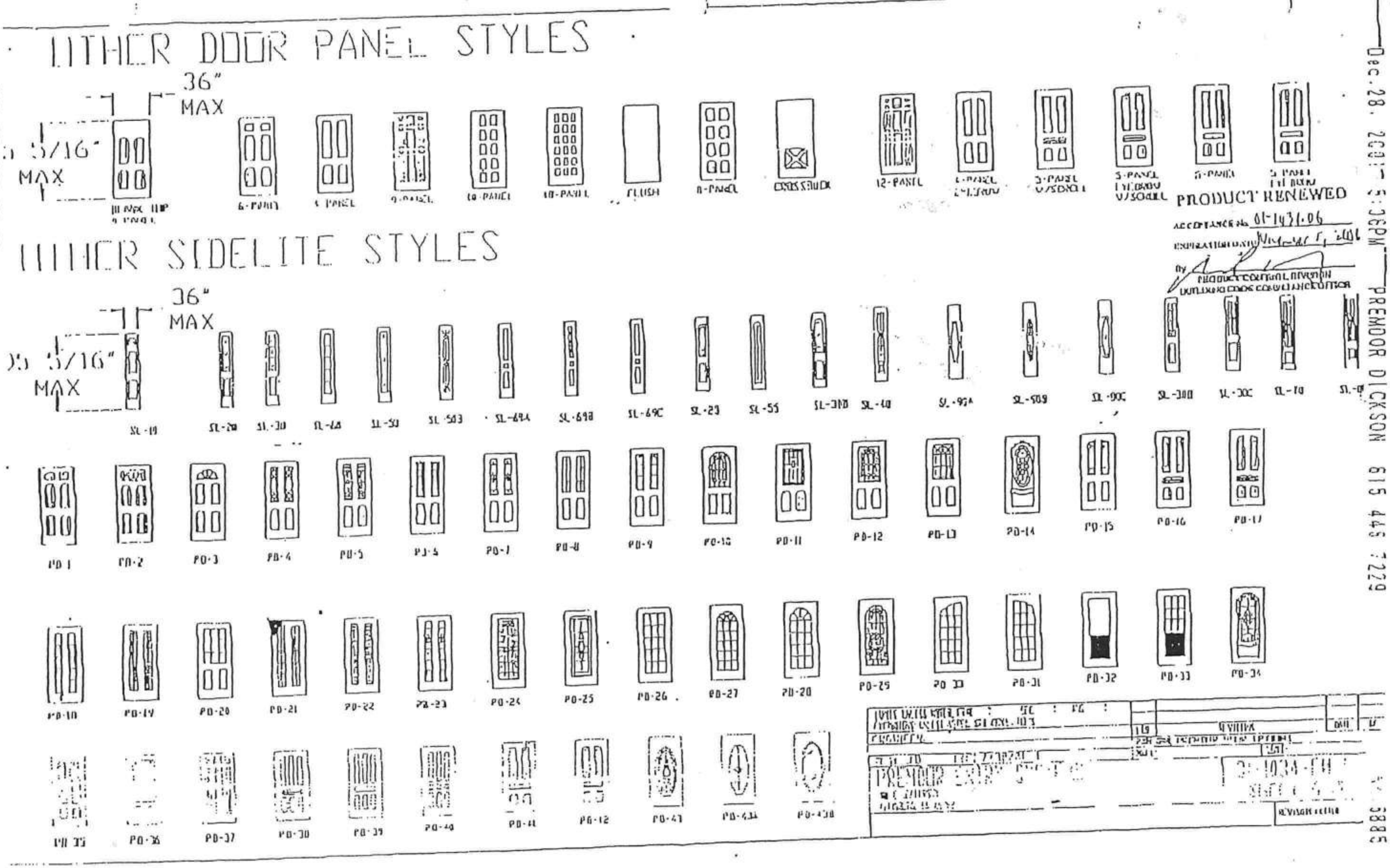
ITEM NO.	DESCRIPTION	PART NUMBER	COMMENTS
1	WOOD HEAD JAMB	EX-14	1 1/4" X 4 9/16" MIN. TO BE PINE OR EQUIVALENT
2	COMPRESSION WEATHERSTRIP	EX-25	LOCKSCREEN BRAND LOXSEAL 9550 (NORMAL)
3	ALUMINUM ASTRAGAL	EX-12	PREMDOR BRAND OR EQUIVALENT - 5/8" ALUMINUM ASTRAGAL
4	ALUMINUM-BUMPER THRESHOLD	EX-15	PREMDOR BRAND OR EQUIVALENT - 1 1/4" x 4 9/16"
5	TOP CHANNEL	EX-08	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
6	STEEL SKIN	[illegible]	[illegible]
7	POLYURETHANE FOAM CORE	BASE FOAM - DENSITY 2.0 TO 2.5 lbs/FT³	
8	BOTTOM CHANNEL	EX-07	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
9	WOOD LOCK BLOCK	EX-05	4" X 9 1/2" MIN. TO BE PINE OR EQUIVALENT
10	STRIKE STILE	EX-05	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
11	HINGE STILE	EX-05	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
12	LOCK PREP FILLER PLATE	EX-13	PREMDOR BRAND - .050" THICK - [illegible]
13	4"x4" HINGE	EX-15	HAGER BRAND HINGE OR EQUIVALENT .097 THICK (STEEL)
14	WOOD HINGE JAMB	EX-13	1 1/4" X 4 9/16" MIN. TO BE PINE OR EQUIVALENT
15	#10-24 x 1/2" F.H.M.S.		(4) SCREWS PER HINGE INTO DOOR
16	#10 X 2" F.H.W.S.		[illegible]
17	[illegible]		REFER TO ELEVATION VIEW, FOR # OF SCREWS EACH AND LOCATION
18	#10 X 3/4" F.H.W.S.		(2) SCREWS PER HINGE INTO JAMB
19	#8 x 2" F.H.W.S.		(2) SCREWS AT EACH STRIKE PLATE
20	LOCKSET		TITAN LOCK 720 SERIES, TITAN DEADBOLT 700 SERIES
21	#10 X 1 3/4" F.H.W.S.		(2) SCREWS PER HINGE INTO JAMB
22	WOOD SIDELITE JAMB	EX-10	1 1/4" X 4 9/16" MIN. TO BE PINE OR EQUIVALENT
23	22" X 00" SINGLE PANEL GLASS	EX-19	TEMPERED GLASS IN POLYPROPYLENE FRAME [illegible]
24	SIDELITE TRIM (WOOD)	EX-20	5/16 x 1/2" MIN. TO BE PINE OR EQUIVALENT
25	WOOD CASING	EX-21	[illegible]
26	WOOD SIDELITE HEAD JAMB	EX-22	1 1/4" X 4 9/16" MIN. TO BE PINE OR EQUIVALENT
27	WOOD SIDELITE BASE	EX-23	1 1/4" X 4 9/16" MIN. TO BE PINE OR EQUIVALENT
28	POLYPROPYLENE LITE FRAME	[illegible]	HP Polypropylene by ODL
29	#6 X 1 1/2" PAN HEAD SCREWS		10 PER FRAME [illegible]
30	SIDELITE STILES	EX-26	15/16" X 1 11/16" MIN. TO BE PINE OR EQUIVALENT
31	PIN NAIL		[illegible]

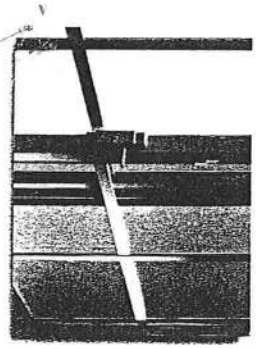
D	DADE COUNTY MODIFICATIONS		
C	ADDED TEST RESULTS		
B	ADDED SHEET 3		
A	REDRAWN		

PRODUCT RENEWED
as complying with the Florida Building Code
Expiration Date
By
Product Control Division
Building Code Compliance Office

PREMDOR ENTRY SYSTEMS
MT. CARMEL
PITTSBURG, KS 12/02

01-1034-EM 1
SHEET 3 OF 6


OTHER DOOR PANEL STYLES
36" MAX
5/16" MAX
6-PANEL
4 PANEL
9-PANEL
10-PANEL
10-PANEL
FLUSH
8-PANEL
CROSSBUCK
12-PANEL
6-PANEL
3-PANEL
5-PANEL
5-PANEL
PRODUCT RENEWED
ACCEPTANCE No. 01-1031.06
PRODUCT CONTROL DIVISION
OTHER SIDELITE STYLES
36" MAX
5/16" MAX
SL-19
SL-20
SL-30
SL-40
SL-50
SL-503
SL-69A
SL-69B
SL-69C
SL-23
SL-55
SL-300
SL-40
SL-97A
SL-509
SL-90C
SL-300
SL-30C
SL-70
PD-1
PD-2
PD-3
PD-4
PD-5
PD-6
PD-7
PD-8
PD-9
PD-10
PD-11
PD-12
PD-13
PD-14
PD-15
PD-16
PD-17
PD-18
PD-19
PD-20
PD-21
PD-22
PD-23
PD-24
PD-25
PD-26
PD-27
PD-28
PD-29
PD-30
PD-31
PD-32
PD-33
PD-34
PD-35
PD-36
PD-37
PD-38
PD-39
PD-40
PD-41
PD-42
PD-43
PD-43A
PD-43B
PREMOOR ENTRY
REVISION

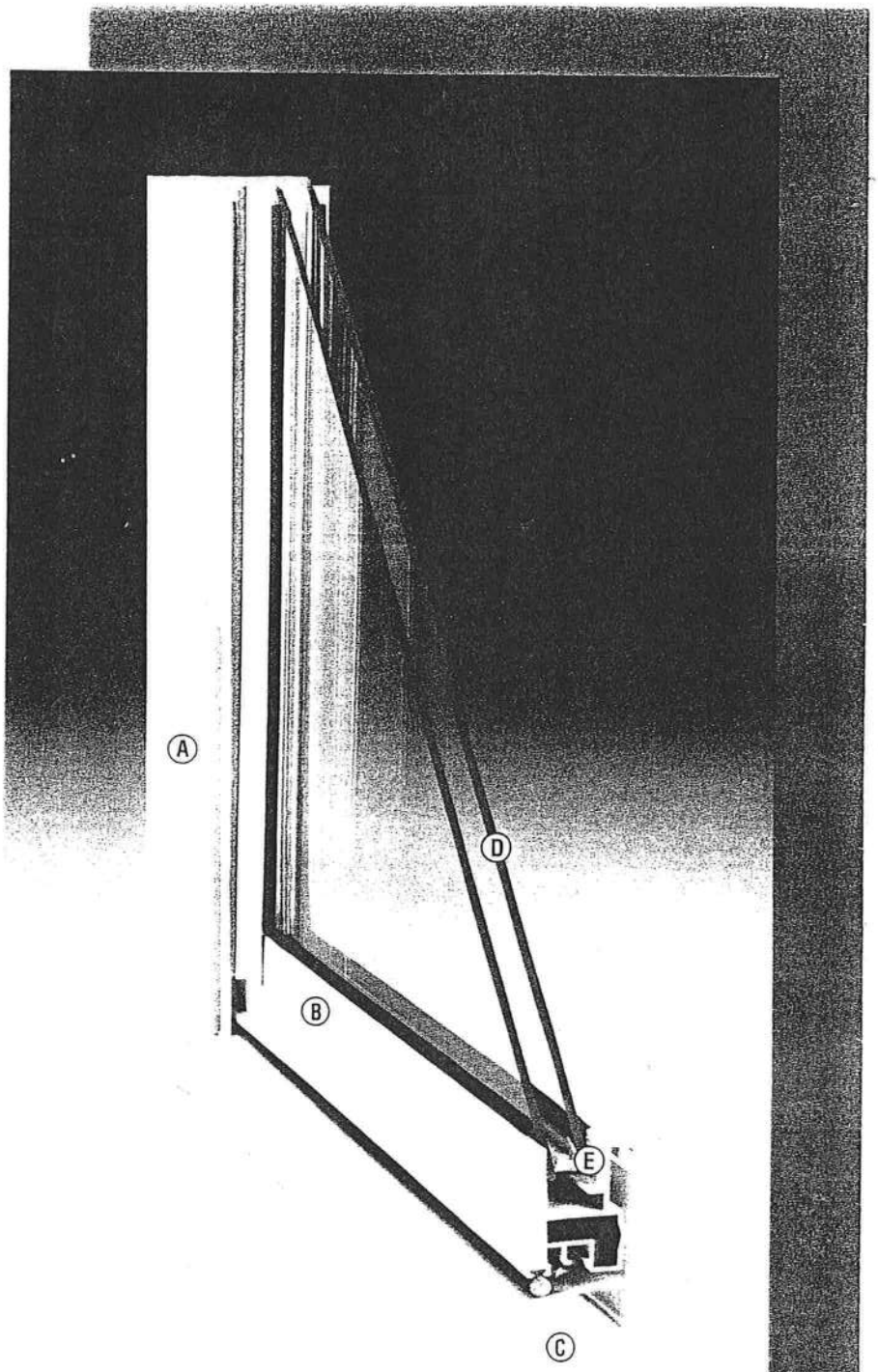


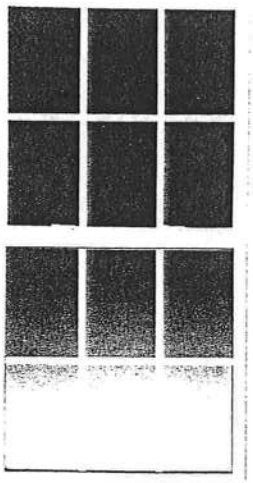
650 SERIES

Non-Thermal Single Hung Aluminum Windows

Ideal for warmer climates, this durable single hung offers plenty of features.

- Aluminum Tilt-Single Hung
- Block & Tackle Balance
- Sweep Lock System at Meeting Rail
- Inside Removable Meeting Rail for Easy Drywall Pass Thru.
- Interlock System at Meeting Rail
- Optional Decorative Grids Between the Glass
- Complete Specialty Window and Mulling Accessories Available
- AAMA Labeled and NFRC Certified





A Aluminum Main Frame

B Aluminum Sash

C 2 3/8" Frame Depth

D 5/8" Insulated Glass

E Removable Bottom Glass Is Marine Glazed In Sash Frame
Removable Top Glass Is Drop-In Tape Glazed In Main Frame

CAPITOL™
WINDOWS AND DOORS

650 SERIES

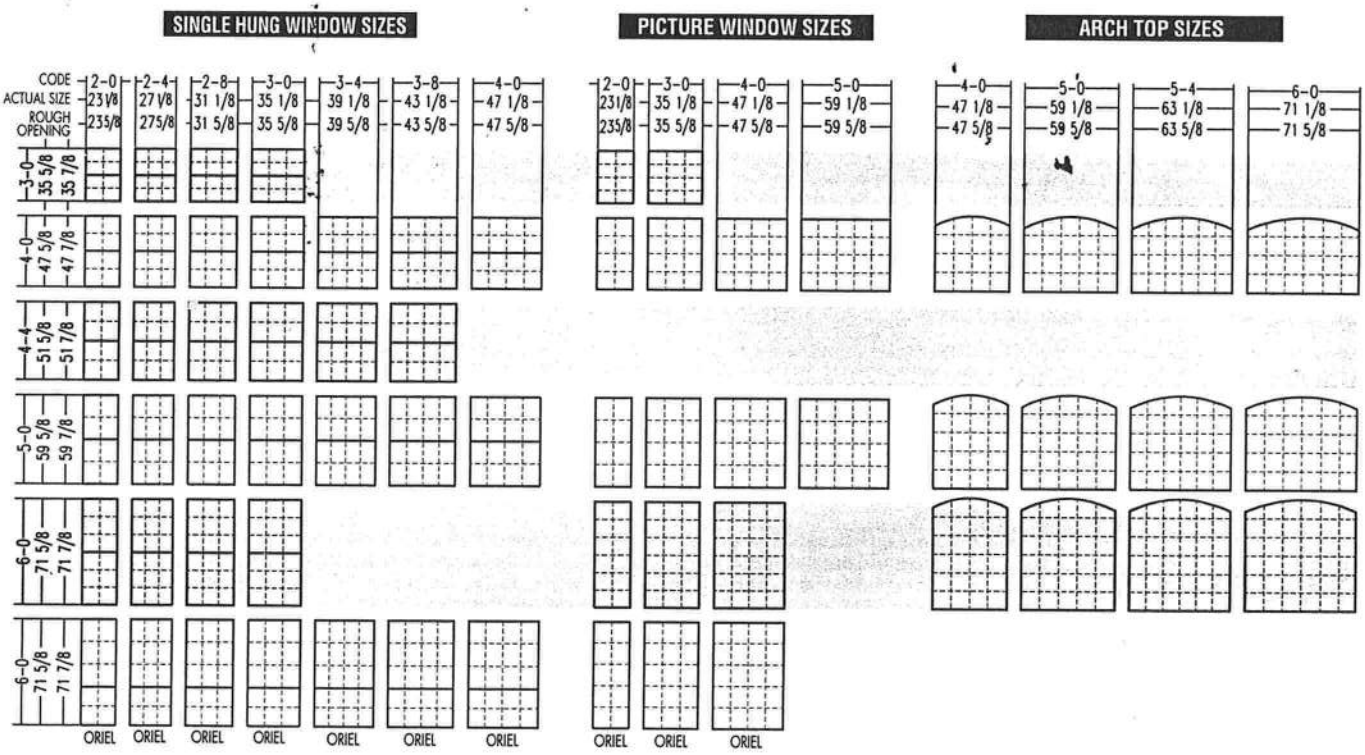
Single Hung Opening Specifications

NOMINAL UNIT SIZE	SASH RAISED SQ. FT. CLEAR OPENING	SASH RAISED CLEAR OPENING WIDTH X HEIGHT (INCH x INCH)	SASH REMOVED SQ. FT. CLEAR OPENING	SASH REMOVED CLEAR OPENING WIDTH X HEIGHT (INCH x INCH)	VENT AREA SQ. FT.	VISIBLE LITE SQ. FT.	SCREEN SIZE WIDTH x HEIGHT	GLASS SIZE WIDTH x HEIGHT
2'0 x 3'0	1.68	18 1/8 x 13 5/16	1.93	18 1/8 x 15 5/16	1.91	3.72	19 1/4 x 17	19 x 16
2'0 x 4'0	2.43	18 1/8 x 19 5/16	2.68	18 1/8 x 21 5/16	2.65	5.21	19 1/4 x 23	19 x 22
2'0 x 4'4	2.68	18 1/8 x 21 5/16	2.93	18 1/8 x 23 5/16	2.90	5.71	19 1/4 x 25	19 x 24
2'0 x 5'0	3.19	18 1/8 x 25 5/16	3.44	18 1/8 x 27 5/16	3.39	6.70	19 1/4 x 29	19 x 28
2'0 x 6'0	3.94	18 1/8 x 31 5/16	4.19	18 1/8 x 33 5/16	4.13	8.19	19 1/4 x 35	19 x 34
2'0 x 6'0 ORIEL	3.19	18 1/8 x 25 5/16	3.44	18 1/8 x 27 5/16	3.39	8.19	19 1/4 x 29	19 x 40 TOP 19 x 28 BOTTOM
2'4 x 3'0	2.05	22 1/8 x 13 5/16	2.35	22 1/8 x 15 5/16	2.34	4.56	23 1/4 x 17	23 x 16
2'4 x 4'0	2.97	22 1/8 x 19 5/16	3.27	22 1/8 x 21 5/16	3.25	6.38	23 1/4 x 23	23 x 22
2'4 x 4'0	3.27	22 1/8 x 21 5/16	3.58	22 1/8 x 23 5/16	3.55	6.99	23 1/4 x 25	23 x 24
2'4 x 5'0	3.89	22 1/8 x 25 5/16	4.20	22 1/8 x 27 5/16	4.15	8.20	23 1/4 x 29	23 x 28
2'4 x 6'0	4.81	22 1/8 x 31 5/16	5.12	22 1/8 x 33 5/16	5.06	10.03	23 1/4 x 35	23 x 34
2'4 x 6'0 ORIEL	3.89	22 1/8 x 25 5/16	4.20	22 1/8 x 27 5/16	4.15	10.03	23 1/4 x 29	23 x 40 TOP 23 x 28 BOTTOM
2'8 x 3'0	2.42	26 1/8 x 13 5/16	2.78	26 1/8 x 15 5/16	2.77	5.39	27 1/4 x 17	27 x 16
2'8 x 4'0	3.50	26 1/8 x 19 5/16	3.87	26 1/8 x 21 5/16	3.84	7.55	27 1/4 x 23	27 x 22
2'8 x 4'4	3.87	26 1/8 x 21 5/16	4.23	26 1/8 x 23 5/16	4.20	8.27	27 1/4 x 25	27 x 24
2'8 x 5'0	4.59	26 1/8 x 25 5/16	4.96	26 1/8 x 27 5/16	4.92	9.70	27 1/4 x 29	27 x 28
2'8 x 6'0	5.68	26 1/8 x 31 5/16	6.04	26 1/8 x 33 5/16	5.99	11.86	27 1/4 x 35	27 x 34
2'8 x 6'0 ORIEL	4.59	26 1/8 x 25 5/16	4.96	26 1/8 x 27 5/16	4.92	11.86	27 1/4 x 29	27 x 40 TOP 27 x 28 BOTTOM
3'0 x 3'0	2.78	30 1/8 x 13 5/16	3.20	30 1/8 x 15 5/16	3.20	6.22	31 1/4 x 17	31 x 16
3'0 x 4'0	4.04	30 1/8 x 19 5/16	4.46	30 1/8 x 21 5/16	4.44	8.71	31 1/4 x 23	31 x 22
3'0 x 4'4	4.46	30 1/8 x 21 5/16	4.88	30 1/8 x 23 5/16	4.86	9.54	31 1/4 x 25	31 x 24
3'0 x 5'0	5.30	30 1/8 x 25 5/16	5.71	30 1/8 x 27 5/16	5.68	11.20	31 1/4 x 29	31 x 28
3'0 x 6'0	6.55	30 1/8 x 31 5/16	6.97	30 1/8 x 33 5/16	6.92	13.69	31 1/4 x 35	31 x 34
3'0 x 6'0 ORIEL	5.30	30 1/8 x 25 5/16	5.71	30 1/8 x 27 5/16	5.68	13.69	31 1/4 x 29	31 x 40 TOP 31 x 28 BOTTOM
3'4 x 4'0	4.58	34 1/8 x 19 5/16	5.05	34 1/8 x 21 5/16	5.04	9.88	35 1/4 x 23	35 x 22
3'4 x 4'4	5.05	34 1/8 x 21 5/16	5.52	34 1/8 x 23 5/16	5.51	10.82	35 1/4 x 25	35 x 24
3'4 x 5'0	6.00	34 1/8 x 25 5/16	6.47	34 1/8 x 27 5/16	6.45	12.70	35 1/4 x 29	35 x 28
3'4 x 6'0 ORIEL	6.00	34 1/8 x 25 5/16	6.47	34 1/8 x 27 5/16	6.45	15.53	35 1/4 x 29	35 x 40 TOP 35 x 28 BOTTOM
3'8 x 4'0	5.11	38 1/8 x 19 5/16	5.64	38 1/8 x 21 5/16	5.64	11.05	39 1/4 x 23	39 x 22
3'8 x 4'4	5.64	38 1/8 x 21 5/16	6.17	38 1/8 x 23 5/16	6.16	12.10	39 1/4 x 25	39 x 24
3'8 x 5'0	6.70	38 1/8 x 25 5/16	7.23	38 1/8 x 27 5/16	7.21	14.20	39 1/4 x 29	39 x 28
3'8 x 6'0 ORIEL	6.70	38 1/8 x 25 5/16	7.23	38 1/8 x 27 5/16	7.21	17.36	39 1/4 x 29	39 x 40 TOP 39 x 28 BOTTOM
4'0 x 4'0	5.65	42 1/8 x 19 5/16	6.23	42 1/8 x 21 5/16	6.23	12.21	43 1/4 x 23	43 x 22
4'0 x 5'0	7.40	42 1/8 x 25 5/16	7.99	42 1/8 x 27 5/16	7.97	15.70	43 1/4 x 29	43 x 28
4'0 x 6'0 ORIEL	7.40	42 1/8 x 25 5/16	7.99	42 1/8 x 27 5/16	7.97	15.70	43 1/4 x 29	43 x 40 TOP 43 x 28 BOTTOM

CAPITOL™
WINDOWS AND DOORS

650 SERIES

Non-Thermal Aluminum Single Hung & Specialty - Standard Window Unit Sizes Available



AAMA MEMBER

QUALITY CONTROL & TESTING

AAMA CERTIFICATION PROGRAM

ACCREDITED BY: AMERICAN NATIONAL STANDARDS INSTITUTE

Validator: ALI®

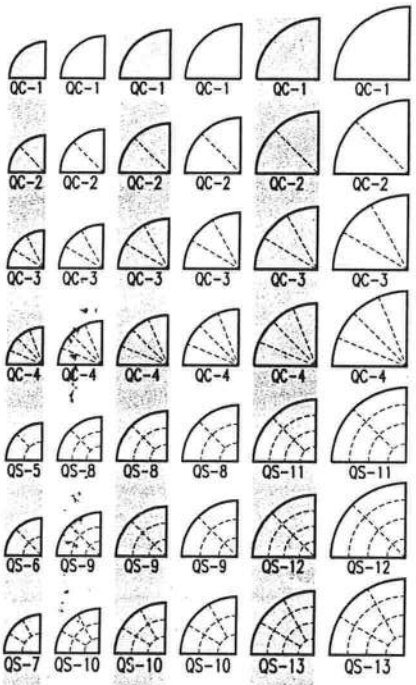
CODE: MTL-4

National Fenestration Rating Council CERTIFIED

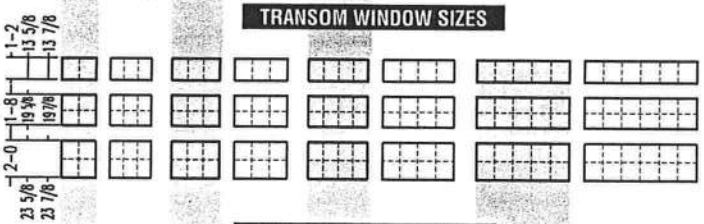
Energy Star EPA DOE

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

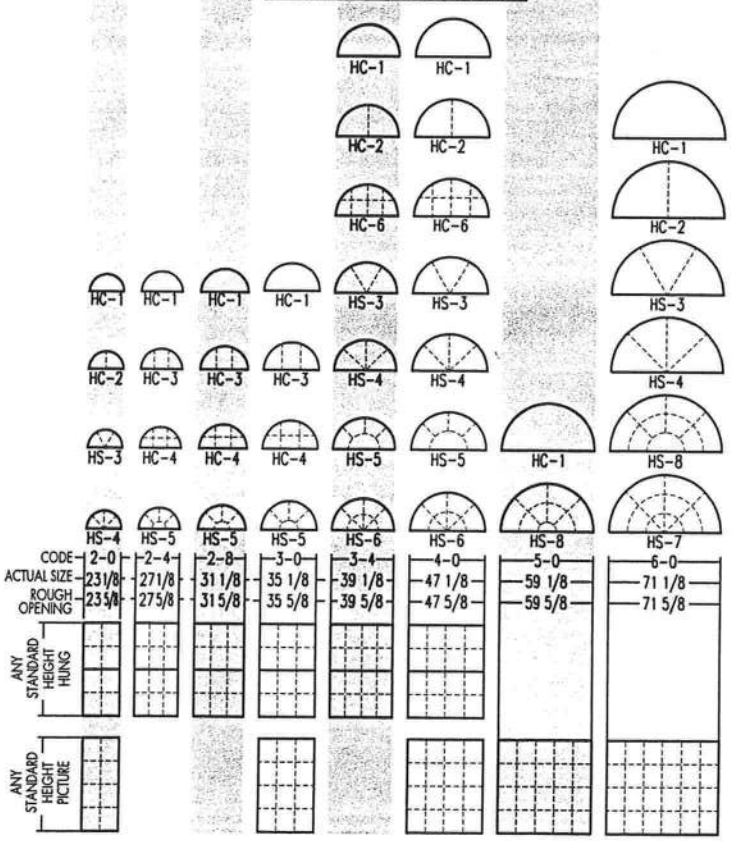
QUARTER CIRCLE WINDOW SIZES



TRANSOM WINDOW SIZES

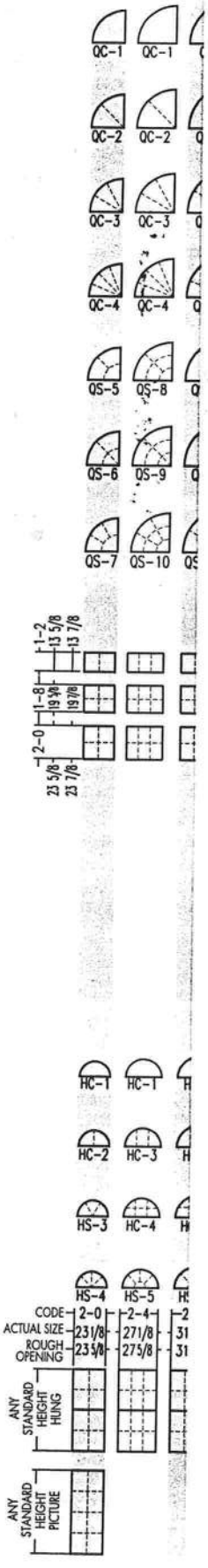


CIRCLE TOP WINDOW SIZES



NOTE: Actual height of circle top = Actual width divided by 2 + 9/16"
Rough Opening height of circle top = Actual Height (calculated above) + 1/2"

QUART

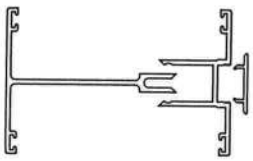


NOTE: Actua
Roug

650 SERIES

Non-Thermal Single Hung Aluminum Windows

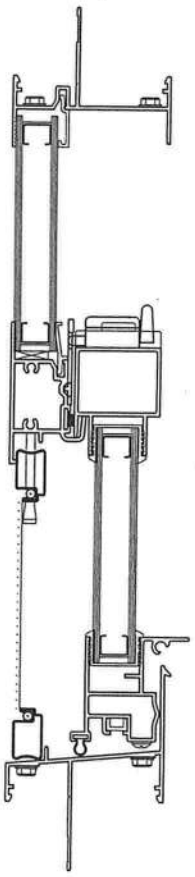
MULLIONS AVAILABLE



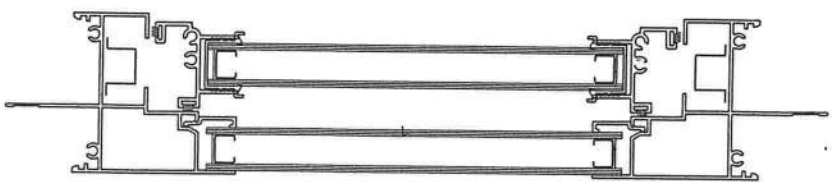
CM–45028
CM–45029 3-PIECE
CM–45030
11/16" ADD ON

CM–65024 H–MULL
1/8" ADD ON

VERTICAL DETAIL



HORIZONTAL DETAIL



Load Short Form
Entire House
LARRY RESMONDO AIR CONDITIONING

Job: WILLIAM BROWN
Date: Mar 21, 2007
By:

Project Information

For: WOODMAN PARK BUILDERS

Design Information

	Htg	Clg
Outside db (°F)	17	91
Inside db (°F)	70	75
Design TD (°F)	53	16
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	35

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

HEATING EQUIPMENT

Make Ruud
Trade Ruud UPNE Series
Model UPNE-036J*Z

Efficiency	8.2 HSPF	
Heating input		
Heating output	37200	Btuh @ 47°F
Temperature rise	29	°F
Actual air flow	1147	cfm
Air flow factor	0.026	cfm/Btuh
Static pressure	0.10	in H2O
Space thermostat		

COOLING EQUIPMENT

Make Ruud
Trade Ruud UPNE Series
Cond UPNE-036J*Z
Coil UGPL-07?BRK?+RCHJ-36A1

Efficiency	13 SEER	
Sensible cooling	24080	Btuh
Latent cooling	10320	Btuh
Total cooling	34400	Btuh
Actual air flow	1147	cfm
Air flow factor	0.050	cfm/Btuh
Static pressure	0.10	in H2O
Load sensible heat ratio	0.86	

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
LAUNDRY/HALL	58	1046	3791	27	190
MASTER BATH	120	3255	938	84	47
M/CLOSET	68	2366	445	61	22
M/BEDROOM	221	6633	2505	171	126
DINING	150	4341	1638	112	82
FAMILY ROOM	440	8160	3523	211	177
KITCHEN	163	2826	4237	73	212
BEDROOM 2	150	6296	2583	163	129
HALL/BATH2	81	1203	408	31	20
BEDROOM 3	150	8267	2815	214	141

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

Entire House	d	1601	44394	22883	1147	1147
Other equip loads			1554	469		
Equip. @ 0.96	RSM			22418		
Latent cooling				3709		
TOTALS		1601	45948	26127	1147	1147

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

Building Analysis
Entire House
LARRY RESMONDO AIR CONDITIONING

Job: WILLIAM BROWN
Date: Mar 21, 2007
By:

Project Information

For: WOODMAN PARK BUILDERS

Design Conditions

Location:
Washington National AP, DC, US
Elevation: 0 ft
Latitude: 38 °N

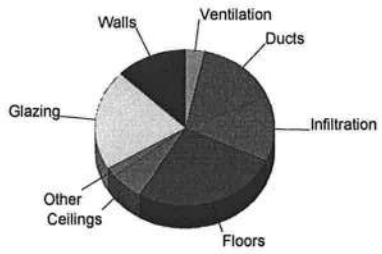
Outdoor:	**Heating**	**Cooling**
Dry bulb (°F)	17	91
Daily range (°F)	-	18 (M)
Wet bulb (°F)	-	74
Wind speed (mph)	15.0	7.5

Indoor:	**Heating**	**Cooling**
Indoor temperature (°F)	70	75
Design TD (°F)	53	16
Relative humidity (%)	30	50
Moisture difference (gr/lb)	22.3	34.7

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

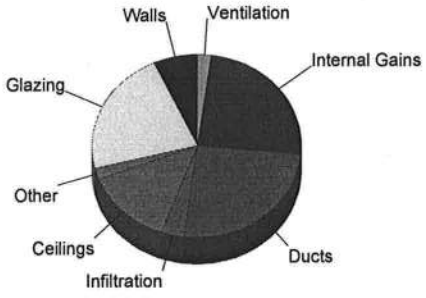
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	4.7	5912	12.9
Glazing	49.2	9571	20.8
Doors	20.7	868	1.9
Ceilings	1.7	2715	5.9
Floors	7.6	12164	26.5
Infiltration	4.4	6220	13.5
Ducts		6944	15.1
Piping		0	0.0
Humidification		0	0.0
Ventilation		1554	3.4
Adjustments		0	
Total		**45948**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	1.3	1597	6.8
Glazing	26.5	5161	22.1
Doors	11.1	467	2.0
Ceilings	2.0	3177	13.6
Floors	0.0	0	0.0
Infiltration	0.6	803	3.4
Ducts		5958	25.5
Ventilation		469	2.0
Internal gains		5720	24.5
Blower		0	0.0
Adjustments		0	
Total		**23352**	**100.0**



Overall U-value = 0.125 Btuh/ft²-°F

Data entries checked.

Duct System Summary
Entire House
LARRY RESMONDO AIR CONDITIONING

Job: WILLIAM BROWN
Date: Mar 21, 2007
By:

Project Information

For: WOODMAN PARK BUILDERS

	Heating	Cooling
External static pressure	***0.10*** in H2O	***0.10*** in H2O
Pressure losses	0.25 in H2O	0.25 in H2O
Available static pressure	-0.2 in H2O	-0.2 in H2O
Supply / return available pressure	-0.09 / -0.06 in H2O	-0.09 / -0.06 in H2O
Lowest friction rate	***0.100*** in/100ft	***0.100*** in/100ft
Actual air flow	1147 cfm	1147 cfm
Total effective length (TEL)	170 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
LAUNDRY/HALL	c 3791	27	190	0.100	9	12x6	VlFx	100.0	0.0	ST1
MASTER BATH	h 3255	84	47	0.100	6	12x3	VlFx	100.0	0.0	ST1A
M/CLOSET	h 2366	61	22	0.100	6	12x2	VlFx	100.0	0.0	ST1
M/BEDROOM	h 6633	171	126	0.100	8	12x5	VlFx	100.0	0.0	ST1
DINING	h 4341	112	82	0.100	7	12x4	VlFx	100.0	0.0	ST1
FAMILY ROOM-A	h 4080	105	88	0.100	7	12x4	VlFx	100.0	0.0	st1
FAMILY ROOM	h 4080	105	88	0.100	7	12x4	VlFx	100.0	0.0	ST1
KITCHEN-A	c 2118	37	106	0.100	7	12x4	VlFx	100.0	0.0	ST1
KITCHEN	c 2118	37	106	0.100	7	12x4	VlFx	100.0	0.0	ST1
BEDROOM 2	h 6296	163	129	0.100	8	12x5	VlFx	100.0	0.0	ST1
HALL/BATH2	h 1203	31	20	0.100	4	12x1	VlFx	100.0	0.0	ST1
BEDROOM 3-A	h 4134	107	71	0.100	7	12x4	VlFx	100.0	0.0	ST1
BEDROOM 3	h 4134	107	71	0.100	7	12x4	VlFx	100.0	0.0	ST1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
ST1	Peak AVF	1147	1147	0.100	536	19	14 x 22	RectFbg	
ST1A	Peak AVF	84	47	0.100	433	10	14 x 2	RectFbg	ST1

Bold/italic values have been manually overridden

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 36-5S-16-03761-158 **Building permit No.** 000025734

Use Classification SFD,UTILITY **Fire:** 11.16

Permit Holder OWNER BUILDER **Waste:** 33.50

Owner of Building WILLIAM BROWN **Total:** 44.66

Location: 1076 SW HIGH FIELD TERR, LAKE CITY, FL

Date: 08/17/2007

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

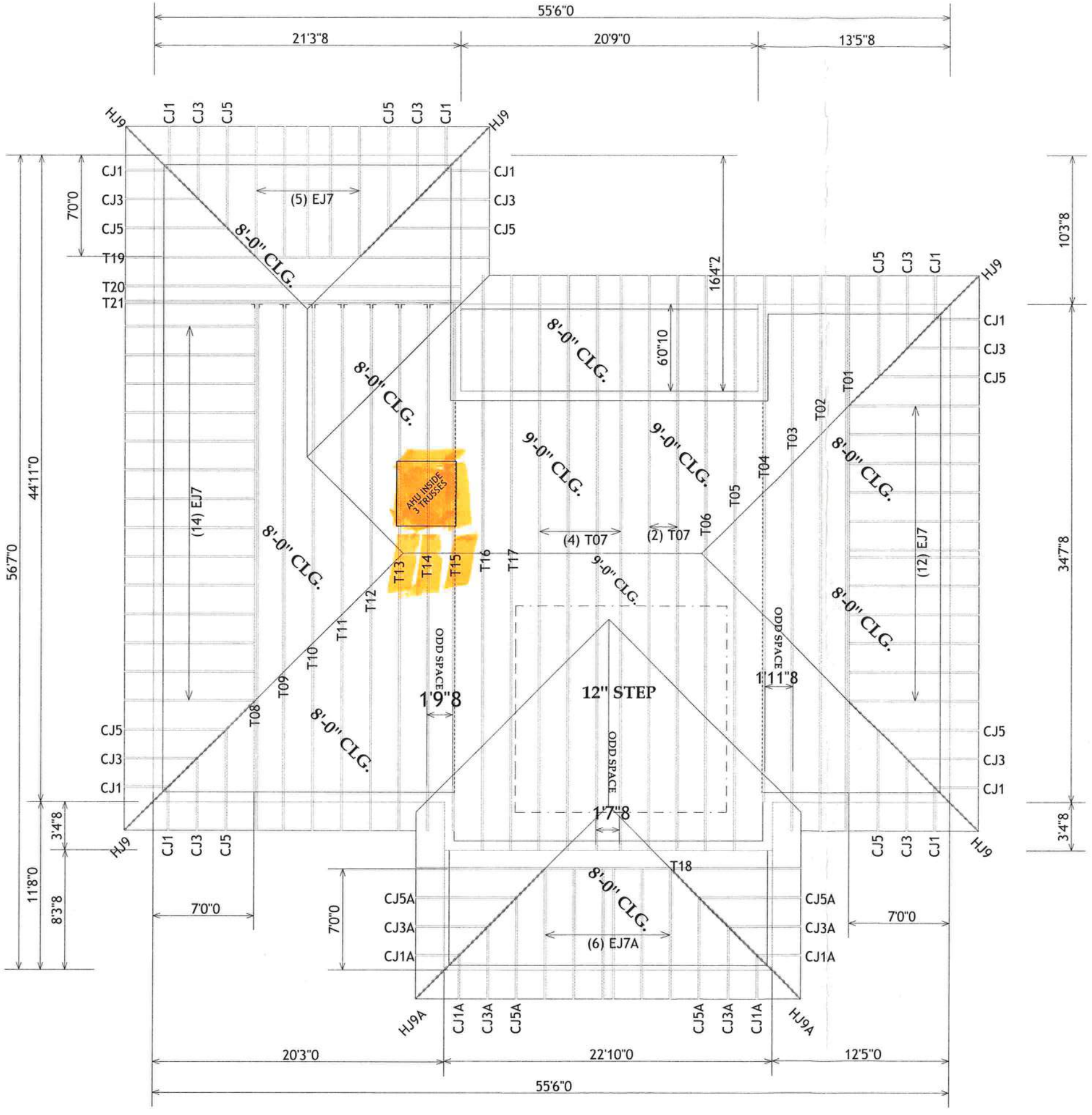
25734

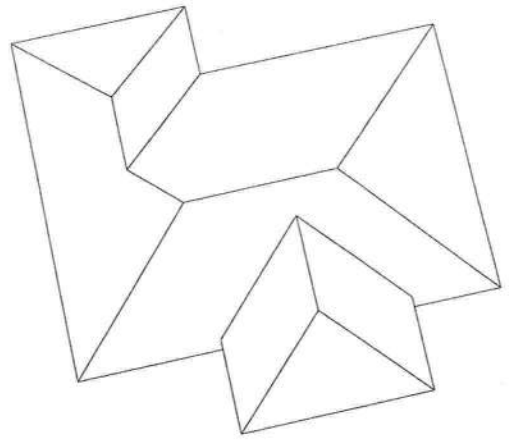
WILLIAM E. BROWN
1076 HIGH FIELD TE
LAKE CITY FL. 32024

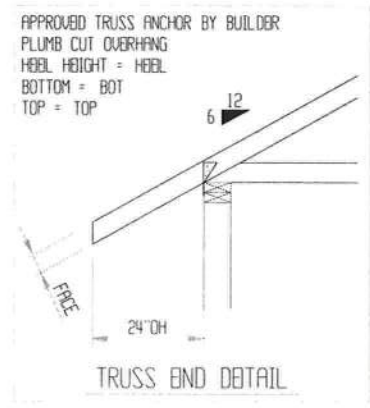
TO WHOM IT MAY CONCERN

AS OWNER BUILDER ON LOT 58 MEADOWHANDS SUBDIVISION I PERSONALLY OBSERVED THE COMPLETE PROCESS OF ATTACHING THE 5/8" SHEETING TO THE ROOF TRUSSES. THE NAILING AND PLYWOOD CLIPS ATTACHED WERE SUFFECIENT TO MEET ALL THE ENGINEERING SPECIFICATIONS I AM COMPLETELY SATISFIED THAT THE JOB IS WELL DONE

William E Brown
owner Builder
07/05/07

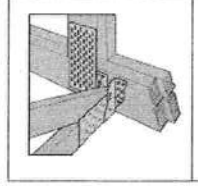
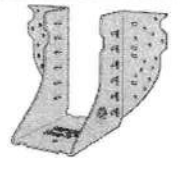






TRUSS END DETAIL

HANGER SCHEDULE

TRUSS HANGER INFORMATION Check TRUSS ENGINERING For gravity and uplift values if the value exceeds the capacity of a hanger.	
(6)HTU26	(1)HGUS26-2
	

BEARING HEIGHT SCHEDULE

8'-0"

OVERHANG

2'-0"

ROOF PITCH(S)

6/12

NOTES:

1) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.

2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V10S FOR ALTERNATE BRACING REQUIREMENTS.

3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.

4) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.

5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.

6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.

7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HUS26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.

8) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS. REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Requested Delivery Date: _____

Approved by: _____ Date: _____

Builders FirstSource

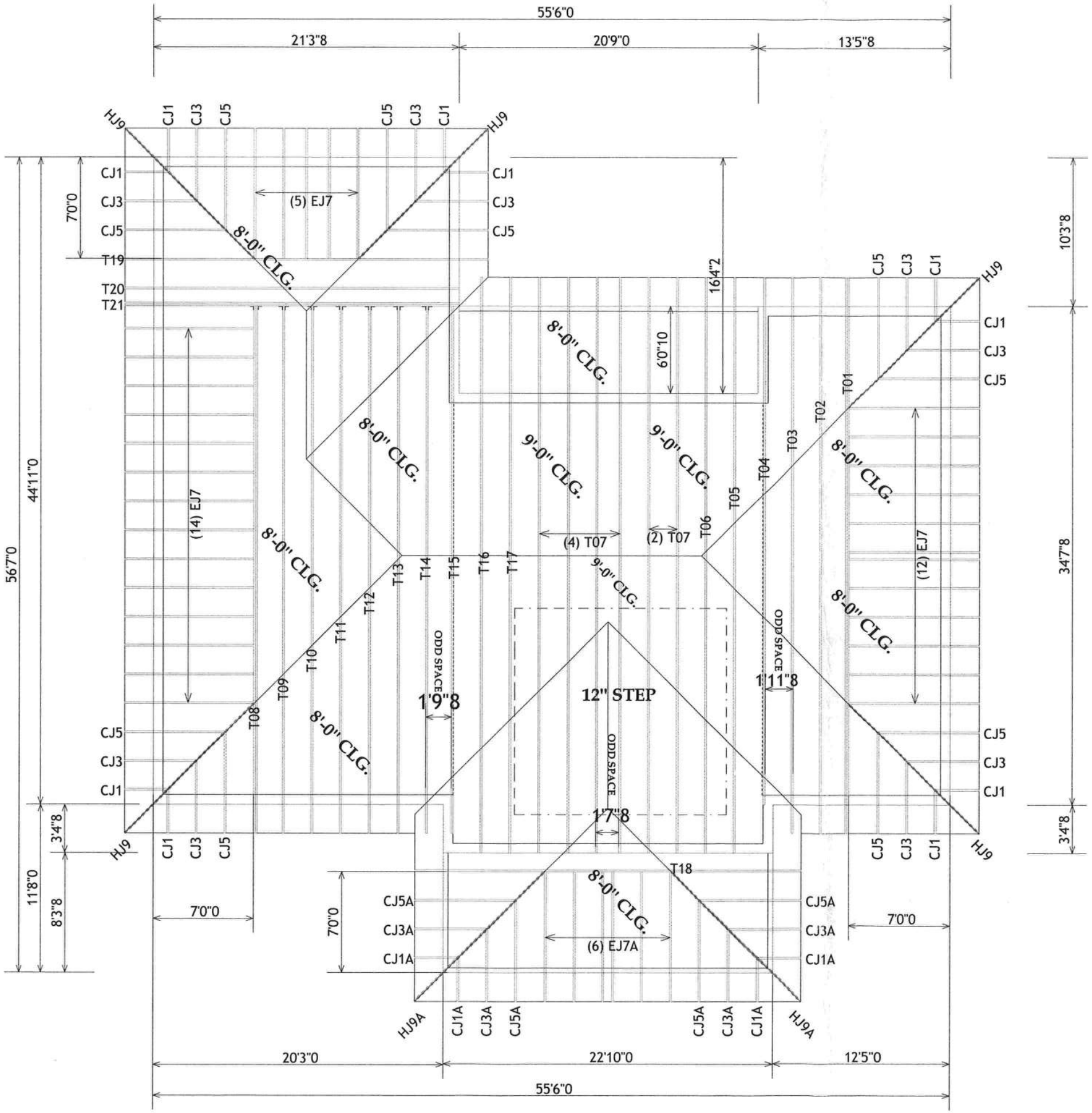
Bunnell
PHONE: 904 437 3349 FAX: 904 437-3994

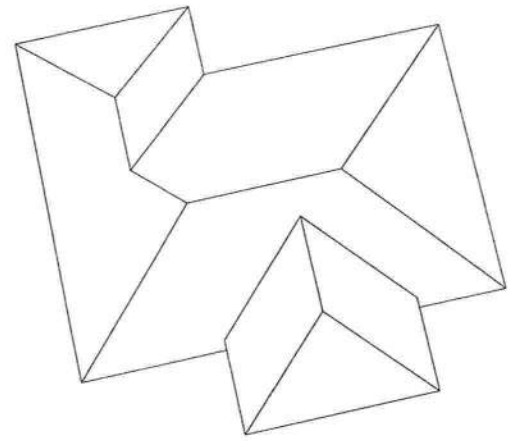
Jacksonville
PHONE: 904 772 6100 FAX: 904 772 1973

Lake City
PHONE: 904-755-6894 FAX: 904-755-7973

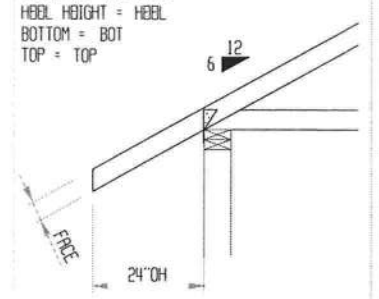
Sanford
PHONE: 407-322-0059 FAX: 407-322-5553

BUILDER: **CASH ACCOUNT WILLIAM BROWN**		
LEGAL ADDRESS: **COLUMBIA, FL**		
MODEL: **2400**		REVISION:
		SCALE: NTS
DATE: **03/20/07**	DRAWN BY: A MONDRAGON	JOB #: **L231110**





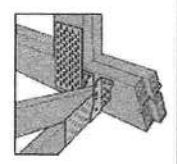
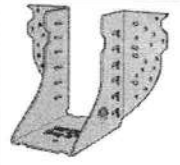
APPROVED TRUSS ANCHOR BY BUILDER
PLUMB CUT OVERHANG
HEEL HEIGHT = HEEL
BOTTOM = BOT
TOP = TOP



TRUSS END DETAIL

HANGER SCHEDULE

TRUSS HANGER INFORMATION
Check TRUSS ENGINEERING For gravity and uplift values if the value exceeds the capacity of a hanger.

(6)HTU26	(1)HGUS26-2
	

BEARING HEIGHT SCHEDULE

8'-0"

OVERHANG
2'-0"

ROOF PITCH(S)
6/12

NOTES:

1) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.
2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V105 FOR ALTERNATE BRACING REQUIREMENTS.
3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
4) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HUS26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.
8) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS. REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

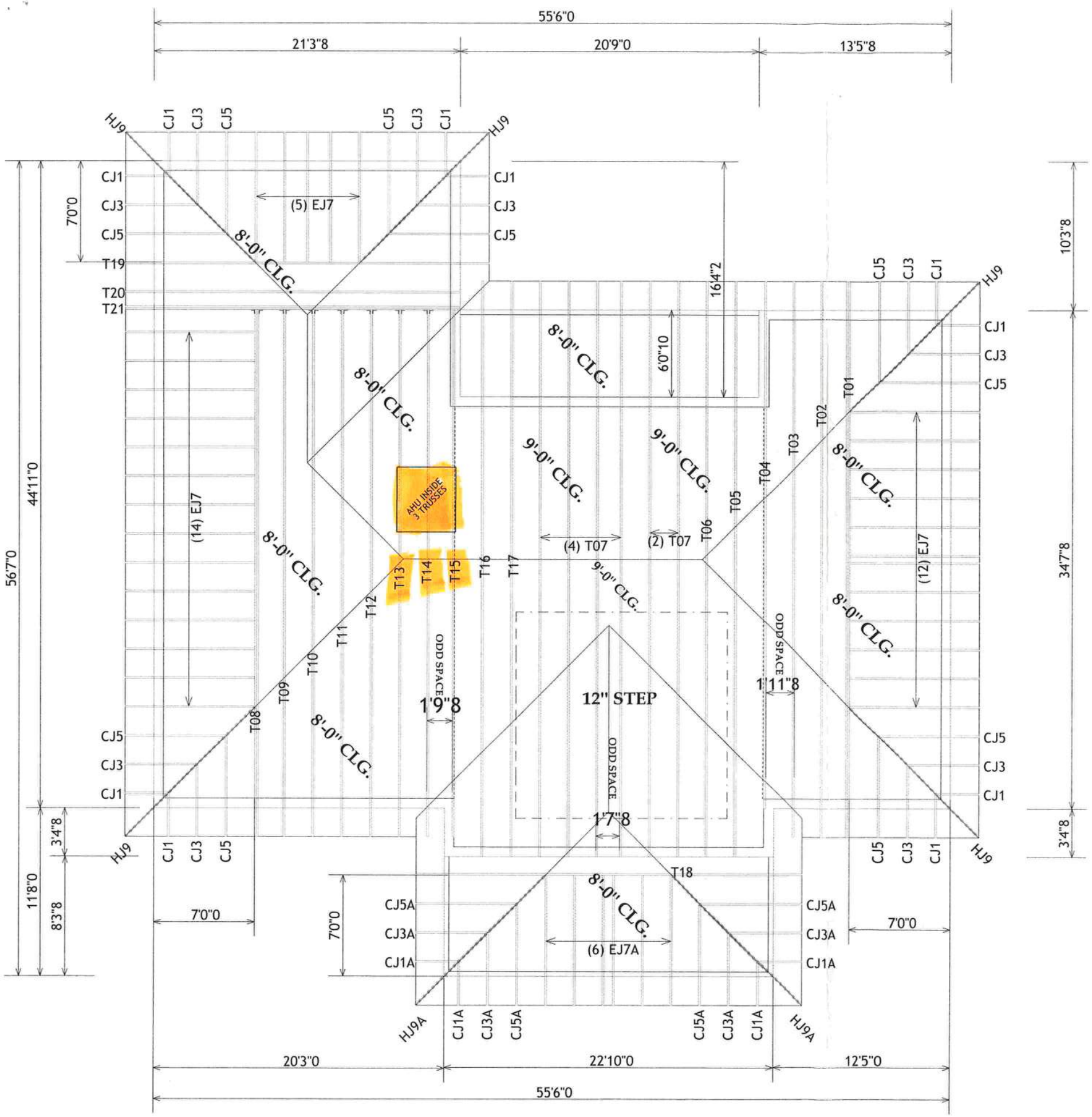
Requested Delivery Date: _____

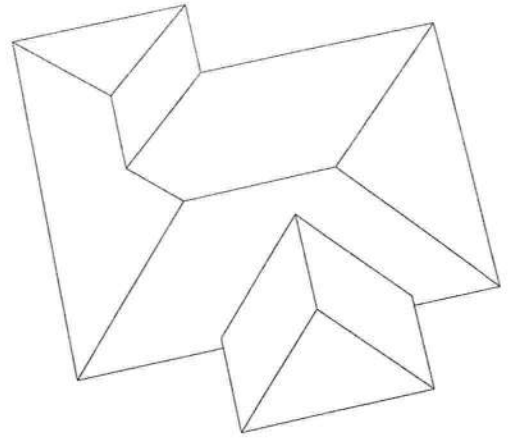
Approved by: _____ Date: _____

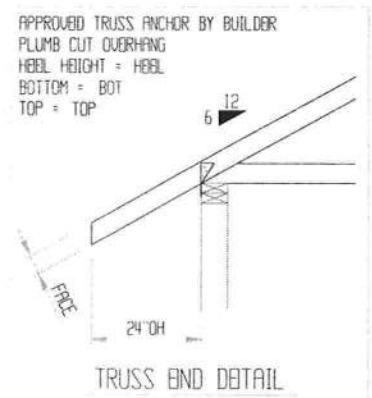
Builders FirstSource
Bunnell
PHONE: 904 437 3349 FAX: 904 437-3994
Jacksonville
PHONE: 904 772 6100 FAX: 904 772 1973
Lake City
PHONE: 904-755-6894 FAX: 904-755-7973
Sanford
PHONE: 407-322-0059 FAX: 407-322-5953

BUILDER: **CASH ACCOUNT WILLIAM BROWN**
LEGAL ADDRESS: **COLUMBIA, FL**

MODEL:	REVISION:
2400	SCALE: NTS
DATE: **03/20/07**	DRAWN BY: A MONDRAGON
	JOB #: **L231110**

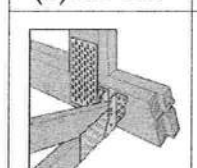
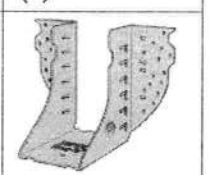






TRUSS END DETAIL

HANGER SCHEDULE

TRUSS HANGER INFORMATION Check TRUSS ENGINEERING For gravity and uplift values if the value exceeds the capacity of a hanger.	
(6)HTU26	(1)HGUS26-2
	

BEARING HEIGHT SCHEDULE

8'-0"

OVERHANG

2'-0"

ROOF PITCH(S)

6/12

NOTES:

1) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.

2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V105 FOR ALTERNATE BRACING REQUIREMENTS.

3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.

4) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.

5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.

6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.

7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HUS26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.

8) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS. REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Requested Delivery Date: _____

Approved by: _____ Date: _____

Builders FirstSource
Bunnell
PHONE: 904 437 3349 FAX: 904 437-3994
Jacksonville
PHONE: 904 772 6100 FAX: 904 772 1973
Lake City
PHONE: 904-755-6894 FAX: 904-755-7973
Sanford
PHONE: 407-322-0059 FAX: 407-322-5553

BUILDER: **CASH ACCOUNT WILLIAM BROWN**

LEGAL ADDRESS: **COLUMBIA, FL**

MODEL:	REVISION:
2400	SCALE: NTS
DATE: **03/20/07**	DRAWN BY: A MONDRAGON / JOB #: **L231110**