DATE 12/28/2005

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000023992

APPLICANT SUSAN HOLTON PHONE 961-1086

ADDRESS 116 NW EGRET LANE LAKE CITY FL 32055

OWNER THOMAS EAGLE PHONE 961-1086

ADDRESS 219 NW HERITAGE DR LAKE CITY FL 32055

CONTRACTOR DAVID MANGRUM PHONE 752-4716

LOCATION OF PROPERTY 90W, TR ON BROWN RD, TL ON WINDING PLACE, TL ON EMERALD LAKES DR., TR ON HERITAGE DR.,7TH ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 110000.00

HEATED FLOOR AREA 2200.00 TOTAL AREA 2967.00 HEIGHT ____ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 31

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

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

PARCEL ID 28-3S-16-02372-514 SUBDIVISION ARBOR GREEN @ EMERALD LAKES

LOT 14 BLOCK ____ PHASE 1 UNIT ____ TOTAL ACRES ____

000000930 (Culvert Permit No.) ____ (Culvert Waiver) RB29003100 (Contractor's License Number) Susan Holton (Applicant/Owner/Contractor)

CULVERT (Driveway Connection) 05-0909-N (Septic Tank Number) BK (LU & Zoning checked by) JH (Approved for Issuance) Y (New Resident)

COMMENTS: ONE FOOT ABOVE THE ROAD

Check # or Cash 1653

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power ____ date/app. by | Foundation ____ date/app. by | Monolithic ____ date/app. by

Under slab rough-in plumbing ____ date/app. by | Slab ____ date/app. by | Sheathing/Nailing ____ date/app. by

Framing ____ date/app. by | Rough-in plumbing above slab and below wood floor ____ date/app. by

Electrical rough-in ____ date/app. by | Heat & Air Duct ____ date/app. by | Peri. beam (Lintel) ____ date/app. by

Permanent power ____ date/app. by | C.O. Final ____ date/app. by | Culvert ____ date/app. by

M/H tie downs, blocking, electricity and plumbing ____ date/app. by | Pool ____ date/app. by

Reconnection ____ date/app. by | Pump pole ____ date/app. by | Utility Pole ____ date/app. by

M/H Pole ____ date/app. by | Travel Trailer ____ date/app. by | Re-roof ____ date/app. by

BUILDING PERMIT FEE $ 550.00 CERTIFICATION FEE $ 14.84 SURCHARGE FEE $ 14.84

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** 679.68

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 INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

COLUMBIA COUNTY INSPECTION SHEET

DATE 03/22/2007 TAKEN BY JW **INSPECTION DATE:** 3.23.07

BUILDING PERMIT # 000023992 **CULVERT / WAIVER PERMIT #** 000000930 **WAIVER** _____

PARCEL ID # 28-3S-16-02372-514 ZONING RSF-2

TYPE OF DEVELOPMENT SFD,UTILITY

SETBACKS: FRONT 25.00 REAR 15.00 SIDE 10.00 HEIGHT 0.00

FLOOD ZONE X PP SEPTIC 05-0909-N NO. EXISTING D.U. 0

SUBDIVISION ARBOR GREEN @ EMERALD LAKES Lot 14 Block ___ Unit 0 Phase 1

OWNER THOMAS EAGLE PHONE 961-1086

ADDRESS 219 NW HERITAGE DR LAKE CITY FL 32055

CONTRACTOR DAVID MANGRUM PHONE ~~752-4756~~

LOCATION 90W, TR ON BROWN RD, TL ON WINDING PLACE, TL ON EMERALD LAKES DR., TR ON HERITAGE DR.,7TH ON RIGHT

COMMENTS: ONE FOOT ABOVE THE ROAD

WE HAVE NO NOC

INSPECTION(S) REQUESTED:

____ Temp Power _____ ____ Foundation 02/17/2006 RJ ____ Set backs 02/17/2006 RJ

____ Mono Slab _____ ____ Under Slab Rough-in 05/01/2006 HD ____ Slab 05/03/2006 HD

____ Sheathing/Nailing 05/24/2006 hd ____ Framing 08/18/2006 RJ ____ Other _____

____ Above slab Rough-in 07/17/2006 RJ ____ Electrical Rough-in 07/17/2006 RJ

____ Heat & A/C 08/18/2006 RJ ____ Beam (Lintel) _____ ____ Perm Power 12/13/2006 JK

____ ✓ CO Final _____ ____ Culvert _____ ____ Reconnection _____

____ Pool _____ ____ MH Perm Power _____ ____ Utility Pole _____

____ RV Power _____ ____ Re-Roof _____ ____ MH Pole _____

INSPECTORS:

APPROVED _____ NOT APPROVED _____ BY _____ POWER CO. FPL

INSPECTORS COMMENTS: _____


NW ZACK DR
NW KELLEY LAKE CT
NW LAKESIDE CT
NW CROWN JEWEL GLN
IRISH GLN
MAUDE
28-3S-16-02372-514
EAGLE THOMAS H &
0.57AC | 4/27/2005 - $27,000 - V/Q
NW HERITAGE DR
NW WINDING PL
NW SILVERLEAF LN
NW EMERALD LAKES DR
NW CHARLOTTE GLN
NW ZACK DR
NW MERCURY
NW SYLVI DR
NW BRC
CATELYN WAY

23992

GTC DESIGN GROUP

GTC Design Group, LLC
P.O. Box 187
Live Oak, FL 32064
(Phone) 386.362.3678
(Fax) 386.362.6133
ggill@gtcdesigngroup.com

April 10, 2007

Joe Haltiwanger
135 NE Hernando Avenue
P. O. Box 1529
Lake City, Florida 32056-1529

SUBJECT: Culvert Installation – Emerald Lakes Lot #14

Joe,

I inspected the culvert for the abovementioned project. As noted from our previous conversation, the culvert length installed does not agree with the length on the design drawings.

However, the installed culvert will still work properly for site conditions.

Thank you,

Gary Gill, P.E. #51942
Project Manager
4/10/07

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However, the installed culvert will still work properly for site conditions.

Thank you,

Gary Gill, P.E. #51942
Project Manager
4/10/07

Columbia County Property Appraiser

DB Last Updated: 3/8/2007

2007 Proposed Values

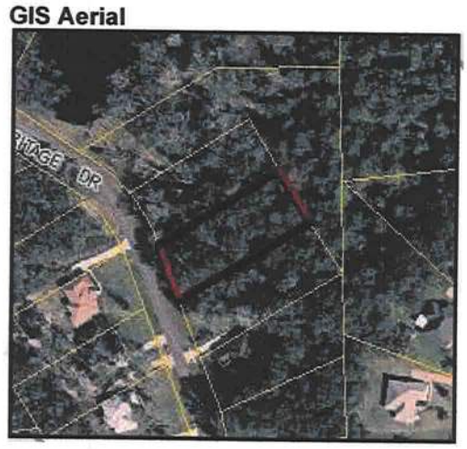
Parcel: 28-3S-16-02372-514 Tax Record Property Card Interactive GIS Map Print

Search Result: 1 of 1

Owner & Property Info

Owner's Name	EAGLE THOMAS H &		
Site Address	GREENE AT EMERALD LAKES		
Mailing Address	STEPHEN N KIRALY P O BOX 813 LAKE CITY, FL 32056		
Use Desc. (code)	SINGLE FAM (000100)		
Neighborhood	28316.05	**Tax District**	2
UD Codes	MKTA06	**Market Area**	06
Total Land Area	0.570 ACRES		
Description	LOT 14 ARBOR GREENE AT EMERALD LAKES S/D. ORB 964-2321. WD 1044-2552.		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	$32,000.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (1)	$186,164.00
XFOB Value	cnt: (1)	$3,732.00
Total Appraised Value		$221,896.00

Just Value	$221,896.00
Class Value	$0.00
Assessed Value	$221,896.00
Exempt Value	$0.00
Total Taxable Value	$221,896.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
4/27/2005	1044/2552	WD	V	Q		$27,000.00
10/10/2002	964/2321	WD	V	Q		$19,500.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	2006	WD FR Stucco (16)	2324	3043	$186,164.00
	Note: All S.F. calculations are based on exterior building dimensions.					

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0166	CONC,PAVMT	2006	$3,732.00	1244.000	0 x 0 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	1.000 LT - (.570AC)	1.00/1.00/1.00/1.00	$32,000.00	$32,000.00

Columbia County Property Appraiser

DB Last Updated: 3/8/2007

1 of 1


NW KELLEY LAKE CT
NW ZACK DR
MAUDE
NW LAKESIDE CT
NW CROWN JEWEL GLN
IRISH GLN
28-3S-16-02372-514
EAGLE THOMAS H &
0.57AC | 4/27/2005 - $27,000 - V/Q
NW HERITAGE DR
NW WINDING PL
NW SILVERLEAF LN
NW EMERALD LAKES DR
NW CHARLOTTE GLN
NW ZACK DR
NW MERCURY
NW SYLVI DR
NW BRC
CATELYN WAY

Columbia County Building Permit Application CK# 1653

Revised 9-2.

For Office Use Only Application # 0508-111 Date Received 8-30-05 By LH Permit # 23992/929

Application Approved by - Zoning Official BLK Date 9.10.05 Plans Examiner OKSTH Date 2-24-05

Flood Zone X pp plat Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Den.

Comments NOC, ~~EH~~ ← Thy need to Contact Env. Health 10-25-05 (LH) ✓

Applicants Name Thomas H. Eagle Susan Holton Phone 386-961-1086

Address 116 NW Egret Lane Lake City, FL 32055

Owners Name Thomas H. Eagle Phone

911 Address 219 NW Heritage Dr Lake City, FL 32055

Contractors Name David Mangrum Phone 386-752-4716

Address 3809-A South First St Lake City, FL 32055

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address GTC Design Group, LLC Live Oak, FL

Mortgage Lenders Name & Address N/A

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

Property ID Number 28-35-16-02372-514 Estimated Cost of Construction 150,000

Subdivision Name Arbor Greene @ Emerald Lakes Lot 14 Block ____ Unit ____ Phase 1

Driving Directions 90 west, Right on Brown Rd, Left on Winding Place Left on Emerald Lakes Drive, Right on Heritage Drive, 7th on right

Type of Construction Brick SFD Number of Existing Dwellings on Property 0

Total Acreage 1/2 Lot Size .5 Do you need a - (Culvert Permit) or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 32'.11" Side 25'.11" Side 10' Rear 151'.11"

Total Building Height 31' Number of Stories 1 Heated Floor Area 2200 Roof Pitch 8/12

Porches 220 TOTAL 2967

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.

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number RB2900310

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Susan L. Holton
Commission #DD431203
Expires: MAY 19, 2009
www.AaronNotary.com

Sworn to (or affirmed) and subscribed before me this 27 day of July 2005.

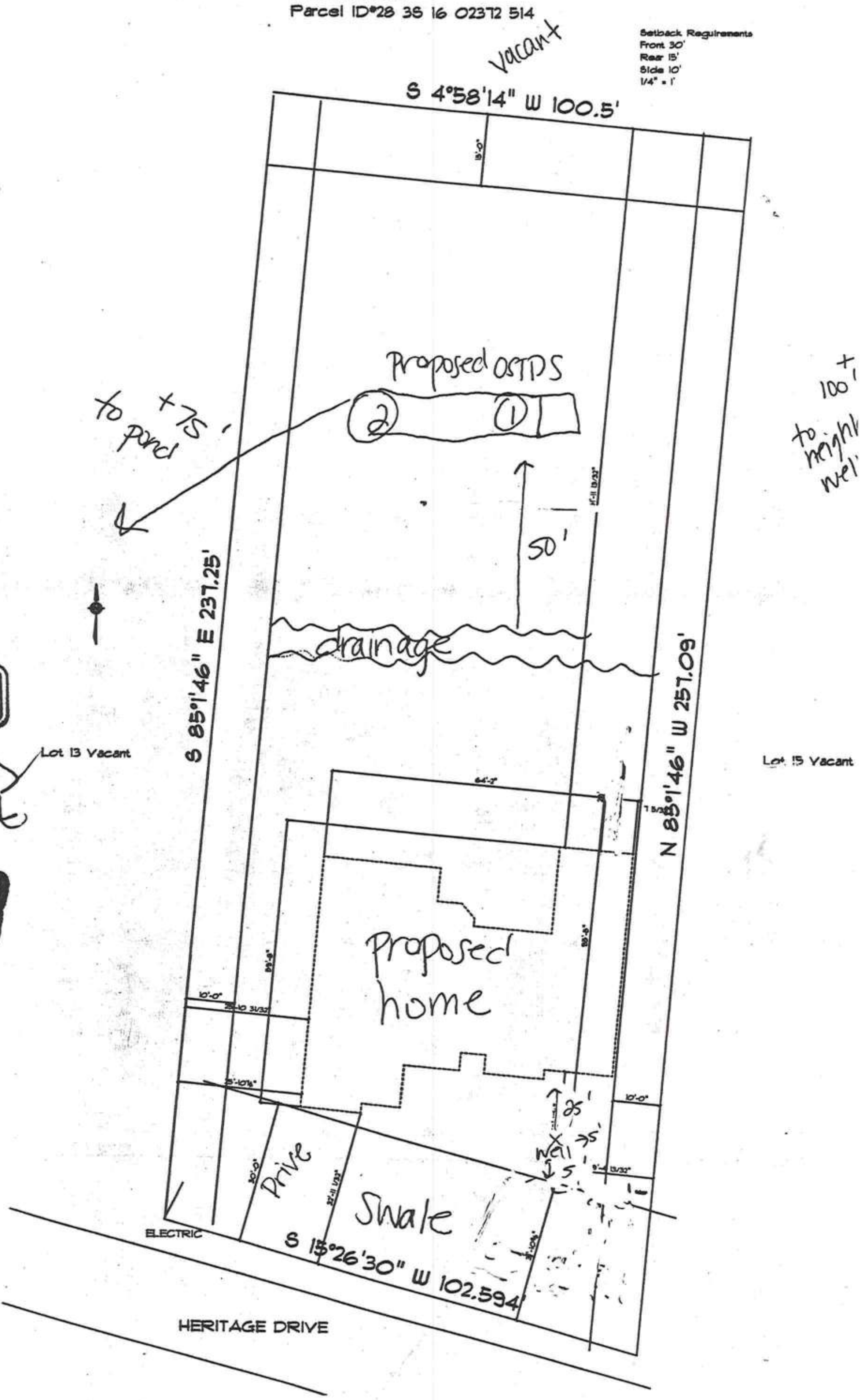
Personally known X or Produced Identification ____

Notary Signature

05-0909-N

SITE PLAN
LOT 14 ARBOR GREENE @ EMERALD LAKES
.5703 ACRES
Parcel ID#28 35 16 02372 514

Setback Requirements
Front 30'
Rear 15'
Side 10'
1/4" = 1'



APPROVED
Sallie Grades
ESI·COLUMBIA
REVISED
12-16-05

9/1/05

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 05-378
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Property Appraiser's
Identification Number R02372-514

WARRANTY DEED

This Warranty Deed, made this 27th day of April, 2005, BETWEEN GARY GILL and GWENDOLYN GILL, Husband and Wife whose post office address is 8878 CR 417, Live Oak, FL 32060, of the County of Suwannee, State of Florida, grantor*, and THOMAS H. EAGLE and STEPHEN N. KIRALY, each as to an undivided 1/2 interest, whose post office address is 114 NW Egret Lane, Lake City, FL 32055, of the County of Columbia, State of Florida, grantee*.

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

Witnesseth: that said grantor, for and in consideration of the sum of Ten Dollars ($10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

Lot 14, ARBOR GREENE AT EMERALD LAKES, a subdivision according

Signed, sealed and delivered
in our presence:

(Signature of First Witness)
Terry McDavid
(Typed Name of First Witness)

(Signature of Second Witness)
DeEtte F. Brown
(Typed Name of Second Witness)

(SEAL)
Grantor
GARY GILL
Printed Name

(SEAL)
Grantor
GWENDOLYN GILL
Printed Name

STATE OF Florida
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 27th day of April, 2005, by GARY GILL and GWENDOLYN GILL, Husband and Wife who are personally known to me or who have produced _____ as identification and who did not take an oath.

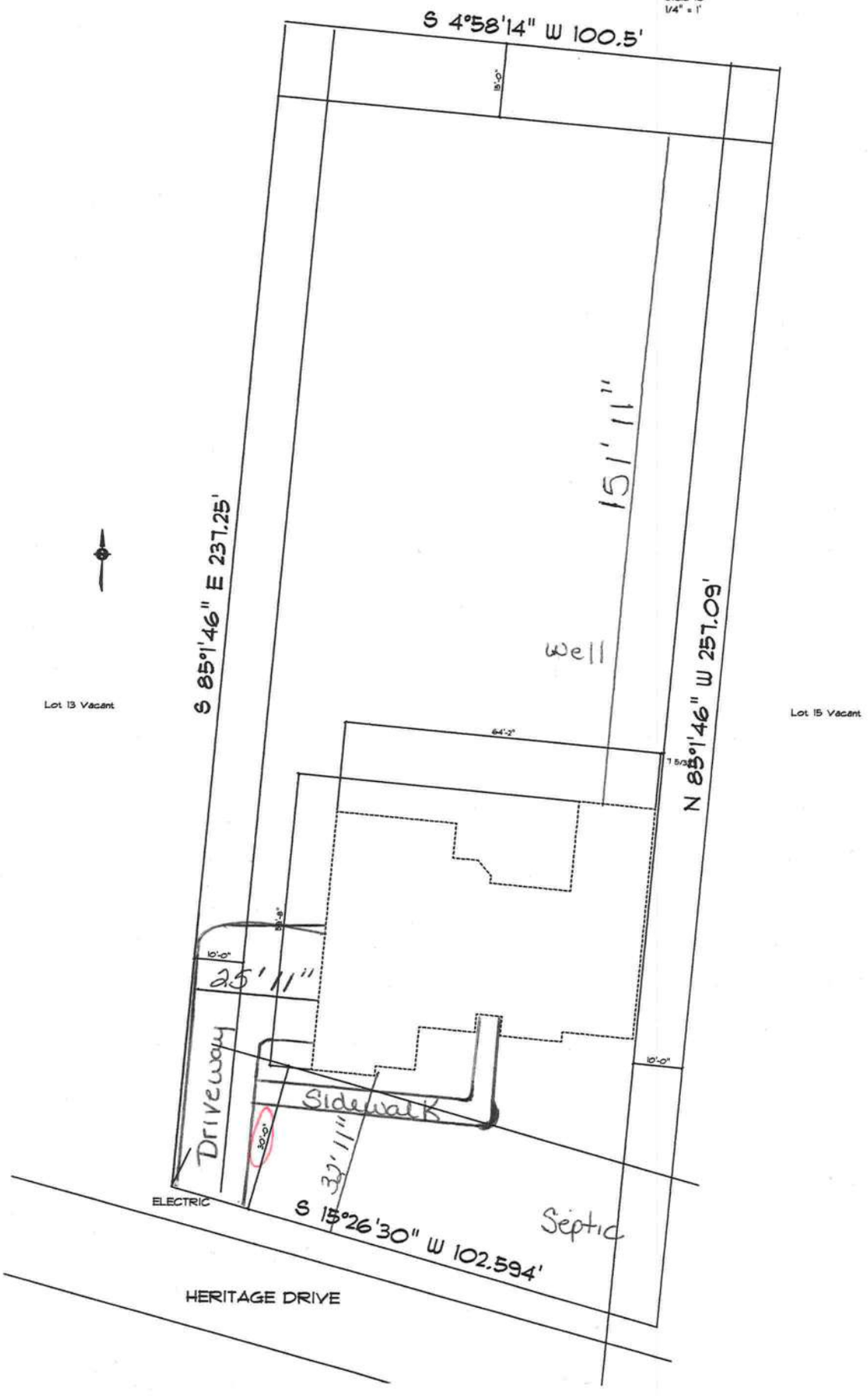
My Commission Expires:

Notary Public
Printed, typed, or stamped name:

TERRY MCDAVID
MY COMMISSION EXPIRES
January 16, 2006
#DD 079305
Bonded thru
Notary Public Underwriters
NOTARY PUBLIC, STATE OF FLORIDA

SITE PLAN
LOT 14 ARBOR GREENE @ EMERALD LAKES
.5703 ACRES

Setback Requirements
Front 30'
Rear 15'
Side 10'
1/4" = 1'



LOT 14 ARBOR GREENE @ EMERALD LAKES

DRIVING DIRECTIONS

HWY 90 WEST, RIGHT ON BROWN ROAD, LEFT INTO EMERALD LAKES ENTRANCE ON WINDING PLACE. GO TO STOP SIGN AND LEFT ONTO EMERALD LAKES DRIVE. RIGHT ON HERITAGE DRIVE. PROPERTY ON RIGHT BEFORE RETENTION POND.

FORM 600A-2001 EnergyGauge® 3.4

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**MacKenzie Residece**	Builder:	
Address:	**Lot: 14, Sub: Arbor Greene, Plat:**	Permitting Office:	Columbia
City, State:	**Lake City, FL**	Permit Number:	23992
Owner:	**Gateway Developement, LLC**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing		New	__
2. Single family or multi-family		Single family	__
3. Number of units, if multi-family		1	__
4. Number of Bedrooms		4	__
5. Is this a worst case?		Yes	__
6. Conditioned floor area (ft²)		2200 ft²	__
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	248.3 ft²	__
b. Default tint, default U-factor	0.0 ft²	0.0 ft²	__
c. Labeled U-factor or SHGC	0.0 ft²	0.0 ft²	__
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 253.0(p) ft	__
b. N/A			__
c. N/A			__
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 1870.0 ft²	__
b. N/A			__
c. N/A			__
d. N/A			__
e. N/A			__
10. Ceiling types			__
a. Under Attic		R=30.0, 2422.0 ft²	
b. N/A			__
c. N/A			__
11. Ducts			__
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 153.0 ft	
b. N/A			__
			__

12. Cooling systems		
a. Central Unit	Cap: 36.0 kBtu/hr	__
	SEER: 12.00	__
b. N/A		__
		__
c. N/A		__
		__
13. Heating systems		
a. Electric Heat Pump	Cap: 36.0 kBtu/hr	__
	HSPF: 7.00	__
b. N/A		__
		__
c. N/A		__
		__
14. Hot water systems		
a. Electric Resistance	Cap: 40.0 gallons	__
	EF: 0.97	__
b. N/A		__
		__
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		__
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT,	__

Glass/Floor Area: 0.11

Total as-built points: 29812
Total base points: 34425

PASS

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

PREPARED BY: Gary Gore

DATE: 7/15/03

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: _____

FORM 600A-2001 EnergyGauge® 3.4

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Arbor Greene, Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2200.0	20.04	7935.8	Double, Clear	S	1.5	4.5	27.0	35.87	0.78	751.5	
				Double, Clear	S	7.0	6.3	20.0	35.87	0.51	362.6	
				Double, Clear	S	12.0	6.3	15.0	35.87	0.45	244.2	
				Double, Clear	S	8.0	6.7	47.3	35.87	0.49	835.1	
				Double, Clear	E	1.5	6.3	15.0	42.06	0.92	581.8	
				Double, Clear	E	1.5	4.5	9.0	42.06	0.85	321.0	
				Double, Clear	N	1.5	6.3	50.0	19.20	0.94	906.9	
				Double, Clear	N	1.5	6.3	20.0	19.20	0.94	362.8	
				Double, Clear	W	1.5	6.3	45.0	38.52	0.92	1599.7	
				As-Built Total:				**248.3**			**5965.7**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	1870.0	1.50		2805.0	
Exterior	1870.0	1.70	3179.0									
Base Total:	**1870.0**		**3179.0**	**As-Built Total:**				**1870.0**			**2805.0**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	21.0	2.40	50.4	Exterior Wood				21.0	6.10		128.1	
Exterior	36.8	6.10	224.2	Exterior Wood				15.8	6.10		96.1	
				Adjacent Wood				21.0	2.40		50.4	
Base Total:	**57.8**		**274.6**	**As-Built Total:**				**57.8**			**274.6**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	2200.0	1.73	3806.0	Under Attic			30.0	2422.0	1.73 X 1.00		4190.1	
Base Total:	**2200.0**		**3806.0**	**As-Built Total:**				**2422.0**			**4190.1**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	253.0(p)	-37.0	-9361.0	Slab-On-Grade Edge Insulation			0.0	253.0(p	-41.20		-10423.6	
Raised	0.0	0.00	0.0									
Base Total:			**-9361.0**	**As-Built Total:**				**253.0**			**-10423.6**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	2200.0	10.21	22462.0					2200.0	10.21		22462.0	

FORM 600A-2001 EnergyGauge® 3.4

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Arbor Greene, Plat: , Lake City, FL,** PERMIT #:

BASE			AS-BUILT						
Summer Base Points:		**28296.4**	**Summer As-Built Points:**						**25273.7**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
28296.4	**0.4266**	**12071.3**	25273.7 **25273.7**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.284 **0.284**	0.950 **0.950**	7769.2 **7769.2**

FORM 600A-2001

EnergyGauge® 3.4

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Arbor Greene, Plat: , Lake City, FL,** 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	2200.0	12.74	5045.0	Double, Clear	S	1.5	4.5	27.0	13.30	1.26	451.8	
				Double, Clear	S	7.0	6.3	20.0	13.30	2.90	772.1	
				Double, Clear	S	12.0	6.3	15.0	13.30	3.48	694.8	
				Double, Clear	S	8.0	6.7	47.3	13.30	3.05	1915.5	
				Double, Clear	E	1.5	6.3	15.0	18.79	1.03	291.0	
				Double, Clear	E	1.5	4.5	9.0	18.79	1.06	179.4	
				Double, Clear	N	1.5	6.3	50.0	24.58	1.00	1231.4	
				Double, Clear	N	1.5	6.3	20.0	24.58	1.00	492.6	
				Double, Clear	W	1.5	6.3	45.0	20.73	1.02	952.2	
				As-Built Total:				**248.3**			**6980.8**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	1870.0	3.40		6358.0	
Exterior	1870.0	3.70	6919.0									
Base Total:	**1870.0**		**6919.0**	**As-Built Total:**				**1870.0**			**6358.0**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM	=	Points	
Adjacent	21.0	11.50	241.5	Exterior Wood				21.0	12.30		258.3	
Exterior	36.8	12.30	452.0	Exterior Wood				15.8	12.30		193.7	
				Adjacent Wood				21.0	11.50		241.5	
Base Total:	**57.8**		**693.5**	**As-Built Total:**				**57.8**			**693.5**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM	=	Points	
Under Attic	2200.0	2.05	4510.0	Under Attic			30.0	2422.0	2.05 X 1.00		4965.1	
Base Total:	**2200.0**		**4510.0**	**As-Built Total:**				**2422.0**			**4965.1**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM	=	Points	
Slab	253.0(p)	8.9	2251.7	Slab-On-Grade Edge Insulation			0.0	253.0(p	18.80		4756.4	
Raised	0.0	0.00	0.0									
Base Total:			**2251.7**	**As-Built Total:**				**253.0**			**4756.4**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM	=	Points	
	2200.0	-0.59	-1298.0					2200.0	-0.59		-1298.0	

FORM 600A-2001 EnergyGauge® 3.4

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Arbor Greene, Plat: , Lake City, FL,** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**18121.3**	**Winter As-Built Points:**					**22455.8**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
18121.3	**0.6274**	**11369.3**	22455.8 **22455.8**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.487 **0.487**	0.950 **0.950**	12077.7 **12077.7**

FORM 600A-2001 EnergyGauge® 3.4

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Arbor Greene, Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
4		2746.00	10984.0	40.0	0.97	4	1.00	2491.22	1.00	9964.9	
				As-Built Total:						**9964.9**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
12071	**11369**	**10984**	**34425**	**7769**	**12078**	**9965**	**29812**

PASS

FORM 600A-2001 EnergyGauge® 3.4

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Arbor Greene, Plat: , Lake City, FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
904 NORTH FIRST STREET
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

June 12, 2002

NOTICE TO ALL CONTRACTORS

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

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

Thank you,

Donald D. Hall
DDH/jk

Emerald Lakes Sub.
Tom Eagle

April 7, 2006

Mr. John Colson: Consulting engineer for the County of Columbia County Florida
Donald Lee & Associates Inc.
950 Ridgewood Drive
Lake City, FL. 32024

Dear Sir:

This is a follow up of our discussion concerning lot 14 of Arbor Green @ Emerald Lake Subdivision. Thank you for reviewing the two drawings which detailed the culvert and retaining walls that were prepared by CTC Structural/Civil Engineers. Upon the on site inspection we conducted and your review of these drawings, per our phone conversation this date, the consensus is that the proposed retaining walls will protect the integrity of the single family dwelling structural foundations. Please notify me in writing by April 14, 2006 if you should have any additional concerns or corrections in regards to this matter. Again thank you for your professional engineering assessment.

Sincerely,

Joseph T. Haltiwanger

Joseph T. Haltiwanger
Plan reviewer
Columbia County Building Department

THE COLUMBIA COUNTY BUILDING DEPARTMENT
PLANS REVIEW
135 NE HERNANDO AVE.
P.O. BOX 1529
LAKE CITY FLORIDA,32056-1526

April 7, 2006

Mr. John Colson: Consulting engineer for the County of Columbia County Florida
Donald Lee & Associates Inc.
950 Ridgewood Drive
Lake City, FL. 32024

Dear Sir:

This is a follow up of our discussion concerning lot 14 of Arbor Green @ Emerald Lake Subdivision. Thank you for reviewing the two drawings which detailed the culvert and retaining walls that were prepared by CTC Structural/Civil Engineers. Upon the on site inspection we conducted and your review of these drawings, per our phone conversation this date, the consensus is that the proposed retaining walls will protect the integrity of the single family dwelling structural foundations. Please notify me in writing by April 14, 2006 if you should have any additional concerns or corrections in regards to this matter. Again thank you for your professional engineering assessment.

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Joseph T. Haltiwanger
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Columbia County Building Department

THE COLUMBIA COUNTY BUILDING DEPARTMENT
PLANS REVIEW
135 NE HERNANDO AVE.
P.O. BOX 1529
LAKE CITY FLORIDA,32056-1526

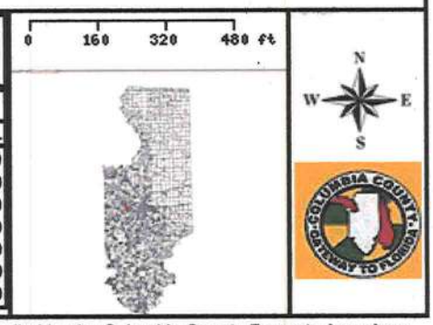
Columbia County Property Appraiser

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

PARCEL: 28-3S-16-02372-514 - VACANT (000000)

LOT 14 ARBOR GREENE AT EMERALD LAKES S/D. ORB 964-2321. WD 1044-2552.

Name:	EAGLE THOMAS H &	LandVal	$18,275.00
Site:	GREENE AT EMERALD LAKES	BldgVal	$0.00
	STEPHEN N KIRALY	ApprVal	$18,275.00
Mail:	P O BOX 813	JustVal	$18,275.00
	LAKE CITY, FL 32056	Assd	$18,275.00
Sales	4/27/2005 $27,000.00V / Q	Exmpt	$0.00
Info	10/10/2002 $19,500.00V / Q	Taxable	$18,275.00



2 3992

Amber Greene at Emerald Lakes

The County Engineer stated that the Building & Zoning Department should require the Owner and Builder to have their Engineer design a drainage plan to stabilize the ground, in order to protect and to keep it from eroding away for the proposed foundation and house.

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000000930

DATE 12/28/2005 PARCEL ID # 28-3S-16-02372-514

APPLICANT SUSAN HOLTON PHONE 961-1086

ADDRESS 11 NW EGRET LANE LAKE CITY FL 32055

OWNER THOMAS EAGLE PHONE 961-1086

ADDRESS 219 NW HERITAGE DR LAKE CITY FL 32055

CONTRACTOR DAVID MANGRUM PHONE 752-4716

LOCATION OF PROPERTY 90W, TR ON BROWN RD, TL ON WINDING PLACE, TL ON EMERALD LAKES DR., TR ON HERITAGE DR.,7TH ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT ARBOR GREEN @ EMERAL 14 1

SIGNATURE Susan Holt

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 FLORIDA

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

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

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
☐	☑	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☐	☑	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☐	☑	**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** a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically 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
- ☐ ☑ c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- ☐ ☑ d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- ☐ ☐ e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- ☐ ☑ f) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

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

Roof System:

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

Wall Sections including:

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

☐ ☐ **b) Wood frame wall**

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termicide or alternative method)
11. Slab on grade
    a. Vapor retardant (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

HVAC information

☐ ☐ a) Manual J sizing equipment or equivalent computation

☐ ☐ b) Exhaust fans in bathroom

☐ ☐ **Energy Calculations** (dimensions shall match plans)

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

☐ ☐ **Disclosure Statement for Owner Builders**

☐ ☐ ***Notice Of Commencement 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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued.
   (386) 758-1058 **(Toilet facilities shall be provided for construction workers)**

4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
   A development permit will also be required. Development permit cost is **$50.00**

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**$25.00**) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$50.00**). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.

7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR AN APPOINTMENT TIME AND DATE:

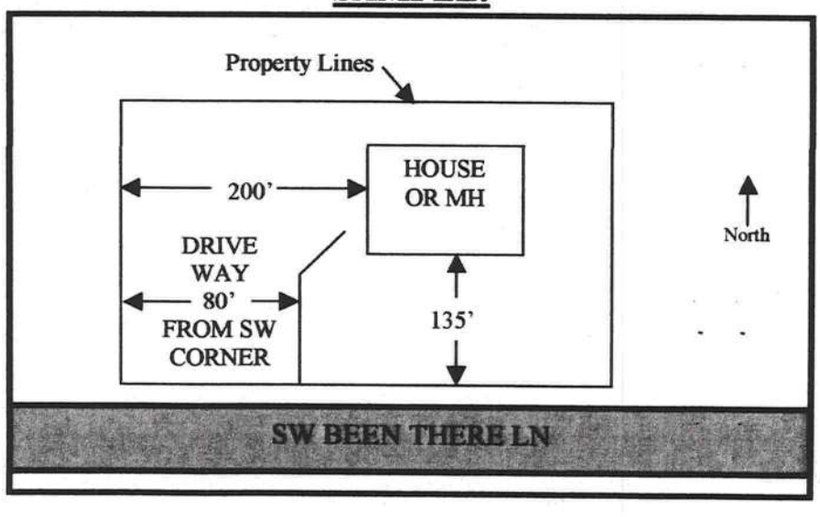
YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!

THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).

THE REQUESTER WILL NEED THE FOLLOWING:

1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123) FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
   a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
   b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
   c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.

Project Information for:	L117440		
Builder:	Lipscomb Eagle	Date:	6/27/2005
Lot:	Lot 14	Start Number:	810
Subdivision:	Arbor Green		
County or City:	Columbia County		
Truss Page Count:	52		

Truss Design Load Information (UNO) Design Program: MiTek 5.2 / 6.2

Gravity		**Wind**		**Building Code:**	FBC2001
Roof (psf):	42	Wind Standard:	ASCE 7-98		
Floor (psf):	55	Wind Speed (mph):	120		

Note: See individual truss drawings for special loading conditions

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

MANGRUM, DAVID E RB29003100
Address: 634 SE MAYHALL TERRACE
LAKE CITY, FL 32025 Designer: 60

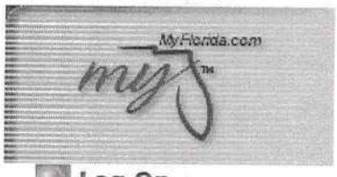
Truss Design Engineer: Thomas, E. Miller, P.E., 56877 - Byron K. Anderson, PE FL 60987
Company: Structural Engineering and Inspections, Inc. EB 9196
Address 16105 N. Florida Ave, Ste B, Lutz, FL 33549

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 1-1995 Section 2.2
3. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	062705810	6/27/2005	41	T20	062705850	6/27/2005
2	CJ3	062705811	6/27/2005	42	T21	062705851	6/27/2005
3	CJ3A	062705812	6/27/2005	43	T22	062705852	6/27/2005
4	CJ5	062705813	6/27/2005	44	T23	062705853	6/27/2005
5	CJ5A	062705814	6/27/2005	45	T26	062705854	6/27/2005
6	EJ5	062705815	6/27/2005	46	T27	062705855	6/27/2005
7	EJ7	062705816	6/27/2005	47	T28	062705856	6/27/2005
8	EJ7A	062705817	6/27/2005	48	T29	062705857	6/27/2005
9	HJ5	062705818	6/27/2005	49	T31	062705858	6/27/2005
10	HJ7	062705819	6/27/2005	50	T32	062705859	6/27/2005
11	HJ7A	062705820	6/27/2005	51	T33	062705860	6/27/2005
12	PB01	062705821	6/27/2005	52	T34	062705861	6/27/2005
13	PB02	062705822	6/27/2005				
14	PB03	062705823	6/27/2005				
15	PB04	062705824	6/27/2005				
16	PB05	062705825	6/27/2005				
17	PB06	062705826	6/27/2005				
18	PB07	062705827	6/27/2005				
19	PB08	062705828	6/27/2005				
20	PB09	062705829	6/27/2005				
21	PB10	062705830	6/27/2005				
22	PB11	062705831	6/27/2005				
23	T01	062705832	6/27/2005				
24	T02	062705833	6/27/2005				
25	T03	062705834	6/27/2005				
26	T04	062705835	6/27/2005				
27	T05	062705836	6/27/2005				
28	T06	062705837	6/27/2005				
29	T07	062705838	6/27/2005				
30	T08	062705839	6/27/2005				
31	T09	062705840	6/27/2005				
32	T10	062705841	6/27/2005				
33	T11	062705842	6/27/2005				
34	T12	062705843	6/27/2005				
35	T13	062705844	6/27/2005				
36	T15	062705845	6/27/2005				
37	T16	062705846	6/27/2005				
38	T17	062705847	6/27/2005				
39	T18	062705848	6/27/2005				
40	T19	062705849	6/27/2005				

JUN 27 2005

Dwg.#062705809



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3:47:33 PM

Licensee Details

Licensee Information

Name:	**MANGRUM, DAVID E (Primary Name)**
	STANDARD PLUMBING & SUPPLIES CO INC (DBA Name)
Main Address:	**634 SE MAYHALL TERRACE LAKE CITY Florida 32025**
County:	**COLUMBIA**
License Mailing:	
LicenseLocation:	

License Information

License Type:	**Registered Building Contractor**
Rank:	**Reg Building**
License Number:	**RB29003100**
Status:	**Current,Active**
Licensure Date:	**07/22/2002**
Expires:	**08/31/2005**
Special Qualifications	**Qualification Effective**
Bldg Code Core Course Credit	
Qualified Business License Required	**02/20/2004**

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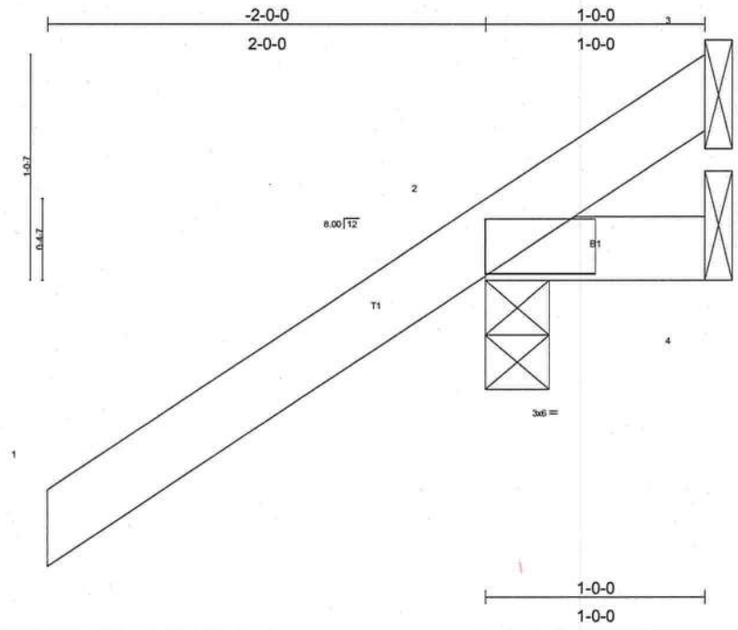
JUNE 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	
L117440	CJ1	MONO TRUSS	14	1	Dwg.#062705810

Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:47 2005 Page 1



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TCLL	20.0	Plates Increase	1.25	TC	0.31	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	FBC2001/ANSI95	(Matrix)							Weight: 7 lb	

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

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

REACTIONS (lb/size) 2=266/0-3-8, 4=14/Mechanical, 3=-90/Mechanical
Max Horz 2=137(load case 5)
Max Uplift2=-357(load case 5), 3=-90(load case 1)
Max Grav 2=266(load case 1), 4=14(load case 1), 3=176(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-84/121
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-98; 120mph (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 357 lb uplift at joint 2 and 90 lb uplift at joint 3.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	
L117440	CJ3	MONO TRUSS	12	1	Dwg.#062705811

Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:48 2005 Page 1

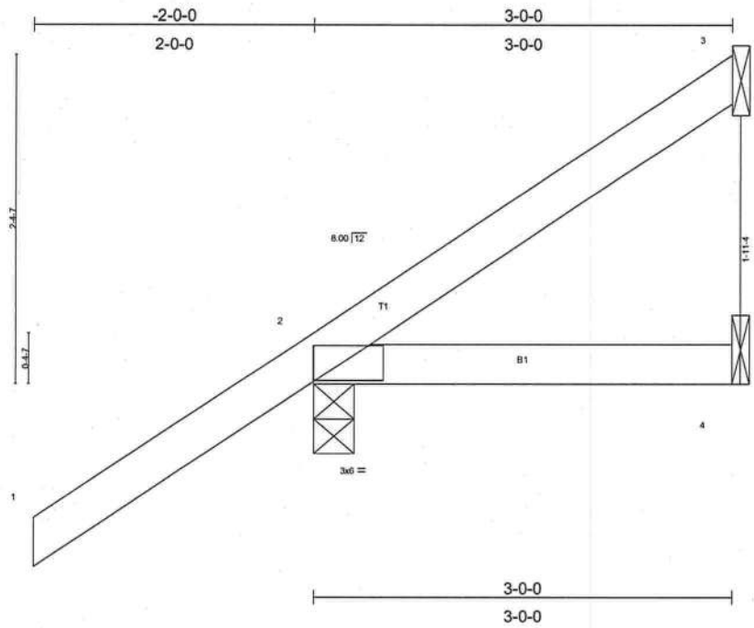


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.00	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	FBC2001/ANSI95	(Matrix)							Weight: 14 lb	

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

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

REACTIONS (lb/size) 3=31/Mechanical, 2=278/0-3-8, 4=42/Mechanical
Max Horz 2=209(load case 5)
Max Uplift3=-35(load case 4), 2=-243(load case 5)
Max Grav 3=38(load case 3), 2=278(load case 1), 4=42(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-70/21
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-98; 120mph (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 35 lb uplift at joint 3 and 243 lb uplift at joint 2.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	
L117440	CJ3A	SPECIAL	2	1	Dwg.#062705812

Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:49 2005 Page 1

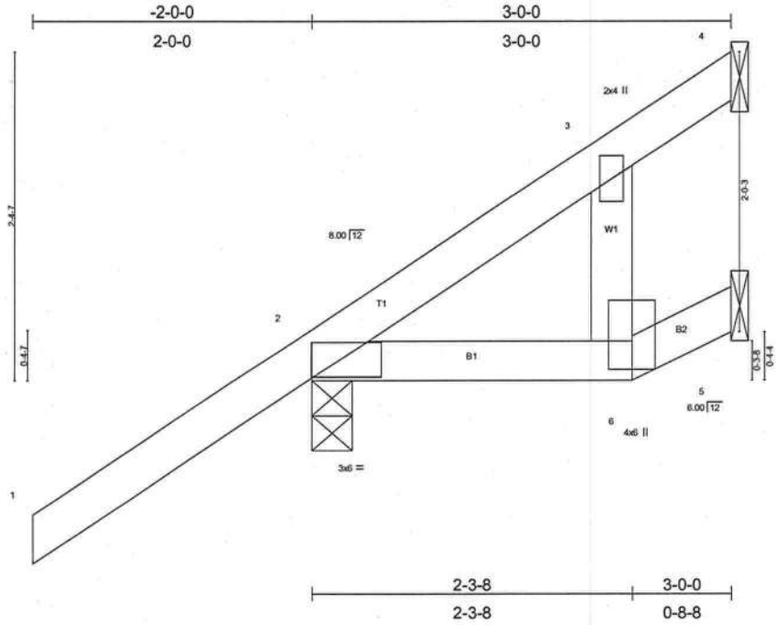


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [6:0-2-8,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.01	6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.03	Vert(TL)	-0.01	6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.01	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 16 lb	

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

BRACING
TOP CHORD Sheathed or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 4=63/Mechanical, 2=278/0-3-8, 5=10/Mechanical
Max Horz 2=209(load case 5)
Max Uplift4=-29(load case 4), 2=-243(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-74/17, 3-4=-20/33
BOT CHORD 2-6=-4/0, 5-6=-4/4
WEBS 3-6=0/42

NOTES
1) Wind: ASCE 7-98; 120mph (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 29 lb uplift at joint 4 and 243 lb uplift at joint 2.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	
L117440	CJ5	MONO TRUSS	8	1	Dwg.#062705813

Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:49 2005 Page 1

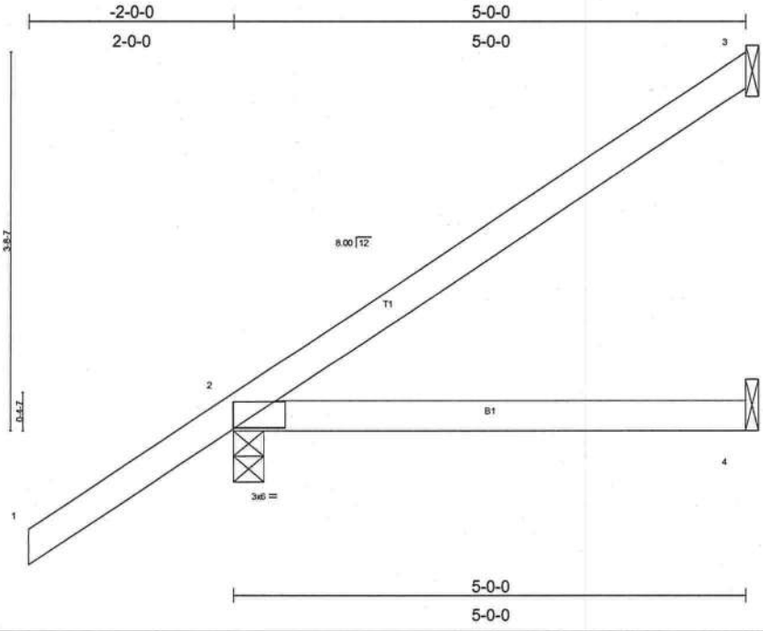


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.03	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	-0.04	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 FBC2001/ANSI95		(Matrix)							Weight: 20 lb	

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

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

REACTIONS (lb/size) 3=103/Mechanical, 2=343/0-3-8, 4=72/Mechanical
Max Horz 2=282(load case 5)
Max Uplift3=-129(load case 5), 2=-226(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-104/44
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-98; 120mph (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 129 lb uplift at joint 3 and 226 lb uplift at joint 2.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	
L117440	CJ5A	SPECIAL	2	1	Job Reference (optional)

Dwg.#062705814

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:50 2005 Page 1

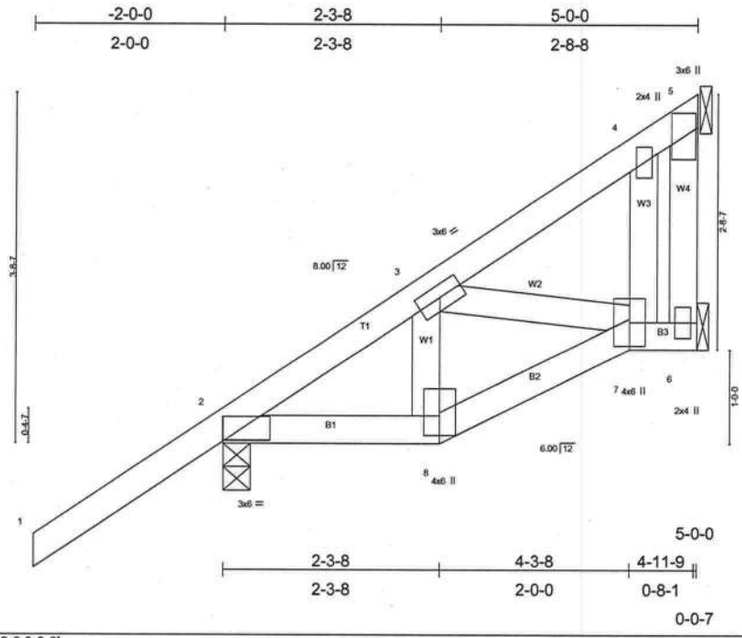


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [8:0-2-8,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	0.01	7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	0.01	7	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	-0.00	6	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 31 lb	

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

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

REACTIONS (lb/size) 5=163/Mechanical, 6=8/Mechanical, 2=340/0-3-8
Max Horz 2=279(load case 5)
Max Uplift5=-113(load case 5), 2=-226(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-205/0, 3-4=-68/0, 4-5=-72/89, 5-6=0/0
BOT CHORD 2-8=-52/113, 7-8=-56/138, 6-7=-0/0
WEBS 3-8=-23/37, 4-7=-27/119, 3-7=-107/47

NOTES
1) Wind: ASCE 7-98; 120mph (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 113 lb uplift at joint 5 and 226 lb uplift at joint 2.
4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	
L117440	EJ5	MONO TRUSS	4	1	Dwg.#062705815

Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:50 2005 Page 1

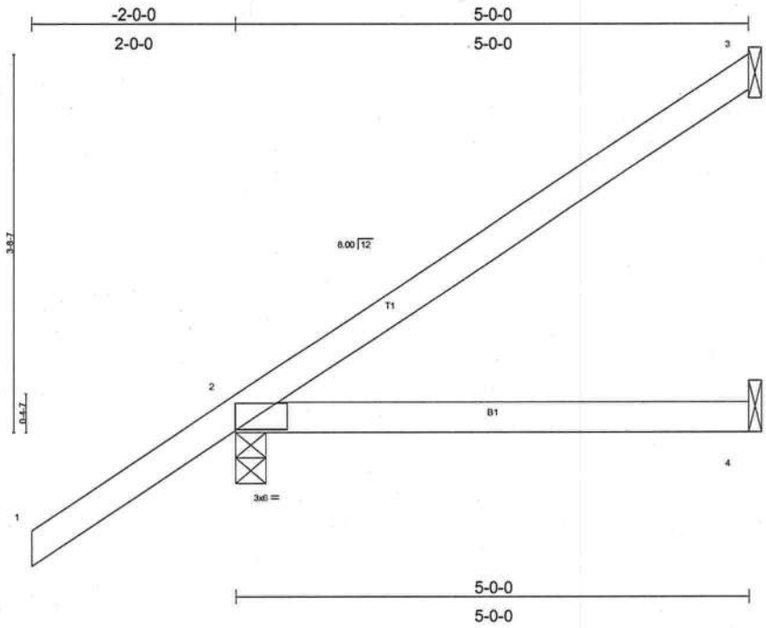


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.03	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	-0.04	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	FBC2001/ANSI95	(Matrix)							Weight: 20 lb	

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

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

REACTIONS (lb/size) 3=103/Mechanical, 2=343/0-3-8, 4=72/Mechanical
Max Horz 2=282(load case 5)
Max Uplift3=-129(load case 5), 2=-226(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-104/44
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-98; 120mph (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 129 lb uplift at joint 3 and 226 lb uplift at joint 2.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	
L117440	EJ7	MONO TRUSS	27	1	Dwg.#062705816

Builders FirstSource, Lake City, Fl 32055 — Job Reference (optional)

6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:51 2005 Page 1

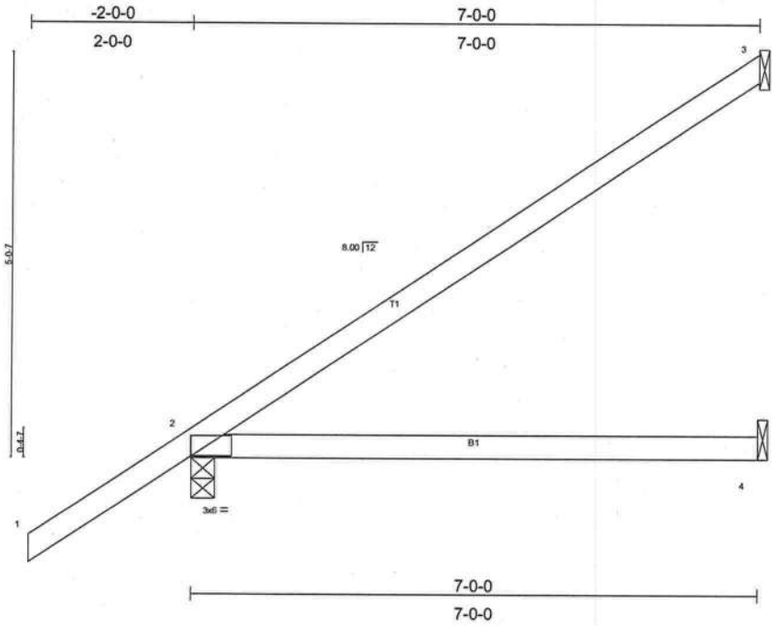


Plate Offsets (X,Y): [2:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.11	2-4	>776	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.16	2-4	>517	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 27 lb	

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

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

REACTIONS (lb/size) 3=165/Mechanical, 2=419/0-3-8, 4=102/Mechanical
Max Horz 2=355(load case 5)
Max Uplift3=-214(load case 5), 2=-229(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-162/73
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-98; 120mph (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 214 lb uplift at joint 3 and 229 lb uplift at joint 2.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	
L117440	EJ7A	SPECIAL	3	1	Dwg.#062705817

Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:51 2005 Page 1

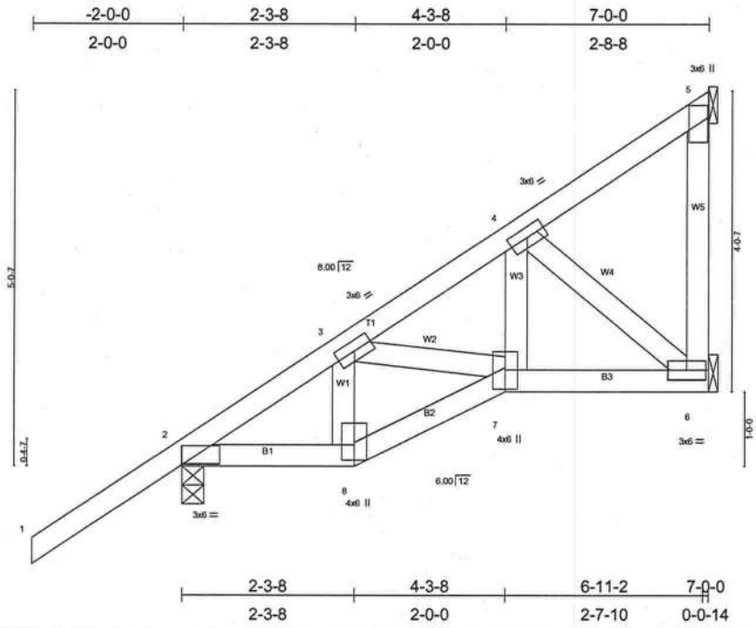


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [8:0-2-8,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.00	7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 44 lb	

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

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

REACTIONS (lb/size) 6=213/Mechanical, 2=416/0-3-8, 5=50/Mechanical
Max Horz 2=352(load case 5)
Max Uplift6=-126(load case 5), 2=-228(load case 5), 5=-64(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-319/0, 3-4=-283/27, 4-5=-49/21, 5-6=0/0
BOT CHORD 2-8=-106/197, 7-8=-114/228, 6-7=-174/211
WEBS 3-8=-36/62, 3-7=-77/29, 4-7=-25/160, 4-6=-274/226

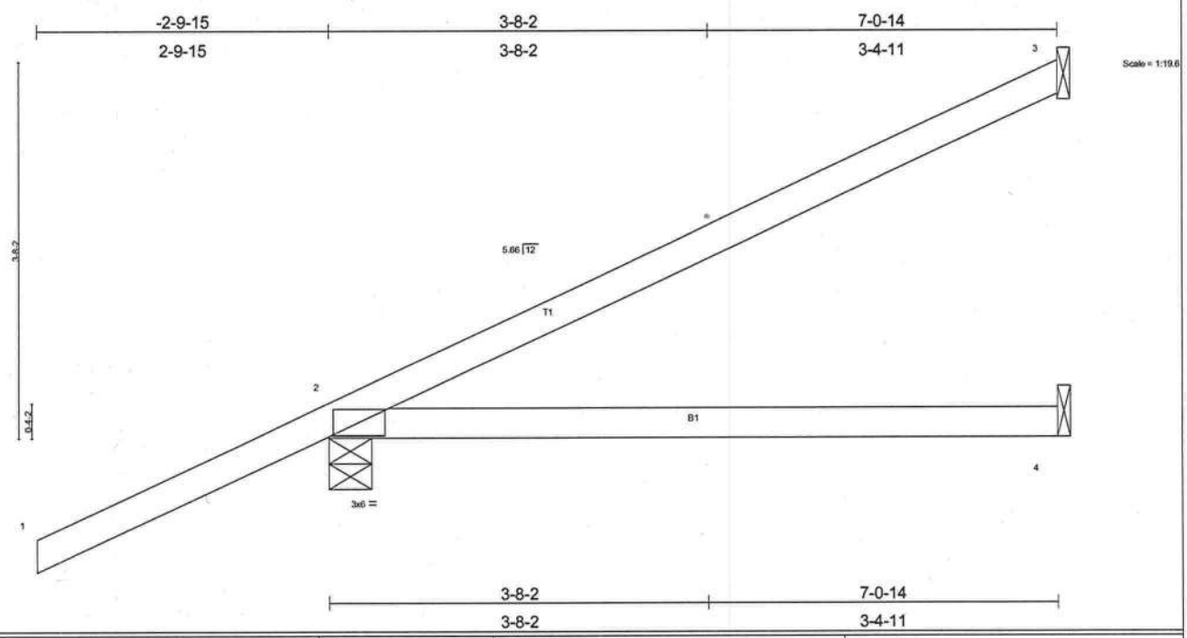
NOTES
1) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 126 lb uplift at joint 6, 228 lb uplift at joint 2 and 64 lb uplift at joint 5.
4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705818
L117440	HJ5	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:52 2005 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	0.55	Vert(LL)	-0.09	2-4	>872	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.14	2-4	>581	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 27 lb	

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

BRACING
TOP CHORD Sheathed or 7-0-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=183/Mechanical, 2=375/0-4-15, 4=120/Mechanical
Max Horz 2=263(load case 4)
Max Uplift3=-197(load case 4), 2=-279(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/64, 2-3=-110/53
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-98; 120mph (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 197 lb uplift at joint 3 and 279 lb uplift at joint 2.
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=-3(F=26, B=26)-to-3=-95(F=-21, B=-21), 2=-0(F=15, B=15)-to-4=-53(F=-12, B=-12)

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705819
L117440	HJ7	MONO TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:53 2005 Page 1

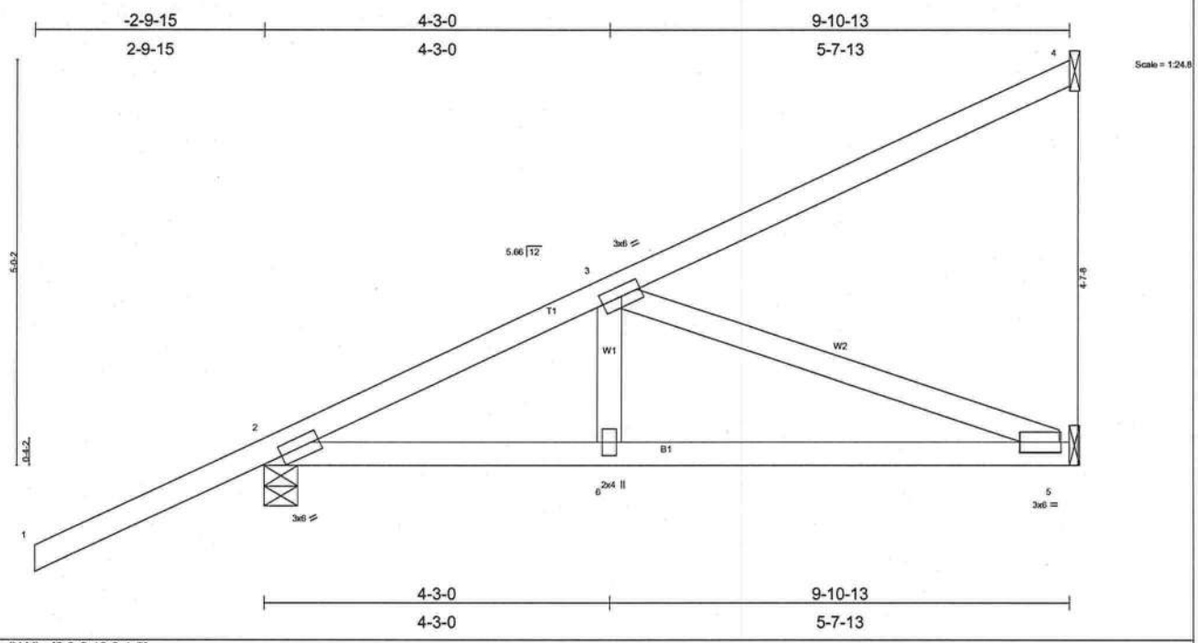


Plate Offsets (X,Y): [2:0-2-13,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	-0.07	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.10	5-6	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.42	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 47 lb	

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

BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-7-6 oc bracing.

REACTIONS (lb/size) 4=266/Mechanical, 2=531/0-4-15, 5=379/Mechanical
Max Horz 2=432(load case 4)
Max Uplift4=-327(load case 4), 2=-295(load case 4), 5=-111(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/64, 2-3=-700/26, 3-4=-175/83
BOT CHORD 2-6=-349/618, 5-6=-349/618
WEBS 3-6=0/165, 3-5=-659/372

NOTES
1) Wind: ASCE 7-98; 120mph (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 327 lb uplift at joint 4, 295 lb uplift at joint 2 and 111 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=-3(F=26, B=26)-to-4=-134(F=-40, B=-40), 2=-0(F=15, B=15)-to-5=-74(F=-22, B=-22)

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	
L117440	HJ7A	SPECIAL	1	1	Dwg.#062705820

Builders FirstSource, Lake City, Fl 32055

Job Reference (optional)
6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:53 2005 Page 1

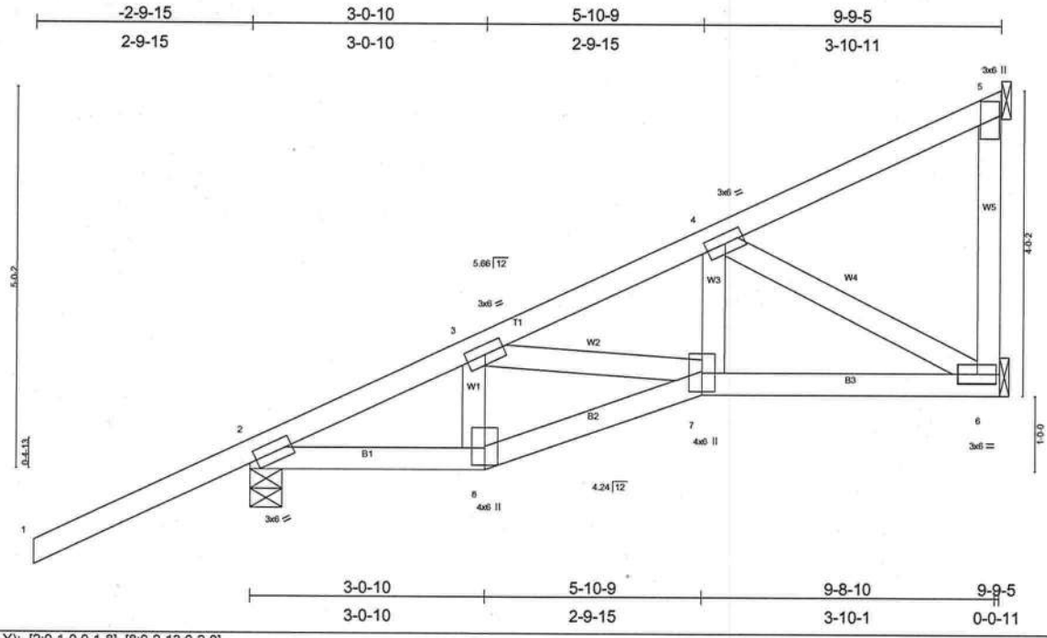


Plate Offsets (X,Y): [2:0-1-0,0-1-8], [8:0-2-13,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.02	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.02	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.21	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 55 lb	

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

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

REACTIONS (lb/size) 5=187/Mechanical, 6=444/Mechanical, 2=526/0-4-15
Max Horz 2=420(load case 4)
Max Uplift5=-233(load case 4), 6=-195(load case 4), 2=-293(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/62, 2-3=-510/0, 3-4=-737/155, 4-5=-123/44, 5-6=0/0
BOT CHORD 2-8=-175/419, 7-8=-175/453, 6-7=-417/632
WEBS 3-8=-157/161, 3-7=-260/253, 4-7=0/279, 4-6=-672/443

NOTES
1) Wind: ASCE 7-98; 120mph (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 233 lb uplift at joint 5, 195 lb uplift at joint 6 and 293 lb uplift at joint 2.
4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-3(F=26, B=26)-to-5=-134(F=-40, B=-40), 2=-0(F=15, B=15)-to-8=-22(F=4, B=4), 8=-22(F=4, B=4)-to-7=-45(F=-7, B=-7), 7=-45(F=-7, B=-7)-to-6=-74(F=-22, B=-22)

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	
L117440	PB01	HIP CAP	1	1	Dwg.#062705821

Job Reference (optional)

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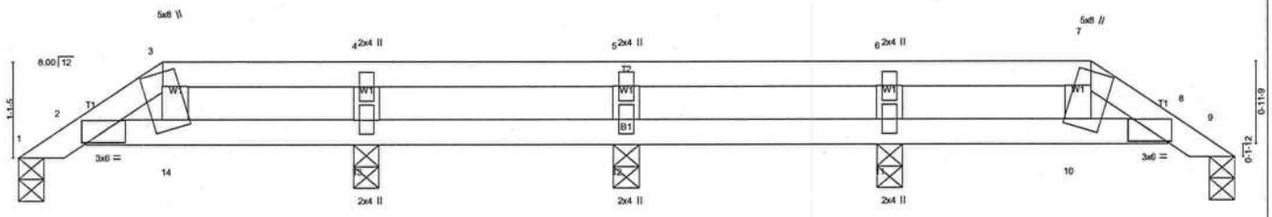
1-7-15	7-0-0	12-4-1	14-0-0
1-7-15	5-4-1	5-4-1	1-7-15

Scale = 1:23.2



1-9-11	3-10-4	6-10-4	10-2-1	12-2-5	14-0-0
1-9-11	2-0-9	3-0-0	3-3-13	2-0-4	1-9-11

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.13	Vert(LL)	0.01	14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	0.01	14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 43 lb	

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

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

REACTIONS (lb/size) 1=145/0-3-8, 9=144/0-3-8, 13=313/0-3-8, 12=213/0-3-8, 11=313/0-3-8
Max Horz 1=42(load case 4)
Max Uplift1=-57(load case 5), 9=-60(load case 6), 13=-186(load case 4), 12=-143(load case 3), 11=-176(load case 3)
Max Grav 1=145(load case 1), 9=144(load case 1), 13=315(load case 7), 12=218(load case 8), 11=314(load case 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-71/49, 2-3=-149/87, 7-8=-148/87, 8-9=-71/46, 3-4=-122/90, 4-5=-122/91, 5-6=-122/91, 6-7=-122/90
BOT CHORD 2-14=-62/119, 13-14=-54/122, 12-13=-54/122, 11-12=-54/122, 10-11=-54/122, 8-10=-59/119
WEBS 3-14=0/38, 7-10=0/34, 4-13=-187/177, 5-12=-148/169, 6-11=-187/175

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Bearing at joint(s) 1, 9 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 57 lb uplift at joint 1, 60 lb uplift at joint 9, 186 lb uplift at joint 13, 143 lb uplift at joint 12 and 176 lb uplift at joint 11.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705822
L117440	PB02	HIP CAP	1	1	

Builders FirstSource, Lake City, Fl 32055 — Job Reference (optional)

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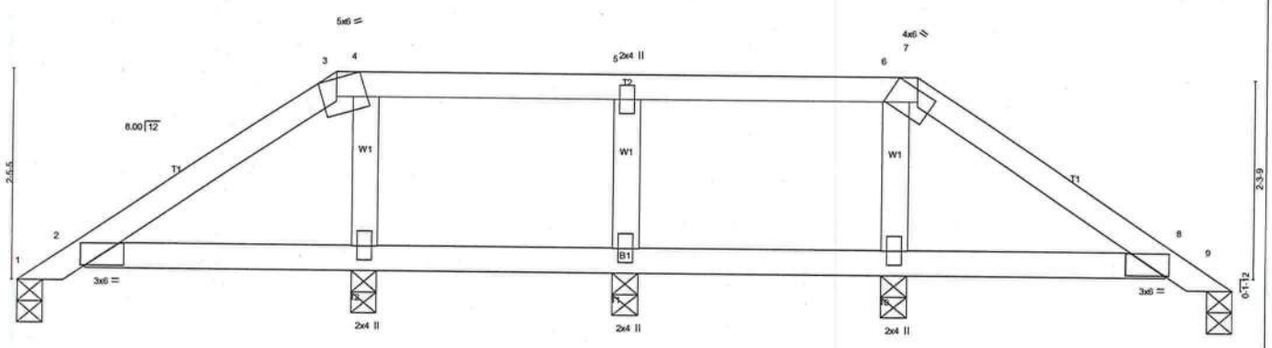
3-7-15 | 10-4-1 | 14-0-0

3-7-15 | 6-8-2 | 3-7-15

Scale = 1:23.2



3-9-11 | 3-10-4 | 6-10-4 | 10-1-1 | 10-2-5 | 14-0-0

3-9-11 | 0-0-9 | 3-0-0 | 3-2-13 | 0-1-4 | 3-9-11

Plate Offsets (X,Y): [3:0-2-0,Edge], [7:0-3-0,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	0.01	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	0.01	2-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	9	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 49 lb	

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

BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=66/0-3-8, 9=62/0-3-8, 12=400/0-3-8, 11=203/0-3-8, 10=398/0-3-8
Max Horz 1=98(load case 4)
Max Uplift1=-30(load case 6), 9=-47(load case 6), 12=-178(load case 4), 11=-176(load case 3), 10=-146(load case 6)
Max Grav 1=79(load case 7), 9=73(load case 8), 12=400(load case 1), 11=226(load case 8), 10=398(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-86/90, 2-3=-68/173, 7-8=-54/175, 8-9=-35/29, 3-4=-6/103, 4-5=-6/103, 5-6=-6/103, 6-7=-6/103
BOT CHORD 2-12=-103/112, 11-12=-103/112, 10-11=-103/112, 8-10=-103/112
WEBS 4-12=-269/206, 5-11=-151/192, 6-10=-269/207

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Bearing at joint(s) 1, 9 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 30 lb uplift at joint 1, 47 lb uplift at joint 9, 178 lb uplift at joint 12, 176 lb uplift at joint 11 and 146 lb uplift at joint 10.

LOAD CASE(S) Standard

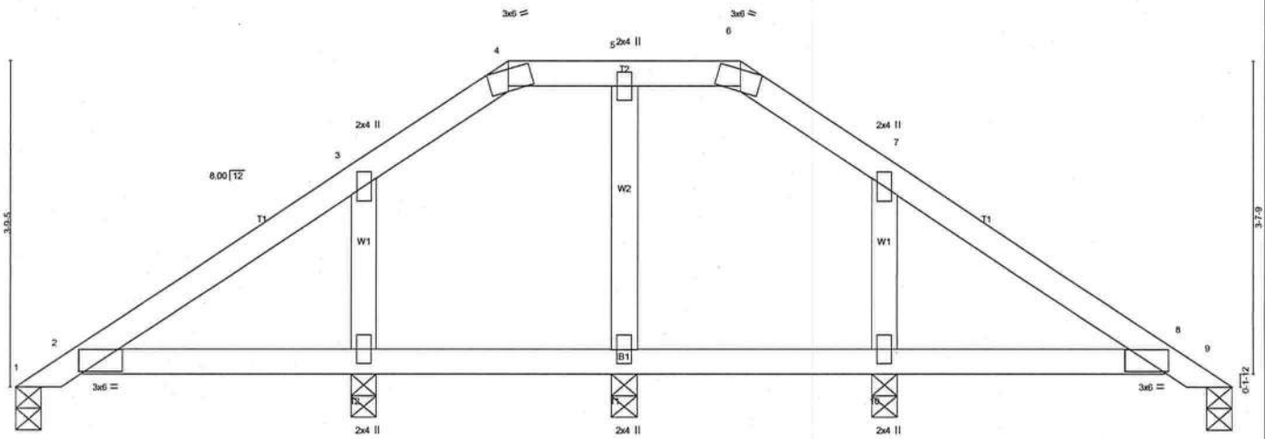
JUNE 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705823
L117440	PB03	HIP CAP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:55 2005 Page 1

5-7-15	8-4-1	14-0-0
5-7-15	2-8-2	5-7-15

Scale = 1:23.2



3-10-4	5-9-11	6-10-4	8-2-5	10-1-12	14-0-0
3-10-4	1-11-7	1-0-9	1-4-1	1-11-7	3-10-4

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	0.01	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	0.01	2-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 53 lb	

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

BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=80/0-3-8, 9=80/0-3-8, 11=272/0-3-8, 12=349/0-3-8, 10=349/0-3-8
Max Horz 1=153(load case 4)
Max Uplift1=-34(load case 3), 9=-27(load case 3), 11=-102(load case 4), 12=-237(load case 5), 10=-220(load case 6)
Max Grav 1=92(load case 7), 9=92(load case 8), 11=272(load case 1), 12=349(load case 1), 10=349(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-144/154, 2-3=-134/149, 3-4=0/84, 6-7=0/80, 7-8=-90/149, 8-9=-44/18, 4-5=0/73, 5-6=0/73
BOT CHORD 2-12=-72/146, 11-12=-72/146, 10-11=-72/146, 8-10=-72/146
WEBS 5-11=-207/124, 3-12=-217/229, 7-10=-217/220

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Bearing at joint(s) 1, 9 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 34 lb uplift at joint 1, 27 lb uplift at joint 9, 102 lb uplift at joint 11, 237 lb uplift at joint 12 and 220 lb uplift at joint 10.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	
L117440	PB04	PIGGYBACK	4	1	Dwg.#062705824

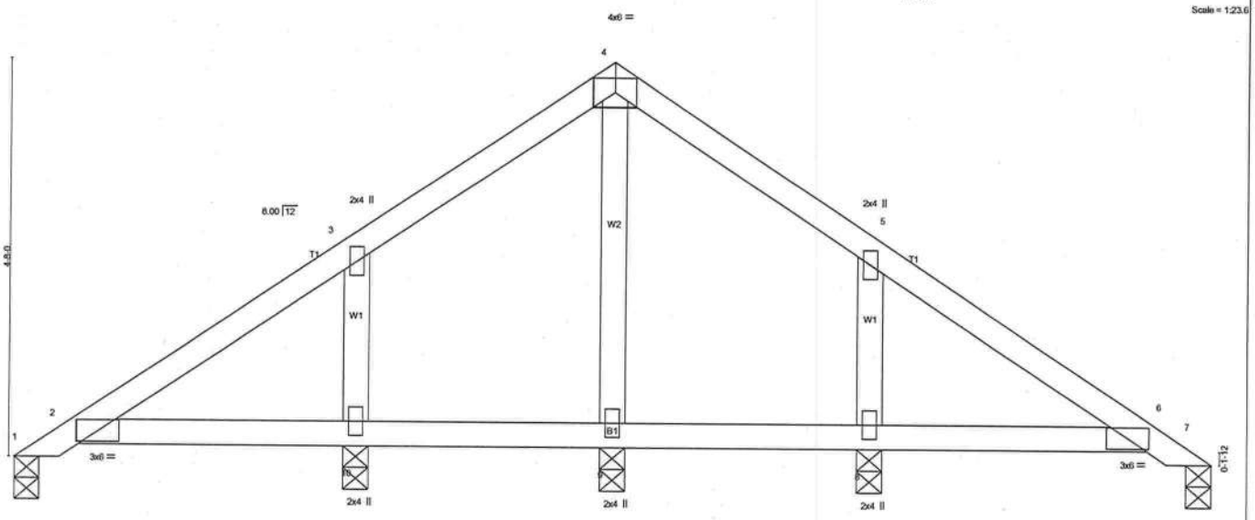
Builders FirstSource, Lake City, Fl 32055 — Job Reference (optional)

6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:56 2005 Page 1

0-0 | 7-0-0 | 14-0-0

0-0 | 7-0-0 | 7-0-0

Scale = 1:23.6



3-10-4 | 7-0-0 | 10-1-12 | 14-0-0

3-10-4 | 3-1-12 | 3-1-12 | 3-10-4

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.13	Vert(LL)	0.01	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	0.01	2-10	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 55 lb	

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

BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=62/0-3-8, 7=62/0-3-8, 9=349/0-3-8, 10=328/0-3-8, 8=328/0-3-8
Max Horz 1=189(load case 4)
Max Uplift1=-50(load case 3), 7=-21(load case 6), 9=-54(load case 5), 10=-254(load case 5), 8=-243(load case 6)
Max Grav 1=75(load case 7), 7=75(load case 8), 9=349(load case 1), 10=336(load case 7), 8=336(load case 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-192/193, 2-3=-158/189, 3-4=-49/168, 4-5=-13/168, 5-6=-103/189, 6-7=-36/15
BOT CHORD 2-10=-107/155, 9-10=-107/155, 8-9=-107/155, 6-8=-107/155
WEBS 4-9=-282/82, 3-10=-207/248, 5-8=-207/243

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 1, 21 lb uplift at joint 7, 54 lb uplift at joint 9 , 254 lb uplift at joint 10 and 243 lb uplift at joint 8.

LOAD CASE(S) Standard

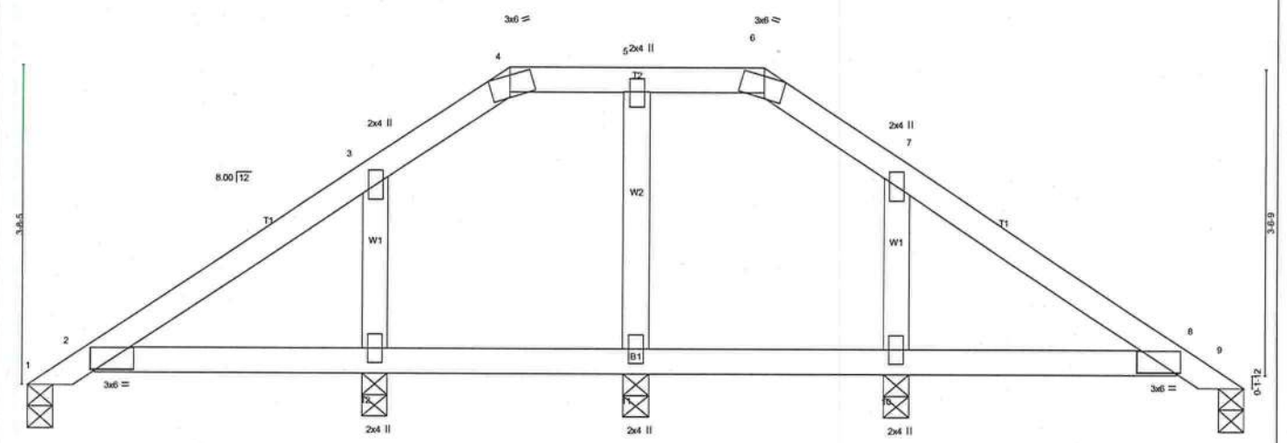
JUNE 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705825
L117440	PB05	HIP CAP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:57 2005 Page 1

5-6-7 | 8-5-9 | 14-0-0
5-6-7 | 2-11-2 | 5-6-7

Scale = 1:23.2



3-10-4 | 5-8-3 | 6-10-4 | 8-3-13 | 10-1-12 | 14-0-0
3-10-4 | 1-9-15 | 1-2-1 | 1-5-9 | 1-9-15 | 3-10-4

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	0.01	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	0.01	2-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.06	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 53 lb	

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

BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=80/0-3-8, 9=80/0-3-8, 12=351/0-3-8, 10=351/0-3-8, 11=266/0-3-8
Max Horz 1=150(load case 4)
Max Uplift1=-33(load case 3), 9=-28(load case 3), 12=-234(load case 5), 10=-216(load case 6), 11=-108(load case 4)
Max Grav 1=93(load case 7), 9=93(load case 8), 12=351(load case 1), 10=351(load case 1), 11=266(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-140/151, 2-3=-133/149, 3-4=-0/83, 6-7=-0/81, 7-8=-92/149, 8-9=-45/19, 4-5=0/72, 5-6=0/72
BOT CHORD 2-12=-72/148, 11-12=-72/148, 10-11=-72/148, 8-10=-72/148
WEBS 3-12=-220/226, 7-10=-220/218, 5-11=-202/130

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Bearing at joint(s) 1, 9 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 33 lb uplift at joint 1, 28 lb uplift at joint 9, 234 lb uplift at joint 12, 216 lb uplift at joint 10 and 108 lb uplift at joint 11.

LOAD CASE(S) Standard

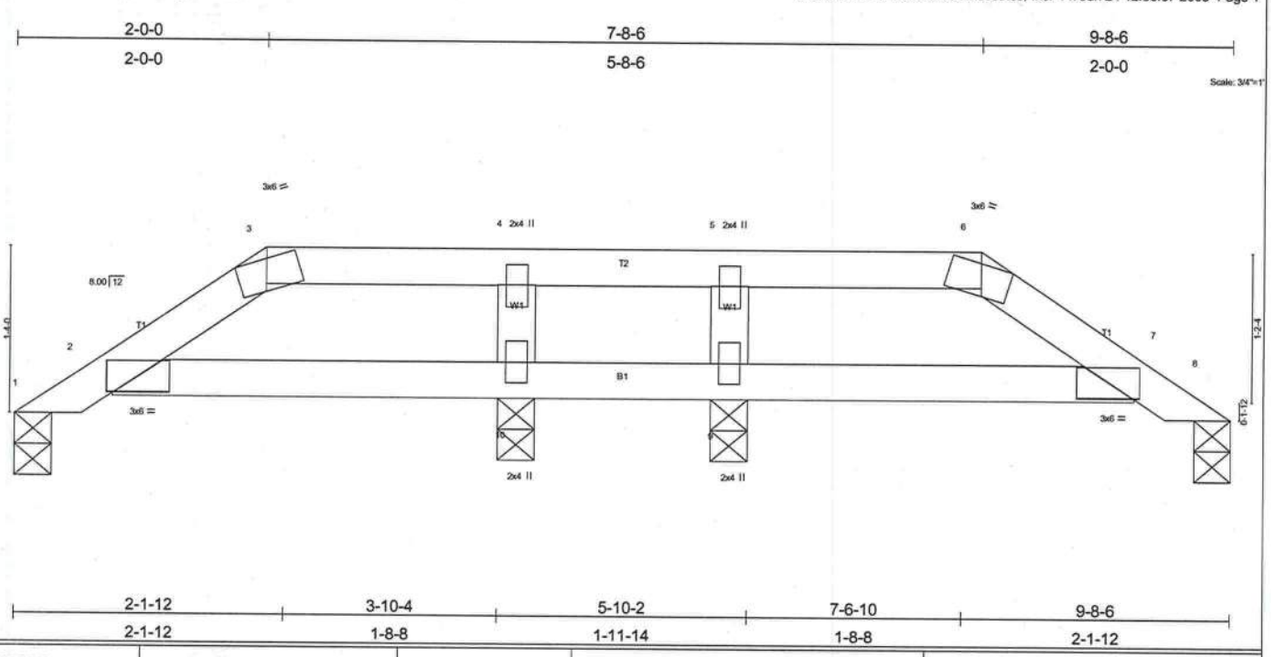
JUNE 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	
L117440	PB06	HIP PIGGYBACK	1	1	Dwg.#062705826

Builders FirstSource, Lake City, Fl 32055

Job Reference (optional)

6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:57 2005 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	0.14	Vert(LL)	0.01	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	0.01	7-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.01	8	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 30 lb	

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

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

REACTIONS (lb/size) 1=162/0-3-8, 8=162/0-3-8, 10=221/0-3-8, 9=221/0-3-8
Max Horz 1=-52(load case 3)
Max Uplift1=-67(load case 5), 8=-71(load case 6), 10=-152(load case 4), 9=-145(load case 3)
Max Grav 1=162(load case 1), 8=162(load case 1), 10=242(load case 7), 9=242(load case 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-80/61, 2-3=-166/151, 3-4=-136/151, 4-5=-136/151, 5-6=-136/151, 6-7=-166/151, 7-8=-80/61
BOT CHORD 2-10=-86/136, 9-10=-86/136, 7-9=-86/136
WEBS 4-10=-137/144, 5-9=-137/144

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Bearing at joint(s) 1, 8 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 67 lb uplift at joint 1, 71 lb uplift at joint 8, 152 lb uplift at joint 10 and 145 lb uplift at joint 9.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	
L117440	PB07	HIP PIGGYBACK	1	1	Dwg.#062705827

Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:58 2005 Page 1

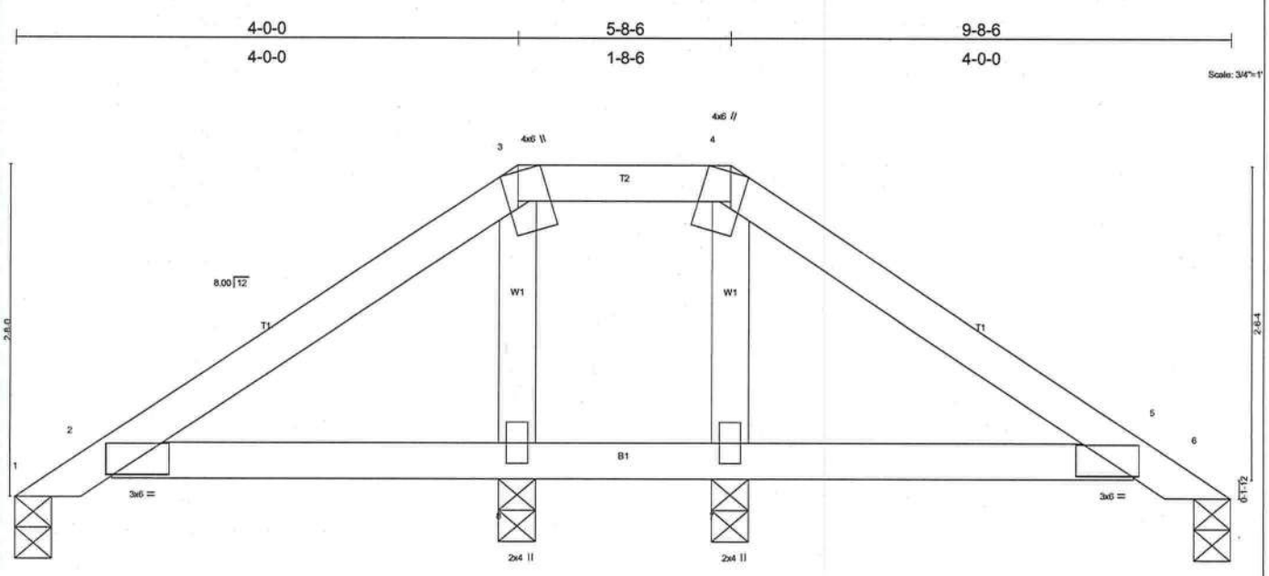


Plate Offsets (X,Y): [3:0-2-12,Edge], [4:0-2-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.11	Vert(LL)	0.01	2-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	0.01	2-8	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	6	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 35 lb	

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

BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=29/0-3-8, 6=29/0-3-8, 8=355/0-3-8, 7=355/0-3-8
Max Horz 1=-107(load case 3)
Max Uplift1=-15(load case 3), 6=-35(load case 3), 8=-202(load case 5), 7=-174(load case 6)
Max Grav 1=51(load case 7), 6=51(load case 8), 8=368(load case 7), 7=368(load case 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-98/105, 2-3=-129/269, 3-4=-37/177, 4-5=-124/269, 5-6=-24/23
BOT CHORD 2-8=-177/180, 7-8=-177/180, 5-7=-177/180
WEBS 3-8=-264/204, 4-7=-264/204

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Bearing at joint(s) 1, 6 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 15 lb uplift at joint 1, 35 lb uplift at joint 6, 202 lb uplift at joint 8 and 174 lb uplift at joint 7.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705828
L117440	PB08	PIGGYBACK	3	1	

Builders FirstSource, Lake City, Fl 32055 — Job Reference (optional)

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0-0 4-10-3 9-8-6

0-0 4-10-3 4-10-3

Scale = 1:17.3

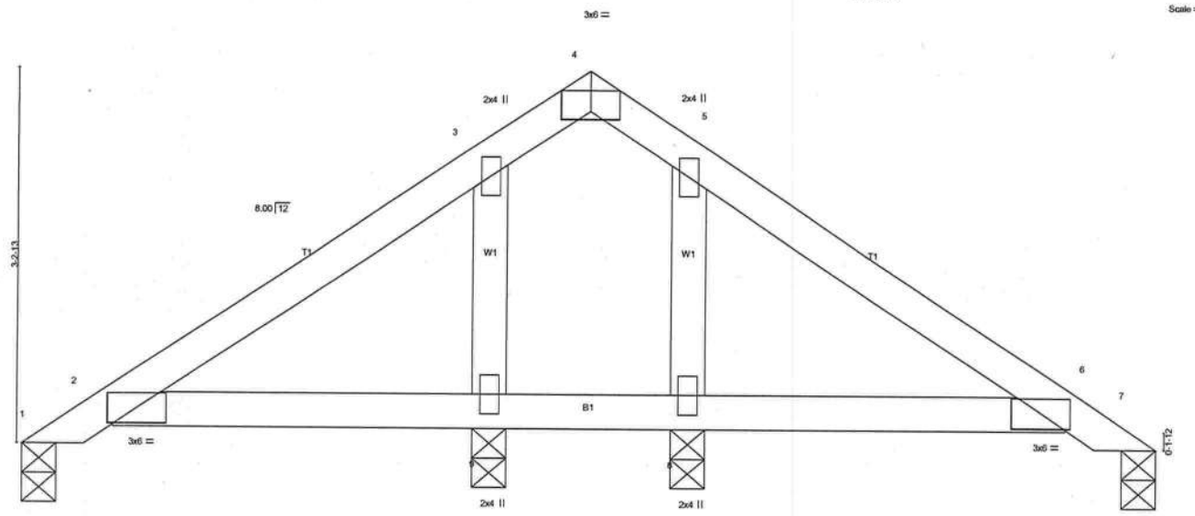


Plate Offsets (X,Y): [4:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	0.01	2-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	0.01	2-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 35 lb	

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

BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=40/0-3-8, 7=40/0-3-8, 9=343/0-3-8, 8=343/0-3-8
Max Horz 1=-130(load case 3)
Max Uplift1=-13(load case 3), 7=-19(load case 3), 9=-230(load case 5), 8=-203(load case 6)
Max Grav 1=60(load case 7), 7=60(load case 8), 9=350(load case 7), 8=350(load case 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-126/123, 2-3=-163/240, 3-4=-31/124, 4-5=-38/124, 5-6=-163/240, 6-7=-28/14
BOT CHORD 2-9=-149/212, 8-9=-149/212, 6-8=-149/212
WEBS 3-9=-253/217, 5-8=-253/208

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 1, 19 lb uplift at joint 7, 230 lb uplift at joint 9 and 203 lb uplift at joint 8.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705829
L117440	PB09	HIP CAP	1	1	

Builders FirstSource, Lake City, Fl 32055

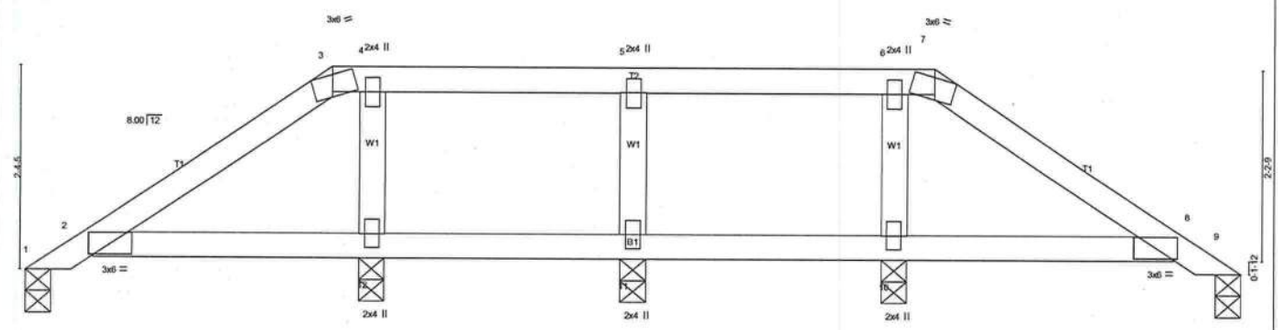
Job Reference (optional)

6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:59 2005 Page 1

3-6-7 | 10-5-9 | 14-0-0

3-6-7 | 6-11-2 | 3-6-7

Scale = 1:23.2



3-8-3 | 3-10-4 | 6-10-4 | 10-1-12 | 10-3-13 | 14-0-0

3-8-3 | 0-2-1 | 3-0-0 | 3-3-8 | 0-2-1 | 3-8-3

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	0.01	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	0.01	2-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 49 lb	

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

BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=79/0-3-8, 9=79/0-3-8, 12=391/0-3-8, 10=391/0-3-8, 11=188/0-3-8
Max Horz 1=95(load case 4)
Max Uplift1=-38(load case 6), 9=-57(load case 6), 12=-182(load case 4), 10=-140(load case 3), 11=-173(load case 3)
Max Grav 1=87(load case 7), 9=87(load case 8), 12=391(load case 1), 10=391(load case 1), 11=212(load case 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-83/86, 2-3=-61/140, 7-8=-30/140, 8-9=-42/34, 3-4=-10/78, 4-5=-10/78, 5-6=-10/78, 6-7=-10/78
BOT CHORD 2-12=-78/92, 11-12=-78/92, 10-11=-78/92, 8-10=-78/92
WEBS 4-12=-256/198, 6-10=-256/198, 5-11=-142/188

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Bearing at joint(s) 1, 9 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 38 lb uplift at joint 1, 57 lb uplift at joint 9, 182 lb uplift at joint 12, 140 lb uplift at joint 10 and 173 lb uplift at joint 11.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	
L117440	PB10	HIP PIGGYBACK	1	1	Dwg.#062705830

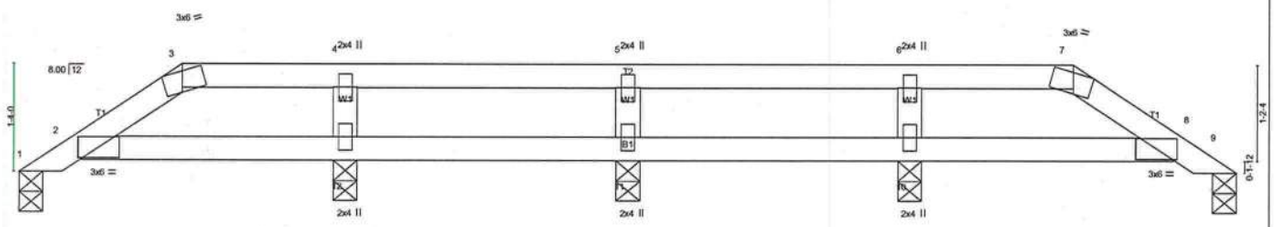
Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:36:59 2005 Page 1

2-0-0 | 7-5-10 | 12-11-3 | 14-11-3

2-0-0 | 5-5-10 | 5-5-10 | 2-0-0

Scale = 1:24.8



2-1-12 | 3-10-4 | 7-7-6 | 11-0-15 | 12-9-7 | 14-11-3

2-1-12 | 1-8-8 | 3-9-2 | 3-5-9 | 1-8-8 | 2-1-12

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	0.01	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	0.01	2-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.01	9	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 46 lb	

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

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

REACTIONS (lb/size) 1=143/0-3-8, 9=143/0-3-8, 12=327/0-3-8, 11=266/0-3-8, 10=327/0-3-8
Max Horz 1=52(load case 4)
Max Uplift1=-62(load case 5), 9=-67(load case 6), 12=-189(load case 4), 11=-180(load case 3), 10=-177(load case 3)
Max Grav 1=143(load case 1), 9=143(load case 1), 12=330(load case 7), 11=272(load case 7), 10=330(load case 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-70/54, 2-3=-116/89, 3-4=-91/94, 4-5=-91/94, 5-6=-91/94, 6-7=-91/94, 7-8=-116/89, 8-9=-70/47
BOT CHORD 2-12=-51/91, 11-12=-51/91, 10-11=-51/91, 8-10=-51/91
WEBS 4-12=-194/192, 5-11=-183/203, 6-10=-194/185

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Bearing at joint(s) 1, 9 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 62 lb uplift at joint 1, 67 lb uplift at joint 9, 189 lb uplift at joint 12, 180 lb uplift at joint 11 and 177 lb uplift at joint 10.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705831
L117440	PB11	PIGGYBACK	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:37:00 2005 Page 1

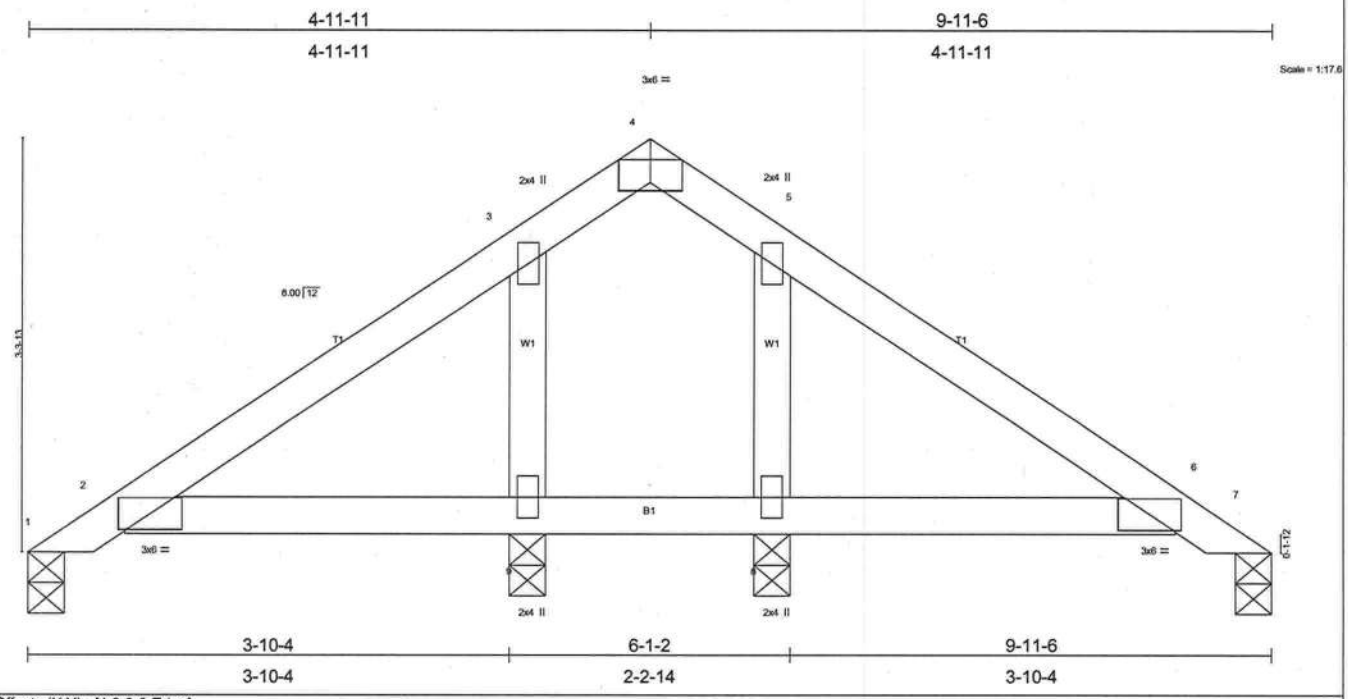


Plate Offsets (X,Y): [4:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	0.01	2-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	0.01	2-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	7	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 36 lb	

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

BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=49/0-3-8, 7=49/0-3-8, 9=345/0-3-8, 8=345/0-3-8
Max Horz 1=-133(load case 3)
Max Uplift1=-12(load case 3), 7=-16(load case 3), 9=-229(load case 5), 8=-203(load case 6)
Max Grav 1=66(load case 7), 7=66(load case 8), 9=348(load case 7), 8=348(load case 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-129/126, 2-3=-160/222, 3-4=-25/111, 4-5=-32/111, 5-6=-159/222, 6-7=-31/13
BOT CHORD 2-9=-134/209, 8-9=-134/209, 6-8=-134/209
WEBS 3-9=-251/218, 5-8=-251/212

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 12 lb uplift at joint 1, 16 lb uplift at joint 7, 229 lb uplift at joint 9 and 203 lb uplift at joint 8.

LOAD CASE(S) Standard

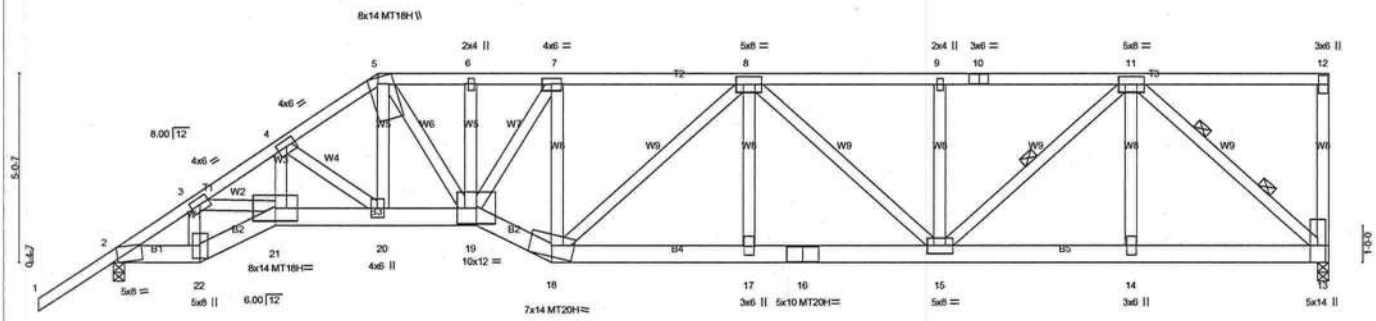
JUNE 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705832
L117440	T01	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:37:01 2005 Page 1

-2-0-0	2-3-8	4-3-8	7-0-0	9-7-8	11-7-8	16-10-7	21-11-9	27-0-12	32-3-10
2-0-0	2-3-8	2-0-0	2-8-8	2-7-8	2-0-0	5-2-15	5-1-3	5-1-3	5-2-15

Scale = 1:58.6



2-3-8	4-3-8	7-0-0	9-7-8	11-7-8	16-10-7	21-11-9	27-0-12	32-3-10
2-3-8	2-0-0	2-8-8	2-7-8	2-0-0	5-2-15	5-1-3	5-1-3	5-2-15

Plate Offsets (X,Y): [2:0-2-14,Edge], [5:0-2-2,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	0.90	Vert(LL)	0.39	17	>979	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-0.44	17-18	>871	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.80	Horz(TL)	0.18	13	n/a	n/a	MT18H	244/190
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 234 lb	

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

BRACING
TOP CHORD Sheathed or 2-3-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-1-2 oc bracing.
WEBS 1 Row at midpt 11-15
2 Rows at 1/3 pts 11-13

REACTIONS (lb/size) 13=2967/0-3-8, 2=2859/0-3-8
Max Horz 2=362(load case 4)
Max Uplift13=-2278(load case 2), 2=-1863(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/62, 2-3=-4531/3063, 3-4=-6661/4684, 4-5=-5556/4027, 5-6=-5429/3985, 6-7=-5428/3986, 7-8=-4907/3653, 8-9=-4510/3433, 9-10=-4510/3433, 10-11=-4510/3433, 11-12=-63/62, 12-13=-279/361
BOT CHORD 2-22=-2622/3671, 21-22=-2737/3852, 20-21=-3912/5429, 19-20=-3437/4675, 18-19=-3919/5275, 17-18=-3940/5215, 16-17=-3940/5214, 15-16=-3940/5214, 14-15=-2152/2813, 13-14=-2152/2813
WEBS 3-22=-1571/1156, 3-21=-1489/2039, 4-21=-717/1108, 4-20=-1005/688, 5-20=-1117/1620, 5-19=-1128/1340, 6-19=-85/195, 7-19=-800/1067, 7-18=-1426/1308, 8-18=-411/384, 8-17=0/293, 8-15=-955/707, 9-15=-579/768, 11-15=-1735/2300, 11-14=0/332, 11-13=-3727/2833

NOTES
1) Wind: ASCE 7-98; 120mph (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) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2278 lb uplift at joint 13 and 1863 lb uplift at joint 2.
5) Girder carries hip end with 0-0-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 506 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-54, 5-12=-118(F=-64), 2-22=-30, 21-22=-30, 20-21=-30, 19-20=-65(F=-35), 18-19=-65(F=-35), 13-18=-65(F=-35)
Concentrated Loads (lb)
Vert: 20=-539(F)

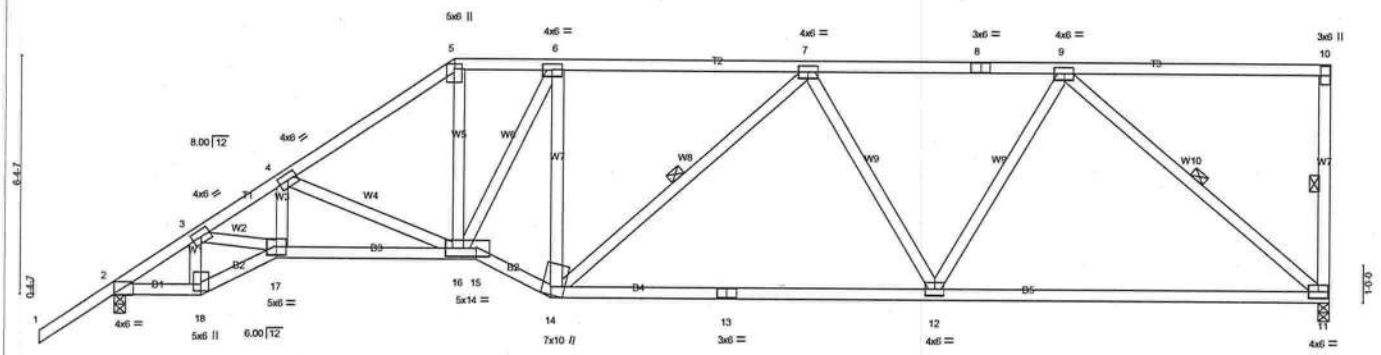
JUNE 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705833
L117440	T02	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:37:02 2005 Page 1

-2-0-0	2-3-8	4-3-8	9-0-0	11-7-8	18-5-1	25-2-9	32-3-10
2-0-0	2-3-8	2-0-0	4-8-8	2-7-8	6-9-9	6-9-9	7-1-1

Scale = 1:58.6



2-3-8	4-3-8	9-7-8	11-7-8	21-9-13	32-3-10
2-3-8	2-0-0	5-4-0	2-0-0	10-2-5	10-5-13

Plate Offsets (X,Y): [2:0-0-0,0-0-4], [5:0-1-13,0-2-8], [14:0-2-9,Edge], [16:0-2-4,0-2-8], [18:0-2-4,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	-0.23	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.33	12-14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.95	Horz(TL)	0.11	11	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 197 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D *Except* T2 2 X 4 SYP No.1D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 3-8-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-5-12 oc bracing.
WEBS 1 Row at midpt 10-11, 7-14, 9-11

REACTIONS (lb/size) 11=1341/0-3-8, 2=1464/0-3-8
Max Horz 2=432(load case 5)
Max Uplift11=-714(load case 3), 2=-571(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-2049/796, 3-4=-3008/1444, 4-5=-2123/1055, 5-6=-1738/959, 6-7=-1679/890, 7-8=-1572/774, 8-9=-1572/774, 9-10=-57/18, 10-11=-179/175
BOT CHORD 2-18=-874/1597, 17-18=-920/1714, 16-17=-1402/2451, 15-16=-881/1669, 14-15=-961/1785, 13-14=-935/1747, 12-13=-935/1747, 11-12=-660/1217
WEBS 3-18=-729/466, 3-17=-605/995, 4-17=-228/623, 4-16=-806/495, 6-16=-227/153, 6-14=-382/373, 7-14=-91/230, 7-12=-359/330, 9-12=-243/728, 9-11=-1542/854, 5-16=-428/949

NOTES
1) Wind: ASCE 7-98; 120mph (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) Provide adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 714 lb uplift at joint 11 and 571 lb uplift at joint 2.

LOAD CASE(S) Standard

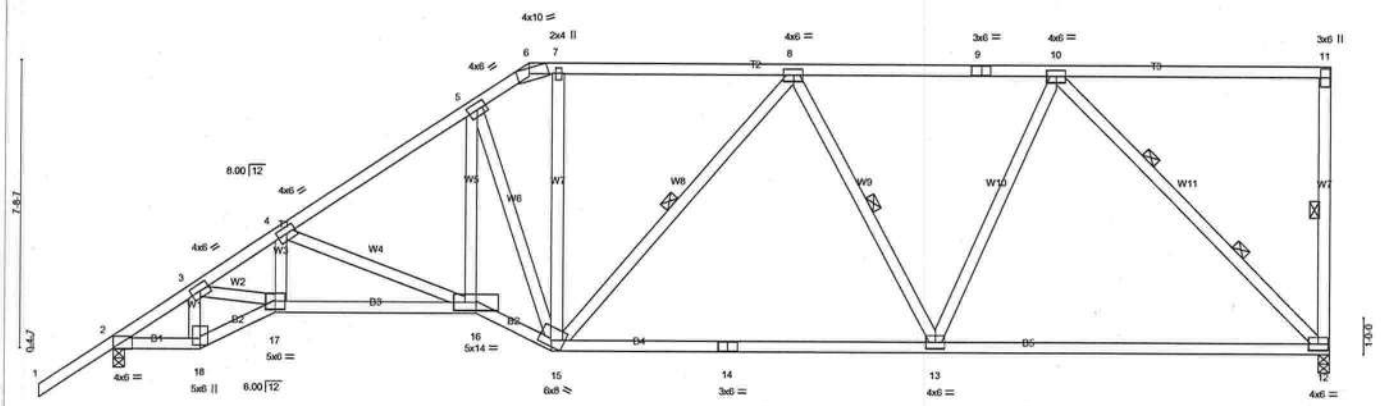
JUNE 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705834
L117440	T03	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:39:49 2005 Page 1

-2-0-0	2-3-8	4-3-8	9-7-8	11-0-0	18-0-1	25-0-1	32-3-10
2-0-0	2-3-8	2-0-0	5-4-0	1-4-8	7-0-1	7-0-1	7-3-9

Scale = 1:58.6



2-3-8	4-3-8	9-7-8	11-7-8	21-9-13	32-3-10
2-3-8	2-0-0	5-4-0	2-0-0	10-2-5	10-5-13

Plate Offsets (X,Y): [2:0-0-0,0-0-4], [6:0-4-0,Edge], [15:0-4-0,0-1-15], [18:0-2-4,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.73	Vert(LL)	-0.23	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.34	13-15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.71	Horz(TL)	0.11	12	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 210 lb	

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

BRACING
TOP CHORD Sheathed or 3-7-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-4-5 oc bracing.
WEBS 1 Row at midpt 11-12, 8-15, 8-13
2 Rows at 1/3 pts 10-12

REACTIONS (lb/size) 12=1341/0-3-8, 2=1464/0-3-8
Max Horz 2=505(load case 5)
Max Uplift12=-670(load case 3), 2=-589(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-2031/752, 3-4=-3066/1458, 4-5=-2045/985, 5-6=-1498/797, 6-7=-1360/750, 7-8=-1360/750, 8-9=-1290/652, 9-10=-1290/652, 10-11=-44/14, 11-12=-181/177
BOT CHORD 2-18=-904/1578, 17-18=-958/1708, 16-17=-1492/2505, 15-16=-1066/1805, 14-15=-796/1441, 13-14=-796/1441, 12-13=-562/1024
WEBS 3-18=-757/494, 3-17=-671/1075, 4-17=-257/667, 4-16=-941/588, 5-16=-647/1137, 5-15=-881/622, 8-15=-127/292, 8-13=-330/316, 10-13=-226/675, 10-12=-1411/793, 7-15=-153/409

NOTES
1) Wind: ASCE 7-98; 120mph (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) Provide adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 670 lb uplift at joint 12 and 589 lb uplift at joint 2.

LOAD CASE(S) Standard

JUNE 27, 2005 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

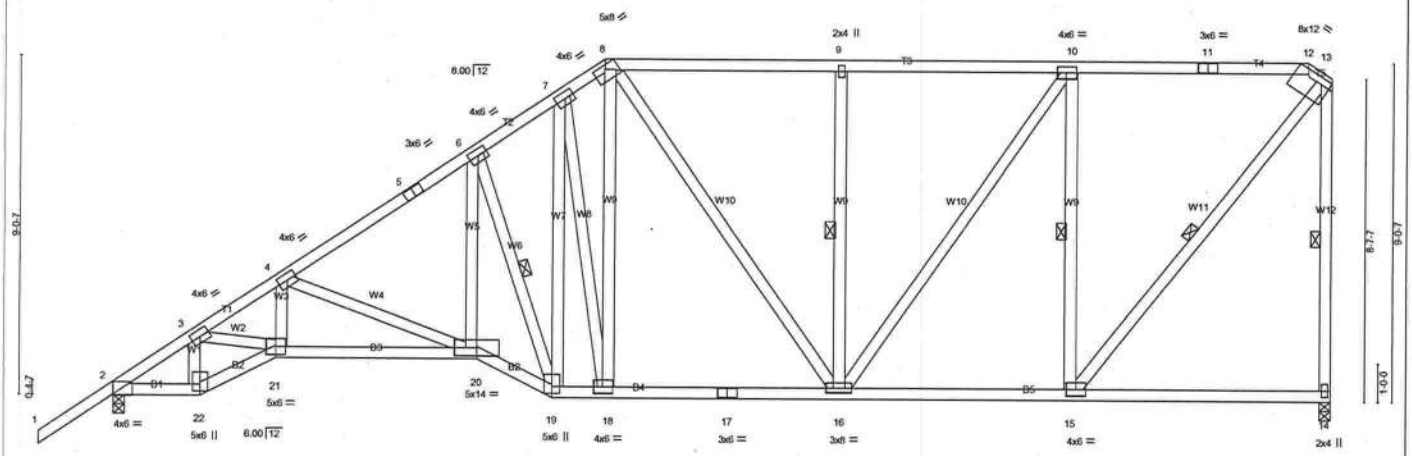
Job	Truss	Truss Type	Qty	Ply	Dwg.#062705835
L117440	T04	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:39:33 2005 Page 1

-2-0-0 | 2-3-8 | 4-3-8 | 9-7-8 | 11-7-8 | 13-0-0 | 19-3-5 | 25-4-13 | 31-8-2 | 32-3-10

2-0-0 | 2-3-8 | 2-0-0 | 5-4-0 | 2-0-0 | 1-4-8 | 6-3-5 | 6-1-9 | 6-3-5 | 0-7-8

Scale = 1:58.6



2-3-8 | 4-3-8 | 9-7-8 | 11-7-8 | 13-0-0 | 19-3-5 | 25-4-13 | 32-3-10

2-3-8 | 2-0-0 | 5-4-0 | 2-0-0 | 1-4-8 | 6-3-5 | 6-1-9 | 6-10-13

Plate Offsets (X,Y): [2:0-0-0,0-0-4], [8:0-4-0,0-1-9], [12:Edge,0-2-2], [19:0-2-4,0-2-8], [22:0-2-4,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.16	20-21	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.23	20-21	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.72	Horz(TL)	0.10	14	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 257 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3 *Except*
W12 2 X 4 SYP No.2D

BRACING
TOP CHORD Sheathed or 3-8-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-3-11 oc bracing.
WEBS 1 Row at midpt 6-19, 9-16, 10-15, 13-14, 13-15

REACTIONS (lb/size) 2=1464/0-3-8, 14=1341/0-3-8
Max Horz 2=567(load case 5)
Max Uplift2=-603(load case 5), 14=-740(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-2037/724, 3-4=-3044/1440, 4-5=-2058/949, 5-6=-1954/961, 6-7=-1575/839, 7-8=-1374/747, 8-9=-1207/678, 9-10=-1207/678, 10-11=-847/483, 11-12=-847/483, 12-13=-803/487, 13-14=-1248/756
BOT CHORD 2-22=-935/1586, 21-22=-991/1715, 20-21=-1520/2483, 19-20=-1111/1902, 18-19=-726/1249, 17-18=-689/1206, 16-17=-689/1206, 15-16=-485/847, 14-15=-7/9
WEBS 3-22=-759/513, 3-21=-671/1044, 4-21=-277/670, 4-20=-890/575, 6-20=-659/1280, 6-19=-1344/843, 7-19=-354/436, 7-18=-290/302, 8-18=-262/443, 8-16=-234/149, 9-16=-337/349, 10-16=-361/626, 10-15=-837/641, 13-15=-766/1340

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 603 lb uplift at joint 2 and 740 lb uplift at joint 14.

LOAD CASE(S) Standard

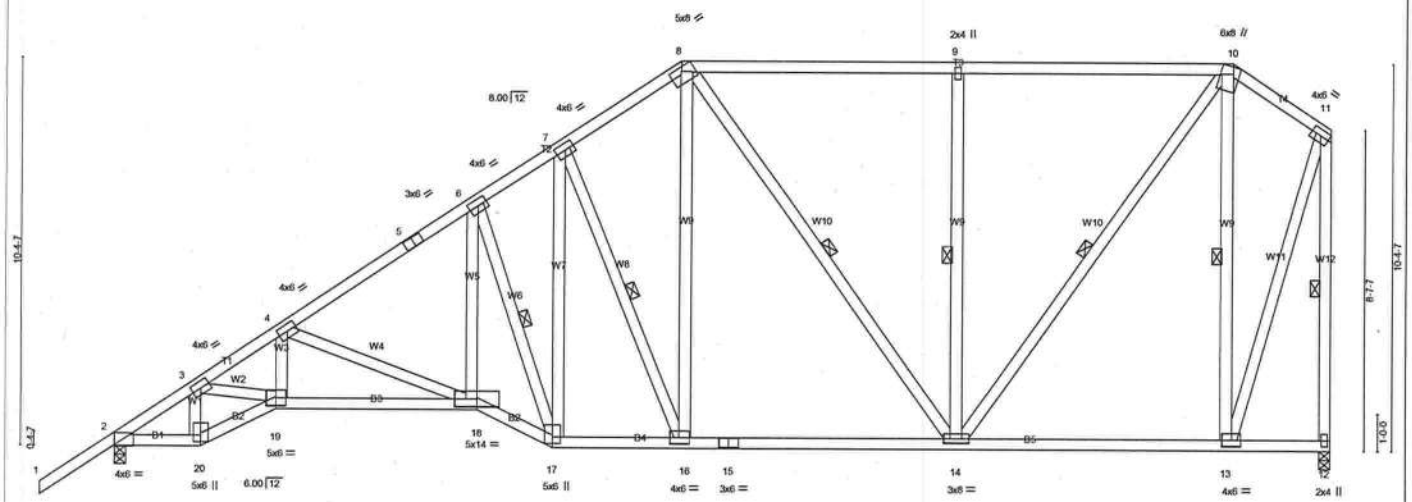
JUNE 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705836
L117440	T05	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:39:24 2005 Page 1

-2-0-0	2-3-8	4-3-8	9-7-8	11-7-8	15-0-0	22-4-1	29-8-2	32-3-10
2-0-0	2-3-8	2-0-0	5-4-0	2-0-0	3-4-8	7-4-1	7-4-1	2-7-8

Scale = 1:58.6



2-3-8	4-3-8	9-7-8	11-7-8	15-0-0	22-4-1	29-8-2	32-3-10
2-3-8	2-0-0	5-4-0	2-0-0	3-4-8	7-4-1	7-4-1	2-7-8

Plate Offsets (X,Y): [2:0-0-0,0-0-4], [8:0-4-0,0-1-9], [10:0-2-7,Edge], [17:0-2-4,0-2-8], [20:0-2-4,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.16	18-19	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.23	18-19	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.81	Horz(TL)	0.10	12	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 267 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3 *Except*
W12 2 X 4 SYP No.2D

BRACING
TOP CHORD Sheathed or 3-8-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-3-15 oc bracing.
WEBS 1 Row at midpt 6-17, 7-16, 8-14, 9-14, 10-14, 10-13, 11-12

REACTIONS (lb/size) 2=1464/0-3-8, 12=1341/0-3-8
Max Horz 2=599(load case 5)
Max Uplift2=-621(load case 5), 12=-600(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-2037/715, 3-4=-3045/1426, 4-5=-2057/938, 5-6=-1953/950, 6-7=-1573/825, 7-8=-1303/727, 8-9=-946/585, 9-10=-946/585, 10-11=-419/234, 11-12=-1327/687
BOT CHORD 2-20=-927/1586, 19-20=-983/1715, 18-19=-1509/2484, 17-18=-1099/1897, 16-17=-722/1253, 15-16=-595/1085, 14-15=-595/1085, 13-14=-168/331, 12-13=-3/4
WEBS 3-20=-759/509, 3-19=-668/1046, 4-19=-274/670, 4-18=-893/580, 6-18=-655/1274, 6-17=-1325/825, 7-17=-324/480, 7-16=-447/387, 8-16=-313/581, 8-14=-242/233, 9-14=-424/446, 10-14=-592/1049, 10-13=-923/605, 11-13=-594/1140

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 621 lb uplift at joint 2 and 600 lb uplift at joint 12.

LOAD CASE(S) Standard

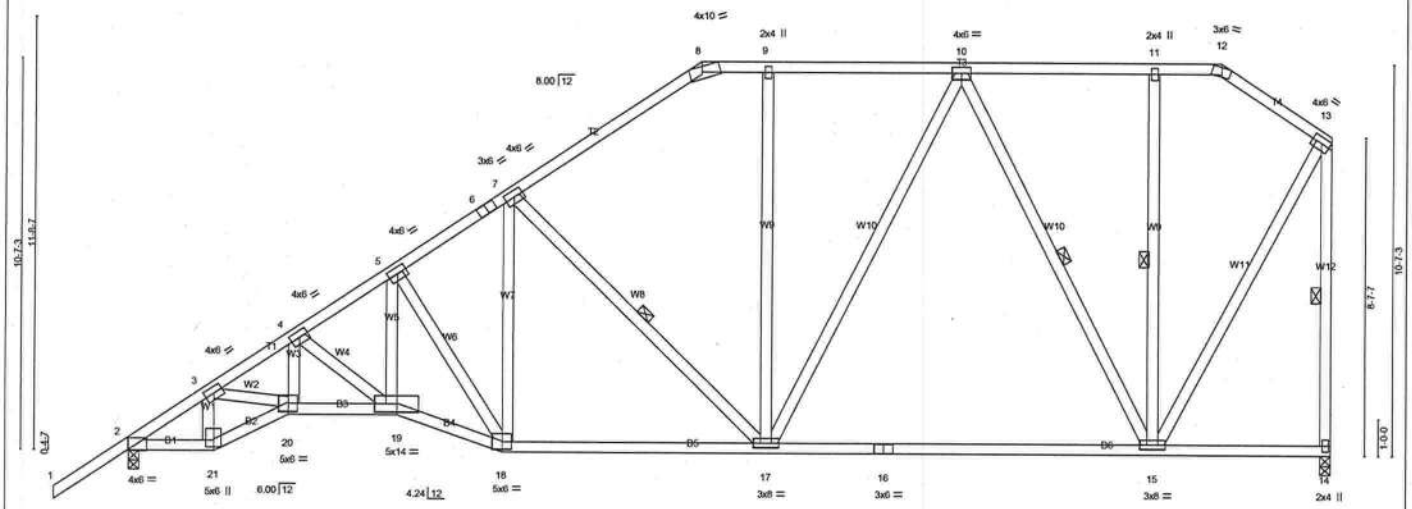
JUNE 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705837
L117440	T06	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:39:15 2005 Page 1

-2-0-0	2-3-8	4-3-8	7-2-5	10-0-4	15-4-1	17-0-0	22-4-1	27-8-2	29-4-1	32-3-10
2-0-0	2-3-8	2-0-0	2-10-13	2-9-15	5-3-13	1-7-15	5-4-1	5-4-1	1-7-15	2-11-9

Scale = 1:59.2



2-3-8	4-3-8	7-2-5	10-0-4	17-0-0	27-8-2	32-3-10
2-3-8	2-0-0	2-10-13	2-9-15	6-11-12	10-8-2	4-7-8

Plate Offsets (X,Y): [2:0-0-0,0-0-4], [8:0-4-0,Edge], [18:0-3-0,0-2-7], [21:0-2-4,0-2-8]

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)	-0.32	15-17	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.46	15-17	>829	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.09	14	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 245 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3 *Except*
W12 2 X 4 SYP No.2D

BRACING
TOP CHORD Sheathed or 3-8-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-5-0 oc bracing.
WEBS 1 Row at midpt 7-17, 10-15, 11-15, 13-14

REACTIONS (lb/size) 2=1464/0-3-8, 14=1341/0-3-8
Max Horz 2=605(load case 5)
Max Uplift2=-623(load case 5), 14=-577(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-2055/721, 3-4=-2993/1404, 4-5=-2313/1089, 5-6=-1693/788, 6-7=-1617/796, 7-8=-1247/659, 12-13=-634/353, 13-14=-1322/694, 8-9=-1031/644, 9-10=-1031/644, 10-11=-530/357, 11-12=-530/357
BOT CHORD 2-21=-940/1606, 20-21=-998/1725, 19-20=-1467/2422, 18-19=-1234/2074, 17-18=-792/1341, 16-17=-498/891, 15-16=-498/891, 14-15=-10/6
WEBS 3-21=-739/525, 3-20=-615/957, 4-20=-304/638, 4-19=-631/413, 5-19=-626/1115, 5-18=-1138/692, 7-18=-160/433, 7-17=-436/402, 9-17=-58/311, 10-17=-199/315, 10-15=-814/521, 11-15=-15/148, 13-15=-559/1113

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 623 lb uplift at joint 2 and 577 lb uplift at joint 14.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705838
L117440	T07	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:39:06 2005 Page 1

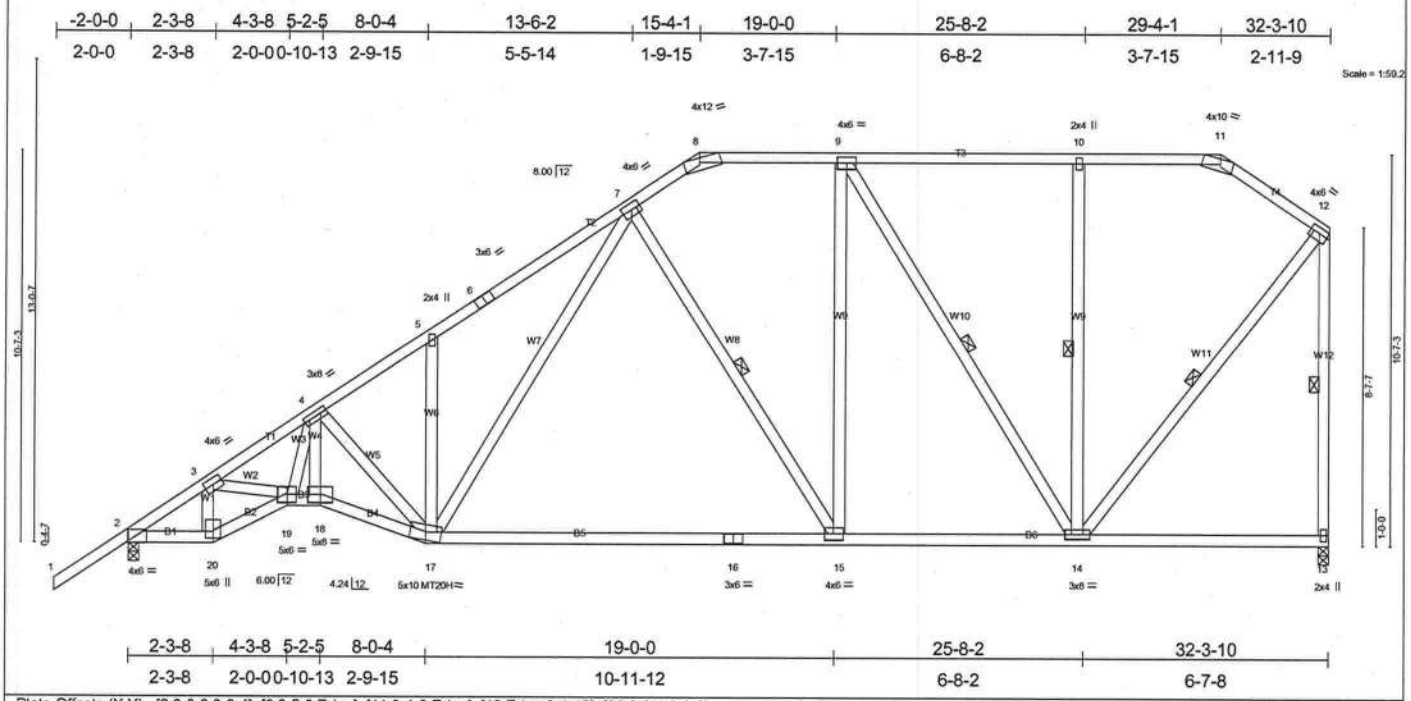


Plate Offsets (X,Y): [2:0-0-0,0-0-4], [8:0-5-0,Edge], [11:0-4-0,Edge], [12:Edge,0-1-12], [20:0-2-4,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.88	Vert(LL)	-0.43	15-17	>902	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.85	Vert(TL)	-0.62	15-17	>621	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.07	13	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 237 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3 *Except*
W12 2 X 4 SYP No.2D

BRACING
TOP CHORD Sheathed or 3-8-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-4-5 oc bracing.
WEBS 1 Row at midpt 7-15, 9-14, 10-14, 12-13, 12-14

REACTIONS (lb/size) 2=1464/0-3-8, 13=1341/0-3-8
Max Horz 2=605(load case 5)
Max Uplift2=-623(load case 5), 13=-577(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-2065/729, 3-4=-2960/1387, 4-5=-1851/794, 5-6=-1972/1008, 6-7=-1851/1028, 7-8=-1040/615, 11-12=-772/447, 12-13=-1249/711, 8-9=-1024/631, 9-10=-692/457, 10-11=-692/457
BOT CHORD 2-20=-953/1619, 19-20=-1012/1733, 18-19=-1358/2214, 17-18=-1470/2345, 16-17=-643/1104, 15-16=-643/1104, 14-15=-541/1024, 13-14=-19/17
WEBS 3-20=-732/536, 3-19=-570/905, 4-19=-331/725, 4-18=-474/595, 4-17=-1052/743, 5-17=-372/385, 7-17=-501/858, 7-15=-236/304, 9-15=-200/409, 9-14=-642/330, 10-14=-201/298, 12-14=-624/1138

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
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 623 lb uplift at joint 2 and 577 lb uplift at joint 13.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705839
L117440	T08	SPECIAL	1	1	

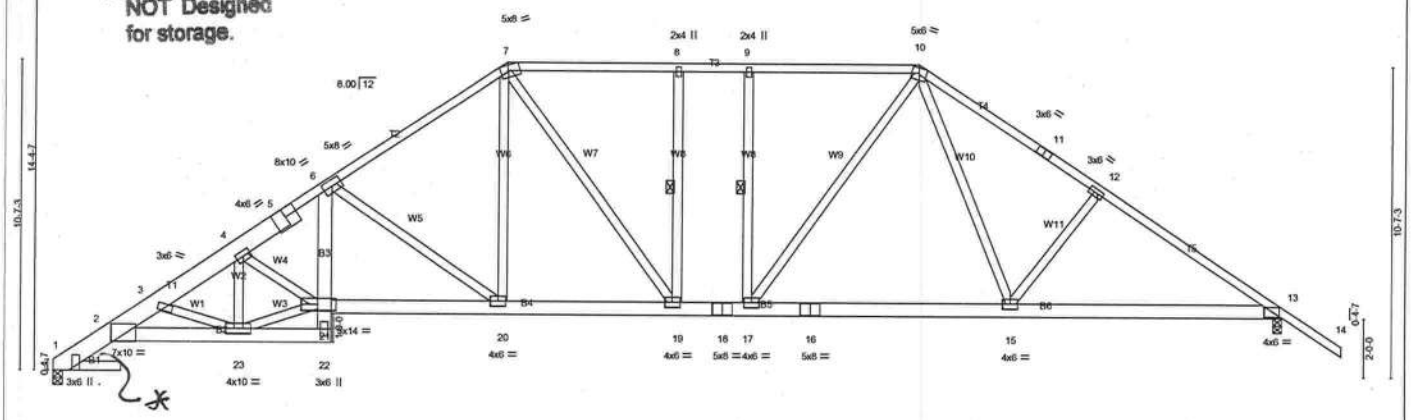
Builders FirstSource, Lake City, Fl 32055 — Job Reference (optional)

6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:37:06 2005 Page 1

2-0-0	2-3-8	9-5-3	15-2-10	15-4-1	21-0-0	23-8-2	29-4-1	29-6-8	35-4-14	41-8-2	43-8-2
2-0-0	2-3-8	7-1-11	5-9-6	0-1-8	5-7-15	2-8-2	5-7-15	0-2-7	5-10-6	6-3-4	2-0-0

Scale = 1:74.8

NOT Designed for storage.



2-3-8	9-5-3	15-2-10	21-0-0	23-8-2	32-5-11	41-8-2
2-3-8	7-1-11	5-9-6	5-9-6	2-8-2	8-9-9	9-2-7

Plate Offsets (X,Y): [7:0-3-0,Edge], [21:0-7-8,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.82	Vert(LL)	-0.27	20-21	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.38	20-21	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.22	13	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 305 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2D *Except*
T1 2 X 8 SYP 2400F 2.0E
BOT CHORD 2 X 6 SYP No.1D *Except*
B1 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Sheathed or 3-4-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-10-5 oc bracing.
WEBS 1 Row at midpt 8-19, 9-17

REACTIONS (lb/size) 1=1701/0-3-8, 13=1856/0-3-8
Max Horz 1=388(load case 4)
Max Uplift1=-607(load case 5), 13=-713(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-864/439, 2-3=-4369/2036, 3-4=-3631/1697, 4-5=-3570/1663, 5-6=-3523/1679, 6-7=-2592/1310, 10-11=-2426/1262, 11-12=-2515/1236, 12-13=-2710/1248, 13-14=0/62, 7-8=-2177/1225, 8-9=-2177/1225, 9-10=-2177/1225

BOT CHORD 2-23=-1902/4214, 22-23=-333/658, 21-22=-23/104, 6-21=-396/1023, 20-21=-1325/2979, 19-20=-917/2070, 18-19=-894/2177, 17-18=-894/2177, 16-17=-601/1823, 15-16=-601/1823, 13-15=-806/2172

WEBS 6-20=-1084/665, 7-20=-389/882, 7-19=-442/379, 8-19=-233/286, 9-17=-267/303, 10-17=-507/731, 10-15=-246/555, 12-15=-265/365, 4-23=-123/108, 4-21=-154/189, 21-23=-1062/2471, 3-23=-1307/667

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Bearing at joint(s) 1 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 607 lb uplift at joint 1 and 713 lb uplift at joint 13.

LOAD CASE(S) Standard

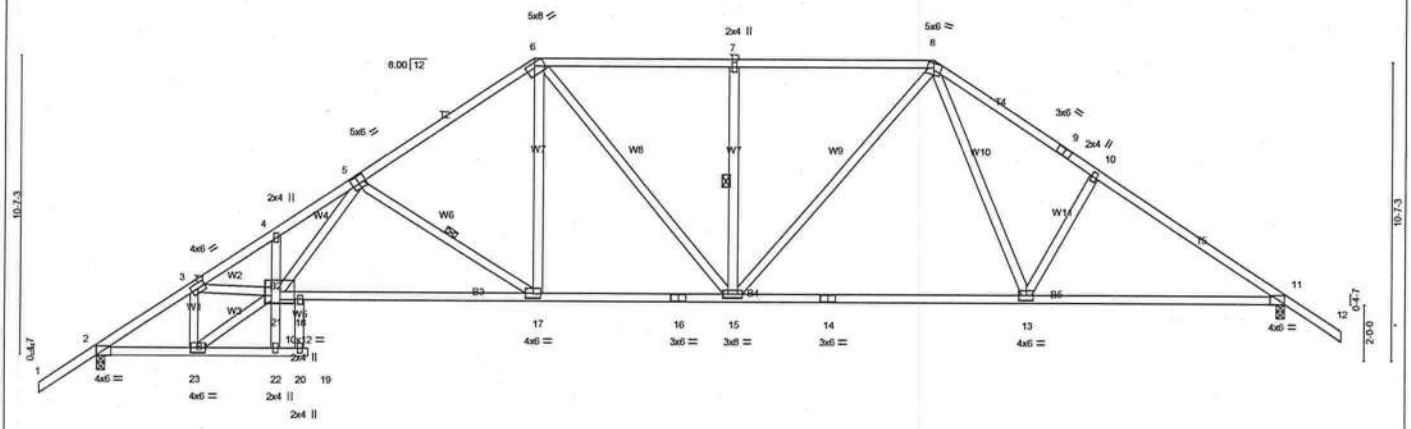
JUNE 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705840
L117440	T09	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:37:07 2005 Page 1

-2-0-0	3-5-0	6-5-3	15-4-1	22-4-1	28-7-13	29-4-1	34-11-8	41-8-2	43-8-2
2-0-0	3-5-0	3-0-3	8-10-14	7-0-0	6-3-12	0-8-4	5-7-7	6-8-10	2-0-0

Scale = 1:77.4



3-5-0	6-5-3	15-4-1	22-4-1	32-7-6	41-8-2
3-5-0	3-0-3	8-10-14	7-0-0	10-3-5	9-0-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	-0.40	17-18	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0.57	17-18	>867	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.99	Horz(TL)	0.23	11	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 254 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 2-9-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-7-13 oc bracing.
WEBS 1 Row at midpt 5-17, 7-15

REACTIONS (lb/size) 2=1861/0-3-8, 11=1856/0-3-8
Max Horz 2=424(load case 4)
Max Uplift2=-760(load case 5), 11=-712(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-2758/1177, 3-4=-4871/2052, 4-5=-4872/2116, 5-6=-2539/1261, 8-9=-2356/1274, 9-10=-2509/1250, 10-11=-2683/1215, 11-12=0/59, 6-7=-2192/1221, 7-8=-2192/1221
BOT CHORD 2-23=-992/2199, 22-23=-61/31, 20-22=0/0, 19-20=0/0, 21-22=0/183, 4-21=-79/100, 18-21=-1319/2947, 17-18=-1319/2947, 16-17=-897/2053, 15-16=-897/2053, 14-15=-599/1800, 13-14=-599/1800, 11-13=-765/2134
WEBS 3-23=-1497/688, 21-23=-1136/2644, 3-21=-739/1814, 5-17=-1082/657, 6-15=-418/378, 7-15=-396/434, 8-15=-473/711, 8-13=-278/588, 10-13=-256/363, 18-20=-71/0, 6-17=-319/827, 5-21=-725/1961

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 760 lb uplift at joint 2 and 712 lb uplift at joint 11.

LOAD CASE(S) Standard

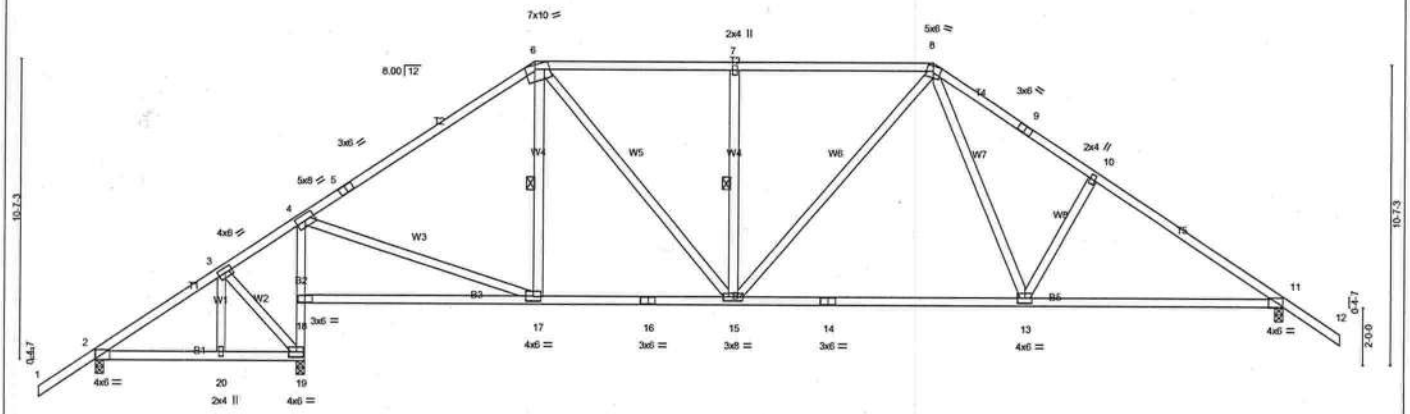
JUNE 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705841
L117440	T10	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:37:07 2005 Page 1

-2-0-0	7-4-3	15-4-1	22-4-1	28-7-13	29-4-1	34-11-8	41-8-2	43-8-2
2-0-0	7-4-3	7-11-14	7-0-0	6-3-12	0-8-4	5-7-7	6-8-10	2-0-0

Scale = 1:77.4



7-2-7	7-4-3	15-4-1	22-4-1	32-7-6	41-8-2
7-2-7	0-1-12	7-11-14	7-0-0	10-3-5	9-0-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	-0.25	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.36	13-15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.85	Horz(TL)	0.05	11	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 244 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 4-2-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-4-1 oc bracing.
WEBS 1 Row at midpt 7-15, 6-17

REACTIONS (lb/size) 2=378/0-3-8, 11=1551/0-3-8, 19=1780/0-3-8
Max Horz 2=424(load case 4)
Max Uplift2=-292(load case 6), 11=-679(load case 6), 19=-760(load case 4)
Max Grav 2=381(load case 7), 11=1551(load case 1), 19=1780(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-299/392, 3-4=-275/429, 4-5=-1438/769, 5-6=-1315/803, 8-9=-1820/1066, 9-10=-1974/1042, 10-11=-2146/1007, 11-12=0/59, 6-7=-1487/946, 7-8=-1487/946
BOT CHORD 2-20=-95/110, 19-20=-95/110, 18-19=-1589/696, 4-18=-1455/720, 17-18=-110/69, 16-17=-493/1091, 15-16=-493/1091, 14-15=-410/1353, 13-14=-410/1353, 11-13=-594/1693
WEBS 4-17=-439/1113, 6-15=-423/693, 7-15=-397/441, 8-15=-302/331, 8-13=-279/593, 10-13=-263/363, 3-20=0/135, 3-19=-232/89, 6-17=-156/188

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 292 lb uplift at joint 2, 679 lb uplift at joint 11 and 760 lb uplift at joint 19.

LOAD CASE(S) Standard

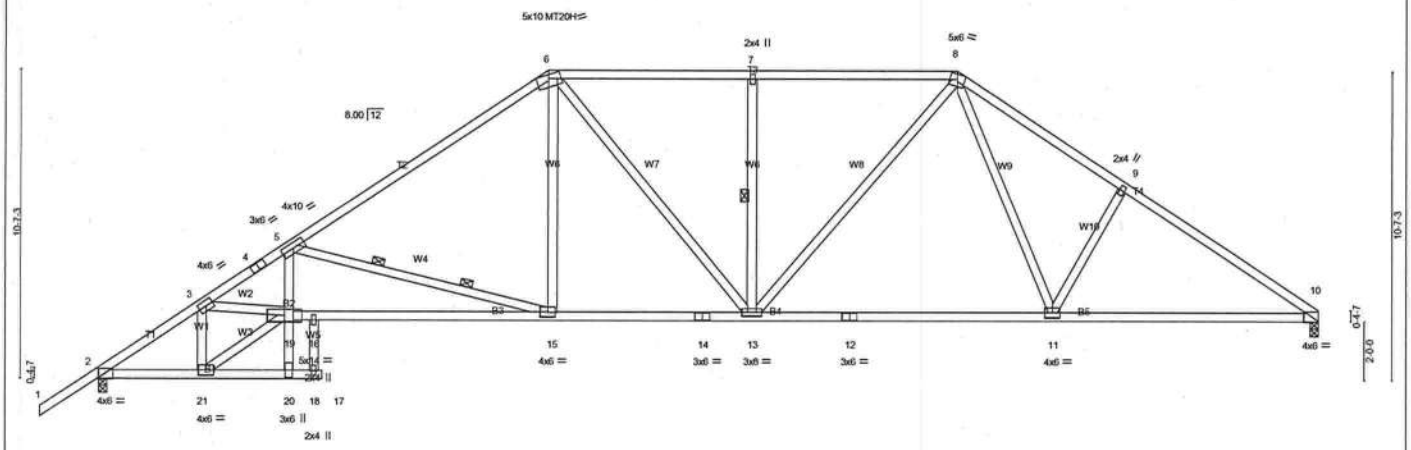
JUNE 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705842
L117440	T11	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:37:08 2005 Page 1

-2-0-0	3-6-4	6-7-10	15-4-1	22-4-1	28-7-13	29-4-1	34-11-8	41-8-2
2-0-0	3-6-4	3-1-6	8-8-7	7-0-0	6-3-12	0-8-4	5-7-7	6-8-10

Scale = 1:75.3



3-6-4	6-7-10	15-4-1	22-4-1	32-7-6	41-8-2
3-6-4	3-1-6	8-8-7	7-0-0	10-3-5	9-0-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	-0.38	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-0.54	15-16	>917	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.98	Horz(TL)	0.26	10	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 247 lb	

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

BRACING
TOP CHORD Sheathed or 2-10-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-9-13 oc bracing.
WEBS 1 Row at midpt 7-13
2 Rows at 1/3 pts 5-15

REACTIONS (lb/size) 10=1737/0-3-8, 2=1864/0-3-8
Max Horz 2=451(load case 4)
Max Uplift10=-564(load case 6), 2=-760(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-2765/1174, 3-4=-4783/2117, 4-5=-4712/2122, 5-6=-2604/1271, 8-9=-2534/1329, 9-10=-2687/1268, 6-7=-2197/1242, 7-8=-2197/1242
BOT CHORD 2-21=-1011/2198, 20-21=-178/234, 18-20=0/0, 17-18=0/0, 19-20=-180/245, 5-19=-499/1463, 16-19=-1867/4121, 15-16=-1857/4112, 14-15=-940/2070, 13-14=-940/2070, 12-13=-658/1812, 11-12=-658/1812, 10-11=-921/2160
WEBS 3-21=-1346/630, 19-21=-1050/2420, 3-19=-757/1776, 5-15=-2126/1150, 7-13=-391/446, 8-13=-468/703, 8-11=-319/610, 9-11=-269/386, 16-18=-233/269, 6-15=-254/768, 6-13=-429/379

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
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 564 lb uplift at joint 10 and 760 lb uplift at joint 2.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705843
L117440	T12	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:37:09 2005 Page 1

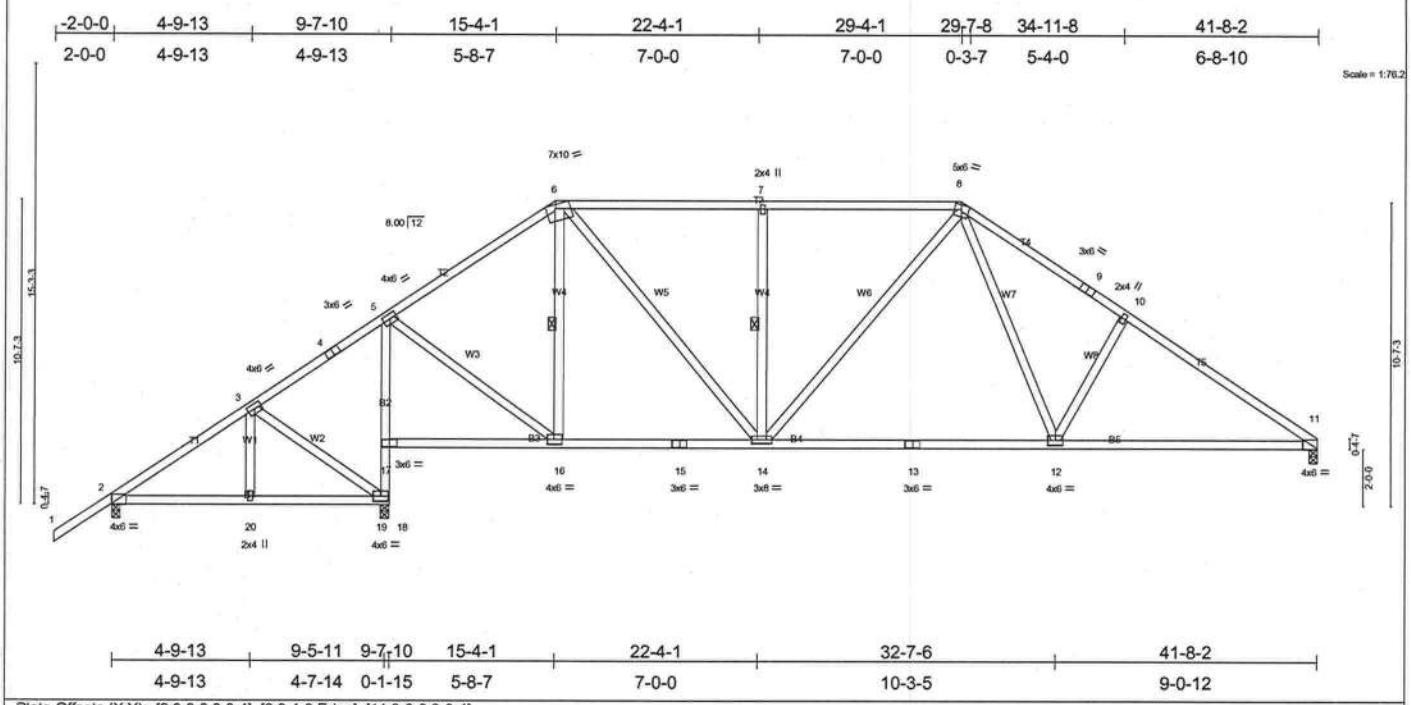


Plate Offsets (X,Y): [2:0-0-0,0-0-4], [6:0-4-0,Edge], [11:0-0-0,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.21	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.76	Vert(TL)	-0.31	12-14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.87	Horz(TL)	0.03	11	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 243 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 4-4-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-6-3 oc bracing.
WEBS 1 Row at midpt 6-16, 7-14

REACTIONS (lb/size) 2=493/0-3-8, 18=1763/0-3-8, 11=1337/0-3-8
Max Horz 2=451(load case 4)
Max Uplift2=-258(load case 5), 18=-787(load case 4), 11=-507(load case 6)
Max Grav 2=496(load case 7), 18=1763(load case 1), 11=1337(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-407/331, 3-4=-280/350, 4-5=-260/369, 5-6=-1034/659, 8-9=-1679/1031, 9-10=-1833/1007, 10-11=-1984/969, 6-7=-1284/854, 7-8=-1284/854
BOT CHORD 2-20=-198/275, 19-20=-198/275, 18-19=-29/33, 17-18=-1497/702, 5-17=-1406/718, 16-17=-28/52, 15-16=-369/784, 14-15=-369/784, 13-14=-405/1223, 12-13=-405/1223, 11-12=-675/1582
WEBS 5-16=-438/993, 6-16=-408/295, 6-14=-429/804, 7-14=-402/432, 8-14=-248/231, 8-12=-324/617, 10-12=-281/390, 3-20=0/164, 3-19=-358/231

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 258 lb uplift at joint 2, 787 lb uplift at joint 18 and 507 lb uplift at joint 11.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705844
L117440	T13	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:37:09 2005 Page 1

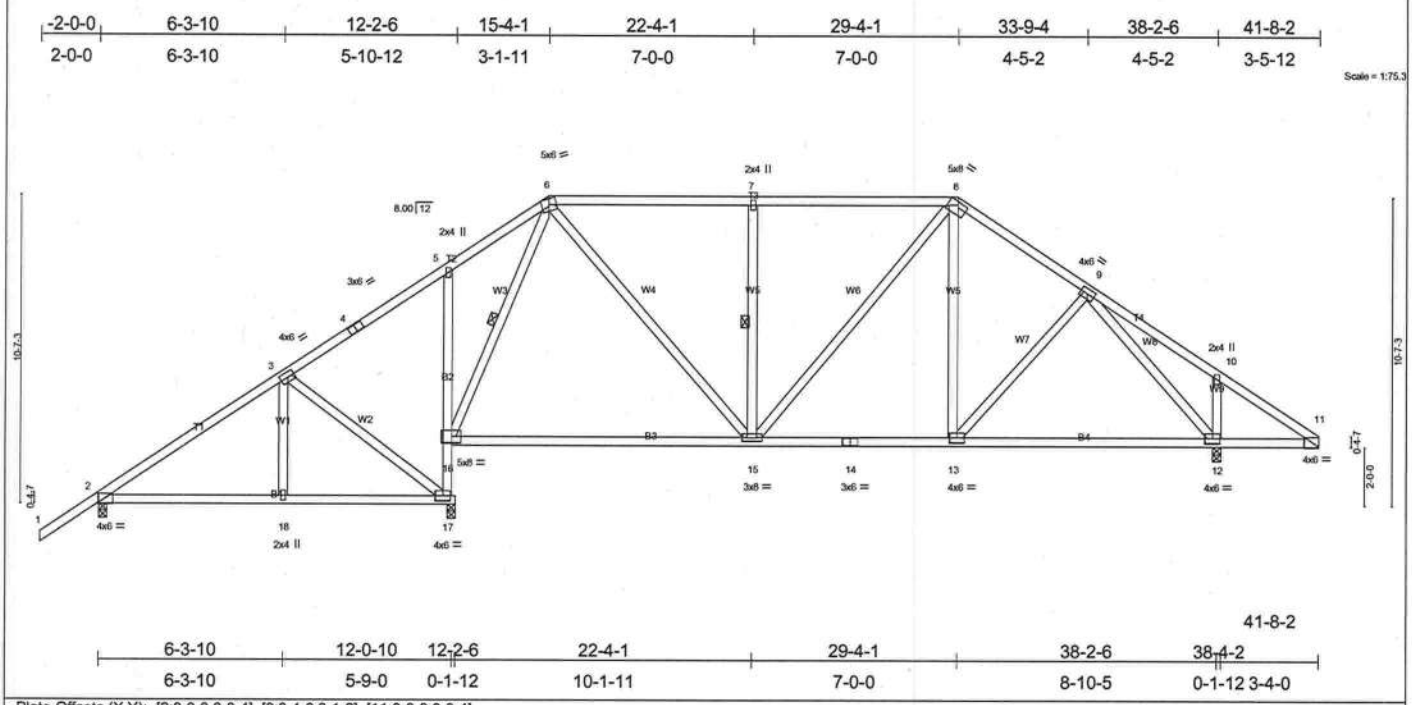


Plate Offsets (X,Y): [2:0-0-0,0-0-4], [8:0-4-0,0-1-9], [11:0-0-0,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.20	15-16	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.30	15-16	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.97	Horz(TL)	0.02	12	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 255 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 11-12.
WEBS 1 Row at midpt 6-16, 7-15

REACTIONS (lb/size) 2=548/0-3-8, 17=1674/0-3-8, 12=1383/0-3-8
Max Horz 2=451(load case 4)
Max Uplift2=-331(load case 5), 17=-773(load case 4), 12=-573(load case 6)
Max Grav 2=549(load case 7), 17=1674(load case 1), 12=1383(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-444/399, 3-4=-218/371, 4-5=-204/395, 5-6=-114/467, 6-7=-805/680, 7-8=-805/680, 8-9=-949/648, 9-10=-2/170, 10-11=-104/172
BOT CHORD 2-18=-269/294, 17-18=-269/294, 16-17=-1315/653, 5-16=-219/308, 15-16=-226/303, 14-15=-285/746, 13-14=-285/746, 12-13=-238/643, 11-12=-91/134
WEBS 3-18=0/212, 3-17=-486/341, 6-16=-1010/575, 6-15=-347/784, 7-15=-409/433, 8-15=-203/164, 8-13=-71/170, 9-13=-165/214, 9-12=-1148/553, 10-12=-241/304

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 331 lb uplift at joint 2, 773 lb uplift at joint 17 and 573 lb uplift at joint 12.

LOAD CASE(S) Standard

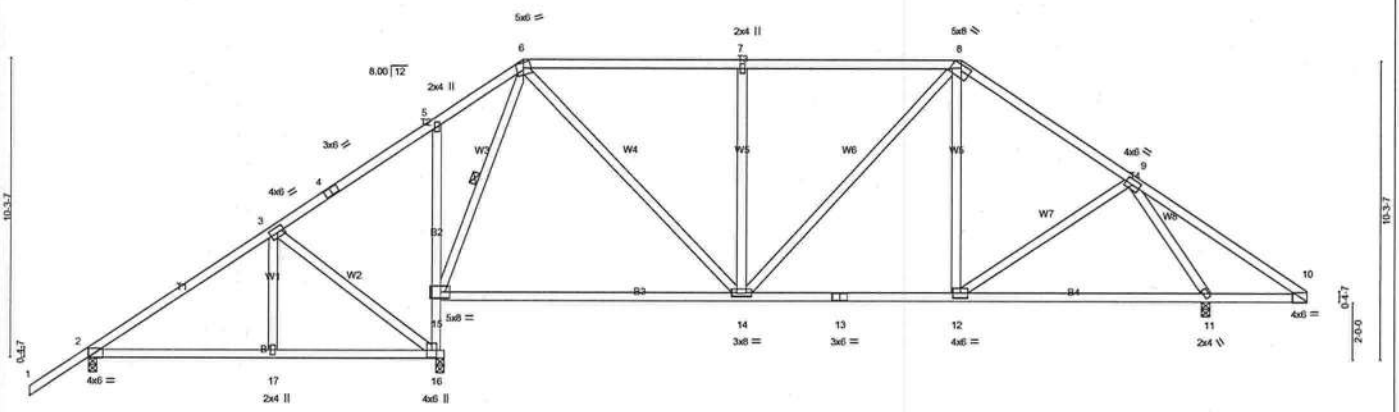
JUNE 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705845
L117440	T15	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:37:10 2005 Page 1

-2-0-0	6-3-10	12-2-6	14-10-8	22-4-1	29-9-10	35-6-7	41-8-2
2-0-0	6-3-10	5-10-12	2-8-2	7-5-9	7-5-9	5-8-13	6-1-11

Scale = 1:75.3



6-3-10	12-0-10	12-2-6	22-4-1	29-9-10	38-4-2	41-8-2
6-3-10	5-9-0	0-1-12	10-1-11	7-5-9	8-6-8	3-4-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.20	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0.29	14-15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.81	Horz(TL)	0.02	11	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 247 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-15

REACTIONS (lb/size) 2=548/0-3-8, 16=1679/0-3-8, 11=1378/0-3-8
Max Horz 2=509(load case 4)
Max Uplift2=-502(load case 5), 16=-1000(load case 4), 11=-670(load case 6)
Max Grav 2=549(load case 7), 16=1679(load case 1), 11=1378(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/60, 2-3=-445/550, 3-4=-214/347, 4-5=-199/371, 5-6=-128/436, 6-7=-848/665, 7-8=-848/666, 8-9=-1008/599, 9-10=-283/295
BOT CHORD 2-17=-580/294, 16-17=-580/294, 15-16=-1319/666, 5-15=-192/283, 14-15=-208/274, 13-14=-280/769, 12-13=-280/769, 11-12=-222/542, 10-11=-168/321
WEBS 3-17=-277/212, 3-16=-487/603, 6-15=-1032/613, 6-14=-383/842, 7-14=-438/466, 8-14=-229/190, 8-12=-5/174, 9-12=-225/307, 9-11=-1305/895

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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; cantilever right exposed ; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 502 lb uplift at joint 2, 1000 lb uplift at joint 16 and 670 lb uplift at joint 11.

LOAD CASE(S) Standard

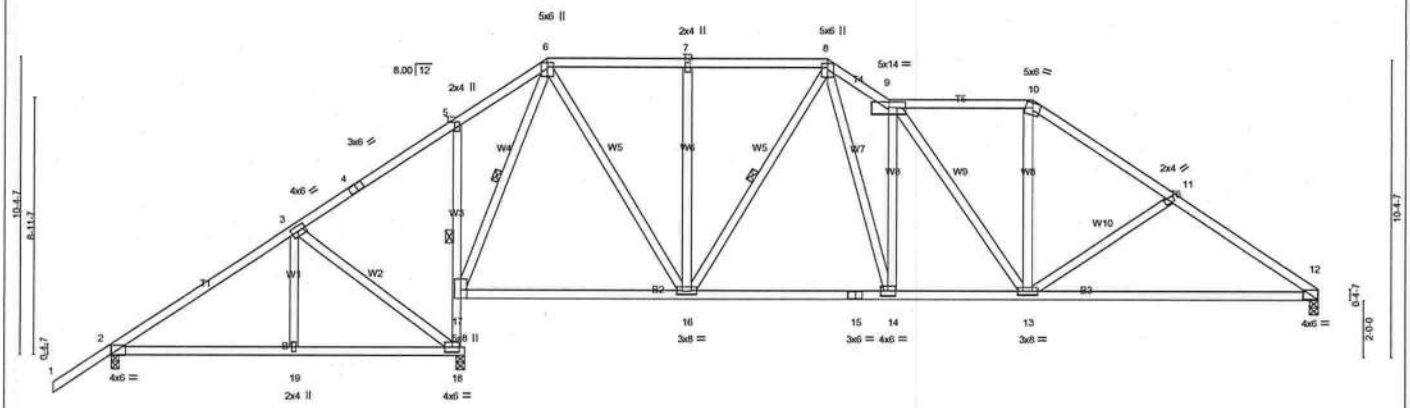
JUNE 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705846
L117440	T16	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:37:11 2005 Page 1

-2-0-0	6-3-10	12-2-6	15-0-0	19-10-3	24-8-6	26-9-14	31-9-10	36-6-7	41-8-2
2-0-0	6-3-10	5-10-12	2-9-10	4-10-3	4-10-3	2-1-8	4-11-12	4-8-13	5-1-11

Scale = 1:76.1



6-3-10	12-0-10	12-2-6	19-10-3	26-9-14	31-9-10	41-8-2
6-3-10	5-9-0	0-1-12	7-7-13	6-11-11	4-11-12	9-10-8

Plate Offsets (X,Y): [2:0-0-0,0-0-4], [6:0-1-13,0-2-8], [8:0-1-13,0-2-8], [12:0-0-3,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	0.32	Vert(LL)	-0.25	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.37	12-13	>956	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.76	Horz(TL)	0.02	12	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 266 lb	

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

BRACING
TOP CHORD Sheathed or 4-5-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-8-13 oc bracing.
WEBS 1 Row at midpt 6-17, 8-16, 5-18

REACTIONS (lb/size) 12=1237/0-3-8, 2=601/0-3-8, 18=1755/0-3-8
Max Horz 2=442(load case 4)
Max Uplift12=-559(load case 6), 2=-332(load case 5), 18=-784(load case 4)
Max Grav 12=1237(load case 1), 2=604(load case 7), 18=1755(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-542/392, 3-4=-225/361, 4-5=-211/385, 5-6=-96/484, 6-7=-914/710, 7-8=-914/710, 8-9=-1692/1117, 9-10=-1268/804, 10-11=-1587/872, 11-12=-1815/953
BOT CHORD 2-19=-265/374, 18-19=-265/374, 16-17=-190/392, 15-16=-389/1108, 14-15=-389/1108, 13-14=-543/1378, 12-13=-689/1466
WEBS 3-19=0/215, 3-18=-483/341, 6-17=-1149/531, 6-16=-402/1018, 7-16=-273/299, 8-16=-381/207, 8-14=-624/1070, 9-14=-916/631, 9-13=-212/216, 10-13=-233/560, 11-13=-254/308, 17-18=-1401/663, 5-17=-234/325

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 559 lb uplift at joint 12, 332 lb uplift at joint 2 and 784 lb uplift at joint 18.

LOAD CASE(S) Standard

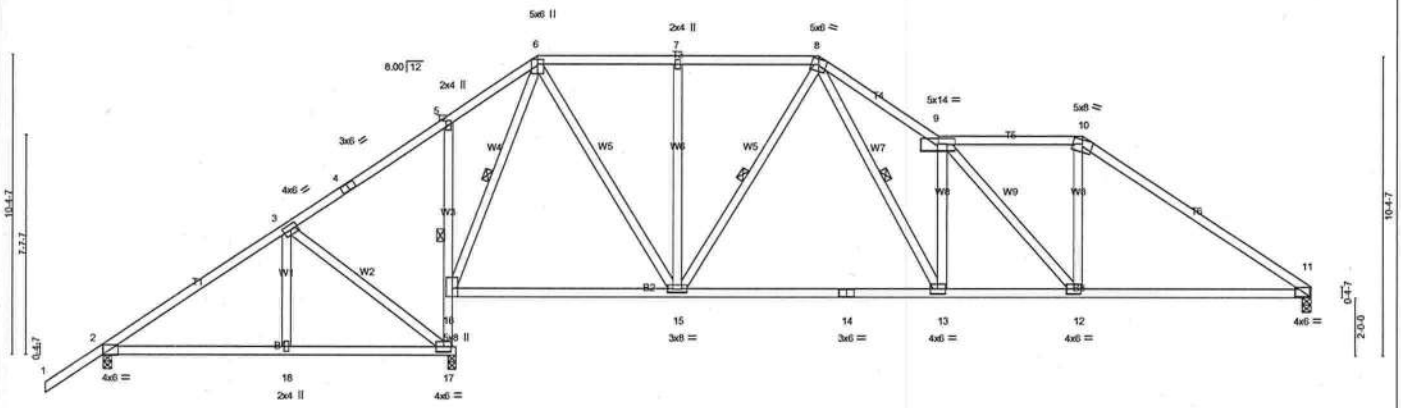
JUNE 27, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705847
L117440	T17	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:37:12 2005 Page 1

-2-0-0	6-3-10	12-2-6	15-0-0	19-10-3	24-8-6	28-9-14	33-9-10	41-8-2
2-0-0	6-3-10	5-10-12	2-9-10	4-10-3	4-10-3	4-1-8	4-11-12	7-10-8

Scale = 1:76.1



6-3-10	12-0-10	12-2-6	19-10-3	28-9-14	33-9-10	41-8-2
6-3-10	5-9-0	0-1-12	7-7-13	8-11-11	4-11-12	7-10-8

Plate Offsets (X,Y): [2:0-0-0,0-0-4], [6:0-1-13,0-2-8], [11:0-0-7,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	-0.20	13-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.29	13-15	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.62	Horz(TL)	0.02	11	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 253 lb	

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

BRACING
TOP CHORD Sheathed or 4-4-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-7-14 oc bracing.
WEBS 1 Row at midpt 6-16, 8-15, 8-13, 5-17

REACTIONS (lb/size) 11=1236/0-3-8, 2=599/0-3-8, 17=1758/0-3-8
Max Horz 2=442(load case 4)
Max Uplift11=-559(load case 6), 2=-331(load case 5), 17=-762(load case 4)
Max Grav 11=1236(load case 1), 2=603(load case 7), 17=1758(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-539/391, 3-4=-227/360, 4-5=-212/383, 5-6=-97/482, 6-7=-915/706, 7-8=-915/706, 8-9=-2111/1300, 9-10=-1421/872, 10-11=-1809/898
BOT CHORD 2-18=-264/371, 17-18=-264/371, 15-16=-179/391, 14-15=-391/1101, 13-14=-391/1101, 12-13=-719/1701, 11-12=-592/1407
WEBS 3-18=0/215, 3-17=-482/341, 6-16=-1159/505, 6-15=-398/1023, 7-15=-276/312, 8-15=-365/225, 8-13=-742/1341, 9-13=-1004/715, 9-12=-416/228, 10-12=-147/538, 16-17=-1405/641, 5-16=-234/325

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 559 lb uplift at joint 11, 331 lb uplift at joint 2 and 762 lb uplift at joint 17.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705848
L117440	T18	SPECIAL	1	1	Job Reference (optional)

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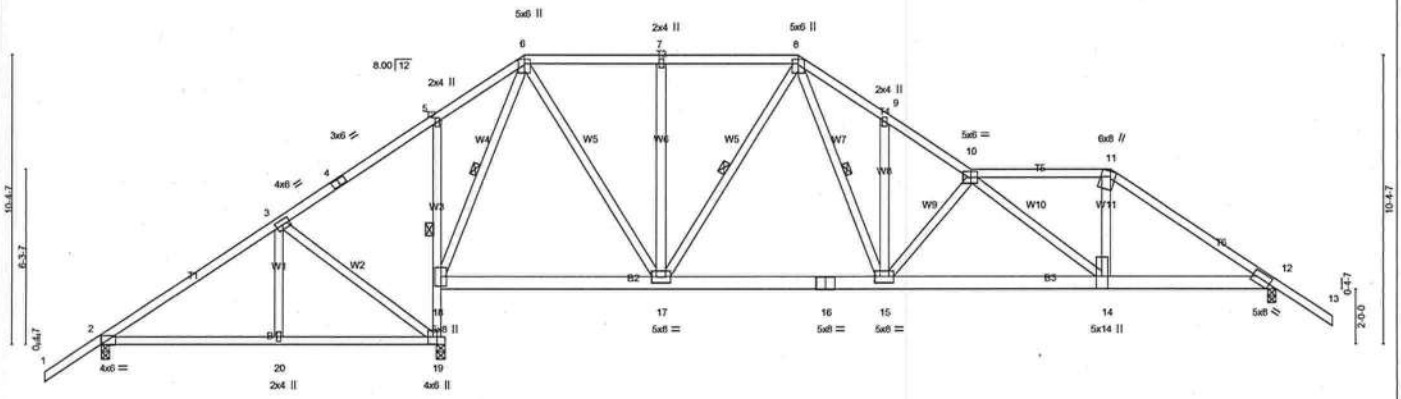
-2-0-0	6-3-10	12-2-6	15-0-0	19-10-3	24-8-6	27-9-2	30-9-14	35-9-10	41-8-2	43-8-2
2-0-0	6-3-10	5-10-12	2-9-10	4-10-3	4-10-3	3-0-12	3-0-12	4-11-12	5-10-8	2-0-0

Scale = 1:78.2



6-3-10	12-0-10	12-2-6	19-10-3	27-9-2	35-9-10	41-8-2
6-3-10	5-9-0	0-1-12	7-7-13	7-10-15	8-0-8	5-10-8

Plate Offsets (X,Y): [2:0-0-0,0-0-4], [6:0-1-13,0-2-8], [8:0-1-13,0-2-8], [11:0-2-7,Edge], [12:0-3-8,0-2-8], [18:0-4-0,0-2-4]

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)	-0.19	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.26	14-15	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.94	Horz(TL)	0.03	12	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 284 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 6 SYP No.1D *Except*
B1 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 3-1-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-8-14 oc bracing.
WEBS 1 Row at midpt 6-18, 8-17, 8-15, 5-19

REACTIONS (lb/size) 2=592/0-3-8, 19=2057/0-3-8, 12=2542/0-3-8
Max Horz 2=412(load case 3)
Max Uplift2=-354(load case 5), 19=-893(load case 3), 12=-1305(load case 5)
Max Grav 2=596(load case 6), 19=2057(load case 1), 12=2542(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-527/502, 3-4=-199/472, 4-5=-185/495, 5-6=-71/593, 6-7=-1201/767, 7-8=-1201/767, 8-9=-2800/1528, 9-10=-2829/1396, 10-11=-3291/1661, 11-12=-3980/1898, 12-13=0/62
BOT CHORD 2-20=-257/361, 19-20=-257/361, 17-18=-224/496, 16-17=-591/1577, 15-16=-591/1577, 14-15=-1556/3534, 12-14=-1447/3220
WEBS 3-20=0/215, 3-19=-481/340, 6-18=-1472/648, 6-17=-576/1363, 7-17=-273/295, 8-17=-728/343, 8-15=-1070/2052, 9-15=-129/211, 10-15=-1978/1061, 10-14=-312/165, 11-14=-899/1884, 18-19=-1705/773, 5-18=-238/327

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 354 lb uplift at joint 2, 893 lb uplift at joint 19 and 1305 lb uplift at joint 12.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1483 lb down and 886 lb up at 35-8-2 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-6=-54, 6-8=-54, 8-10=-54, 10-11=-54, 11-13=-54, 2-19=-30, 12-18=-30
Concentrated Loads (lb)
Vert: 14=-1483(F)

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705849
L117440	T19	SPECIAL	1	1	Job Reference (optional)

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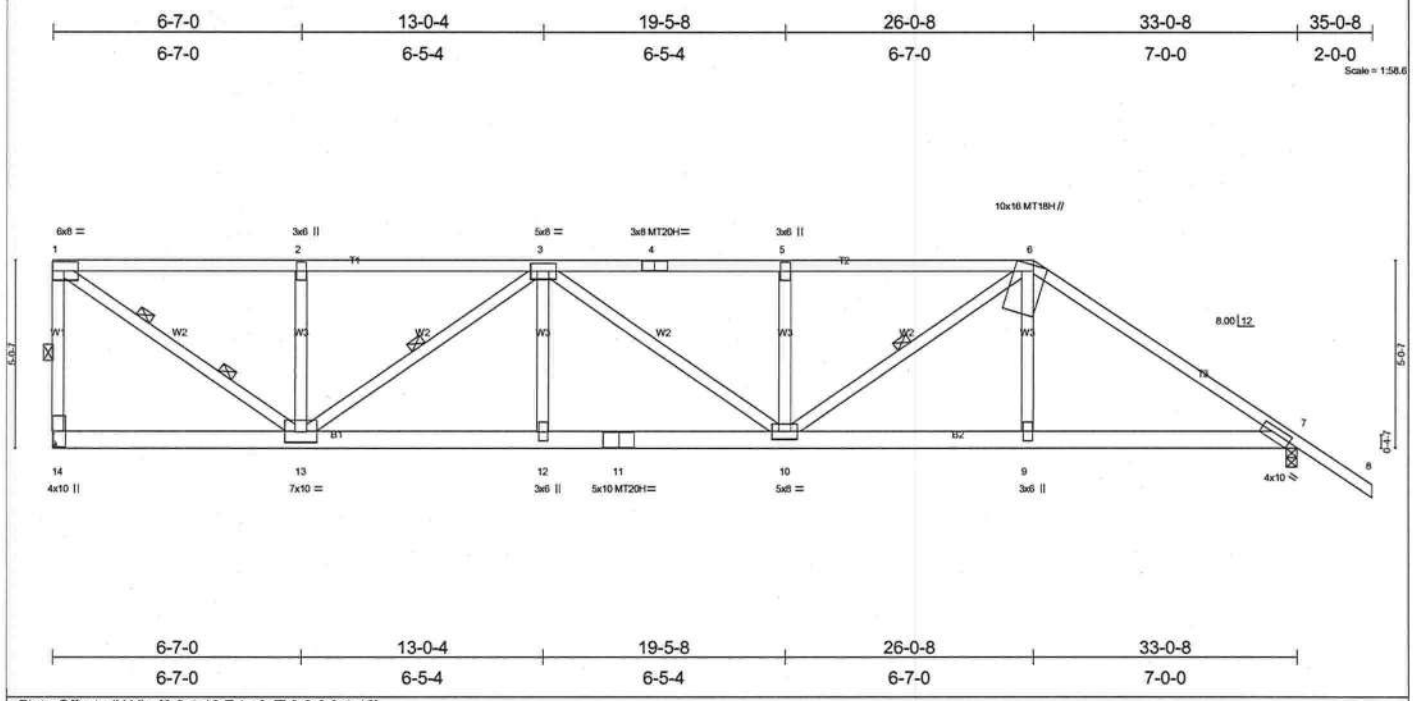

Plate Offsets (X,Y): [6:0-1-13,Edge], [7:0-3-0,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.98	Vert(LL)	0.39	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.43	10-12	>906	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.77	Horz(TL)	0.10	7	n/a	n/a	MT18H	244/190
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 209 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.1D *Except*
T3 2 X 4 SYP No.2D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.2D *Except*
W3 2 X 4 SYP No.3, W3 2 X 4 SYP No.3, W3 2 X 4 SYP No.3, W3 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 2-3-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-2-1 oc bracing.
WEBS 1 Row at midpt 1-14, 3-13, 6-10
2 Rows at 1/3 pts 1-13

REACTIONS (lb/size) 14=3034/Mechanical, 7=2927/0-3-8
Max Horz 14=-362(load case 5)
Max Uplift14=-2331(load case 3), 7=-1905(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-14=-2812/2321, 1-2=-3495/2669, 2-3=-3495/2669, 3-4=-5371/4044, 4-5=-5371/4044, 5-6=-5372/4043, 6-7=-4665/3251, 7-8=0/62
BOT CHORD 13-14=-99/276, 12-13=-3977/5246, 11-12=-3977/5246, 10-11=-3977/5246, 9-10=-2678/3815, 7-9=-2666/3788
WEBS 1-13=-3162/4181, 2-13=-781/1054, 3-13=-2162/1627, 3-12=0/431, 3-10=-165/155, 5-10=-773/1088, 6-10=-1661/1905, 6-9=-440/873

NOTES
1) Wind: ASCE 7-98; 120mph (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) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2331 lb uplift at joint 14 and 1905 lb uplift at joint 7.
6) Girder carries hip end with 7-0-0 right side setback, 0-0-0 left side setback, and 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 506 lb up at 26-0-8 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: 1-6=-118(F=-64), 6-8=-54, 9-14=-65(F=-35), 7-9=-30
Concentrated Loads (lb)
Vert: 9=-539(F)

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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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705850
L117440	T20	HIP	1	1	Job Reference (optional)

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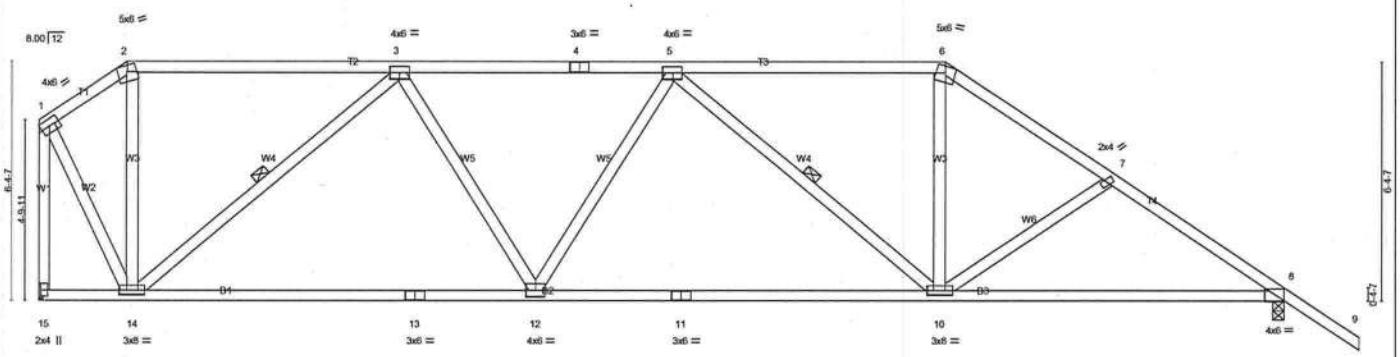
2-4-2	9-6-15	16-9-11	24-0-8	28-4-1	33-0-8	35-0-8
2-4-2	7-2-13	7-2-13	7-2-13	4-3-9	4-8-7	2-0-0

Scale = 1:58.5



2-4-2	13-2-5	24-0-8	33-0-8
2-4-2	10-10-3	10-10-3	9-0-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.59	Vert(LL)	-0.25	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.36	10-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.82	Horz(TL)	0.07	8	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 192 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.2D

BRACING
TOP CHORD Sheathed or 4-5-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-14, 5-10

REACTIONS (lb/size) 15=1372/Mechanical, 8=1495/0-3-8
Max Horz 15=-385(load case 6)
Max Uplift15=-667(load case 4), 8=-624(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-651/314, 2-3=-555/328, 3-4=-1798/980, 4-5=-1798/980, 5-6=-1532/835, 6-7=-1877/922, 7-8=-2058/952, 8-9=0/59, 1-15=-1440/658
BOT CHORD 14-15=-55/382, 13-14=-844/1535, 12-13=-844/1535, 11-12=-933/1864, 10-11=-933/1864, 8-10=-665/1647
WEBS 2-14=0/123, 3-14=-1297/831, 3-12=-145/519, 5-12=-132/223, 5-10=-515/486, 6-10=-228/681, 7-10=-159/244, 1-14=-631/1233

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
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 667 lb uplift at joint 15 and 624 lb uplift at joint 8.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705851
L117440	T21	HIP	1	1	Job Reference (optional)

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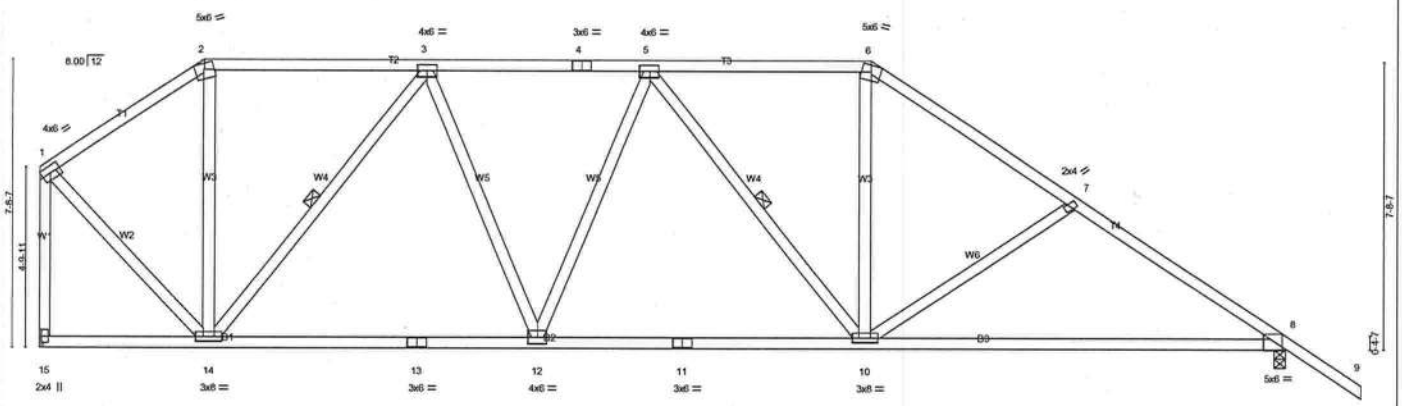
4-4-2	10-2-15	16-1-11	22-0-8	27-4-1	33-0-8	35-0-8
4-4-2	5-10-13	5-10-13	5-10-13	5-3-9	5-8-7	2-0-0

Scale = 1:58.5



4-4-2	13-2-5	22-0-8	33-0-8
4-4-2	8-10-3	8-10-3	11-0-0

Plate Offsets (X,Y): [8:0-0-13,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	0.54	Vert(LL)	-0.31	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.47	8-10	>845	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.60	Horz(TL)	0.06	8	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 203 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.2D

BRACING
TOP CHORD Sheathed or 4-2-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-14, 5-10

REACTIONS (lb/size) 15=1372/Mechanical, 8=1495/0-3-8
Max Horz 15=-417(load case 6)
Max Uplift15=-563(load case 4), 8=-613(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-928/480, 2-3=-734/474, 3-4=-1462/829, 4-5=-1462/829, 5-6=-1400/808, 6-7=-1754/864, 7-8=-2005/945, 8-9=0/59, 1-15=-1337/669
BOT CHORD 14-15=-118/408, 13-14=-663/1300, 12-13=-663/1300, 11-12=-685/1524, 10-11=-685/1524, 8-10=-573/1613
WEBS 2-14=-75/254, 3-14=-946/617, 3-12=-146/448, 5-12=-178/201, 5-10=-305/381, 6-10=-204/628, 7-10=-272/330, 1-14=-507/1044

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
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 563 lb uplift at joint 15 and 613 lb uplift at joint 8.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705852
L117440	T22	HIP	1	1	Job Reference (optional)

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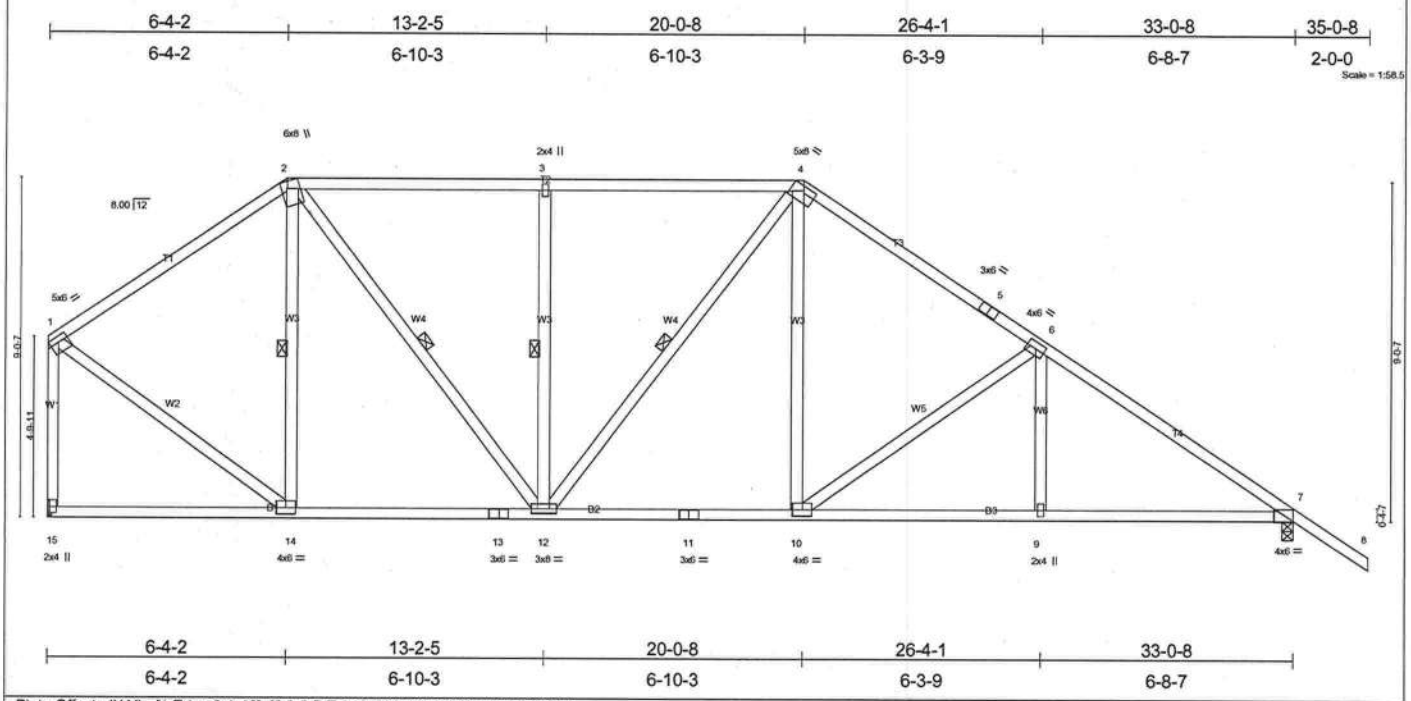

Plate Offsets (X,Y): [1:Edge,0-1-12], [2:0-2-7,Edge], [4:0-4-0,0-1-9], [7:0-0-0,0-0-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.62	Vert(LL)	-0.10	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.15	10-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.52	Horz(TL)	0.05	7	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 213 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.2D

BRACING
TOP CHORD Sheathed or 4-3-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-2-1 oc bracing.
WEBS 1 Row at midpt 2-14, 2-12, 3-12, 4-12

REACTIONS (lb/size) 15=1372/Mechanical, 7=1495/0-3-8
Max Horz 15=-449(load case 6)
Max Uplift15=-453(load case 4), 7=-636(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1087/570, 2-3=-1266/787, 3-4=-1266/787, 4-5=-1427/833, 5-6=-1597/806, 6-7=-2087/899, 7-8=0/59, 1-15=-1280/669
BOT CHORD 14-15=-184/430, 13-14=-420/827, 12-13=-420/827, 11-12=-364/1257, 10-11=-364/1257, 9-10=-507/1641, 7-9=-507/1641
WEBS 2-14=-371/302, 2-12=-481/758, 3-12=-386/422, 4-12=-284/154, 4-10=-180/471, 6-10=-481/381, 6-9=0/212, 1-14=-453/972

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
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 453 lb uplift at joint 15 and 636 lb uplift at joint 7.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705853
L117440	T23	SPECIAL	3	1	Job Reference (optional)

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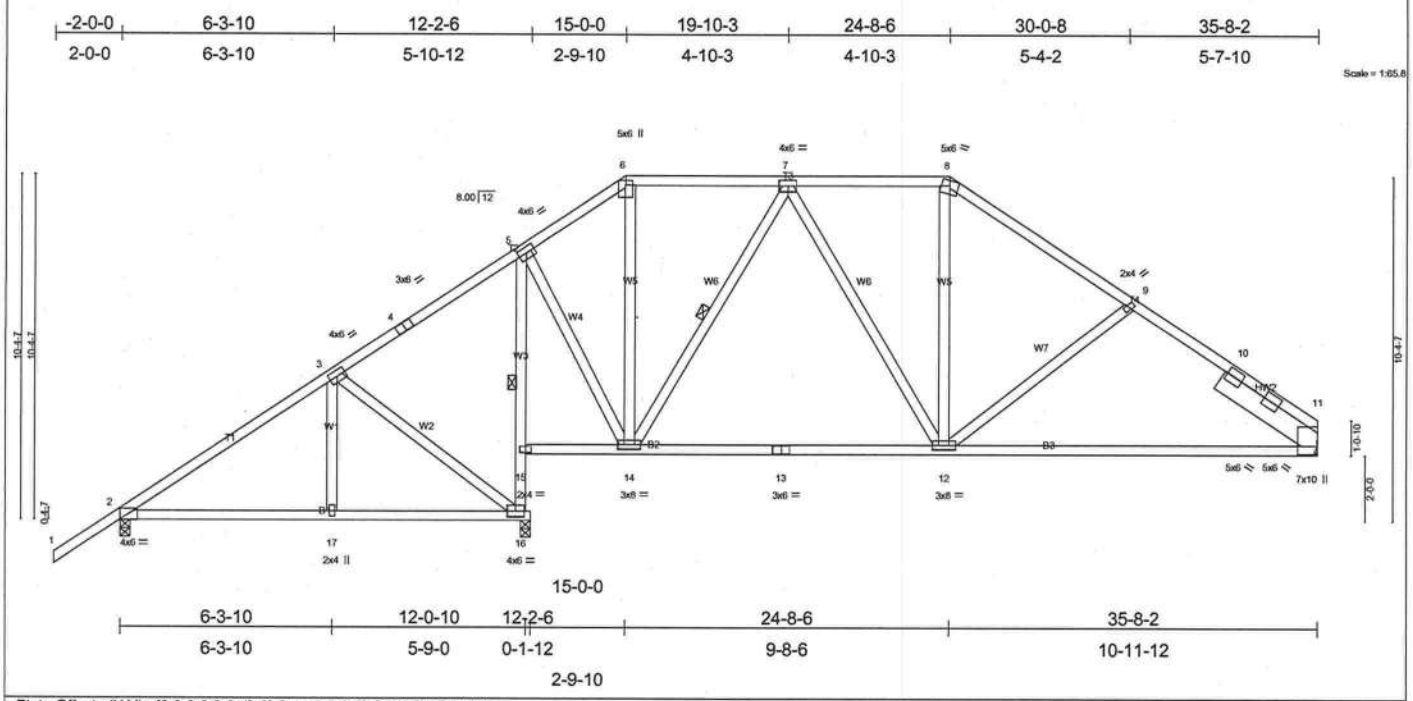

Plate Offsets (X,Y): [2:0-0-0,0-0-4], [6:0-1-13,0-2-8], [11:0-7-15,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.19	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.29	11-12	>993	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.42	Horz(TL)	0.02	11	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 226 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2D
BOT CHORD	2 X 4 SYP No.2D
WEBS	2 X 4 SYP No.3
SLIDER	Right 2 X 8 SYP No.1D 3-6-7

BRACING

TOP CHORD	Sheathed or 6-0-0 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 14-15.
WEBS	1 Row at midpt 7-14, 5-16

REACTIONS (lb/size) 11=993/Mechanical, 2=610/0-3-8, 16=1498/0-3-8
Max Horz 2=442(load case 4)
Max Uplift11=-433(load case 6), 2=-334(load case 5), 16=-649(load case 4)
Max Grav 11=993(load case 1), 2=610(load case 7), 16=1498(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/60, 2-3=-553/399, 3-4=-222/368, 4-5=-207/391, 5-6=-481/500, 6-7=-358/457, 7-8=-775/607, 8-9=-1004/625, 9-10=-1087/686, 10-11=-1245/665
BOT CHORD	2-17=-268/383, 16-17=-268/383, 14-15=-6/12, 13-14=-242/641, 12-13=-242/641, 11-12=-407/936
WEBS	3-17=0/215, 3-16=-485/341, 5-14=-285/761, 6-14=-158/116, 7-14=-571/302, 7-12=-68/269, 8-12=-89/232, 9-12=-211/321, 15-16=-1142/528, 5-15=-1138/528

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
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 433 lb uplift at joint 11, 334 lb uplift at joint 2 and 649 lb uplift at joint 16.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705854
L117440	T26	HIP	1	1	

Builders FirstSource, Lake City, Fl 32055

Job Reference (optional)

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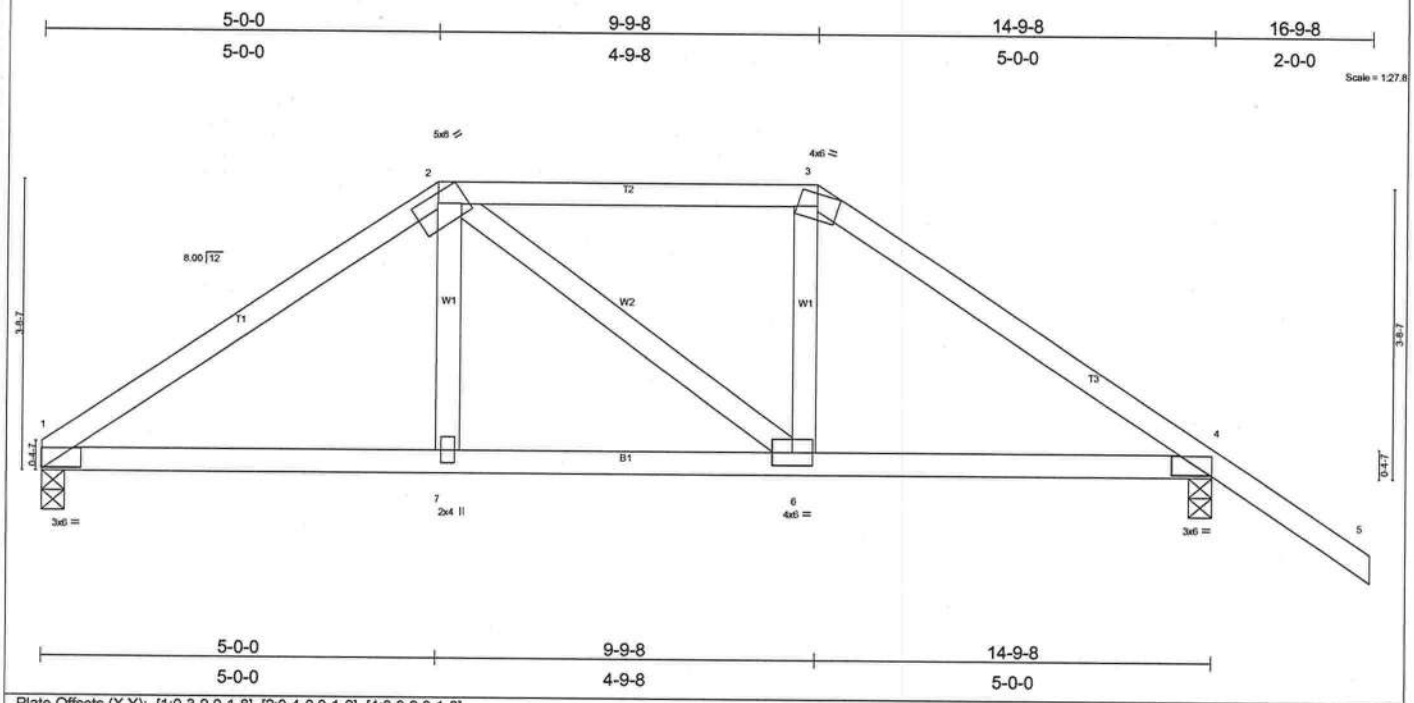

Plate Offsets (X,Y): [1:0-3-9,0-1-8], [2:0-4-0,0-1-9], [4:0-3-9,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	0.04	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.06	6-7	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.16	Horz(TL)	0.02	4	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 68 lb	

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

BRACING
TOP CHORD Sheathed or 5-2-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-3-4 oc bracing.

REACTIONS (lb/size) 1=979/0-3-8, 4=1112/0-3-8
Max Horz 1=-179(load case 5)
Max Uplift1=-563(load case 4), 4=-729(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1476/892, 2-3=-1170/790, 3-4=-1473/880, 4-5=0/59
BOT CHORD 1-7=-787/1173, 6-7=-796/1193, 4-6=-673/1151
WEBS 2-7=-212/458, 2-6=-113/139, 3-6=-244/485

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 563 lb uplift at joint 1 and 729 lb uplift at joint 4.
5) Girder carries hip end with 5-0-0 end setback.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 245 lb down and 230 lb up at 9-9-8, and 245 lb down and 230 lb up at 5-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54, 2-3=-91(F=-37), 3-5=-54, 1-7=-30, 6-7=-50(F=-20), 4-6=-30
Concentrated Loads (lb)
Vert: 7=-245(F) 6=-245(F)

JUNE 27, 2005 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.#062705855

Job	Truss	Truss Type	Qty	Ply	
L117440	T27	HIP	1	1	Job Reference (optional)

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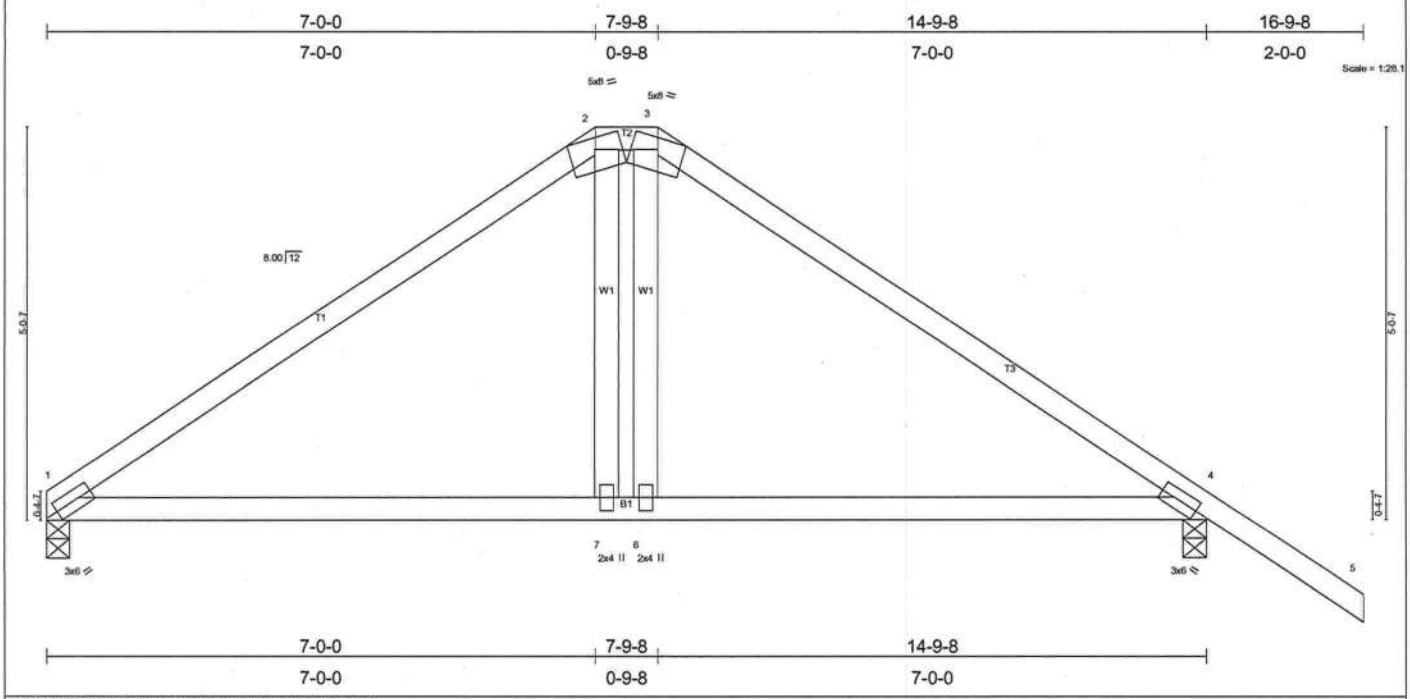

Plate Offsets (X,Y): [1:0-1-15,0-1-8], [4:0-1-15,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.12	1-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.16	1-7	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.01	4	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 66 lb	

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

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

REACTIONS (lb/size) 1=600/0-3-8, 4=733/0-3-8
Max Horz 1=-231(load case 3)
Max Uplift1=-224(load case 5), 4=-389(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-740/315, 2-3=-538/377, 3-4=-745/324, 4-5=0/59
BOT CHORD 1-7=-126/534, 6-7=-121/538, 4-6=-115/534
WEBS 2-7=-269/323, 3-6=-282/336

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 224 lb uplift at joint 1 and 389 lb uplift at joint 4.

LOAD CASE(S) Standard

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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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705856
L117440	T28	COMMON	2	1	Job Reference (optional)

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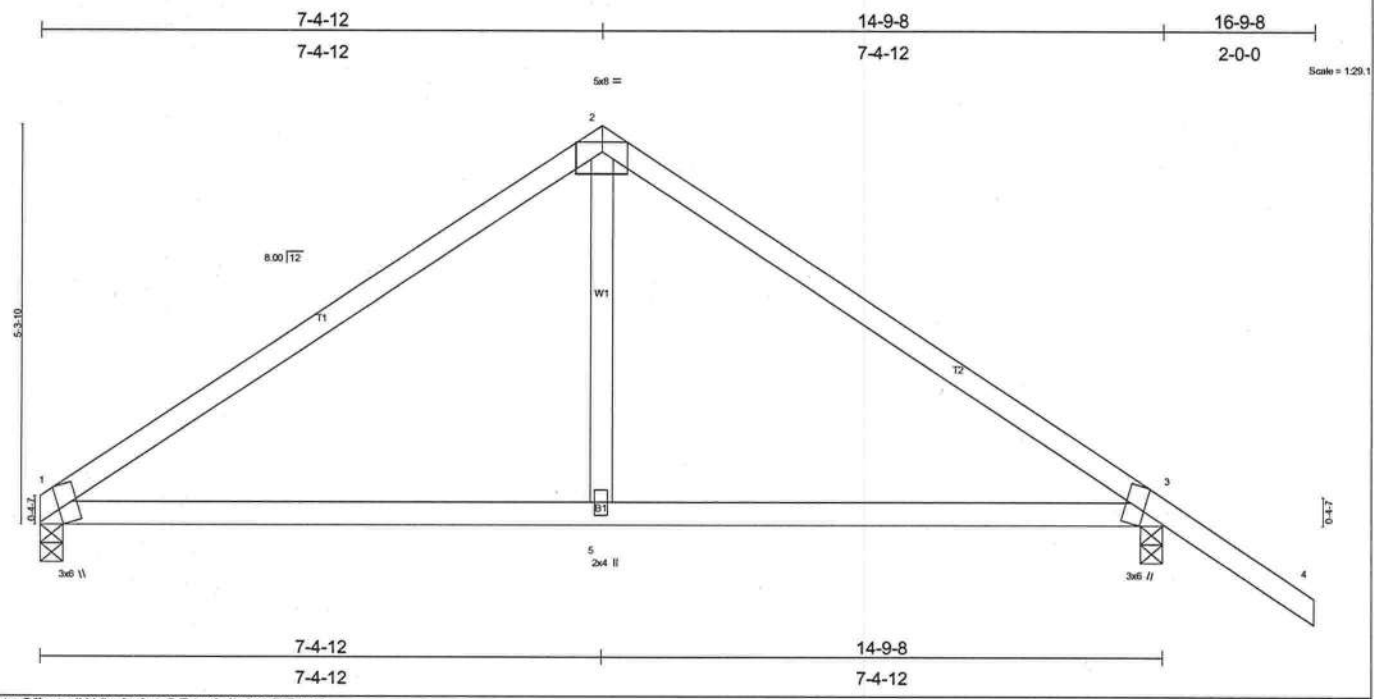

Plate Offsets (X,Y): [1:0-1-5,Edge], [3:0-1-5,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	0.11	1-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.15	1-5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.01	3	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 60 lb	

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

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

REACTIONS (lb/size) 1=600/0-3-8, 3=733/0-3-8
Max Horz 1=-241(load case 3)
Max Uplift1=-227(load case 5), 3=-392(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-739/311, 2-3=-744/319, 3-4=0/59
BOT CHORD 1-5=-129/533, 3-5=-129/533
WEBS 2-5=0/284

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 227 lb uplift at joint 1 and 392 lb uplift at joint 3.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705857
L117440	T29	COMMON	1	2	Job Reference (optional)

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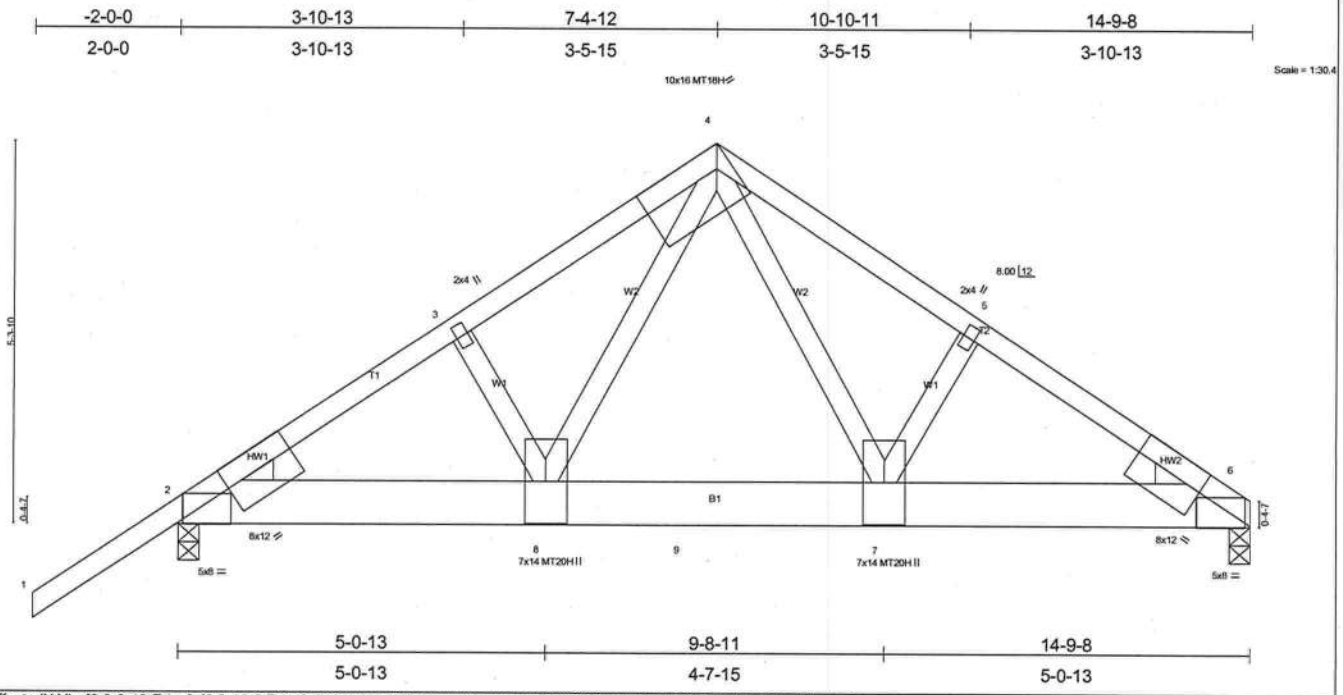

Plate Offsets (X,Y): [2:0-0-13,Edge], [2:0-10-2,Edge], [3:0-0-0,0-0-0], [4:0-2-5,Edge], [5:0-0-0,0-0-0], [6:0-10-2,Edge], [6:0-0-13,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.11	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.15	7-8	>999	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.47	Horz(TL)	-0.02	2	n/a	n/a	MT18H	244/190
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 198 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.2D *Except*
W1 2 X 4 SYP No.3, W1 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 4-10-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=5670/0-3-8, 2=3635/0-3-8
Max Horz 6=239(load case 2)
Max Uplift6=-2731(load case 4), 2=-1815(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 4-5=-7631/3735, 5-6=-7726/3694, 1-2=0/65, 2-3=-6380/2990, 3-4=-6269/3015
BOT CHORD 2-8=-2399/5242, 8-9=-1817/3987, 7-9=-1817/3987, 6-7=-3083/6395
WEBS 5-7=-134/203, 4-7=-2698/5407, 4-8=-1332/2810, 3-8=-88/174

NOTES
1) 2-ply truss to be connected together with 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 - 3 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 7-98; 120mph (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) All plates are MT20 plates unless otherwise indicated.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 2731 lb uplift at joint 6 and 1815 lb uplift at joint 2.
7) Girder carries tie-in span(s): 33-0-8 from 7-0-0 to 14-9-8
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 3034 lb down and 1462 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: 4-6=-54, 1-4=-54, 2-9=-30, 6-9=-676(F=-646)
Concentrated Loads (lb)
Vert: 9=-3034(F)

JUNE 27, 2005 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.#062705858~~

Job	Truss	Truss Type	Qty	Ply	
L117440	T31	HIP	1	1	Job Reference (optional)

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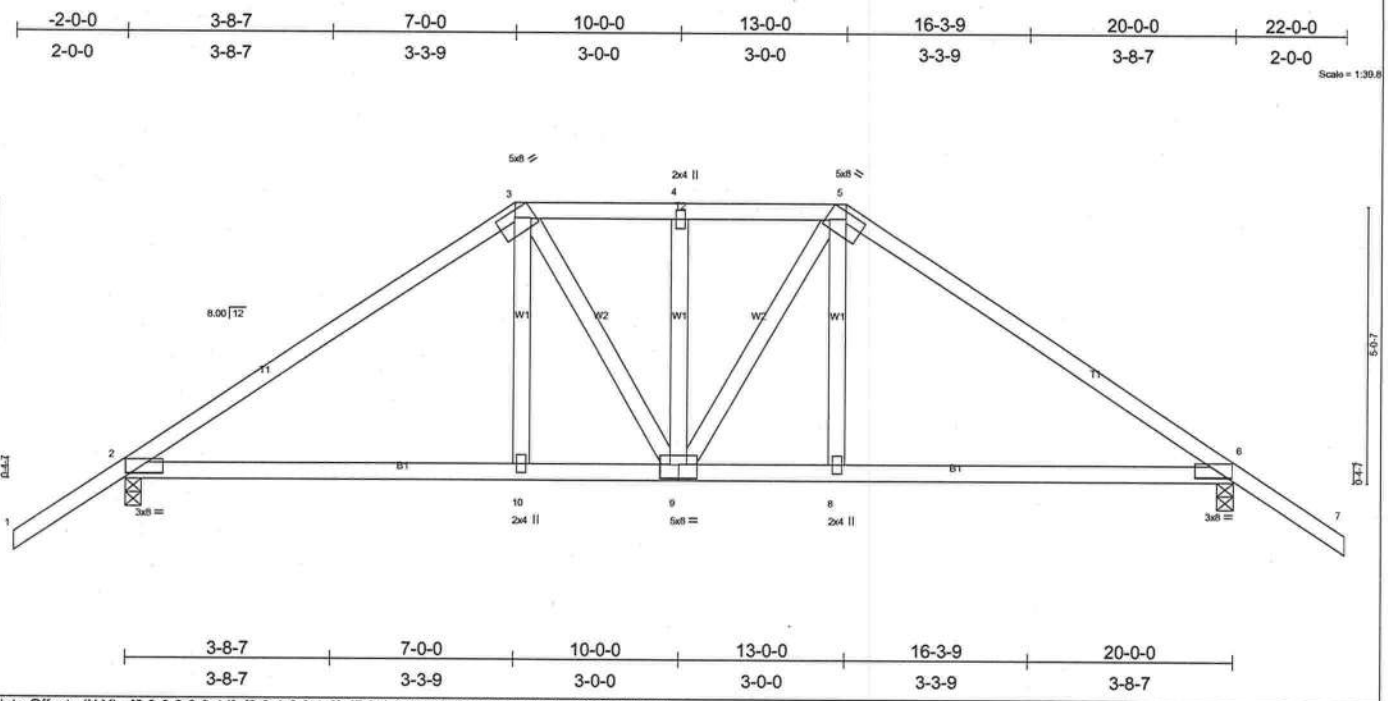

Plate Offsets (X,Y): [2:0-8-3,0-0-14], [3:0-4-0,0-1-9], [5:0-4-0,0-1-9], [6:0-8-3,0-0-14], [9:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	-0.11	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.16	2-10	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.25	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 107 lb	

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

BRACING
TOP CHORD Sheathed or 3-8-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-3-15 oc bracing.

REACTIONS (lb/size) 2=1774/0-3-8, 6=1774/0-3-8
Max Horz 2=203(load case 3)
Max Uplift2=-1227(load case 4), 6=-1227(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-2558/1691, 3-4=-2147/1565, 4-5=-2147/1564, 5-6=-2558/1692, 6-7=0/59
BOT CHORD 2-10=-1462/2026, 9-10=-1476/2050, 8-9=-1332/2050, 6-8=-1319/2026
WEBS 3-10=-467/794, 3-9=-421/298, 4-9=-261/490, 5-9=-422/298, 5-8=-467/794

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1227 lb uplift at joint 2 and 1227 lb uplift at joint 6.
5) Girder carries hip end with 7-0-0 end setback.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 506 lb up at 13-0-0, and 539 lb down and 506 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-118(F=-64), 5-7=-54, 2-10=-30, 8-10=-65(F=-35), 6-8=-30
Concentrated Loads (lb)
Vert: 10=-539(F) 8=-539(F)

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705859
L117440	T32	HIP	1	1	Job Reference (optional)

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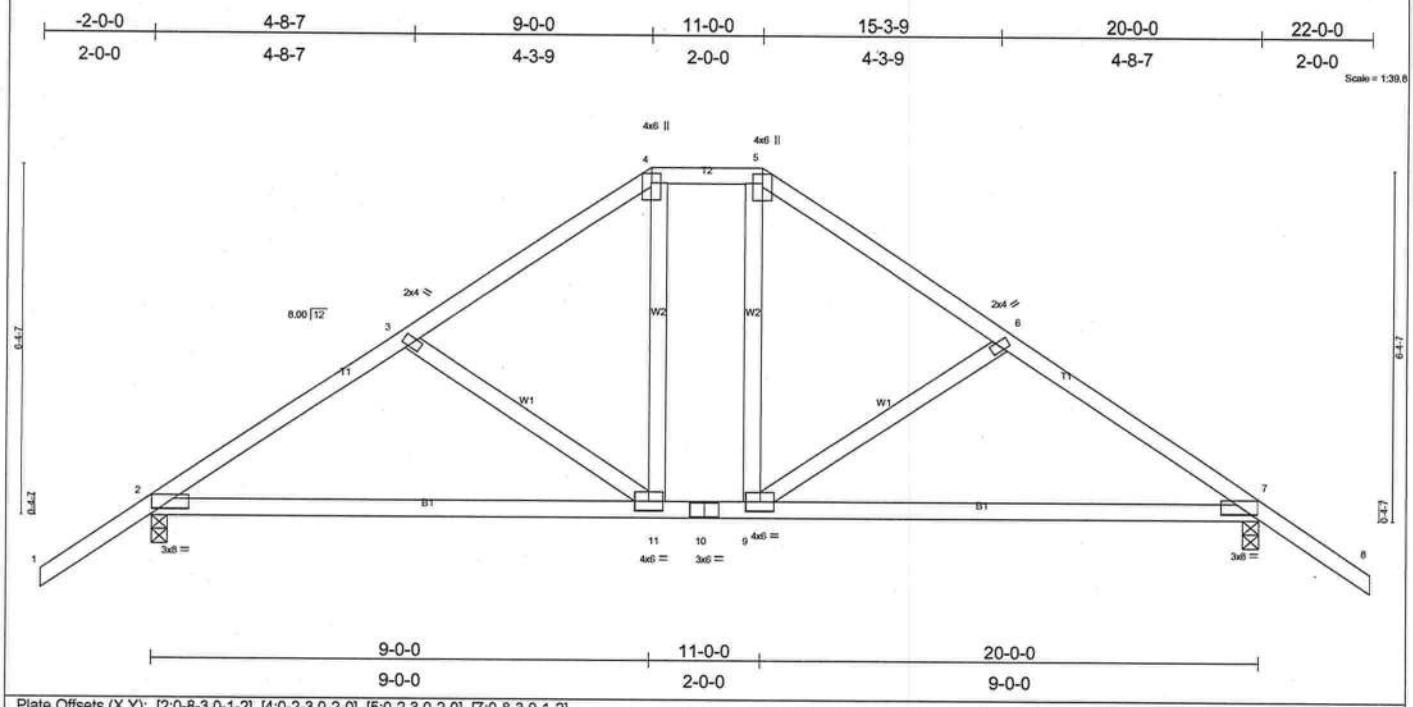


Plate Offsets (X,Y): [2:0-8-3,0-1-2], [4:0-2-3,0-2-0], [5:0-2-3,0-2-0], [7:0-8-3,0-1-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	-0.16	2-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.23	2-11	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.02	7	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 105 lb	

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

BRACING
TOP CHORD Sheathed or 5-11-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=944/0-3-8, 7=944/0-3-8
Max Horz 2=259(load case 4)
Max Uplift2=-461(load case 5), 7=-461(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-1096/494, 3-4=-888/429, 4-5=-683/426, 5-6=-888/429, 6-7=-1096/494, 7-8=0/59
BOT CHORD 2-11=-324/868, 10-11=-121/683, 9-10=-121/683, 7-9=-201/868
WEBS 3-11=-254/271, 4-11=-90/293, 5-9=-90/293, 6-9=-254/272

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 461 lb uplift at joint 2 and 461 lb uplift at joint 7.

LOAD CASE(S) Standard

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705860
L117440	T33	COMMON	5	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:37:20 2005 Page 1

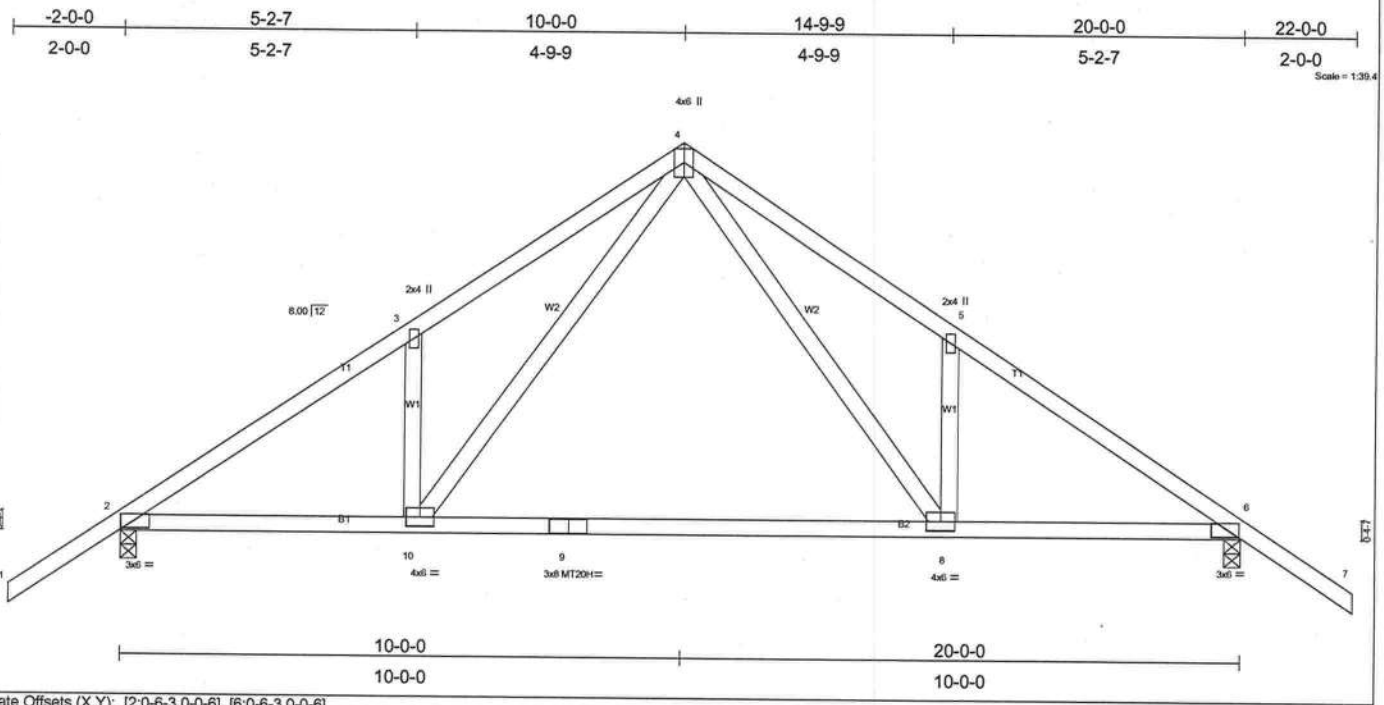


Plate Offsets (X,Y): [2:0-6-3,0-0-6], [6:0-6-3,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.47	8-10	>501	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.93	Vert(TL)	-0.67	8-10	>351	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.59	Horz(TL)	0.03	6	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 107 lb	

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

BRACING
TOP CHORD Sheathed or 4-10-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-0-15 oc bracing.

REACTIONS (lb/size) 2=1183/0-3-8, 6=1183/0-3-8
Max Horz 2=-286(load case 3)
Max Uplift2=-584(load case 5), 6=-584(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-1732/677, 3-4=-1678/857, 4-5=-1678/857, 5-6=-1732/677, 6-7=0/59
BOT CHORD 2-10=-511/1345, 9-10=-221/810, 8-9=-221/810, 6-8=-397/1345
WEBS 4-10=-499/941, 4-8=-499/941, 3-10=-199/318, 5-8=-199/318

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (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.
3) All plates are MT20 plates unless otherwise indicated.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 584 lb uplift at joint 2 and 584 lb uplift at joint 6.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

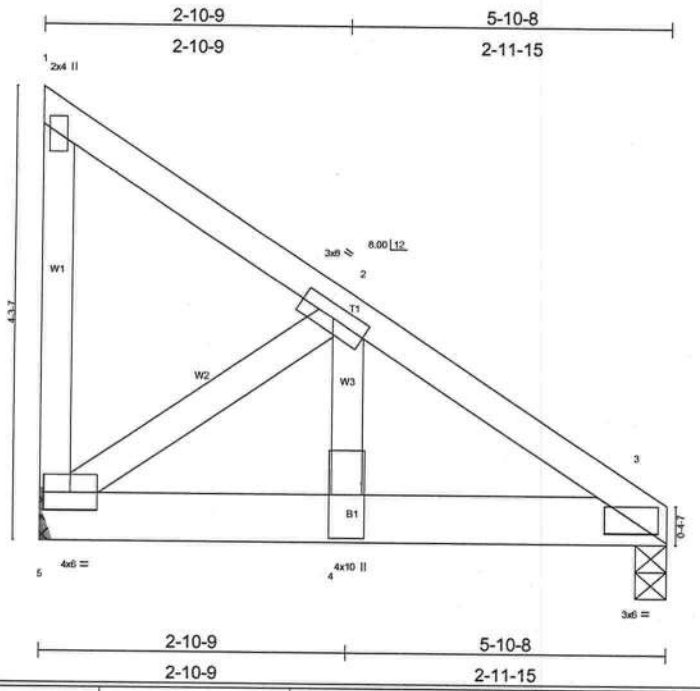
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-10=-30, 8-10=-80(F=-50), 6-8=-30

JUNE 27, 2005 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

Job	Truss	Truss Type	Qty	Ply	Dwg.#062705861
L117440	T34	SPECIAL	1	1	

Builder: FirstSource, Lake City, Fl 32055 — Job Reference (optional)

6.200 s Dec 15 2004 MiTek Industries, Inc. Fri Jun 24 12:37:20 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	0.02	3-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.02	3-4	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.49	Horz(TL)	0.01	3	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 37 lb	

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

BRACING
TOP CHORD Sheathed or 5-3-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 5=1483/Mechanical, 3=1483/0-3-8
Max Horz 5=-208(load case 4)
Max Uplift5=-806(load case 4), 3=-665(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-5=-64/75, 1-2=-55/27, 2-3=-1501/620
BOT CHORD 4-5=-475/1212, 3-4=-475/1212
WEBS 2-5=-1492/823, 2-4=-704/1535

NOTES
1) Wind: ASCE 7-98; 120mph (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 806 lb uplift at joint 5 and 665 lb uplift at joint 3.
4) Girder carries tie-in span(s): 23-5-0 from 0-0-0 to 5-10-8
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

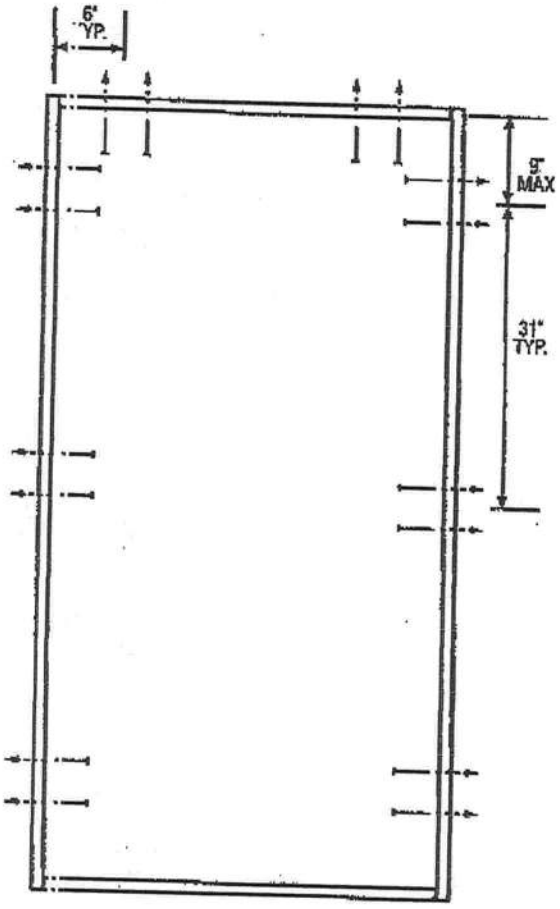
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-477(F=-447)

JUNE 27, 2005 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

X
Unit

MID-WL-MA0001-02

SINGLE DOOR



Minimum Fastener Count

- 6 per vertical framing member for 7'0" height and smaller
- 8 per vertical framing member for heights greater than 7'0"
- 4 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.ctlgroup.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 0245*, 0266*, 3241*, 3245, 3261* or 3266**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

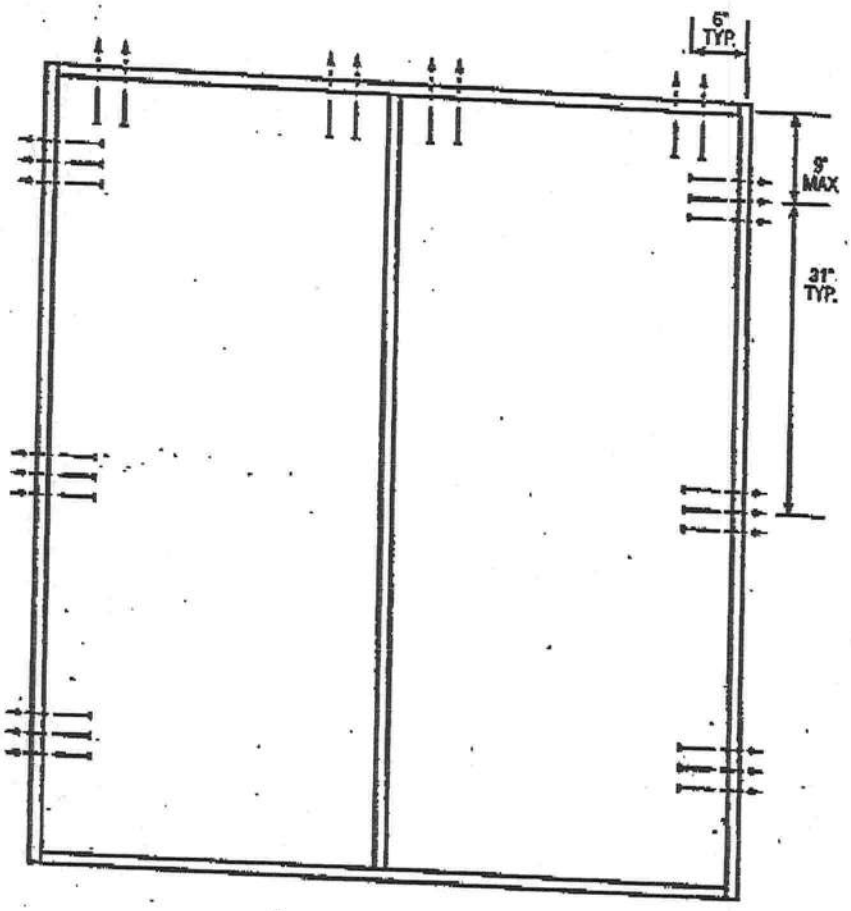
1. Anchor calculations have been carried out with the fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include 10d common nails. Threshold fasteners analyzed for this unit include Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The common nail single shear design values come from ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment of 1-1/4".
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

Masonite®

XX
Unit

MID-WL-MA0002-02

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member for 7'0" heights and smaller
- 8 per vertical framing member for heights greater than 7'0"
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.intertek.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- UNITS COVERED BY COP DOCUMENT 0247*, 0267*, 3242*, 3247, 3262* or 3267
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

1. Anchor calculations have been carried out with the fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 wood screws and 10d common nails. Threshold fasteners analyzed for this unit include Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The wood screw and common nail single shear design values come from ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment of 1-1/4".
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

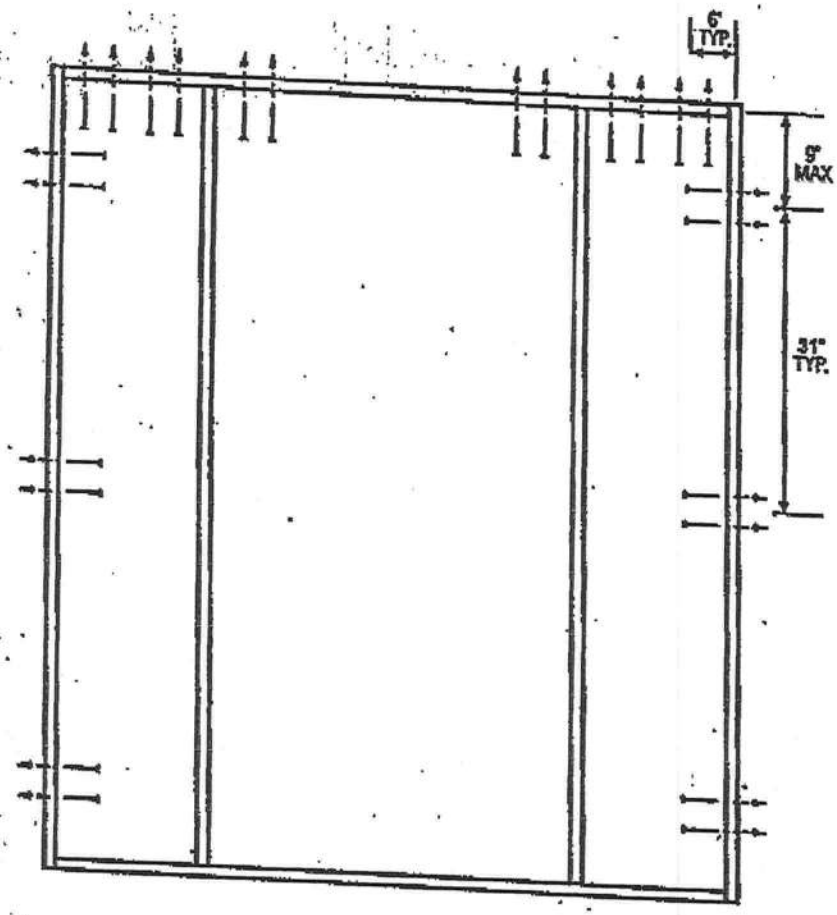
March 10, 2003

Masonite

OXO
Unit

MID-WL-MA0004-D2

SINGLE DOOR WITH 2 SIDELITE



Minimum Fastener Count

- 6 per vertical framing member for 7'0" heights and smaller
- 8 per vertical framing member for heights greater than 7'0"
- 12 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Test Data Review Certificate #30264471; #30264471B; #30264471C and COP/Test Report Validation Matrix #30264471A-001, 002, 003, 004; #30264471B-001, 002, 003, 004; #30264471C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.intertek.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- UNITS COVERED BY COP DOCUMENT 8249*, 8269*, 3244*, 3249, 3264* or 3269
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

1. Anchor calculations have been carried out with the fastener rating from the different fasteners being considered for use. Jamb and head fast analyzed for this unit include 10d common nails. Threshold fasteners analyzed for this unit include Liquid Nails Builders Choice 490 (or equ structural adhesive).
2. The common nail single shear design values come from ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/ achievement of minimum embedment of 1-1/4".
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

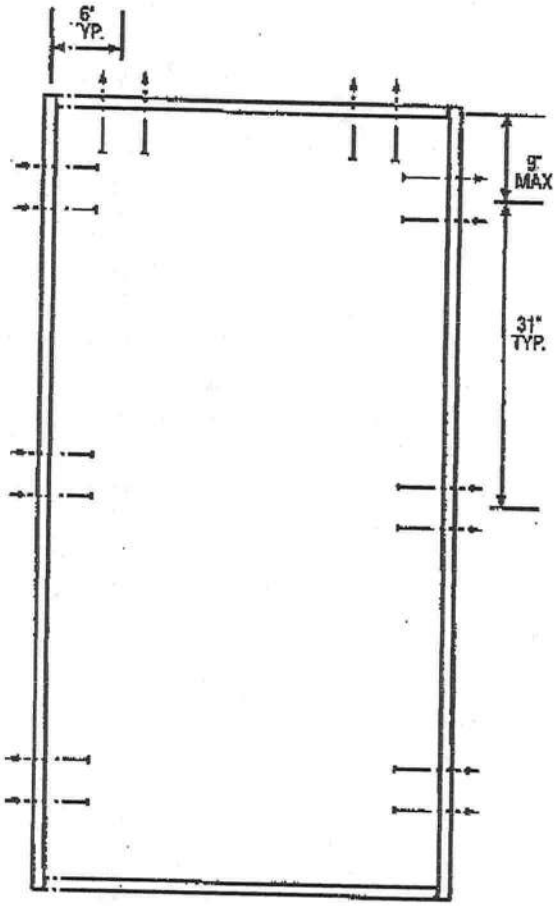
March 10, 2003
Our continuing program of product improvement makes specifications, designs and product detail subject to change without notice.

Masonite

X
Unit

MID-WL-MA0001-02

SINGLE DOOR



Minimum Fastener Count

- 6 per vertical framing member for 7'0" height and smaller
- 8 per vertical framing member for heights greater than 7'0"
- 4 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.etsamko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 0245*, 0266*, 3241*, 3245, 3261* or 3266**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

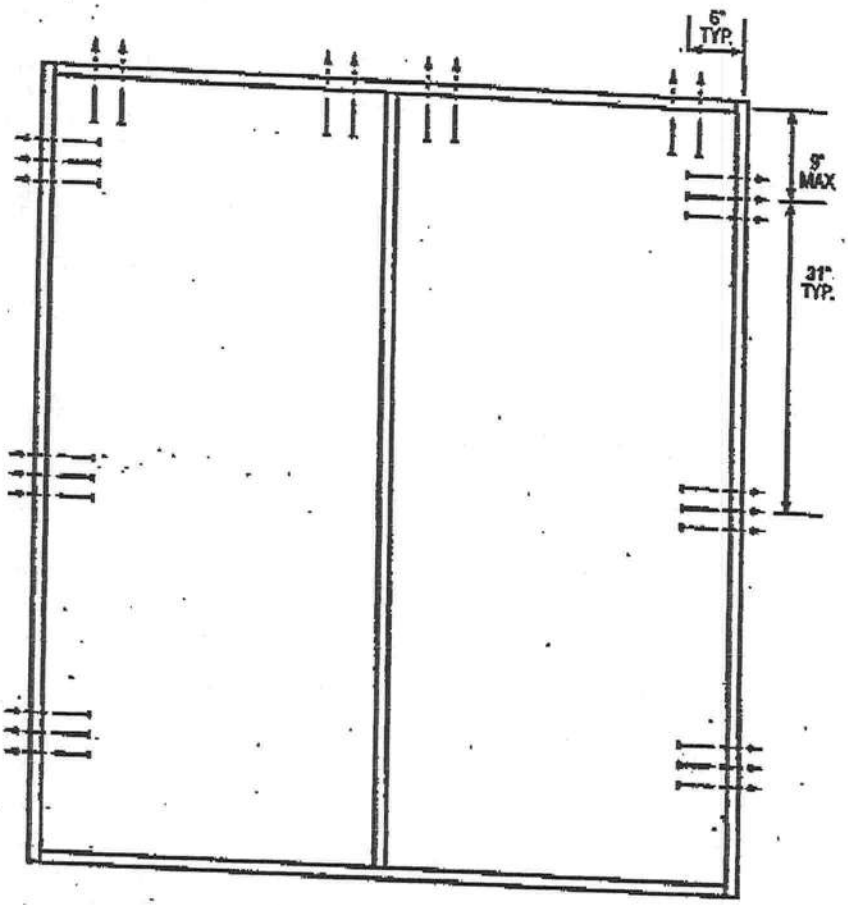
1. Anchor calculations have been carried out with the fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include 10d common nails. Threshold fasteners analyzed for this unit include Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The common nail single shear design values come from ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment of 1-1/4".
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

Masonite®

XX
Unit

MID-WL-MA0002-02

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member for 7'0" heights and smaller
- 8 per vertical framing member for heights greater than 7'0"
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Test Data Review Certificate #3026447A; #3026447B; #3026447C and CCMTest Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.intertek.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- UNITS COVERED BY COP DOCUMENT 0247*, 0267*, 3242*, 3247, 3262* or 3267
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

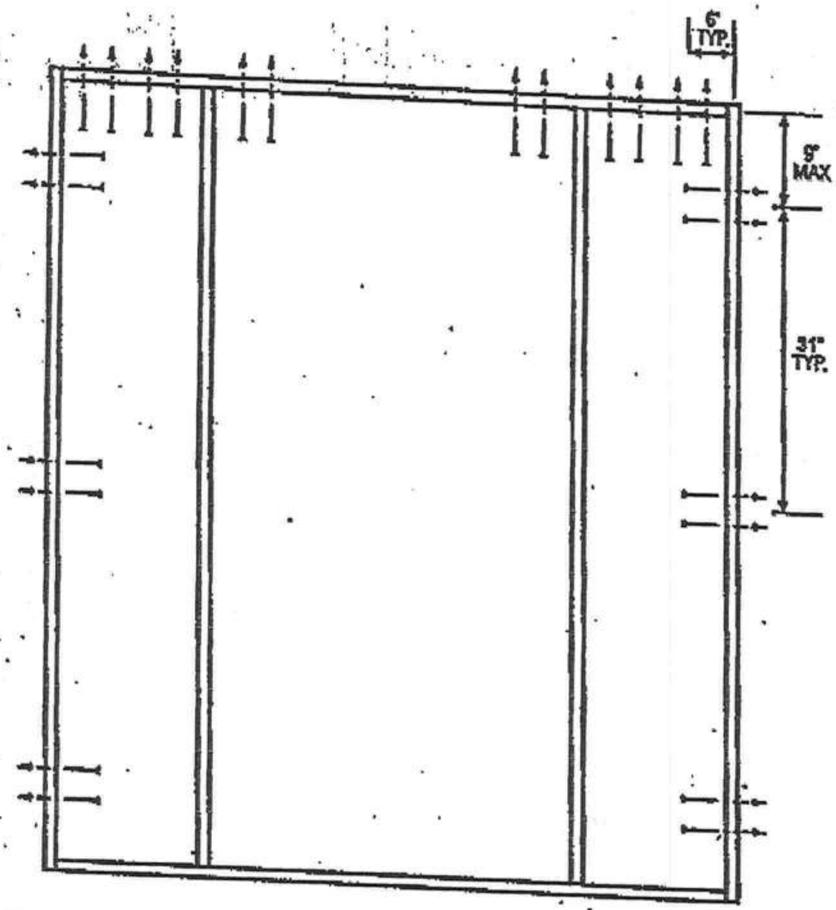
1. Anchor calculations have been carried out with the fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 wood screws and 10d common nails. Threshold fasteners analyzed for this unit include Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The wood screw and common nail single shear design values come from ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment of 1-1/4".
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

Masonite

OXO
Unit

MID-WL-MA0004-D2

SINGLE DOOR WITH 2 SIDELITE



Minimum Fastener Count

- 6 per vertical framing member for 7'0" heights and smaller
- 8 per vertical framing member for heights greater than 7'0"
- 12 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the FTS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- UNITS COVERED BY COP DOCUMENT 0249*, 0269*, 3244*, 3249, 3264* or 3269
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

1. Anchor calculations have been carried out with the fastener rating from the different fasteners being considered for use. Jamb and head fast analyzed for this unit include 10d common nails. Threshold fasteners analyzed for this unit include Liquid Nails Builders Choice 490 (or equ structural adhesive).
2. The common nail single shear design values come from ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/ achievement of minimum embedment of 1-1/4".
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

March 10, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

Masoni

75-2160

TAMKO ROOFING PRODUCTS

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

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

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

All testing was performed by Florida State certified independent labs.

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

TAMKO Roofing Products, Inc.

EMBER MASTER™

VENT-FREE GAS LOG HEATERS

The FMI Ember Master Gas Log Heaters offer you what ordinary gas logs and wood cannot...the warmth, cleanliness and economy of vent-free space heating combined with the beauty and convenience of gas logs. FMI's unique, clean burning design and precision positioned logs permit vent-free operation with the fireplace damper closed. With no venting required, there is no heat loss up the chimney. Plus they require no electricity so you always have heat - even in the event of power outage.

A Model To Fit Every Need

FMI's Ember Master Gas Log Heaters are available in two log sizes: 18" and 24", each model is available in propane and natural gas. Choose from two types of controls: *Variable Manually Controlled Models* - Allow you to choose any heat setting and flame height desired by simply turning the control knob. *Remote Control "Ready" Models* - Offer you heat at the push of a button or the flip of a switch. FMI's Remote Control Ready Heaters offer you the choice of four types of remote controls as well as the ability to operate the log heater with a variable manual control. Optional remote accessories include: the hand held thermostatic remote control, the hand held on/off remote control, the wall mount thermostat control and the wall mount on/off switch.

FMI Vent-Free Gas Logs install in any masonry, manufactured solid fuel burning fireplace, or AGA or UL certified Vent-Free Universal Firebox. All (manual variable) log heaters are also listed to the ANSI Z21.60 Vented Log Decorative Standard.

Safety Features Built Into Every Gas Log Heater

FMI Vent-Free Gas Log Heaters are designed certified by the American Gas Association (ANSI Z21.11.2) and meet or exceed all regulations and safety performance standards for vent-free gas heaters. Additionally, these log heaters perform well within nationally recognized guidelines for indoor air quality.

The dual-purpose safety pilot system protects against oxygen depletion and any interruption in the fuel supply. If either occurs, it shuts off the gas flow to the burner turning the heater off. An internal pressure regulator controls fluctuations in your gas pressure. These features ensure clean and reliable heat without the worry and inconvenience of vented gas logs or burning wood.

Log Size	No. of Logs	Part/Model Number		Btu Output	Shipping Wt.
		Natural	Propane		
Variable Manually Controlled Models					
18"	5	01984/VFN18MV	01985/VFP18MV	16,000 to 26,000	26 Lbs.
24"	6	01986/VFN24MV	01987/VFP24MV	20,000 to 33,000	28 Lbs.
Remote Control Ready/Millivolt Models					
18"	5	01988/VFN18R	01989/VFP18R	16,000 to 26,000	32 Lbs.
24"	6	01990/VFN24R	01991/VFP24R	20,000 to 33,000	34 Lbs.
Remote Control Accessories (Must be purchased Separately)					
Part/Model Number		Description			
01994/FHRCT		Receiver and Hand Held Thermostat Remote Control Kit			3 Lbs.
01995/FHRC		Receiver and Hand Held On/Off Remote Control Kit			3 Lbs.
01996/FWMT1		Wall Mount Thermostat Control Kit			1Lb.
01997/FWMS2		Wall Mount - On/Off Switch Kit			1Lb.
Accessories					
01244/HDABK		Hood - Flat Black Enamel - Adjustable 28" to 49"			5 Lbs.
01245/HDABR		Hood - Polished Solid Brass - Adjustable 28" to 49"			5 Lbs.

Log Sizing Requirements

Minimum Firebox Size					Gas Connection
Log Size	Height	Depth	Front Width	Rear Width at 14" Depth	
18"	17"	14"	20"	20"	1/2" NPT
24"	17"	14"	26"	21"	1/2" NPT

A fireplace hood accessory may be required to deflect heat away from the mantel shelf. Fits fireplace openings from 28" to 49" wide. Installs easily with glass doors or to the lintel of the fireplace opening. Refer to the Ember Master Vent Free Gas Log Owners Manual for more details.

IMPORTANT

- Installation must be done by qualified service persons
- Read Owners Manual before using.
- Check local codes and ordinances for permitted uses.
- Approved for manufactured (mobile) home installation. Not for use in recreational vehicles.
- We reserve the right to amend product specifications without notice.
- Use with adequate air (ventilation) only. Humidifies while it heats.
- Provides water vapor in the area heated. Refer to Owner's Manual for specifics.
- Operating heater at very high elevations could cause nuisance outages. Product cannot be converted between fuel types.
- The only warranty we offer is our standard warranty.
- Please read the warranty for any limitations or disclaimers.
- All products carry a one year warranty.

Made in U.S.A

gama

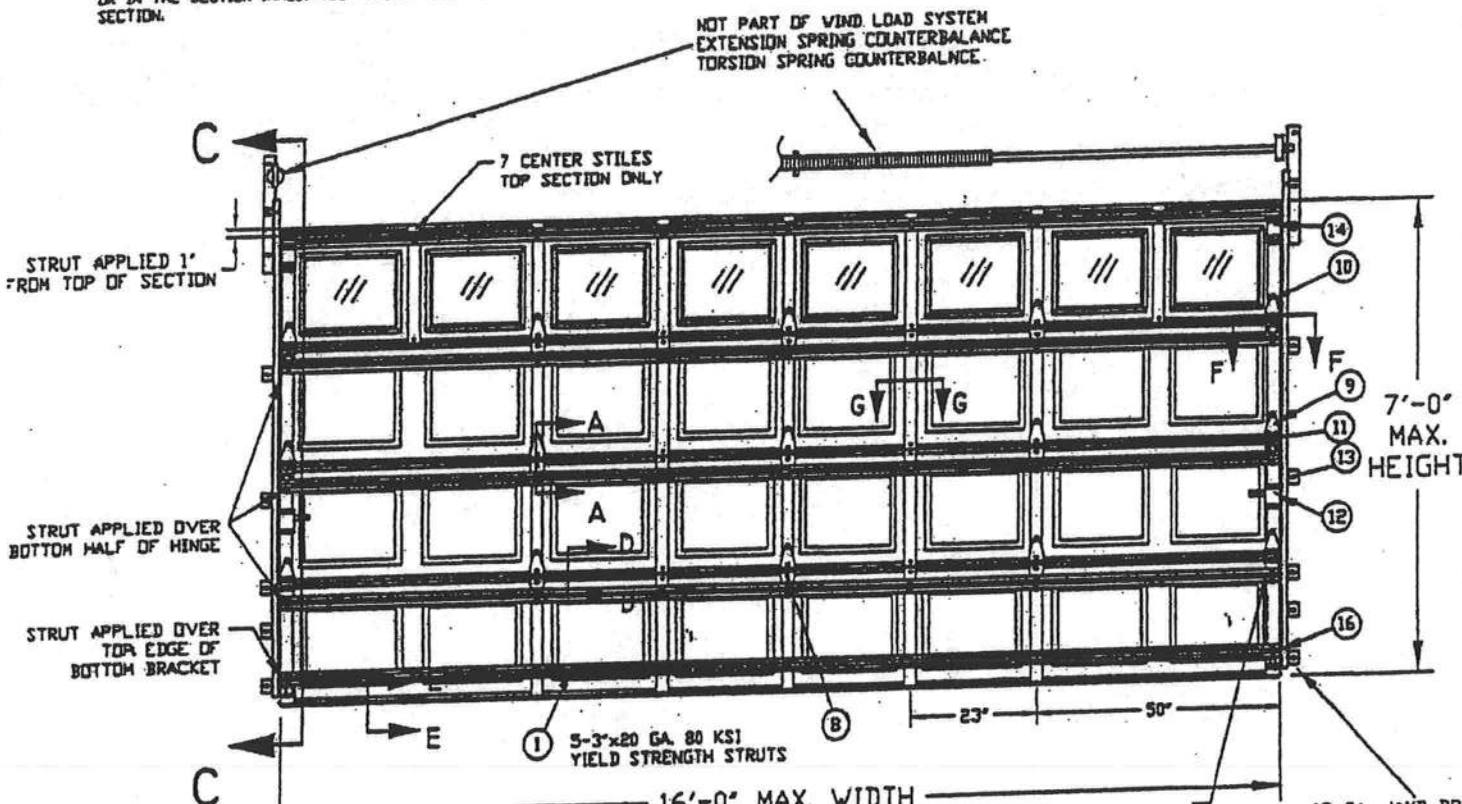
Fireplace Manufacturers Incorporated

For More Information Call 1-800-888-2050

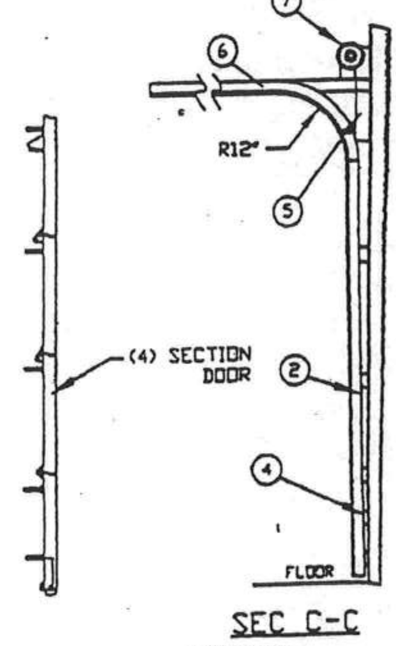
P.N.#55488 5/99 Printed in U.S.A.
http://www.fmionline.com

NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
2. MAXIMUM SECTION HEIGHT= 21"
3. SECTION HEIGHTS OF 21.00" AND 19.50" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS.
4. WINDOWS MAY BE INSTALLED IN THE TOP SECTION. (AS TESTED WITH 1/8" DSB GLASS OR EQUIVALENT) OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MINIMUM LENGTH OF ROLLER STEM IS 5¼" (7" AS TESTED)
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR SHOWN.
7. STRUTS SECURED AT ALL LOCATIONS WITH TEK SCREWS.
8. QUANTITY OF SIDE LOCKS CAN BE 0,1, OR (2 AS TESTED).
9. △ DROP IN TYPE OF INSULATION IS OPTIONAL



INSIDE ELEVATION



SEC C-C

VERTICAL TRACK, (16 GA.)

12 GA. JAMB BRACKETS, MAXIMUM SPACING = 19-1/2" WITH LOWEST BRACKET APPROX. 3" FROM FLOOR, 2ND BRACKET NEAR THE HORIZONTAL ℄ OF THE BOTTOM SECTION, AND 3RD BRACKET NEAR THE TOP OF THE BOTTOM SECTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL PE No. 024280 NASER R. KEYVAN

The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configuration(s) of dimensions and installation(s) of the door as tested.

LISTED
REPORT No. 2202

TEST REPORTS ON FILE VIDEO 10/19/00 (00293)

DESIGN LOAD +20.0 PSF & -20.0 PSF
TEST LOAD +30.0 PSF & -30.0 PSF

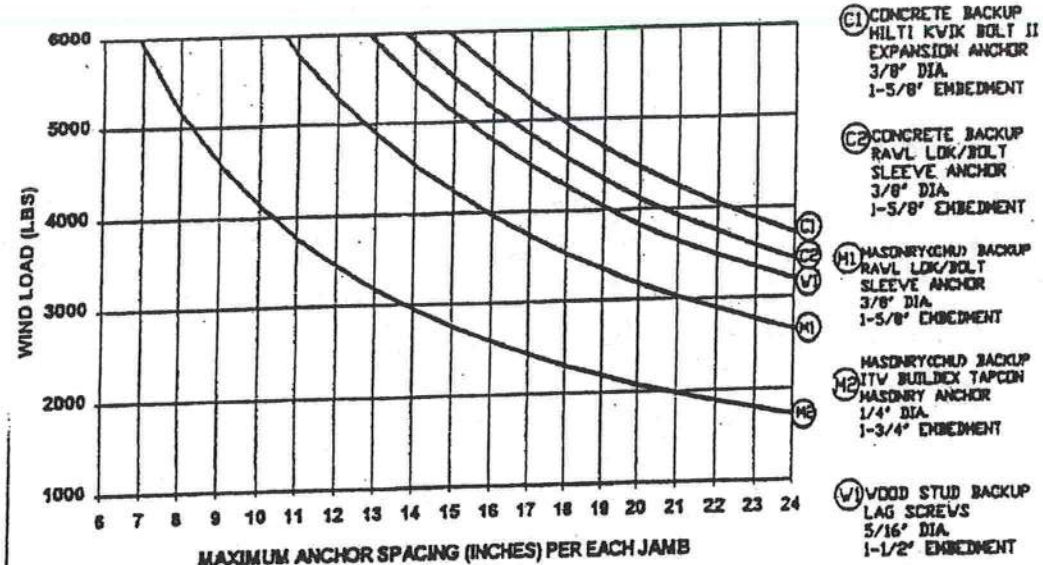
GADCO DOORS
SERIES 7400, EXTERIOR STEEL =.017 MIN (AS TESTED)
SERIES 7825, EXTERIOR STEEL =.019" MIN △
SERIES 7524, EXTERIOR STEEL =.024" MIN △
(TESTED WITH WINDOWS

MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CTR. STILE SPACING	STRUTS 80 KSI SIZE	STRUTS 80 KSI QTY.	VERTICAL TRACK
16'	7'	23"	3"	5	2 IN.

GADCO
GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

SCALE: NTS	APPROVED BY:	DRAWN BY: B. VICZMAN
DATE: 10-20-00		REVISED: (A) 11-10-00
DESCRIPTION: 16' X 7' MAX. RAISED PANEL STEEL DOOR - WINDLOAD ±20 PSF		
PART NUMBER:	PAGE 1 OF 2	DRAWING NUMBER: W13220-1

WIND LOAD vs ANCHOR SPACING



(C1) CONCRETE BACKUP HILTI KWIK BOLT II EXPANSION ANCHOR 3/8" DIA. 1-5/8" EMBEDMENT

(C2) CONCRETE BACKUP RAWL LOK/BOLT SLEEVE ANCHOR 3/8" DIA. 1-5/8" EMBEDMENT

(M1) MASONRY(CMU) BACKUP RAWL LOK/BOLT SLEEVE ANCHOR 3/8" DIA. 1-5/8" EMBEDMENT

(M2) MASONRY(CMU) BACKUP ITW BUILDEX TAPCON MASONRY ANCHOR 1/4" DIA. 1-3/4" EMBEDMENT

(V1) WOOD STUD BACKUP LAG SCREWS 5/16" DIA. 1-1/2" EMBEDMENT

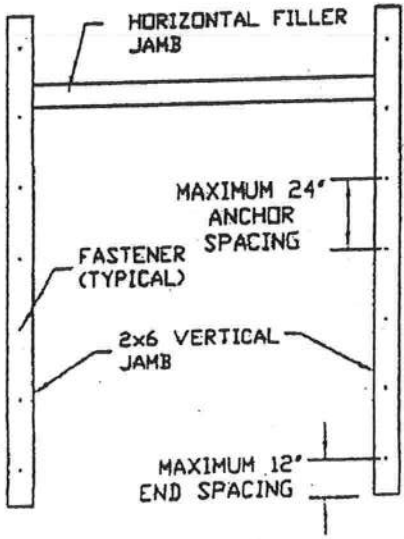
DESIGN LOAD (LBS/FT²) X GARAGE DOOR AREA(WIDTH-FT X HEIGHT-FT) = WIND LOAD(LBS)

EXAMPLE

30 LBS/FT² X (16 FT WIDE X 8 FT HIGH) = 3840 LBS

- (C1) USE 22" SPACING
- (C2) USE 21" SPACING
- (V1) USE 19" SPACING
- (M1) USE 16" SPACING
- (M2) USE 10" SPACING

SEE NOTE 11 FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS



NORTH CAROLINA PROFESSIONAL SEAL PE No. 024280 ENGINEER NASER R KEYVAN

3/8/2002

NASER R KEYVAN 53774 STATE OF FLORIDA PROFESSIONAL ENGINEER

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2x6 PRESSURE TREATED (GRADE #2 OR BETTER SOUTHERN PINE) WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER 'HURRICANE' POSTS.

2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCCI 'STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION SSTD 10,' CURRENT EDITION.

3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.

4) WOOD FRAME BUILDINGS: STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2X6 PRESSURE TREATED SOUTHERN PINE (#2 GRADE OR BETTER) WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.

5) REINFORCED CMU OR CONCRETE: 2X6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2150 PSI; GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI; REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.

7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS (CMU) SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM SPACING OF 3-3/4"

8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2X6 WALL STUDS.

9) WASHERS ARE REQUIRED ON ALL FASTENERS.

10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 18' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.

11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS, ADD AN ADDITIONAL 2X6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.

GADCO

GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

SCALE NONE	APPROVED BY	DRAWN BY DW
DATE 8-30-99		REVISED
DESCRIPTION JAMB TO STRUCTURE ATTACHMENT FOR WIND LOADED GARAGE DOORS		
	MASTER DRAWING NUMBER A10560	DRAWING NUMBER

Energy Saving Products

The Texan

Manufacturing Facility
Jasper, Florida
Phone: 386-792-1121
Fax: 386-792-0712
Sales E-mail: sales@espfl.com
Web Page: www.espfl.com

"Our Name Says It All"

Series 130-131

Single Hung Window Integral Fin

FEATURES

CLEANING SIMPLICITY: Sash tilts inward to interior for easy cleaning of glass exterior.

SPECIFICATION CONFORMANCE: Meets and exceeds the A.N.S.I./A.A.M.A. Specifications and Quality Certified by laboratory testing and in plant inspection. Meets Specification DP35/50.

RIGID CONSTRUCTION: All members are mortise-coped to provide interfitting and joined with plated steel screw fasteners. Sash bottom latch rail is tubular for added structural strength against twisting and bowing. Meeting rails inter-lock to assure weatherstrip compression.

Integral extruded stiffener appendages have been added to sash horizontal rails for added resistance to high velocity winds.

FINGER TOUCH LOCKING: Cam latches engage an integral part of frame for security protection.

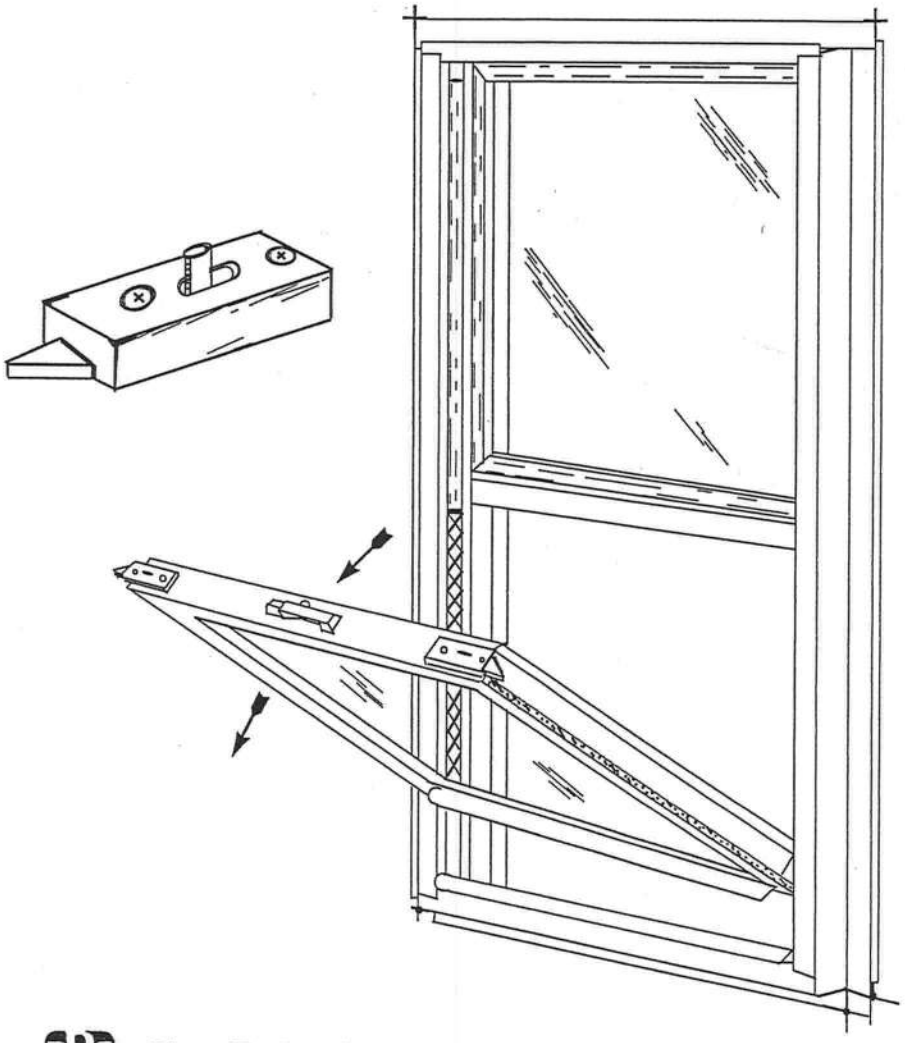
MULTIPLE GLAZING OPTIONS: May be glazed with single or double strength glass or with 1/2" Sealed Insulating Glass.

COLONIAL MUNTINS: Available in various grid patterns for aesthetic appeal. Sealed Insulating Glass has the muntin grid located between the glass to facillitate ease of cleaning.

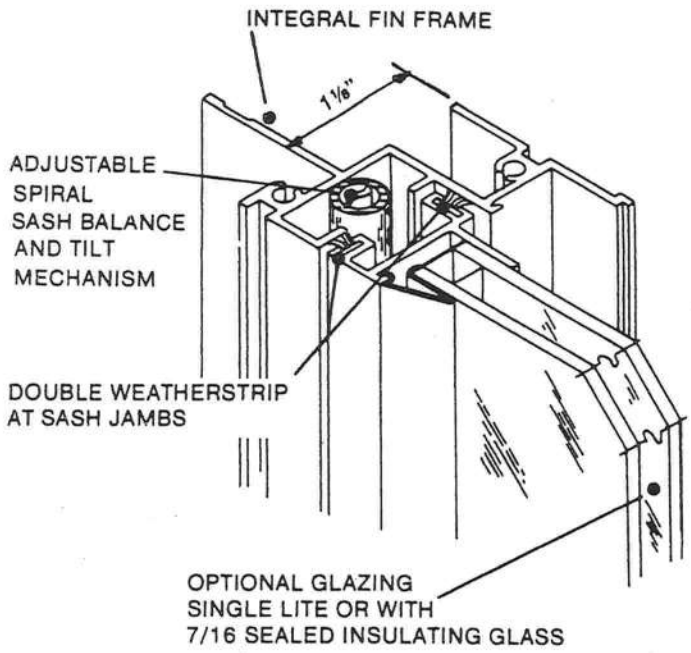
MATCHING PICTURE WINDOW: Choose from a variety of types and sizes to match vented windows.

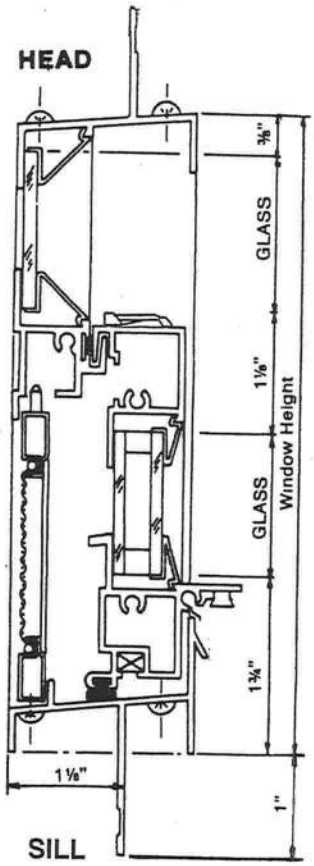
BAKED ENAMIL FINISH: Available in White or Bronze Acrylic painted finish to match any decor and enhance the beauty of the architecture.

EASY INSTALLATION: One inch nailing fin simplifies installation. Fin also doubles as a flashing around the exterior wall opening



PPG Glass Technology
Since 1883





CERTIFIED

FMA Keystone Certification Program
Accredited By:
American National Standards Institute
Std: ANSI/AAMA/WDMA 101/IS2 - 97

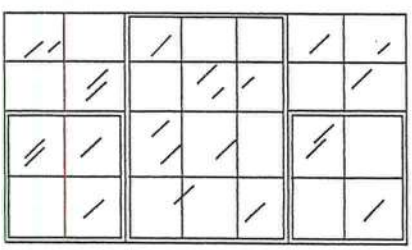
Man'f Code: E-076-1
Model: The Texan
Designation: DH-R35/50
4664/3254

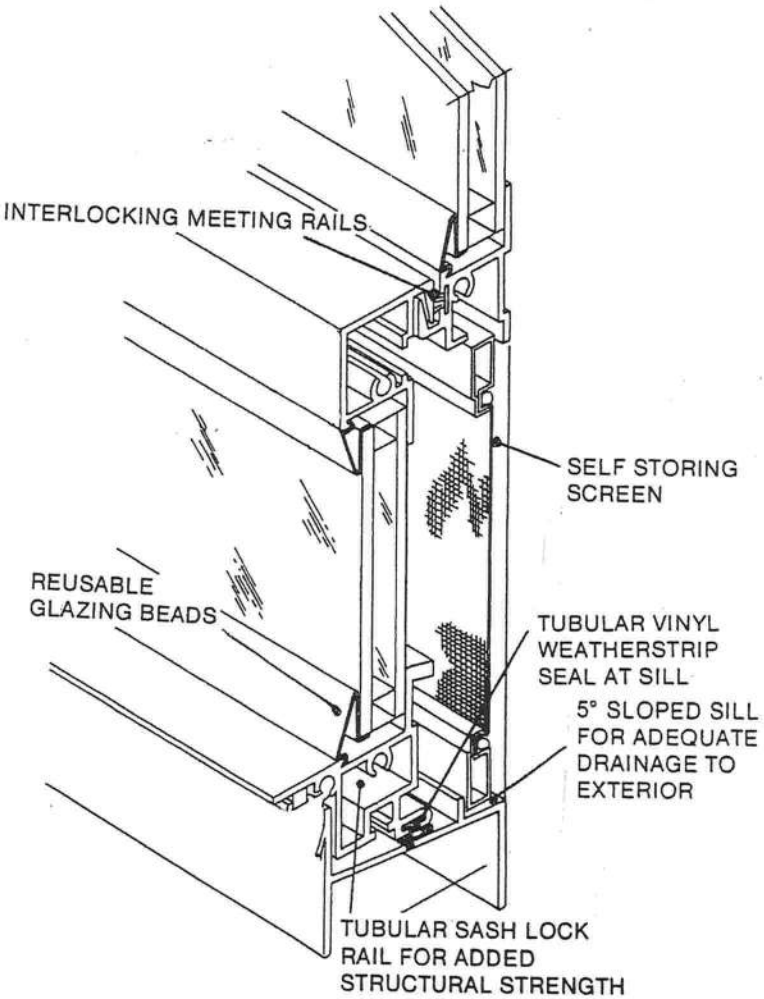
WINDOW WIDTH

20 & 24	24,28 30, 34	34 & 38		30	40	50	60
				Number of Lites			
2/2 4/4	2/2 6/6	2/2 8/8	30	12	16	20	24
2/2 4/4	2/2 6/6	2/2 8/8	38	12	16	20	24
2/2 4/4	2/2 6/6	2/2 8/8	40	12	16	20	24
2/2 4/4	2/2 6/6	2/2 8/8	44	12	16	20	24
2/2 4/4	2/2 6/6	2/2 8/8	50	12	16	20	24
3/2 6/4	3/2 9/6	3/2 12/8	60 ORIEL	15	20	25	30
VENTED				PICTURE			

STANDARD MUNTIN GRIDS

MULLED UNIT

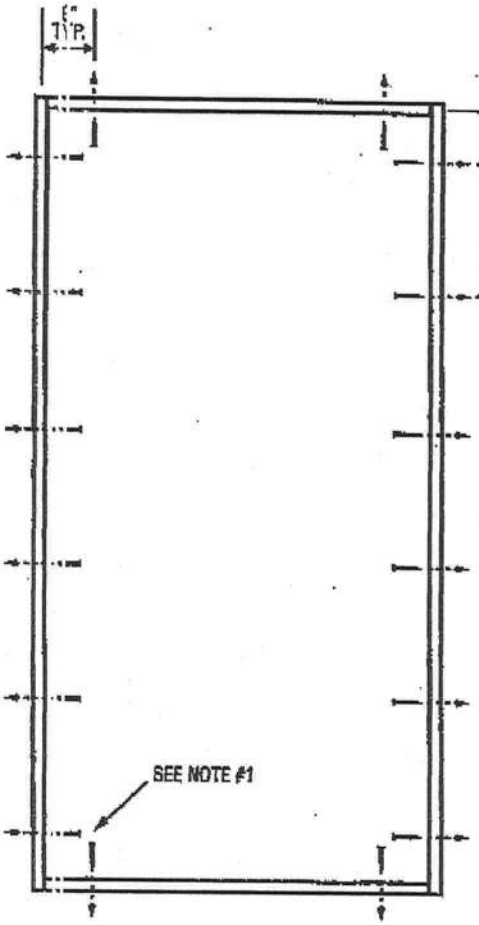




X
Unit

MID-WL-MA0001-02

SINGLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 2 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information – available from the ITS/WH website (www.etsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 0246*, 0266*, 3241*, 3246, 3261* or 3266**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

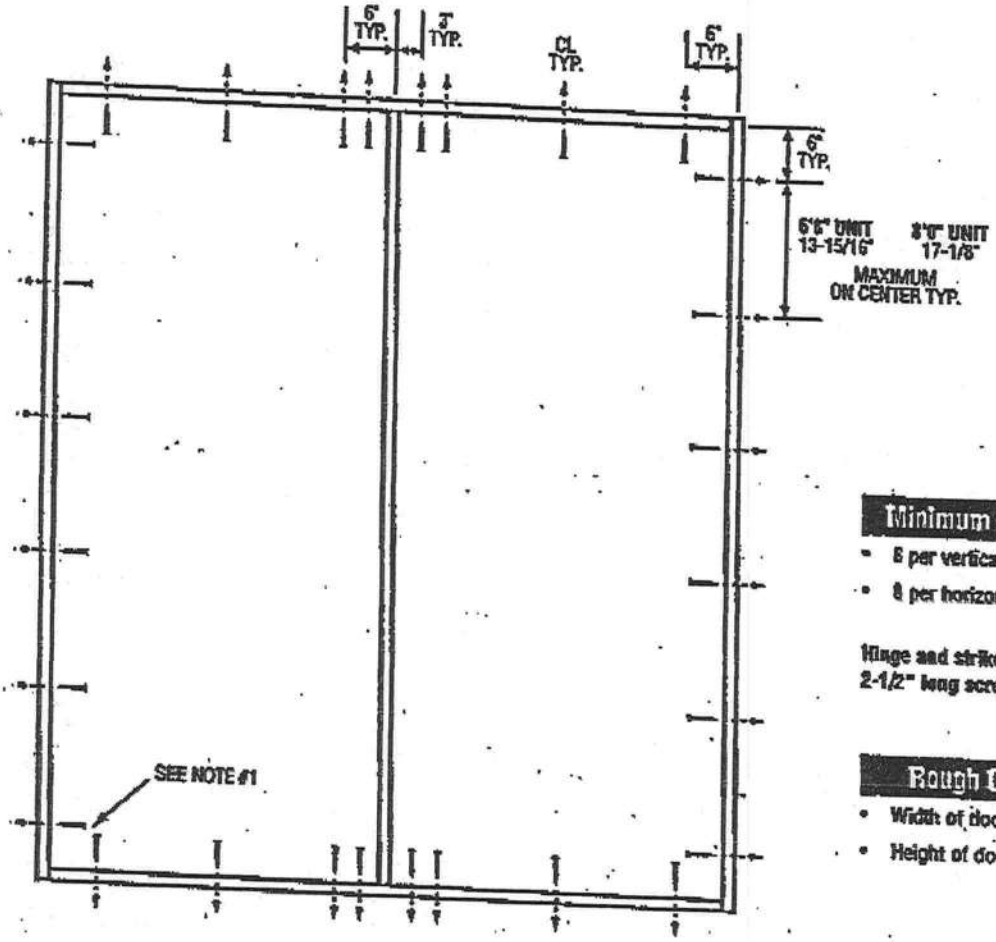
1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons. Threshold fasteners analyzed for this unit include #8 and #10 wood screws, 3/16" Tapcons, or Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

Masonite®

KX
Unit

MID-WL-MA0002-02

DOUBLE DOOR



Minimum Fastener Count

- 5 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITW/WH website (www.elcoamco.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 8247*, 8267*, 3242*, 3247, 3262* or 3267**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

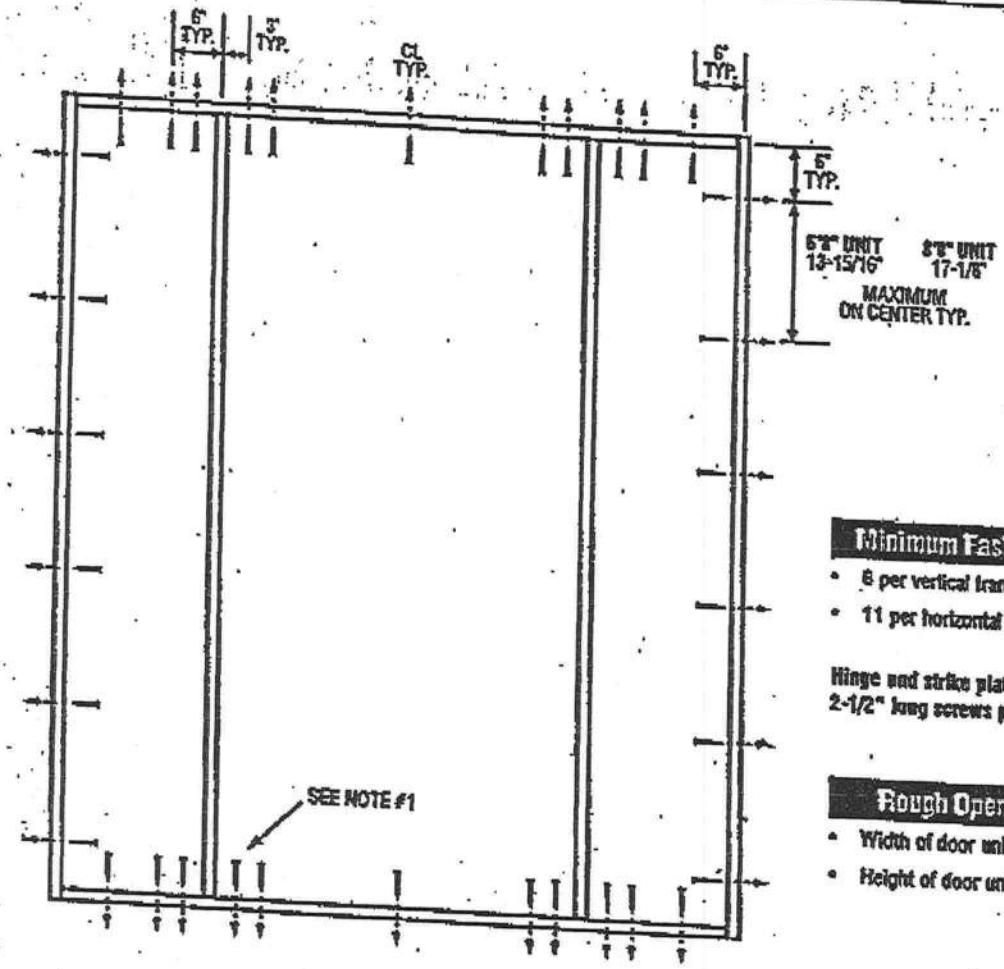
1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons. Threshold fasteners analyzed for this unit include #8 and #10 wood screws, 3/16" Tapcons, or Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

Masonite

OXO
Unit

MID-WL-MA0004-02

SINGLE DOOR WITH 2 SIDELITE



Minimum Fastener Count

- 8 per vertical framing member
- 11 per horizontal framing member

Hinge and strike plates require two 2-1/2" lag screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

"Masonite Nation" Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITW/WM website (www.elcowin.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 0249*, 0259*, 3244*, 3249, 3264* or 3269**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons. Threshold fasteners analyzed for this unit include #8 a #10 wood screws, 3/16" Tapcons, or Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickne 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

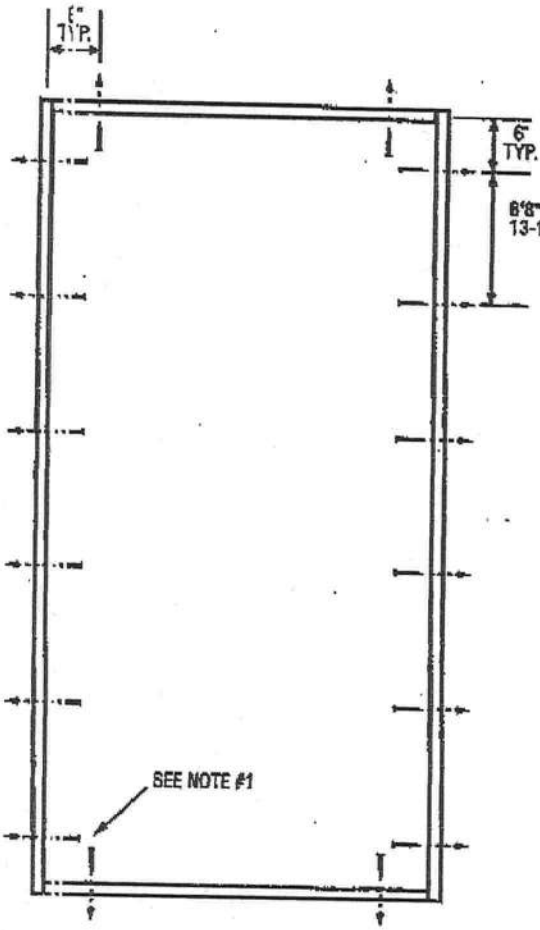
March 10, 2003
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

Masonite

X
Unit

MID-WL-MA0001-02

SINGLE DOOR



Minimum Fastener Count

- 6 per vertical framing member
- 2 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information – available from the ITS/WH website (www.etlsenko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

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- **UNITS COVERED BY COP DOCUMENT 0246*, 0266*, 3241*, 3246, 3261* or 3266**
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

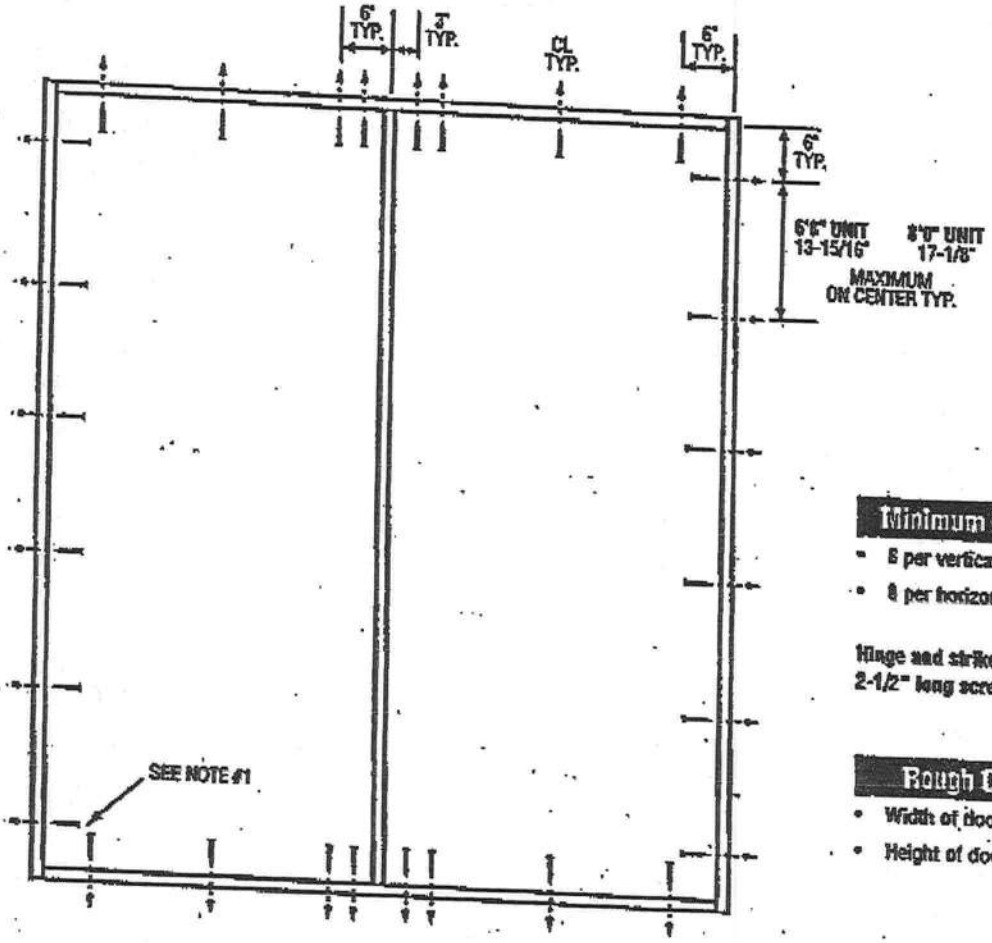
1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons. Threshold fasteners analyzed for this unit include #8 and #10 wood screws, 3/16" Tapcons, or Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

Masonite

XX
Unit

MID-WL-MA0002-02

DOUBLE DOOR



Minimum Fastener Count

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

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Warnock Hersey — Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.etsinemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- UNITS COVERED BY COP DOCUMENT 8247*, 8267*, 3242*, 3247, 3262* or 3267
  Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

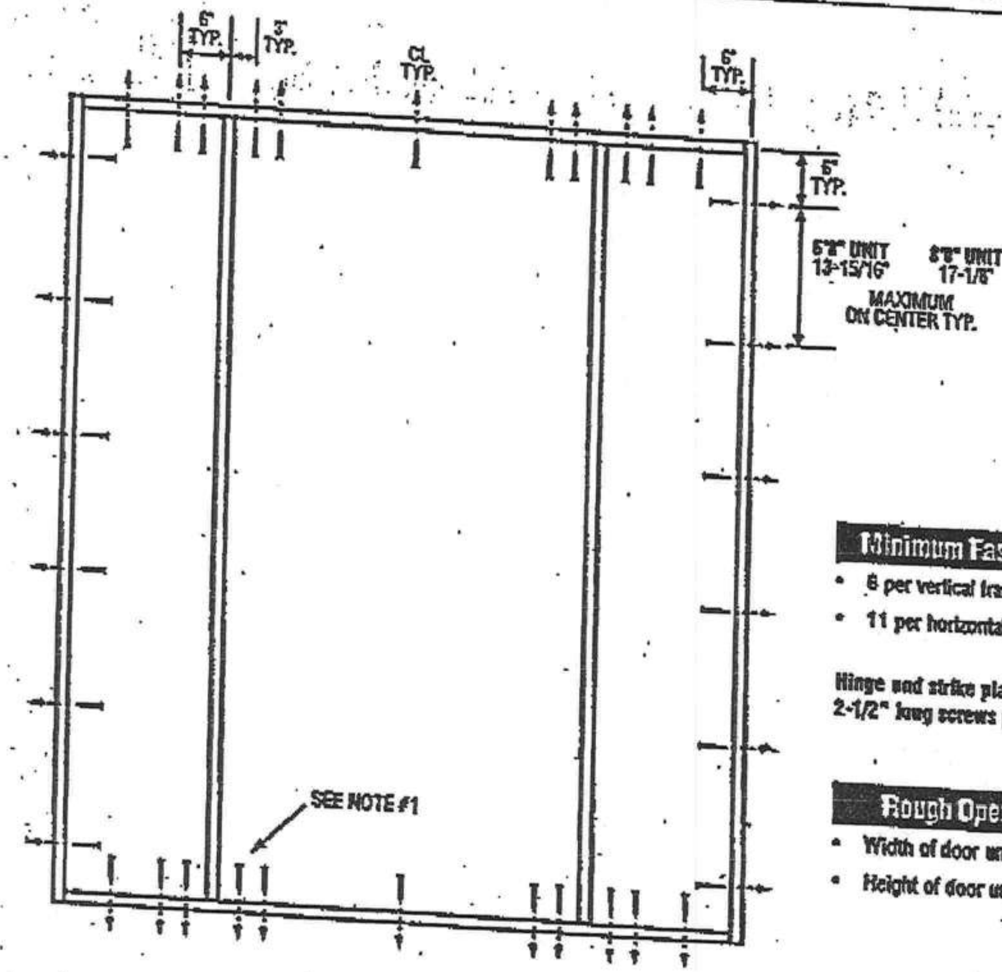
1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons. Threshold fasteners analyzed for this unit include #8 and #10 wood screws, 3/16" Tapcons, or Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

Masonite

OXO
Unit

MID-WL-MA0004-02

SINGLE DOOR WITH 2 SIDELITE



Minimum Fastener Count

- 6 per vertical framing member
- 11 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITS/WH website (www.etlsemko.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- UNITS COVERED BY COP DOCUMENT 0249*, 0269*, 3244*, 3249, 3264* or 3269
  Compliance requires that 6" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

*Based on required Design Pressure – see COP sheet for details.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons. Threshold fasteners analyzed for this unit include #8 and #10 wood screws, 3/16" Tapcons, or Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade Country approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

March 10, 2003
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

Masonite

GTC DESIGN GROUP

PROJECT NAME: GATEWAY DEVELOPEMT
PROJECT NUMBER: PF05-033

WIND LOAD AND STRUCTURAL CALCULATIONS FOR

GATEWAY DEVELOPMENT, LLC
"MacKenzie" MODEL HOME
LOT 14
ARBOR GREENE @ EMERALD LAKES

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3/05

GARY GILL, PE
GTC DESIGN GROUP, LLC
P.O. BOX 187
LIVE OAK, FL 32064
386-362-3678
386-362-6133 (FAX)
AUTH. # 9461

Project name:	MacKenzie Windload Analysis
Project:	PF05-034
Client	Gateway Dev
Calculations:	Gary Gill, PE
Date:	4/7/2005

Design Basis

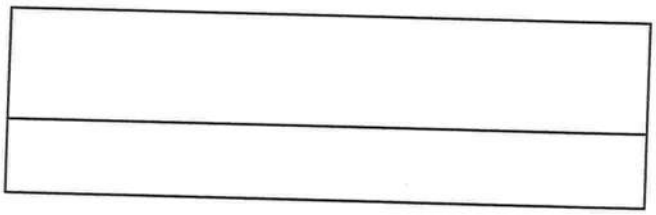
Design Loads

Wind Load	110	
Floor Live Load		
	Sleep Areas =	30 psf
	All Others =	40 psf
Floor Dead Load		10 psf
Wall Dead Load		10 psf
Roof Live Load		20 psf
Roof Dead Load		10 psf

Load Combinations

DL + LL(floor) + LL (roof)
DL + LL(floor) +WL
DL + WL
Wind load

Exposure B



Building Information

Shape	Rectangle
Length	46.17 ft
Width	56.4 ft
Type	1 storey sog

References

2001 Florida Building Code
ASCE 7-98 Minimum Design Loads for Buildings and Other Structures
AITC Timber Construction Manual

Calculation / Design Summary

		Hardware / Nailing requirement
Truss / Rafter Assembly		
Truss1		
Uplift max =	1305.00 lb	Simpson H10 Capacity= 1490 lb
* per truss manufactor		
Stud uplift		
Uplift =	870.00	Simpson SP4 @ 32" 0.C. Capacity= 442.5
Shearwalls		
Max. shearwall load =	262 plf	8ft wall -8d nails @ 4" 0.C Capacity = 525 * increase 1.4 for wind
Roof Diaphragm		
Perpendicular to roof		
Shear =	48.23 lb/in	8d @ 6 in. edges, 8d @ 12 in. field capacity = 252 lb/in (unblocked)
Parallel to roof		
Shear =	106.21 lb/in	8d @ 6 in. edges, 8d @ 12 in. field capacity = 252 lb/in (unblocked)

Project Name	MacKenzie Windload Analysis	Date	4/7/2005
Project Number	PF05-034		
Client	Gateway Development		

Windloading

LOAD SHEET DATA

WALL LOADS

Dead	8 psf
Wall heigth	8 psf

DATA SHEET

Wind	110 mph
Building Length	63 ft
Building Width	46 ft
Type	1 storey sog

PERFORATED SHEARWALLS (WOOD FRAMED WALLS)

1st Floor Height
2nd Floor height

Surface1	12.49	psf
Surface2	6.58	psf
Surface3	-4.22	psf
Surface4	-3.21	psf
Surface5	9.79	psf
Surface6	-1.86	psf

Shearwall Design - N/S Direction

Rigid Diaphragm Analysis

Wind load acting on building

General Data

Roof Pitch (x:12)		8	Roof Dia	14.42	
Vertical Roof height		14.00	Length of Building	63	
2nd Floor height	0		Width of Building	31.6	
1st Floor height	8				

Wind Pressure per ASCE 7- Normal to surface Case A

Windward Roof - Surface 2	6.58	psf	Wall - Leeward	12.49 psf
Leeward Roof - Surface 3	-4.22	psf	Wall - Surface 4	-3.21 psf
			Total Wall	15.7 psf

Horizontal loads from wind perpendicular to ridge (N / S)

Roof Pressure (interior)

Windward Roof Horz.(psf)	3.65
Leeward Roof Horz.(psf)	-2.34
Total	5.99
Tributary area (roof)	661.50
Roof shear values	**3962.89**

Wall Pressure - 2nd Floor

Sum. of wind. & lee. (psf)	15.7
Tributary area to each Shearwall (sf)	0.00
Wall shear values to each shearwall	**0.00**

Wall Pressure - 1st Floor

Sum. of wind. & lee. (psf)	15.7
Tributary area to each Shearwall (sf)	317.50
Wall shear values to each shearwall	**4984.75**

Total shear to top of 2nd floor (lb) per wall (actual)	**0.00**
Total shear to top of 1st floor (lb) per wall (actual)	**8947.64**

1st Floor shearwall (ft)

Number of shearwall segments in each column	1	1	
Full wall length	32.625	46.17	
Shearwall #1 length	26.33	37.2	
Shearwall #2 length	0	0	
Wall height ratio (h/b)	0.30	0.22	
Rigidities of shearwalls	10.64	15.26	
Lateral load on shearwall column (lbs) based on rigidity	**3675.80**	**5271.84**	
Percent Full-Height Sheathing Shearwall #1	80.70%	80.57%	
Shear capacity adjustment	0.9	0.9	
Shearwall rating (plf) w/ 1.4 increase for wind	483	483	
Design Shear Capacity	**11445.65**	**16170.84**	
Stress Ratio	0.32	0.33	
uplift at shear ends	**1861.40**	**1889.55**	
shear and uplift between holddown, v and u	**155.12**	**157.46**	

Anchor Bolt Shear Capacity plf			
Bolt size / spacing	24"	36"	48"
1/2" dia	422.5	281.67	211.25
5/8" dia	660	440.00	330
3/4" dia	930	620.00	465

Shearwall Design - E/W Direction

Rigid Diaphragm Analysis

Wind load acting on building

General Data

Roof Pitch (x:12)		8	Roof Dia	14.42
Vertical Roof height		14.00	Length of Building	63
2nd Floor height	0		Width of Building	31.6
1st Floor height	8			

Wind Pressure per ASCE 7- Normal to surface Case B

Windward Wall - Surface 5	9.79	psf
Leeward Wall - Surface 6	-1.86	psf
Total Wall	11.65	

Horizontal loads from parallel to ridge (E/W)

Number of Shearwall columns = 2

Roof Pressure (interior)	
Windward Roof Horz.(psf)	9.79
Leeward Roof Horz.(psf)	-1.86
Total	11.65
Tributary area (roof) to each shearwall (sf)	322.00
Roof shear values to each shearwall	**3751.30**

Wall Pressure - 1st Floor

Sum. of wind. & lee. (psf)	11.65
Tributary area to each Shearwall (sf)	294.00
Wall shear values to each shearwall	**3425.10**

Total shear to top of 2nd floor (lb) per wall (actual)	**0.00**
Total shear to top of 1st floor (lb) per wall (actual)	**7176.40**

1st Floor shearwall (ft)

Number of shearwall segments in each column	1	1
Shearwall #1 length	17.5	14
Shearwall #2 length	11.75	0
Wall height ratio (h/b)	0.46	0.57
Rigidities of shearwalls	6.82	5.26
Lateral load on shearwall column (lbs) based on rigidity	**4050.50**	**3125.90**
Percent Full-Height Sheathing Shearwall #1	0.58	0.74
Shear capacity adjustment	0.75	0.85
Shearwall rating (plf) w/ 1.4 increase for wind	483	483
Design Shear Capacity	**6339.38**	**5747.70**
Stress Ratio	0.64	0.54
uplift at shear ends	**3703.32**	**3152.16**
shear and uplift between holddown, v and u	**184.64**	**262.68**

Anchor Bolt Shear Capacity plf			
Bolt size / spacing	24"	36"	48"
1/2" dia	422.5	281.67	211.25
5/8" dia	660	440.00	330
3/4" dia	930	620.00	465

WIND98 v3-02

Wind Load Design per ASCE 7-98

Description: MacKinsey - Arbor Green
Analysis by: Gary Gill

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	110	mph
Structural Category	II	
Exposure	B	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof (Theta)	33.69	Deg
Type of Roof	Gabled	
Kd (Directonality Factor)	0.85	
Eave Height (Eht)	11.00	ft
Ridge Height (RHt)	26.25	ft
Mean Roof Height (Ht)	22.00	ft
Width Perp. To Wind Dir (B)	63.46	ft
Width Paral. To Wind Dir (L)	42.40	ft
Damping Ratio (beta)	0.02	

Red values should be changed only through "Main Menu"

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table C6-4 Values		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
l =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	0.52
Flexible Structure	No

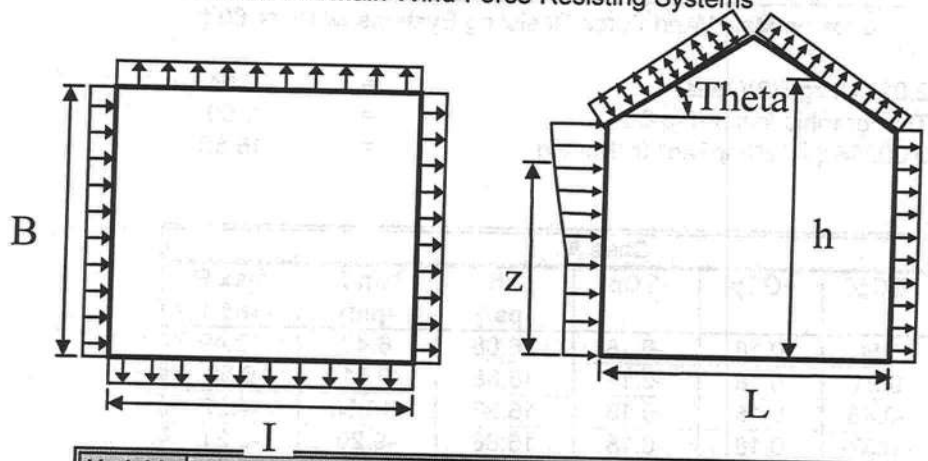
Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	Zmin	30.00	ft
Izm	Cc * (33/z)^0.167	0.3048	
Lzm	l*(zm/33)^Epsilon	309.99	ft
Q	(1/(1+0.63*((Min(B,L)+Ht)/Lzm)^0.63))^0.5	0.9002	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8661	
Gust Factor Summary			
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85	

WIND98 v3-02

Wind Load Design per ASCE 7-98

Figure 6-3 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
Kh	2.01*(Ht/zg)^(2/Alpha)	0.64	
Kht	Topographic factor (Fig 6-2)	1.00	
Qh	.00256*(V)^2*I*Kh*Kht*Kd	16.88	psf
Khcc	Comp & Clad: Table 6-5 Case 2	0.70	
Qhcc	.00256*V^2*I*Khcc*Kht*Kd	18.45	psf

Wall Pressure Coefficients, Cp	
Surface	**Cp**
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.8

Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Calculations for Wind Normal to 63.46 ft Face *Additional Runs may be req'd for other wind directions*	Cp	Pressure (psf) +GCpi	 -GCpi
Leeward Walls (Wind Dir Normal to 63.46 ft wall)	-0.50	-10.21	-4.14
Side Walls	-0.70	-13.08	-7.01
Roof - Wind Normal to Ridge (Theta>=10) - for Wind Normal to 63.46 ft face			
Windward - Max Negative	-0.20	-5.92	0.15
Windward - Max Positive	0.27	0.85	6.93
Leeward Normal to Ridge	-0.60	-11.65	-5.57
Overhang Top (Windward)	-0.20	-2.88	-2.88
Overhang Top (Leeward)	-0.60	-8.61	-8.61
Overhang Bottom (Applicable on Windward only)	0.80	10.29	10.29
Roof - Wind Parallel to Ridge (All Theta) - for Wind Normal to 63.46 ft face			
Dist from Windward Edge: 0 ft to 11 ft	-0.92	-16.17	-10.09
Dist from Windward Edge: 11 ft to 22 ft	-0.89	-15.85	-9.77

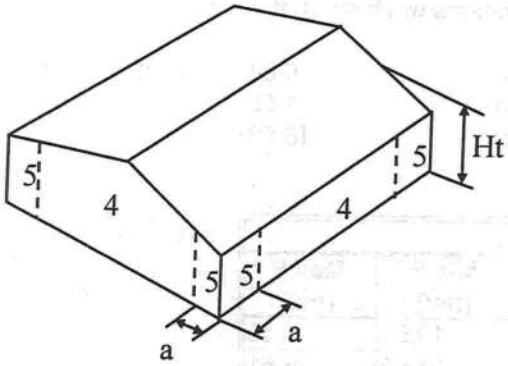
* Horizontal distance from windward edge

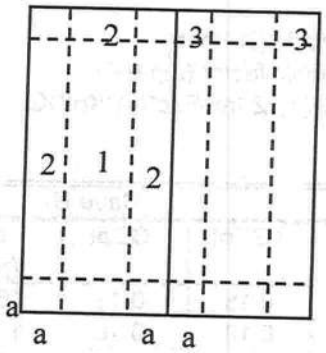
WIND98 v3-02

Wind Load Design per ASCE 7-98

Figure 6-5 - External Pressure Coefficients, GCp

Loads on Components and Cladding for Buildings w/ Ht <= 60 ft





Gabled Roof

10 < Theta <= 45

a = 4.24 ==> 4.24 ft

Component	Width (ft)	Span (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2)	
					Max	Min	Max	Min
ROOF	10	1	10.00	1	0.90	-1.00	19.92	-21.77
Walls	10	1	10.00	4	1.00	-1.10	21.77	-23.61
roof edge	10	1	10.00	2	0.90	-1.20	19.92	-25.46
Wall edge	10	1	10.00	5	1.00	-1.40	21.77	-29.15
Roof overhang	10	1	10.00	2H	0.90	-2.00	16.60	-36.89

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.
Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

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

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

23992

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB100476 Company Phone No. 386-755-3611
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Tyrone Eagle Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 219 N.W Heritage Pl
Lake City FL

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

Section 4: Treatment Information

Date(s) of Treatment(s) 5-2-06
Brand Name of Product(s) Used Dursban TC
EPA Registration No. 53883-92
Approximate Final Mix Solution % 0.25
Approximate Size of Treatment Area: Sq. ft. 296.7 Linear ft. 234 Linear ft. of Masonry Voids 234
Approximate Total Gallons of Solution Applied 674
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

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

Attachments (List)

Comments

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

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

Authorized Signature Date 5-2-06

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

Job	Truss	Truss Type	Qty	Ply	
L117440	T18	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 8.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 09:15:07 2006 Page 1

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2-0-0	6-3-10	5-10-12	2-9-10	4-10-3	4-10-3	3-0-12	3-0-12	4-11-12	5-10-8	2-0-0

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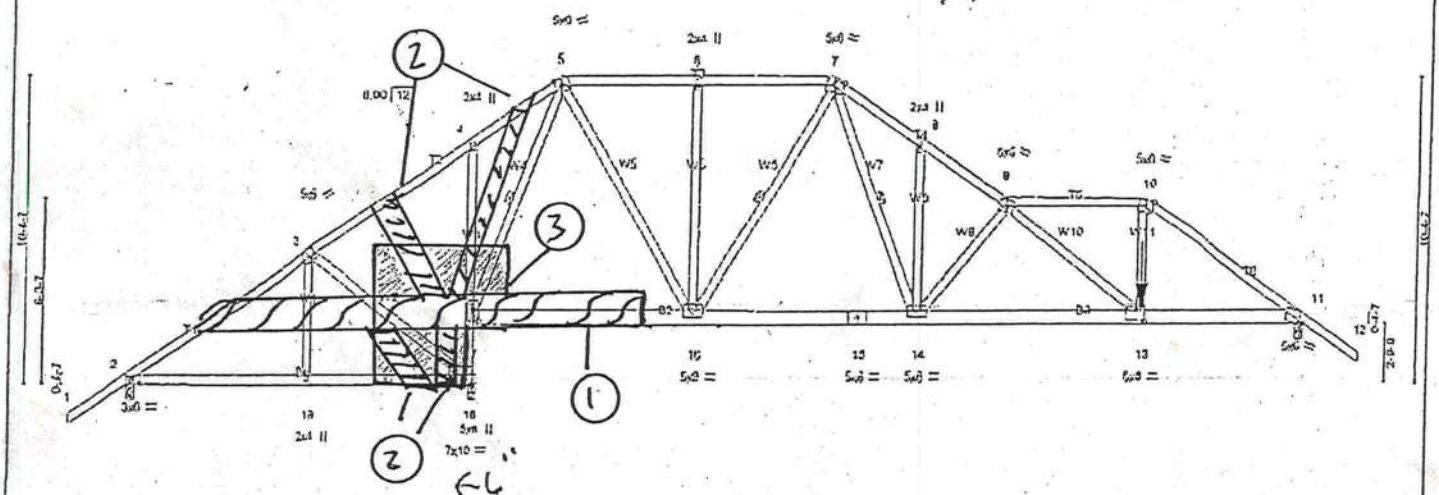

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6-3-10	5-10-12	7-7-13	7-10-15	7-11-0	0-1-8	5-10-8

Plate Offsets (X,Y): [2:0-3-8,0-1-8], [3:0-3-0,0-3-0], [10:0-2-8,Edge], [11:0-2-0,Edge], [13:0-3-8,0-4-4], [17:0-4-0,0-2-1], [18:0-3-8,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	0.51	Vert(LL)	-0.18	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.27	13-14	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.96	Horz(TL)	0.03	11	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 284 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D "Except"
B1 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-14 oc bracing.
WEBS 1 Row at midpt 5-17, 7-16, 7-14, 1-18

REACTIONS (lb/size) 2=391/0-3-8, 18=2059/0-3-8, 11=2541/0-3-8
Max Horz 2=112(load case 3)
Max Uplift2=-528(load case 5), 18=-1102(load case 3), 11=-1304(load case 5)
Max Grav2=595(load case 6), 18=2059(load case 1), 11=2541(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-528/673, 3-4=-302/492, 4-5=-75/589, 5-6=-1200/765, 6-7=-1200/785, 7-8=-2799/1526, 8-9=-2828/1394, 9-10=-3288/1660, 10-11=-3878/1997, 11-12=0/62
BOT CHORD 2-19=-408/361, 18-19=-411/365, 16-17=-222/494, 15-16=-590/1575, 14-15=-590/1575, 13-14=-1554/3532, 11-13=-1448/3218
WEBS 3-19=-213/215, 3-18=-483/531, 5-17=-1473/651, 5-16=-578/1382, 6-16=-273/295, 7-16=-728/344, 7-14=-1070/2053, 8-14=-129/212, 9-14=-1977/1060, 9-13=-313/166, 10-13=-699/1884, 17-18=-1709/775, 4-17=-241/329

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 60" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T10	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32025 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 09:15:01 2006 Page 1

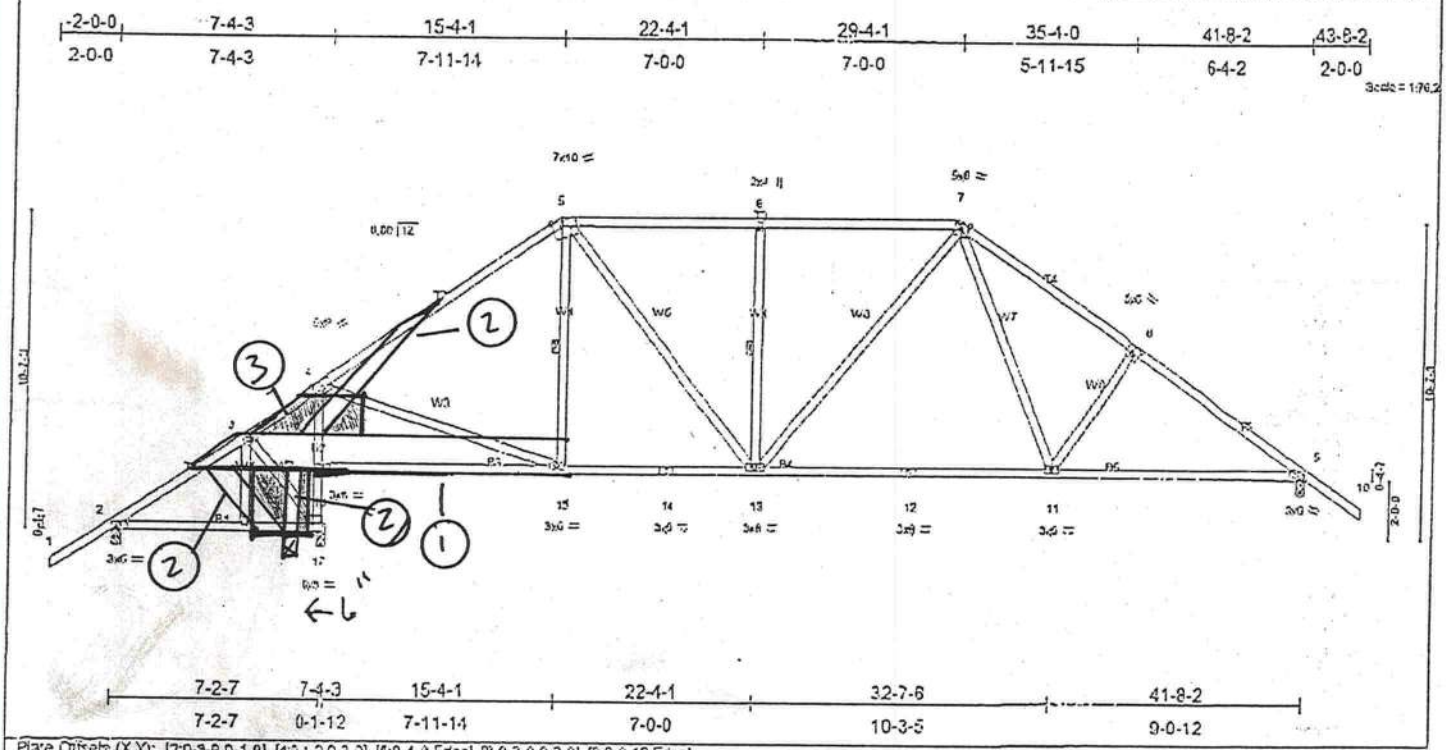

Plate Offsets (X,Y): [2:0-3-8,0-1-8], [4:0-4-0,0-2-0], [5:0-4-0,Edge], [8:0-3-0,0-3-0], [9:0-0-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.58	Vert(LL)	-0.27	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.36	11-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.65	Horz(TL)	0.05	9	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 244 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
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 4-1-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-13, 6-15

REACTIONS (lb/size) 2=368/0-3-8, 9=1058/0-3-8, 17=1783/0-3-8
Max Horz 2=424(load case 4)
Max Uplift2=-393(load case 6), 9=-630(load case 6), 17=-881(load case 4)
Max Grav2=372(load case 7), 9=1558(load case 1), 17=1783(load case 1)

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 60" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T11	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 8.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 09:15:02 2006 Page 1

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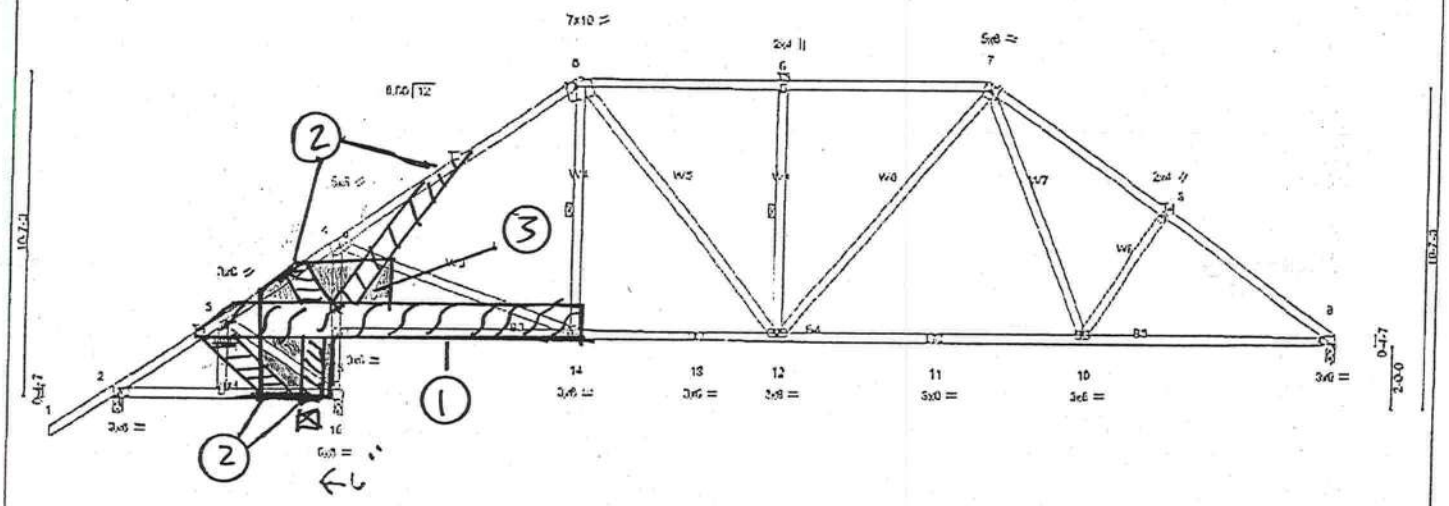


3-6-4	7-5-14 7-7-10	15-4-1	22-4-1	32-7-0	41-8-2
3-6-4	3-11-10 0-1-12	7-8-7	7-0-0	10-3-5	9-0-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	-0.28	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.37	10-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.87	Horz(TL)	0.05	9	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 240 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
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 3-10-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-14, 6-12

REACTIONS (lb/size) 9=1425/0-3-8, 2=2041/0-3-8, 16=1783/0-3-8
Max Horz 2=521(load case 4)
Max Uplift9=-816(load case 6), 2=-820(load case 6), 16=-932(load case 4)
Max Grav9=1425(load case 1), 2=387(load case 7), 16=1783(load case 1)

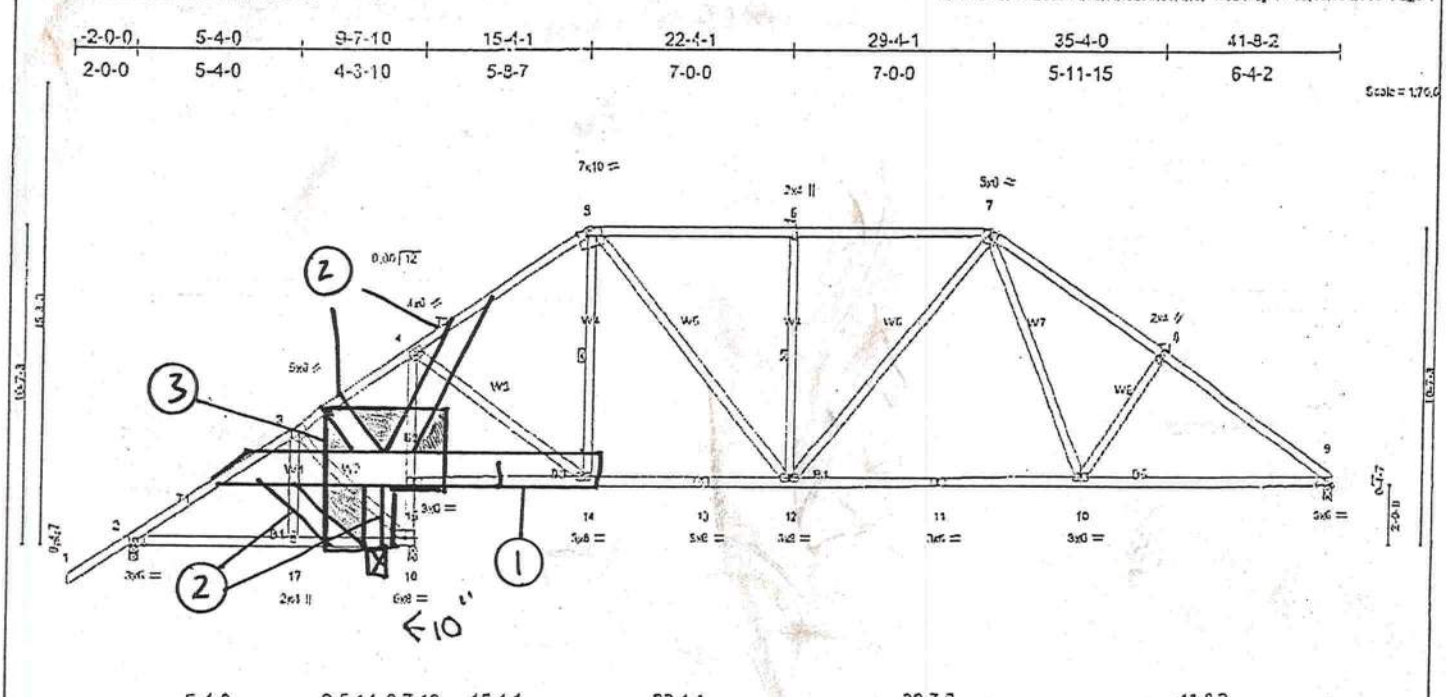
ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 60" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T12	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 09:15:03 2006 Page 1



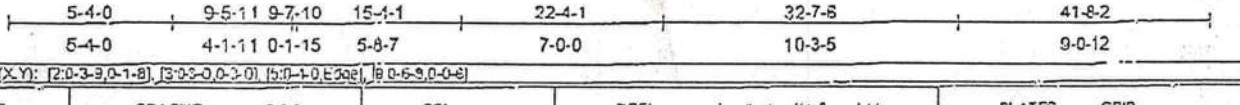


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [3:0-3-0,0-3-0], [5:0-4-0,Edge], [9:0-5-8,0-0-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.23	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.76	Vert(TL)	-0.33	10-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.88	Horz(TL)	0.04	9	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 244 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
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 4-0-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-14, 6-12

REACTIONS (lb/size) 9=1340/0-3-8, 2=475/0-3-8, 16=1777/0-3-8
Max Horz 2=451(load case 4)
Max Uplift 9=-509(load case 6), 2=-395(load case 5), 16=-543(load case 4)
Max Grav 9=1340(load case 1), 2=479(load case 7), 16=1777(load case 1)

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 72" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T13	SPECIAL	1	1	

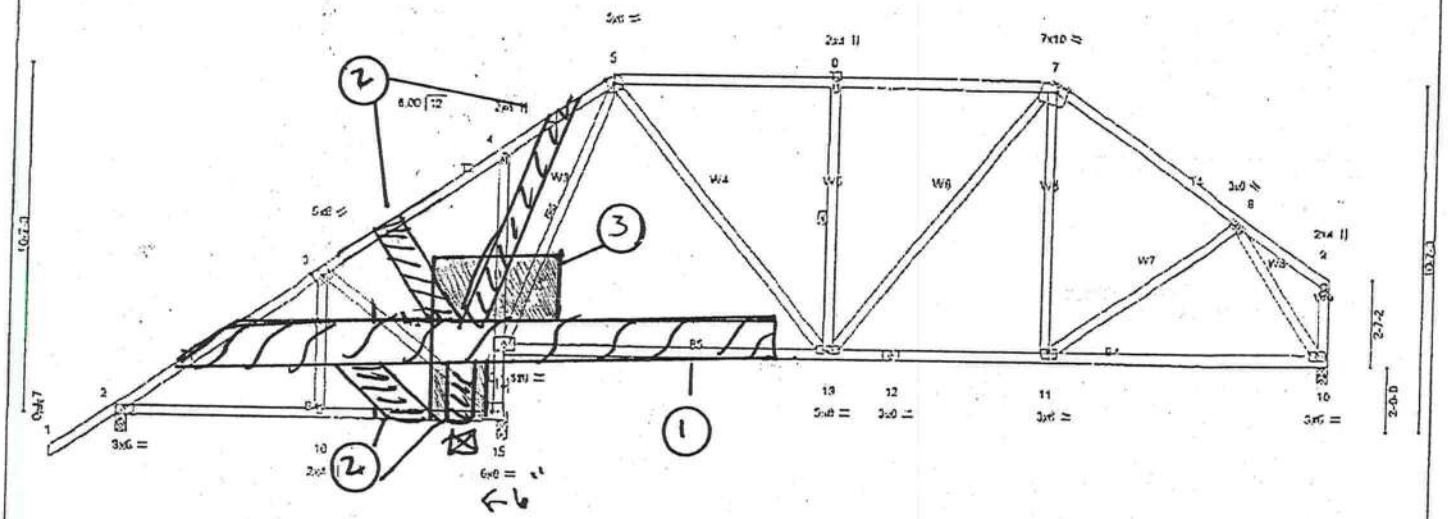
Builders FirstSource, Lake City, FL 32055 — Job Reference (optional)

8.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 09:15:04 2006 Page 1

-2-0-0 | 6-1-0 | 12-2-6 | 15-4-1 | 22-4-1 | 29-1-1 | 35-4-0 | 38-4-2

2-0-0 | 6-4-0 | 5-10-6 | 3-1-11 | 7-0-0 | 7-0-0 | 5-11-15 | 3-0-2

Scale = 1:68.0



6-4-0 | 12-2-6 | 22-4-1 | 29-4-1 | 38-4-2

6-4-0 | 5-10-6 | 10-1-11 | 7-0-0 | 9-0-1

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [3:0-2-12,0-3-0], [7:0-1-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.81	Vert(LL)	-0.21	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0.32	13-14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.78	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 242 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
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-2 oc bracing.
WEBS 1 Row at midpt 6-14, 6-13

REACTIONS (lb/size) 2=547/0-3-8, 15=1694/0-3-8, 10=1071/0-3-8
Max Horz 2=528(load case 5)
Max Uplift2=-150(load case 5), 15=-980(load case 4), 10=-444(load case 3)
Max Grav 2=647(load case 7), 15=1694(load case 1), 10=1071(load case 1)

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 72" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

Revised
5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T15	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2006 MiTek Industries, Inc. Wed May 17 08:15:05 2006 Page 1

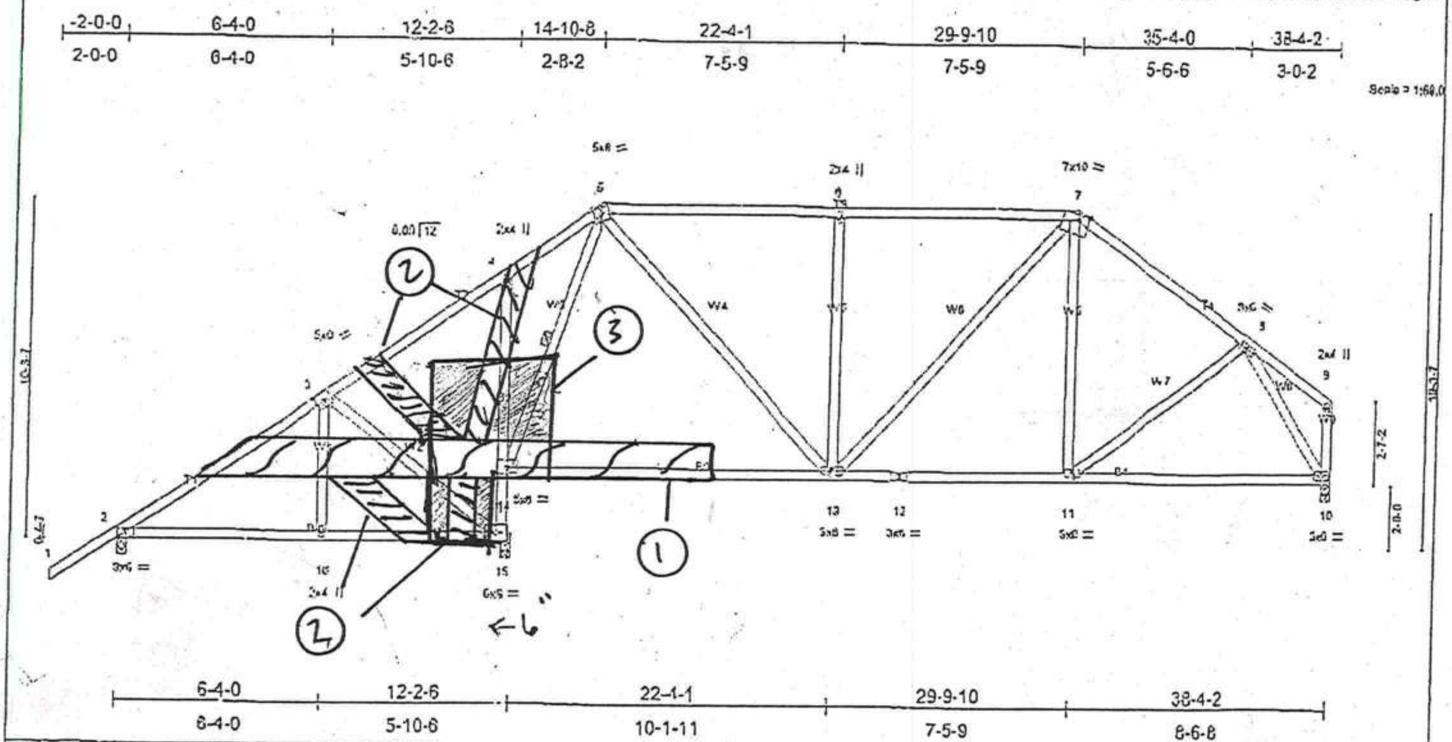


Plate Offsets (X,Y): [2:0-3-9,0-1-9], [3:0-2-12,0-3-0], [7:0-4-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	-0.21	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.31	13-14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 239 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
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 5-11-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-2 oc bracing.
WEBS 1 Row at midpt 5-14

REACTIONS (lb/size) 2=546/0-3-8, 15=1895/0-3-8, 10=1071/0-3-8
Max Horz 2=631(load case 5)
Max Uplift2=-451(load case 5), 15=-996(load case 4), 10=-157(load case 3)

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 72" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T23	SPECIAL	3	1	Job Reference (optional)

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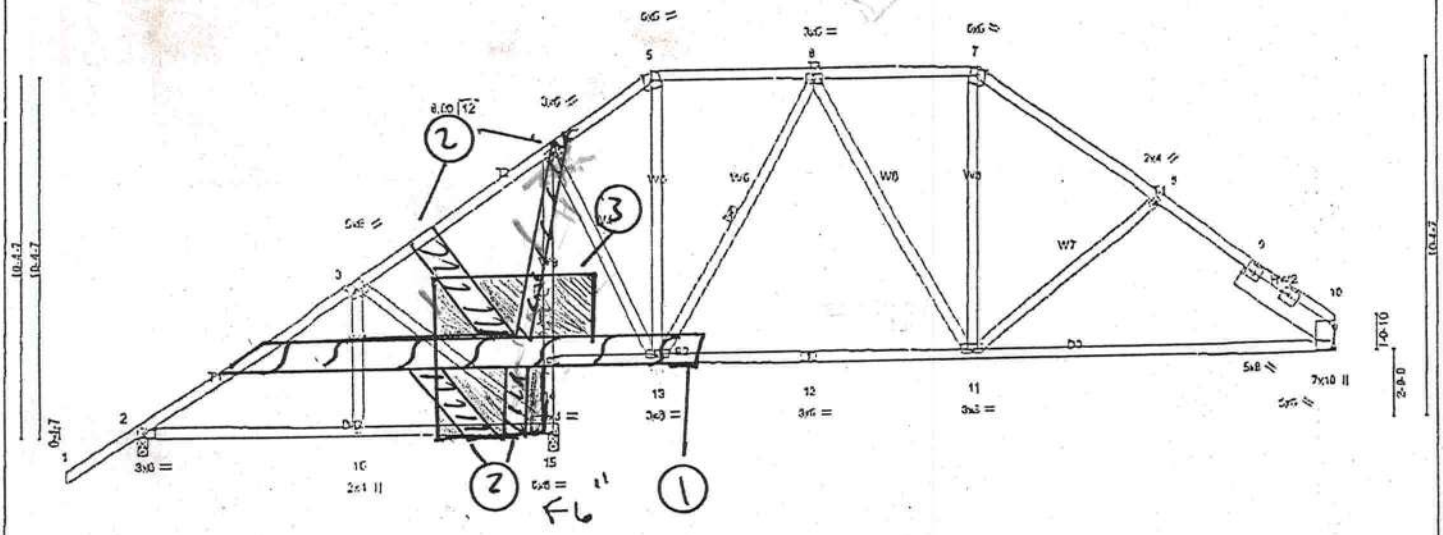
-2-0-0 | 6-4-0 | 12-2-6 | 15-0-0 | 19-10-3 | 24-8-6 | 30-0-8 | 35-8-2
2-0-0 | 6-4-0 | 5-10-6 | 2-9-10 | 4-10-3 | 4-10-3 | 5-1-2 | 5-7-10

Scale = 1:56.2



6-4-0 | 12-2-6 | 15-0-0 | 24-8-6 | 35-8-2
6-4-0 | 5-10-6 | 2-9-10 | 9-8-6 | 10-11-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.20	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.30	10-11	>957	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.42	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code	FBC2001/ANSI95	(Matrix)							Weight: 226 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Right 2 X 8 SYP No.1D 3-6-7

BRACING
TOP CHORD Sheathed or 5-11-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-0-0 oc bracing.
WEBS 1 Row at midpt 6-13, 4-15

REACTIONS (lb/size) 10=993/Mechanical, 2=809/0-3-8, 15=1499/0-3-8
Max Horz 2=442(load case 4)
Max Uplift 10=-432(load case 8), 2=-508(load case 5), 15=-853(load case 4)
Max Grav 10=993(load case 1), 2=809(load case 7), 15=1499(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/60, 2-3=-552/614, 3-4=-325/389, 4-5=-480/496, 5-6=-356/453, 6-7=-774/605, 7-8=-1004/623, 8-9=-1087/681, 9-10=-1245/683
BOT CHORD 2-16=-492/364, 15-16=-499/389, 13-14=-7/15, 12-13=-240/810, 11-12=-240/640, 10-11=-405/935
WEBS 3-16=-303/214, 3-15=-189/836, 4-13=-267/761, 5-13=-157/117, 6-13=-571/303, 8-11=-69/269, 7-11=-88/232, 8-11=-211/321, 14-15=-1145/530, 4-14=-1142/550

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 72" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T18	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 09:15:07 2008 Page 1

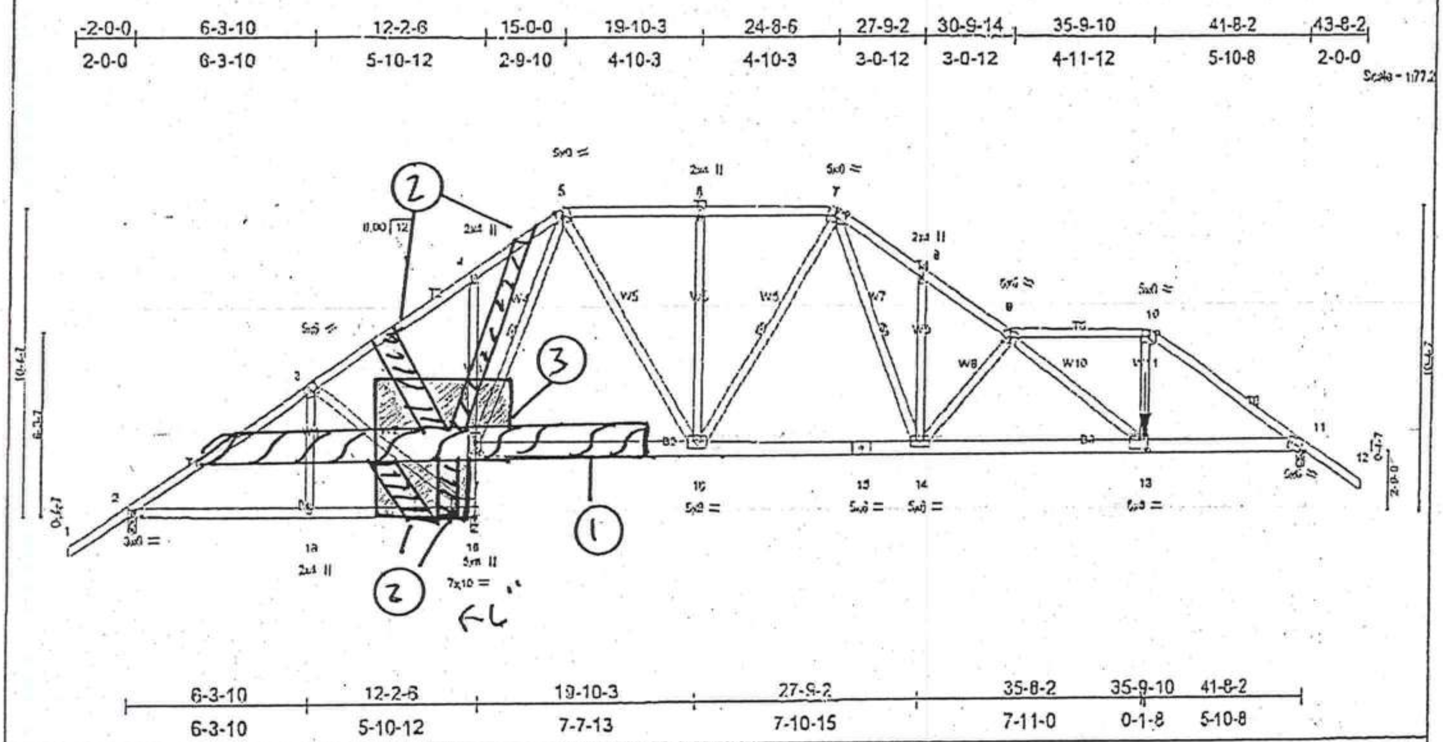


Plate Offsets (X,Y): [2:0-3-8,0-1-8], [3:0-3-0,0-3-0], [10:0-2-8,Edge], [11:0-2-0,Edge], [13:0-3-8,0-4-4], [17:0-4-0,0-2-1], [18:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	-0.19	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.27	13-14	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.96	Horz(TL)	0.03	11	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 284 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D *Except*
B1 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-8-14 oc bracing.
WEBS 1 Row at midpt 5-17, 7-16, 7-14, 4-18

REACTIONS (lb/size) 2=391/0-3-8, 18=2069/0-3-8, 11=2541/0-3-8
Max Horz 2=412(load case 3)
Max Uplift2=-528(load case 5), 18=-1102(load case 3), 11=-1304(load case 5)
Max Grav2=395(load case 6), 18=2069(load case 1), 11=2541(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-626/678, 3-4=-202/492, 4-6=-75/689, 5-6=-1200/765, 6-7=-1200/765, 7-8=-2789/1526, 8-9=-2828/1394, 9-10=-3288/1860, 10-11=-3878/1097, 11-12=0/62
BOT CHORD 2-19=-408/361, 18-19=-411/365, 16-17=-222/494, 15-16=-590/1575, 14-15=-590/1575, 13-14=-1554/3532, 11-13=-1446/3218
WEBS 3-19=-213/215, 3-18=-483/531, 5-17=-1473/651, 5-16=-578/1383, 6-18=-273/295, 7-16=-728/344, 7-14=-1070/2053, 8-14=-129/212, 9-14=-1977/1030, 9-13=-513/166, 10-13=-699/1834, 17-18=-1708/775, 4-17=-241/229

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 60" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

5/17/08

Job	Truss	Truss Type	Qty	Ply	
L117440	T10	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 08:15:01 2006 Page 1

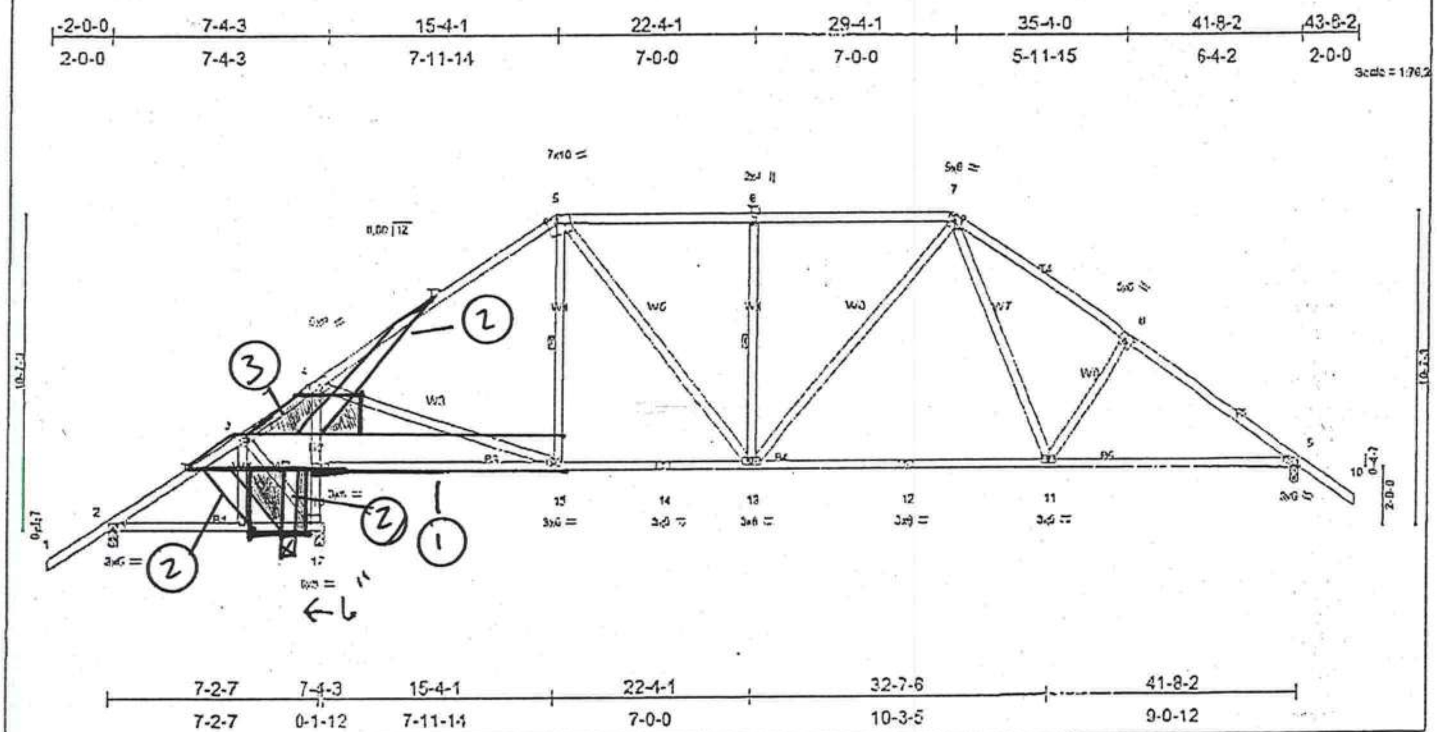


Plate Offsets (X,Y): [2:0-3-8,0-1-8], [4:0-4-0,0-2-0], [5:0-4-0,Edge], [8:0-3-0,0-3-0], [9:0-0-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.58	Vert(LL)	-0.27	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.39	11-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.65	Horz(TL)	0.06	9	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 244 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
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 4-1-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-13, 6-15

REACTIONS (lb/size) 2=369/0-3-8, 9=1550/0-3-8, 17=1783/0-3-8
Max Horz 2=424(load case 4)
Max Uplift2=-393(load case 6), 9=-630(load case 6), 17=-851(load case 4)
Max Grav2=372(load case 7), 9=1556(load case 1), 17=1783(load case 1)

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 60" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

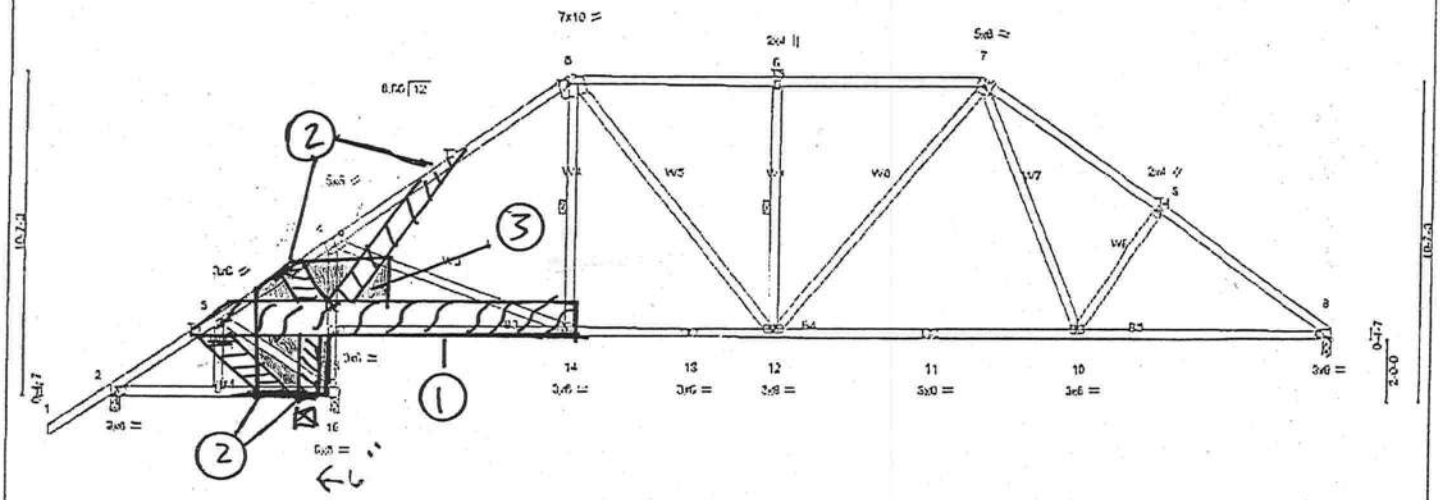
5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T11	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 8.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 09:15:02 2006 Page 1

-2-0-0	3-6-4	7-7-10	15-4-1	22-4-1	28-7-13	29-4-1	35-4-0	41-8-2
2-0-0	3-6-4	4-1-6	7-8-7	7-0-0	6-3-12	0-8-4	5-11-15	6-4-2

Scale = 1:74.0



3-6-4	7-5-14 7-7-10	15-4-1	22-4-1	32-7-6	41-8-2
3-6-4	3-11-10 0-1-12	7-8-7	7-0-0	10-3-5	9-0-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	-0.28	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.37	10-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.87	Horz(TL)	0.05	9	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 240 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
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 3-10-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-14, 6-12

REACTIONS (lb/size) 9=1425/0-3-8, 2=2044/0-3-8, 16=1782/0-3-8
Max Horz 2=521(load case 4)
Max Uplift9=-516(load case 6), 2=-520(load case 6), 16=-952(load case 4)
Max Grav9=1425(load case 1), 2=2387(load case 7), 16=1782(load case 1)

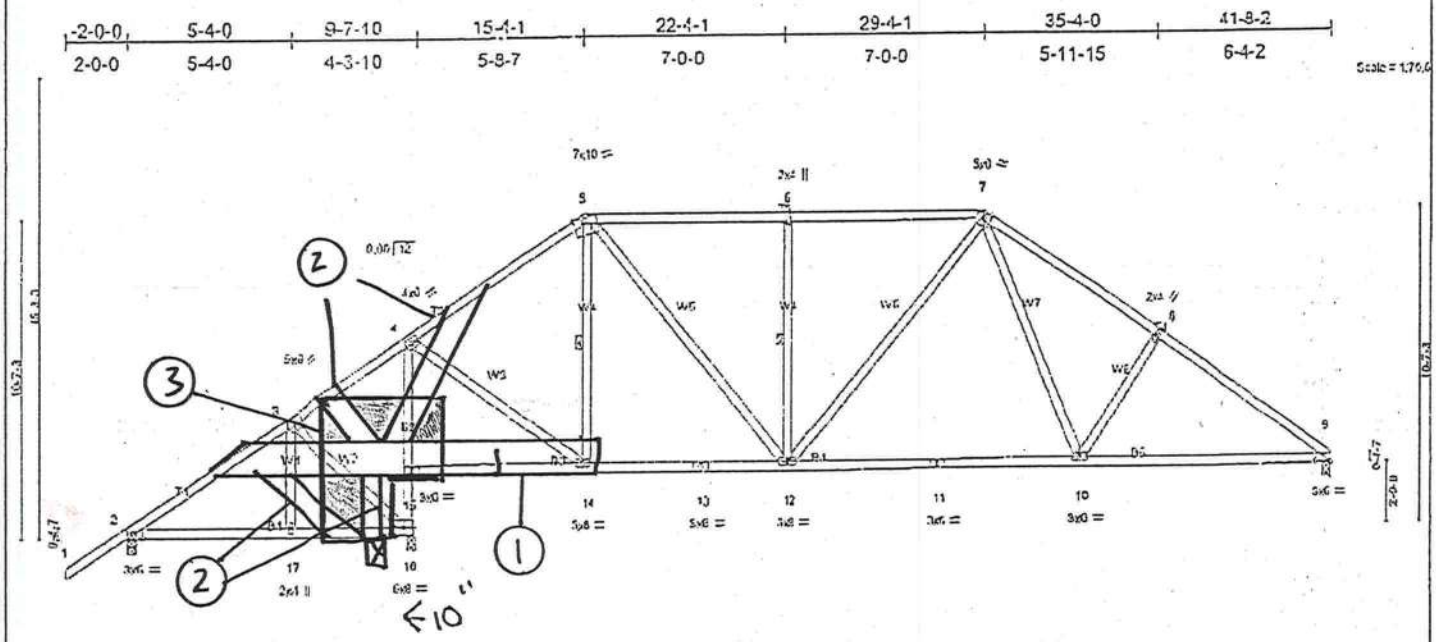
ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 60" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T12	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 09:15:03 2006 Page 1



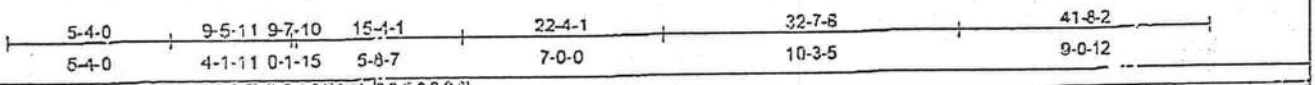


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [3:0-3-0,0-3-0], [9:0-1-0,E-3-8], [8:0-5-8,0-0-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.99	Vert(LL)	-0.23	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.76	Vert(TL)	-0.33	10-12	>669	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.88	Horz(TL)	0.04	9	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 244 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
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 4-0-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-14, 6-12

REACTIONS (lb/size) 9=1340/0-3-8, 2=1750/0-3-8, 16=1777/0-3-8
Max Horz 2=451(load case 4)
Max Uplift9=-609(load case 6), 2=-395(load case 5), 16=-943(load case 4)
Max Grav 9=1340(load case 1), 2=479(load case 7), 16=1777(load case 1)

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882 _

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 72" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

5/17/06

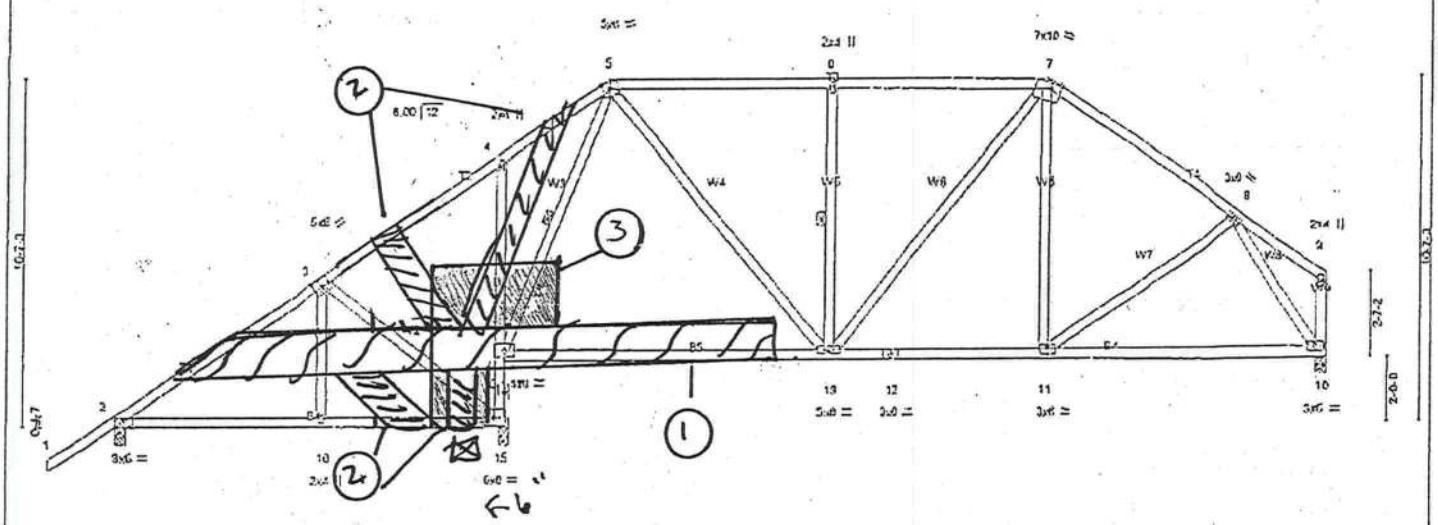
Job	Truss	Truss Type	Qty	Ply	
L117440	T13	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 8.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 09:15:04 2006 Page 1

-2-0-0 | 6-1-0 | 12-2-6 | 15-4-1 | 22-4-1 | 29-1-1 | 35-4-0 | 38-4-2

2-0-0 | 6-4-0 | 5-10-6 | 3-1-11 | 7-0-0 | 7-0-0 | 5-11-15 | 3-0-2

Scale = 1:69.0



6-4-0 | 12-2-6 | 22-4-1 | 29-4-1 | 38-4-2

6-4-0 | 5-10-6 | 10-1-11 | 7-0-0 | 9-0-1

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.81	Vert(LL)	-0.21	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0.32	13-14	>995	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.78	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 242 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
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-2 oc bracing.
WEBS 1 Row at midpt 6-14, 6-13

REACTIONS (lb/size) 2=547/0-3-8, 15=1684/0-8-8, 10=1071/0-3-8
Max Horz 2=538(load case 5)
Max Uplift2=-150(load case 5), 15=-960(load case 4), 10=-444(load case 3)
Max Grav 2=647(load case 7), 15=1684(load case 1), 10=1071(load case 1)

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 72" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

Revised 5/17/06

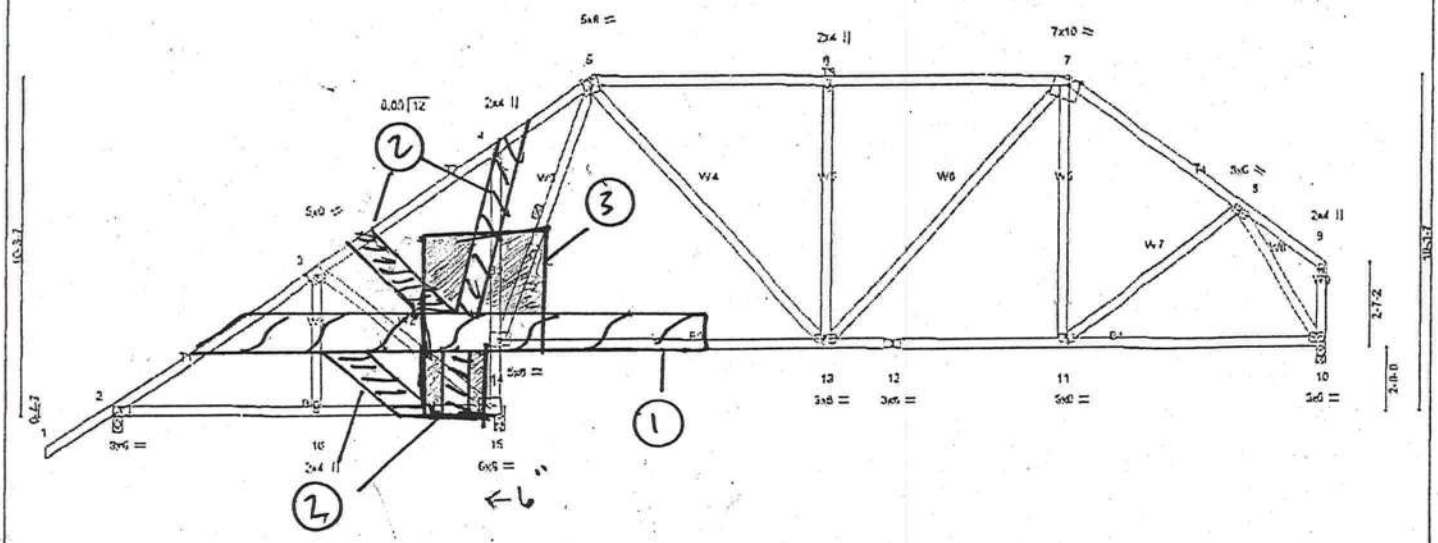
Job	Truss	Truss Type	Qty	Ply	
L117440	T15	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 6.200 s Jul 13 2006 MiTek Industries, Inc. Wed May 17 09:15:05 2006 Page 1

-2-0-0 | 6-4-0 | 12-2-6 | 14-10-8 | 22-4-1 | 29-9-10 | 35-4-0 | 38-4-2

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

Scale = 1:69.0



6-4-0 | 12-2-6 | 22-4-1 | 29-9-10 | 38-4-2

6-4-0 | 5-10-6 | 10-1-11 | 7-5-9 | 8-6-8

Plate Offsets (X,Y): [2:0-3-9,0-1-9], [3:0-2-12,0-3-0], [7:0-4-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	-0.21	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.31	13-14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 239 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
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 5-11-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-0-2 oc bracing.
WEBS 1 Row at midpt 5-14

REACTIONS (lb/size) 2=546/0-3-8, 15=1895/0-3-8, 10=1071/0-3-8
Max Horz 2=631(load case 5)
Max Uplift2=-451(load case 5), 15=-998(load case 4), 10=-457(load case 3)

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 72" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

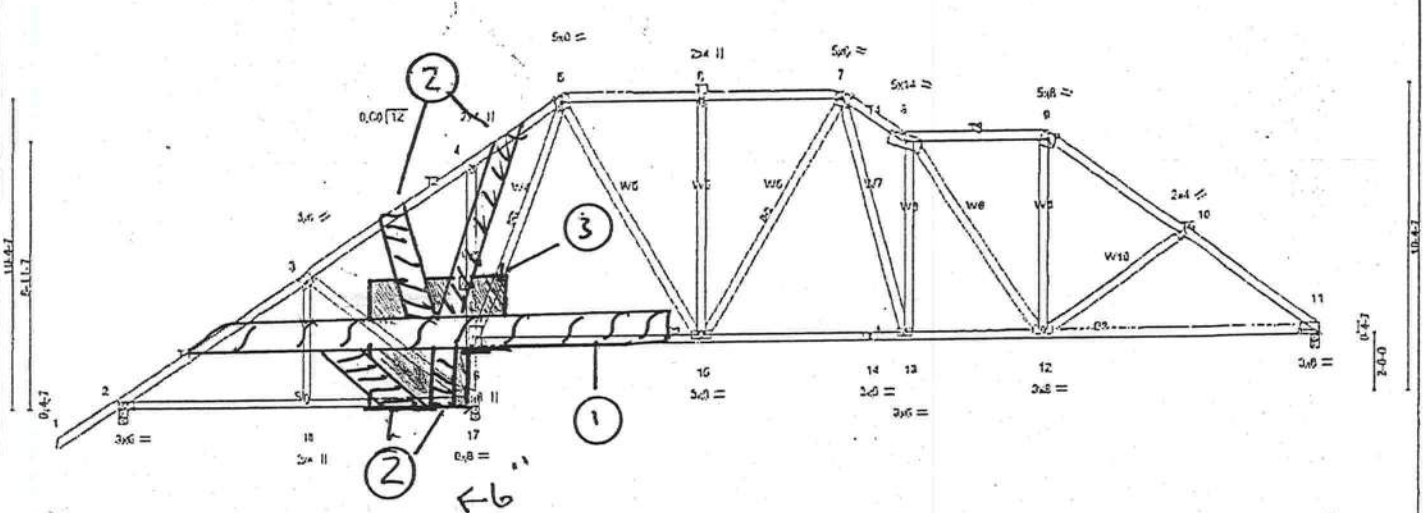
5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T16	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 8.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 09:15:06 2006 Page 1

-2-0-0	6-4-0	12-2-6	15-0-0	19-10-3	24-8-6	26-9-14	31-9-10	36-6-7	41-8-2
2-0-0	6-4-0	5-10-6	2-9-10	4-10-3	4-10-3	2-1-8	4-11-12	4-8-13	5-1-11

Scale = 1:75.4



6-4-0	12-2-6	19-10-3	26-9-14	31-9-10	41-8-2
6-4-0	5-10-6	7-7-13	6-11-11	4-11-12	9-10-8

Plate Offsets (X,Y): [2:0-3-8,0-1-8], [3:0-7-12,0-3-0], [11:0-3-8,0-1-2], [17:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.27	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.85	Vert(TL)	-0.39	11-12	>803	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.76	Horz(TL)	0.02	11	n/a	n/a		
BCDL	5.0	Code FBC2004/ANSI95		(Matrix)							Weight: 268 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 Sheathed or 4-2-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-5-15 oc bracing.
WEBS 1 Row at midpt 5-16, 7-15, 4-17

REACTIONS (lb/size) 11=1238/0-3-8, 2=600/0-3-8, 17=1758/0-3-8
Max Horz 2=412(load case 4)
Max Uplift 11=-569(load case 6), 2=-505(load case 5), 17=-983(load case 4)
Max Grav 11=1238(load case 1), 2=603(load case 7), 17=1758(load case 1)

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 72" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

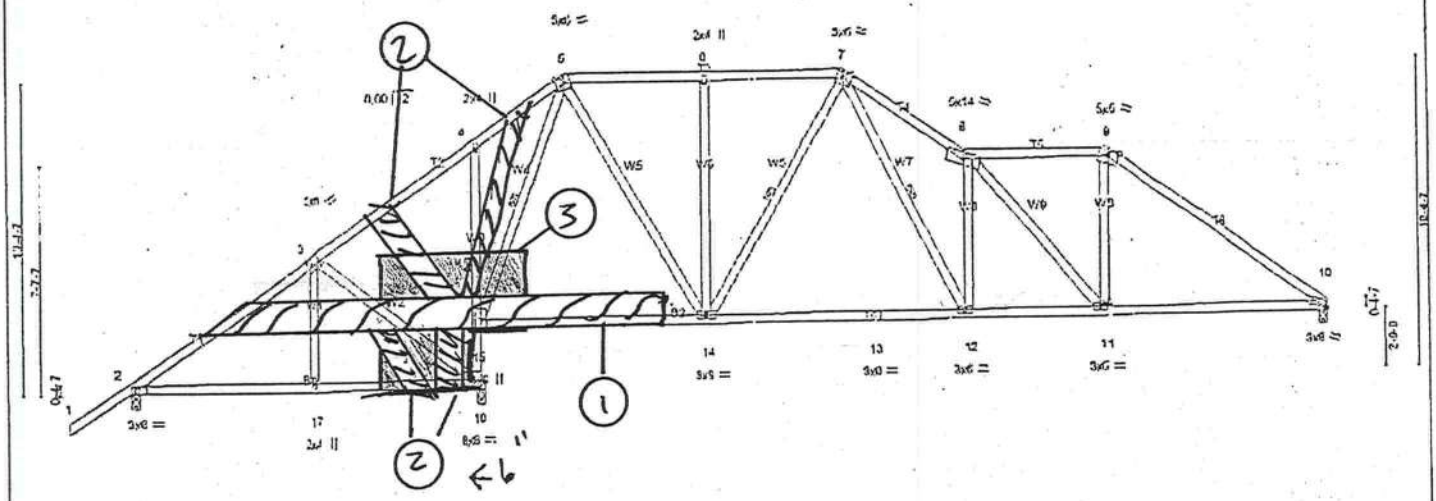
5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T17	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 6.200 s Jul 19 2005 MiTek Industries, Inc. Wed May 17 09:15:07 2006 Page 1

-2-0-0	6-4-0	12-2-6	15-0-0	19-10-3	24-8-6	28-9-14	33-9-10	41-8-2
2-0-0	6-4-0	5-10-6	2-9-10	4-10-3	4-10-3	4-1-8	4-11-12	7-10-8

Scale = 1:76.4



6-4-0	12-2-6	19-10-3	28-9-14	33-9-10	41-8-2
6-4-0	5-10-6	7-7-13	8-11-11	4-11-12	7-10-8

Plate Offsets (X,Y): [2:0-3-3,0-1-8], [3:0-2-12,0-2-0], [10:0-1-1,0-0-2], [16:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.21	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.31	12-14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.83	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 253 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 Sheathed or 4-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-5-3 oc bracing.
WEBS 1 Row at midpt 5-15, 7-14, 7-12, 4-16

REACTIONS (lb/size) 10=1235/0-3-8, 2=597/0-3-8, 16=1760/0-3-8
Max Horz 2=442(load case 4)
Max Uplift10=-558(load case 6), 2=-505(load case 5), 16=-971(load case 4)
Max Grav 10=1235(load case 1), 2=601(load case 7), 16=1760(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-526/560, 3-4=-730/980, 4-5=-101/478, 5-6=-914/702, 6-7=-914/702, 7-8=-2111/1297, 8-9=-1420/870, 9-10=-1606/895
BOT CHORD 2-17=-472/371, 16-17=-178/376, 14-15=-177/369, 13-14=-369/1100, 12-13=-369/1100, 11-12=-716/1700, 10-11=-590/1406
WEBS 3-17=-282/214, 3-16=-788/821, 5-15=-1160/508, 5-14=-369/1024, 6-14=-276/312, 7-14=-585/225, 7-12=-742/1242, 8-12=-1005/716, 8-11=-418/227, 8-11=-147/536, 15-16=-1409/843, 4-15=-237/327

JOINT STRESS INDEX
2 = 0.64, 3 = 0.56, 4 = 0.27, 5 = 0.34, 6 = 0.27, 7 = 0.59, 8 = 0.55, 9 = 0.65, 10 = 0.62, 11 = 0.26, 12 = 0.73, 13 = 0.75, 14 = 0.58, 15 = 0.28, 16 = 0.14 and 17 = 0.27

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 72" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

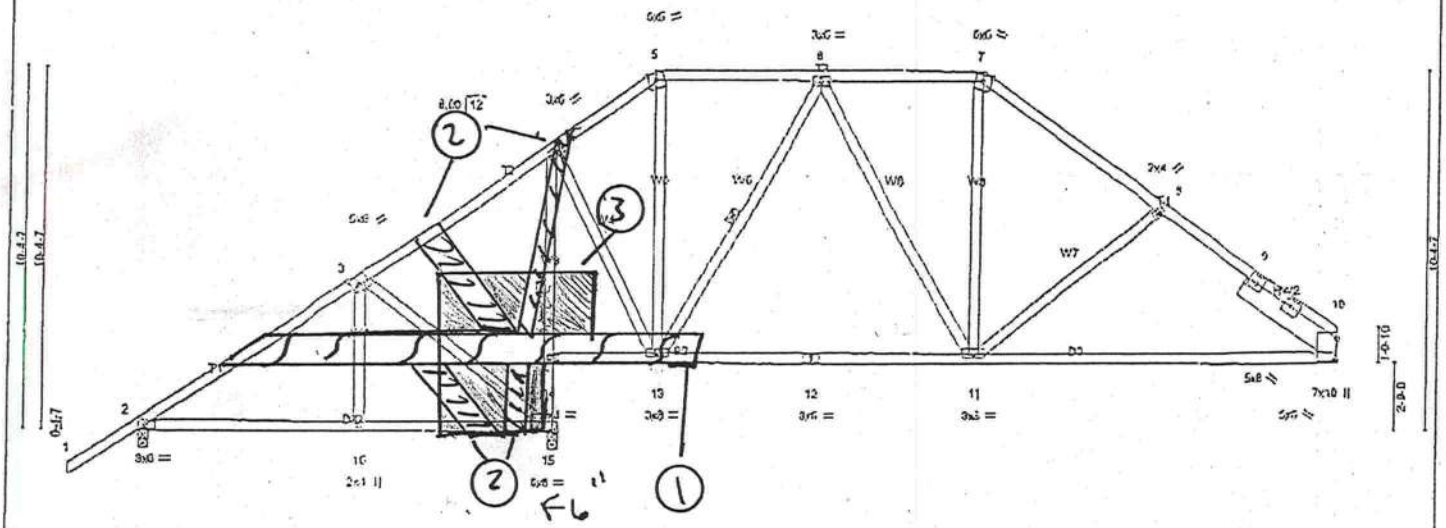
5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T23	SPECIAL	3	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 8.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 09:16:00 2006 Page 1

-2-0-0	6-4-0	12-2-6	15-0-0	19-10-3	24-8-6	30-0-8	35-8-2
2-0-0	6-4-0	5-10-6	2-9-10	4-10-3	4-10-3	5-1-2	5-7-10

Scale = 1:56.8



6-4-0	12-2-6	15-0-0	24-8-6	35-8-2
6-4-0	5-10-6	2-9-10	9-8-6	10-11-12

Plate Offsets (X,Y): [2:0-3-8,0-1-8], [3:0-7-12,0-3-0], [10:0-7-16,0-0-2], [15:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.20	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.30	10-11	>937	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.42	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI85		(Matrix)							Weight: 226 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Right 2 X 8 SYP No.1D 3-8-7

BRACING
TOP CHORD Sheathed or 5-11-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-0-0 oc bracing.
WEBS 1 Row at midpt 6-13, 4-15

REACTIONS (lb/size) 10=993/Mechanical, 2=809/0-3-8, 15=1498/0-3-8
Max Horz 2=442(load case 4)
Max Uplift 10=-432(load case 8), 2=-509(load case 5), 15=-853(load case 4)
Max Grav 10=993(load case 1), 2=809(load case 7), 15=1498(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/60, 2-3=-552/614, 3-4=-225/339, 4-5=-480/496, 5-6=-356/453, 6-7=-774/605, 7-8=-1004/623, 8-9=-1087/684, 9-10=-1345/683
BOT CHORD 2-16=-492/364, 15-16=-499/348, 13-14=-7/15, 12-13=-240/640, 11-12=-240/640, 10-11=-405/935
WEBS 3-16=-303/214, 3-15=-489/636, 4-13=-287/761, 5-13=-157/117, 6-13=-571/503, 8-11=-69/269, 7-11=-88/232, 8-11=-211/321, 14-15=-1145/530, 4-14=-1142/550

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 72" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T18	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 09:15:07 2006 Page 1

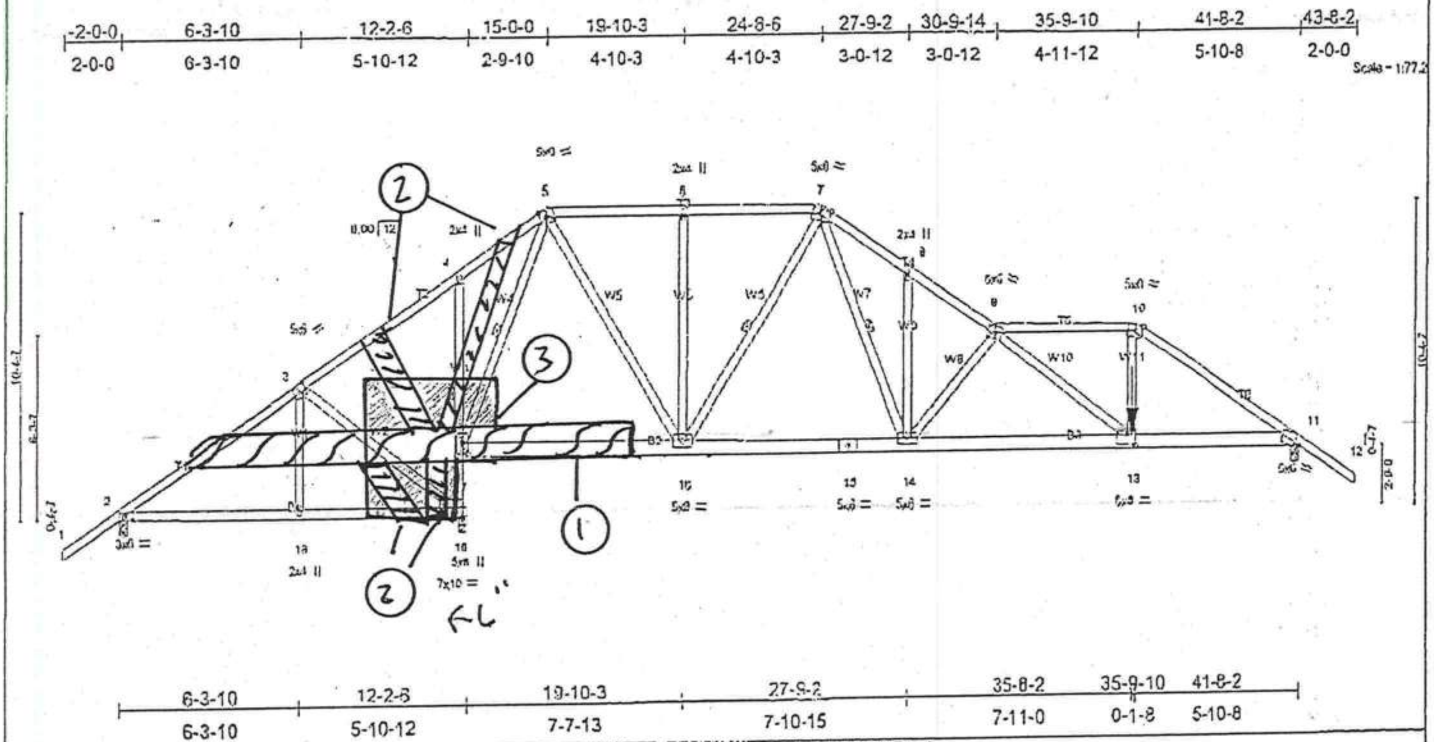


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [3:0-3-0,0-3-0], [10:0-2-8,Edge], [11:0-2-0,Edge], [13:0-3-8,0-4-4], [17:0-4-0,0-2-1], [18:0-3-8,Edge]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.51	Vert(LL) -0.18 13-14 >999 240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.49	Vert(TL) -0.27 13-14 >999 180	
BCLL 10.0	Rep Stress Incr NO	WB 0.96	Horz(TL) 0.03 11 n/a n/a	Weight: 284 lb
BCDL 5.0	Code FBC2001/ANSI95	(Matrix)		

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D *Except*
B1 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-8-14 oc bracing.
WEBS 1 Row at midpt 5-17, 7-16, 7-14, 4-18

REACTIONS (lb/size) 2=391/0-3-8, 18=2069/0-3-8, 11=2541/0-3-8
Max Horz 2=412(load case 3)
Max Uplift2=-528(load case 5), 18=-1102(load case 3), 11=-1304(load case 5)
Max Grav2=396(load case 6), 18=2069(load case 1), 11=2541(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-628/678, 3-4=-202/492, 4-5=-75/689, 5-6=-1200/765, 6-7=-1200/765, 7-8=-2798/1526, 8-9=-2828/1394, 9-10=-3288/1860, 10-11=-3978/1097, 11-12=0/62
BOT CHORD 2-19=-408/361, 18-19=-411/365, 16-17=-222/494, 15-16=-590/1575, 14-15=-590/1575, 13-14=-1554/3532, 11-13=-1448/3218
WEBS 3-19=-213/215, 3-18=-483/531, 5-17=-1473/651, 5-16=-578/1363, 6-16=-273/295, 7-16=-728/344, 7-14=-1070/2053, 8-14=-129/212, 9-14=-1977/1060, 9-13=-813/106, 10-13=-699/1884, 17-18=-1708/775, 4-17=-241/229

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 60" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T10	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 09:15:01 2006 Page 1

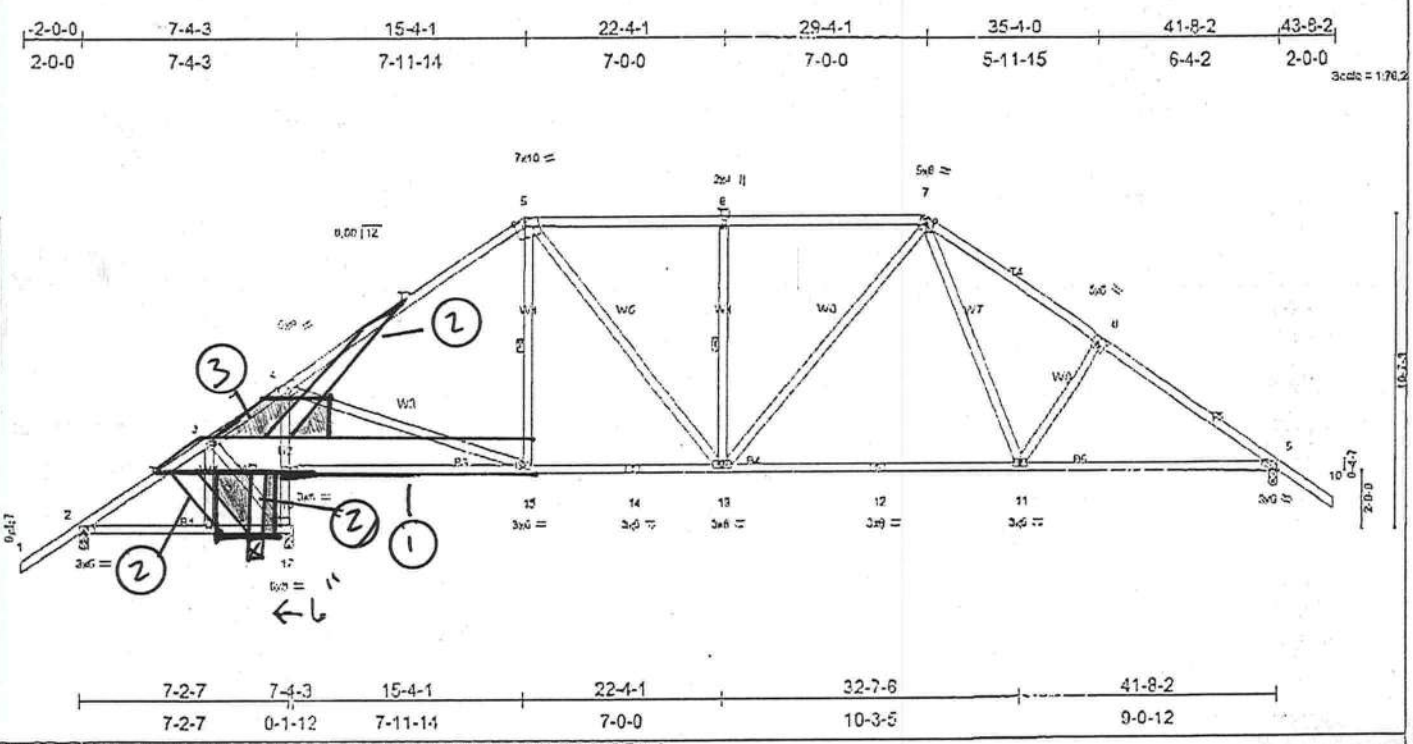


Plate Offsets (X,Y): [2:0-3-8,0-1-8], [4:0-4-0,0-2-0], [5:0-4-0,Edge], [8:0-3-0,0-3-0], [9:0-0-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.58	Vert(LL)	-0.27	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.38	11-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.65	Horz(TL)	0.05	9	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 244 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
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 4-1-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-13, 5-15

REACTIONS (lb/size) 2=3459/0-3-8, 9=1650/0-3-8, 17=1783/0-3-8
Max Horz 2=424(load case 4)
Max Uplift2=-393(load case 6), 9=-630(load case 6), 17=-851(load case 4)
Max Grav2=372(load case 7), 9=1558(load case 1), 17=1783(load case 1)

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 60" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T11	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 08:15:02 2006 Page 1

-2-0-0 3-6-4 7-7-10 15-4-1 22-4-1 28-7-13 29-4-1 35-4-0 41-8-2
2-0-0 3-6-4 4-1-6 7-8-7 7-0-0 6-3-12 0-8-4 5-11-15 6-4-2

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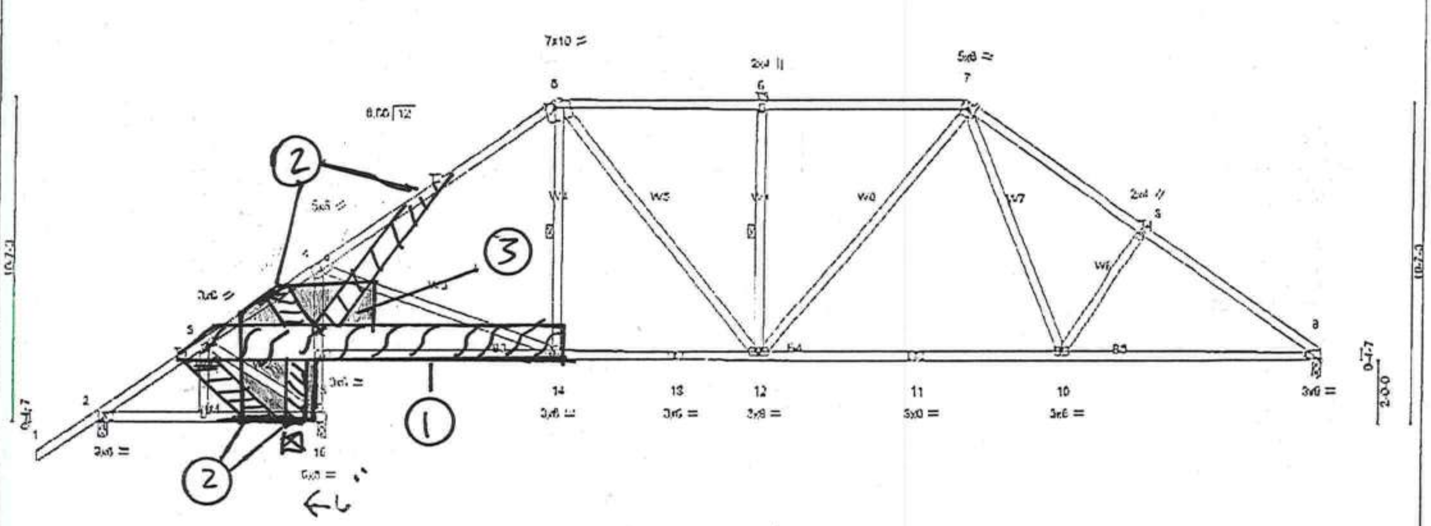


3-6-4 7-5-14 7-7-10 15-4-1 22-4-1 32-7-6 41-8-2
3-6-4 3-11-10 0-1-12 7-8-7 7-0-0 10-3-5 9-0-12

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

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.55	Vert(LL) -0.26 10-12 >999 240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.68	Vert(TL) -0.37 10-12 >999 180	
BCLL 10.0	Rep Stress Incr YES	WB 0.87	Horz(TL) 0.05 9 n/a n/a	
BCDL 5.0	Code FBC2001/ANSI95	(Matrix)		Weight: 240 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
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 3-10-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-14, 6-12

REACTIONS (lb/size) 9=1425/0-3-8, 2=204/0-3-8, 16=1783/0-3-8
Max Horz 2=521(load case 4)
Max Uplift9=-516(load case 6), 2=-320(load case 6), 16=-932(load case 4)
Max Grav9=1425(load case 1), 2=387(load case 7), 16=1783(load case 1)

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 60" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

[signature] 5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T12	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 08:15:03 2006 Page 1

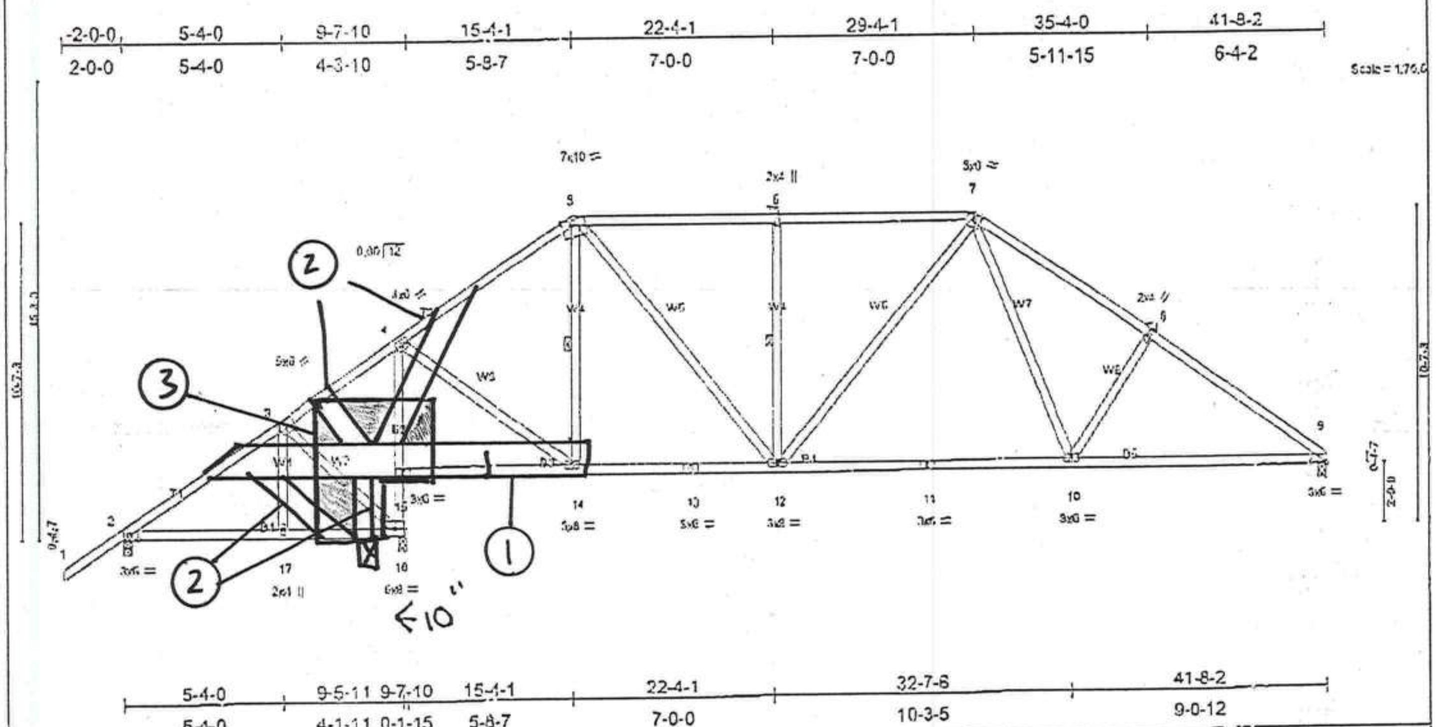


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [3:0-3-0,0-3-0], [5:0-4-0,Edge], [9:0-6-9,0-0-6]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.39	Vert(LL) -0.23 10-12 >999 240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.76	Vert(TL) -0.33 10-12 >999 180	
BCLL 10.0	Rep Stress Incr YES	WB 0.86	Horz(TL) 0.04 9 n/a n/a	
BCDL 5.0	Code FBC2001/ANSI95	(Matrix)		Weight: 244 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
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 4-0-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-14, 6-12

REACTIONS (lb/size) 9=1340/0-3-8, 2=475/0-3-8, 16=1777/0-3-8
Max Horz 2=451(load case 4)
Max Uplift9=-609(load case 6), 2=-395(load case 5), 16=-943(load case 4)
Max Grav 9=1340(load case 1), 2=479(load case 7), 16=1777(load case 1)

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 72" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

5/17/06

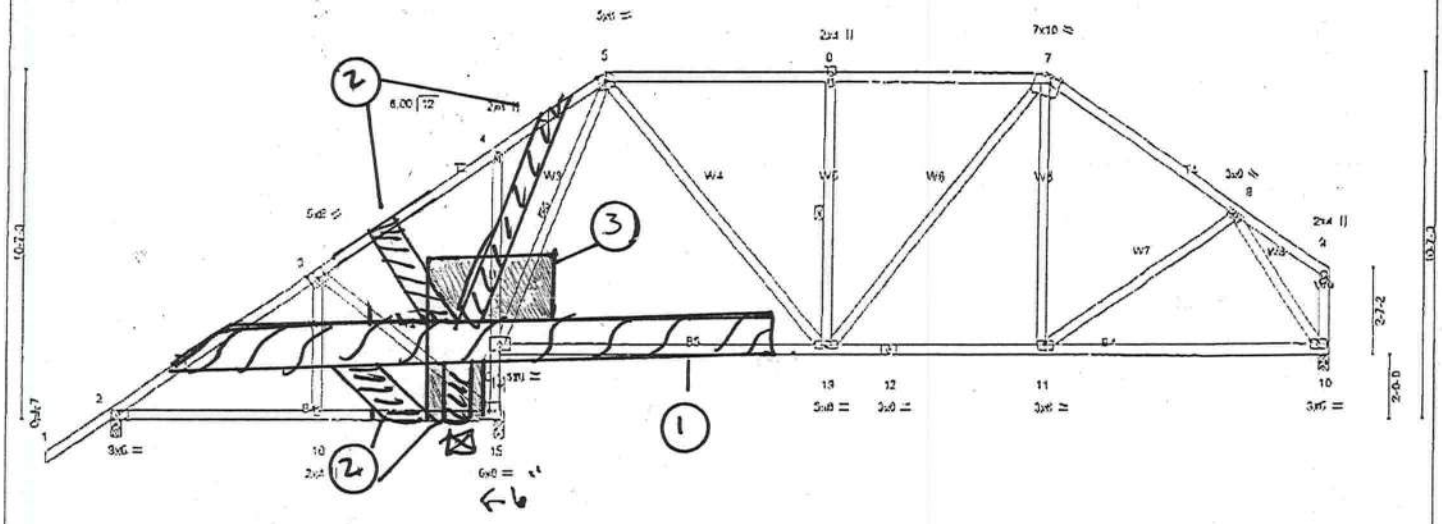
Job	Truss	Truss Type	Qty	Ply	
L117440	T13	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 — 8.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 09:15:04 2006 Page 1

-2-0-0 | 6-1-0 | 12-2-6 | 15-4-1 | 22-4-1 | 29-1-1 | 35-4-0 | 38-4-2

2-0-0 | 6-4-0 | 5-10-6 | 3-1-11 | 7-0-0 | 7-0-0 | 5-11-15 | 3-0-2

Scale = 1:69.0



6-4-0 | 12-2-6 | 22-4-1 | 29-4-1 | 38-4-2

6-4-0 | 5-10-6 | 10-1-11 | 7-0-0 | 9-0-1

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [3:0-2-12,0-3-0], [7:0-1-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.81	Vert(LL)	-0.21	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.70	Vert(TL)	-0.32	13-14	>995	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.78	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 242 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
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-2 oc bracing.
WEBS 1 Row at midpt 6-14, 6-13

REACTIONS (lb/size) 2=547/0-3-8, 15=1684/0-3-8, 10=1071/0-3-8
Max Horz 2=538(load case 5)
Max Uplift2=-450(load case 5), 15=-960(load case 4), 10=-444(load case 3)
Max Grav 2=647(load case 7), 15=1684(load case 1), 10=1071(load case 1)

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 72" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

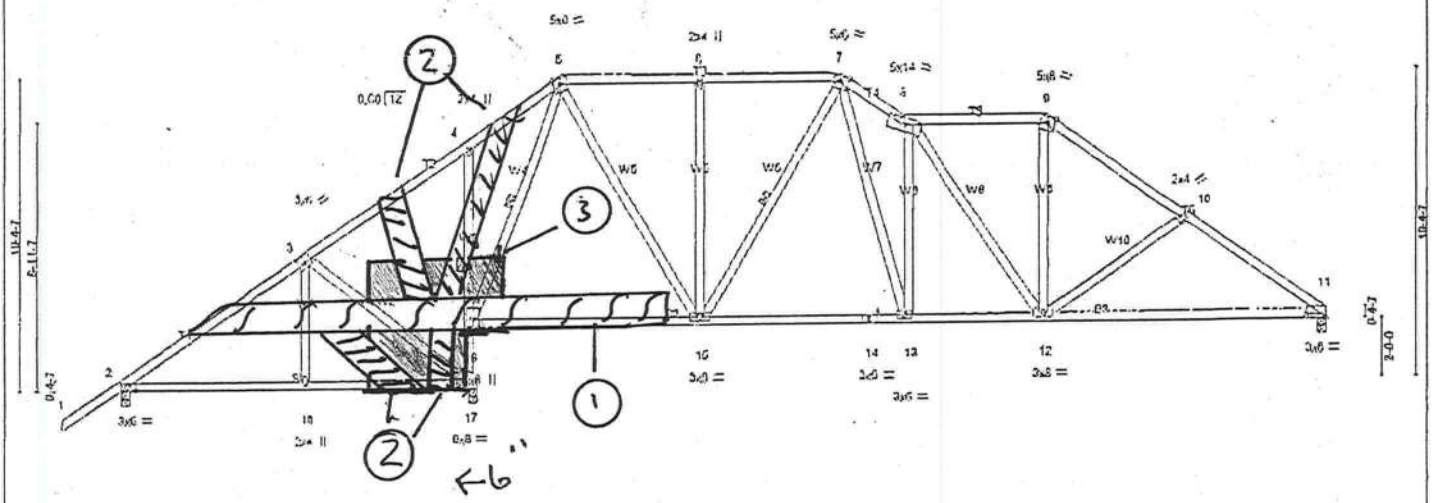
Approved
5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T16	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 8.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 09:15:06 2006 Page 1

-2-0-0	6-4-0	12-2-6	15-0-0	19-10-3	24-8-6	26-9-14	31-9-10	36-6-7	41-8-2
2-0-0	6-4-0	5-10-6	2-9-10	4-10-3	4-10-3	2-1-8	4-11-12	4-8-13	5-1-11

Scale = 1:75.4



6-4-0	12-2-6	19-10-3	26-9-14	31-9-10	41-8-2
6-4-0	5-10-6	7-7-13	6-11-11	4-11-12	9-10-8

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [3:0-3-12,0-3-0], [11:0-3-3,0-1-2], [17:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.27	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.85	Vert(TL)	-0.39	11-12	>903	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.76	Horz(TL)	0.02	11	n/a	n/a		
BCDL	5.0	Code FBC2004/ANSI95		(Matrix)							Weight: 268 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 Sheathed or 4-2-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-5-15 oc bracing.
WEBS 1 Row at midpt 5-16, 7-15, 4-17

REACTIONS (lb/size) 11=1238/0-3-8, 2=603/0-3-8, 17=1758/0-3-8
Max Horz 2=442(load case 4)
Max Uplift 11=-569(load case 6), 2=-305(load case 5), 17=-983(load case 4)
Max Grav 11=1238(load case 1), 2=603(load case 7), 17=1758(load case 1)

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 72" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

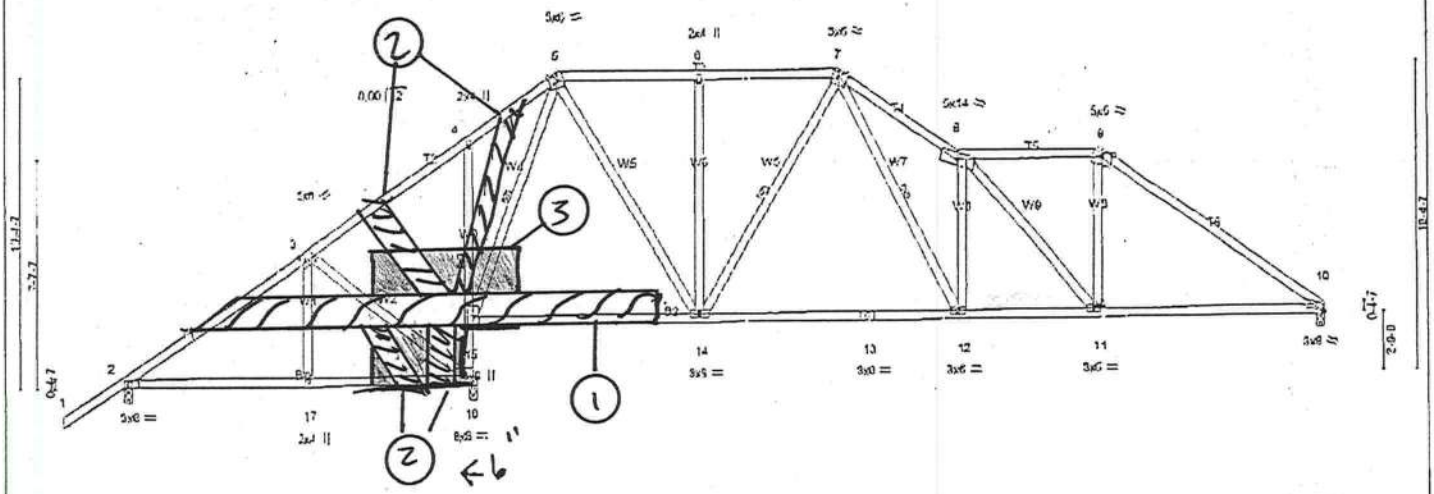
5/17/06

Job	Truss	Truss Type	Qty	Ply	
L117440	T17	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 09:15:07 2006 Page 1

-2-0-0	6-4-0	12-2-6	15-0-0	19-10-3	24-8-6	28-9-14	33-9-10	41-8-2
2-0-0	6-4-0	5-10-6	2-9-10	4-10-3	4-10-3	4-1-8	4-11-12	7-10-8

Scale = 1:76.4



6-4-0	12-2-6	19-10-3	28-9-14	33-9-10	41-8-2
6-4-0	5-10-6	7-7-13	8-11-11	4-11-12	7-10-8

Plate Offsets (X,Y): [2:0-3-3,0-1-8], [3:0-2-12,0-3-0], [10:0-1-1,0-0-2], [16:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.21	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.31	12-14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.83	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 253 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 Sheathed or 4-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-5-3 oc bracing.
WEBS 1 Row at midpt 5-15, 7-14, 7-12, 4-16

REACTIONS (lb/size) 10=1295/0-3-8, 2=597/0-3-8, 16=1760/0-3-8
Max Horz 2=442(load case 4)
Max Uplift10=-555(load case 6), 2=-505(load case 5), 16=-971(load case 4)
Max Grav 10=1295(load case 1), 2=601(load case 7), 16=1760(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-520/560, 3-4=-730/880, 4-5=-1014/478, 5-6=-914/702, 6-7=-914/702, 7-8=-2111/1297, 8-9=-1430/870, 9-10=-1606/896
BOT CHORD 2-17=-472/371, 16-17=-178/376, 14-15=-177/309, 13-14=-389/1100, 12-13=-329/1100, 11-12=-716/1700, 10-11=-590/1406
WEBS 3-17=-282/214, 3-16=-988/821, 5-16=-1160/908, 5-14=-369/1024, 6-14=-276/312, 7-14=-385/225, 7-12=-742/1342, 8-12=-1005/716, 8-11=-418/227, 8-11=-147/536, 15-16=-1409/843, 4-15=-237/327

JOINT STRESS INDEX
2 = 0.54, 3 = 0.56, 4 = 0.27, 5 = 0.34, 6 = 0.27, 7 = 0.59, 8 = 0.55, 9 = 0.65, 10 = 0.62, 11 = 0.26, 12 = 0.73, 13 = 0.75, 14 = 0.58, 15 = 0.28, 16 = 0.14 and 17 = 0.27

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 72" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

5/17/06

MAY. 17. 2006 9:26AM BUILDERS FIRST SOURCE NO. 0297 P. 10

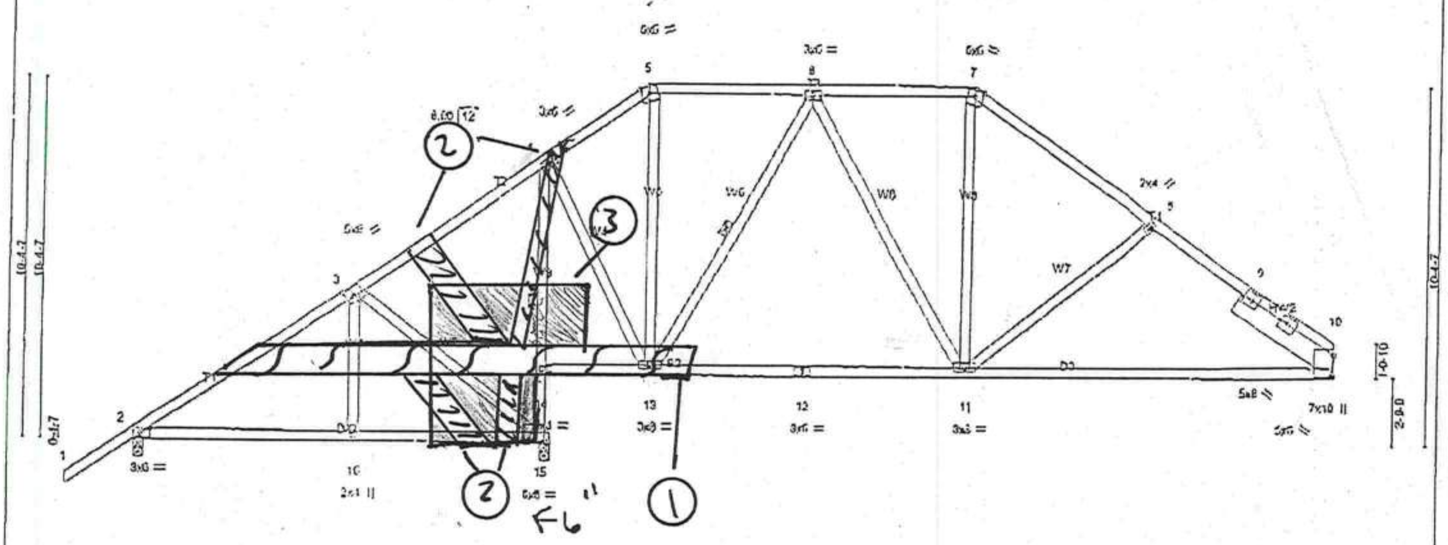
Job	Truss	Truss Type	Qty	Ply	
L117440	T23	SPECIAL	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Wed May 17 09:15:03 2006 Page 1

-2-0-0 | 6-4-0 | 12-2-6 | 15-0-0 | 19-10-3 | 24-8-6 | 30-0-8 | 35-8-2

2-0-0 | 6-4-0 | 5-10-6 | 2-9-10 | 4-10-3 | 4-10-3 | 5-4-2 | 5-7-10

Scale = 1:60.8



6-4-0 | 12-2-6 | 15-0-0 | 24-8-6 | 35-8-2

6-4-0 | 5-10-6 | 2-9-10 | 9-8-6 | 10-11-12

Plate Offsets (X,Y): [2:0-3-9,0-1-8], [3:0-7-12,0-3-0], [10:0-7-16,0-0-2], [15:0-3-9,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.20	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.30	10-11	>937	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.42	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code FBC2001/ANSI95		(Matrix)							Weight: 226 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Right 2 X 8 SYP No.1D 3-6-7

BRACING
TOP CHORD Sheathed or 5-11-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-0-0 oc bracing.
WEBS 1 Row at midpt 6-13, 4-15

REACTIONS (lb/size) 10=993/Mechanical, 2=909/0-3-8, 15=1499/0-3-8
Max Horz 2=442(load case 4)
Max Uplift10=-432(load case 6), 2=-509(load case 5), 15=-858(load case 4)
Max Grav 10=993(load case 1), 2=909(load case 7), 15=1499(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/60, 2-3=-552/614, 3-4=-225/389, 4-5=-480/498, 5-6=-356/453, 6-7=-774/605, 7-8=-1004/623, 8-9=-1097/684, 9-10=-1245/683
BOT CHORD 2-16=-492/364, 15-16=-499/349, 13-14=-7/15, 12-13=-240/840, 11-12=-240/640, 10-11=-405/935
WEBS 3-16=-308/214, 3-15=-189/636, 4-13=-287/781, 5-13=-157/117, 6-13=-571/303, 6-11=-69/289, 7-11=-88/232, 8-11=-211/221, 14-15=-1145/530, 4-14=-1142/550

ARCHITECTURAL SERVICES AND ENGINEERING
24710 STATE ROAD 54
LUTZ, FLORIDA 33559
ROBERT WALL, PE 46021
FLORIDA LICENSE NUMBER CA 7882

1. **2X8 #2 SP SCAB W/ (13) 10D'S AT EACH MEMBER.**
2. **2X6 #2 SP SCABS W/ (9) 10D'S AT ECAH MEMBER.**
3. **½" X 48" X 72" PLYWOOD OR OSB W/ (20) 10D'S AT EACH MEMBER.**

5/17/04

GTC DESIGN GROUP

GTC Design Group, LLC
P.O. Box 187
Live Oak, FL 32064
(Phone) 386.362.3678
(Fax) 386.362.6133
ggill@gtcdesigngroup.com

August 2, 2006

Joe Haltiwanger
Columbia County Building and Zoning Department
135 NE Hernando Ave, Suite B-21
Lake City, FL

SUBJECT: Tom Eagle
Emerald Lake – Arbor Green Lot 14
Permit # 000023992

Joe,

Per Tom Eagle's request, I inspected the truss system for the abovementioned project. The trussed were installed according to the manufactory's truss layout. The only concern I have is that one of the short trusses bears on an interior wall. Mr. Eagle informed me that the concrete slab was not thickened under the wall.

The truss bears on the double top plate between the 2x studs. I recommended adding 3 or 4 additional studs directly under the truss. This will help in two ways. First, the top plate is not longer in bending. The vertical load from the truss will transfer directly to the studs. Second, the point load of the truss will be distributed to a greater area over the slab and the bottom plate compression loading will decrease. The additional studs will eliminate the need to modify the slab.

If you have any questions or require additional information, please contact me at your convenience.

Thank you,

8/2/06

Gary Gill, P.E. #51942
Project Manager

Permit # 23992

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

1. Description of property:
   Lot 14 Arbor Greene @ Emerald Lakes Subdivision

2. General description of improvement: Construction of Dwelling

3. Owner information:
   a. Name and address: Thomas H. Eagle
      116 NW Egret Lane
      Lake City, FL 32055

   b. Interest in property: Fee Simple

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

4. Contractor: David Mangrum

5. Surety n/a
   a. Name and address:
   b. Amount of bond:

Inst:2006000117 Date:01/04/2006 Time:13:43
DC,P.DeWitt Cason,Columbia County B:1070 P:413

6. Lender: N/A

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

8. In addition to himself, Owner designates _____ to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

_____.

_____
Signature of Owner

The foregoing instrument was acknowledged before me this 2 day of Jan., 2006 by Thomas Eagle, who are personally known to me and who did not take an oath.

_____
Notary Public
My commission expires: _____

Susan L. Holton
Commission #DD431203
Expires: MAY 19, 2009
www.AaronNotary.com

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 28-3S-16-02372-514

Building permit No. 000023992

Use Classification SFD,UTILITY

Fire: 16.74

Permit Holder DAVID MANGRUM

Waste: 50.25

Owner of Building THOMAS EAGLE

Total: 66.99

Location: 219 NW HERITAGE DR, LAKE CITY, FL

Date: 07/02/2007

John Kence

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Dave Mangrum

GTC DESIGN GROUP

GTC Design Group, LLC
P.O. Box 187
Live Oak, FL 32064
(Phone) 386.362.3678
(Fax) 386.362.6133
ggill@gtcdesigngroup.com

August 2, 2006

Joe Haltiwanger
Columbia County Building and Zoning Department
135 NE Hernando Ave, Suite B-21
Lake City, FL

SUBJECT: Tom Eagle
Emerald Lake – Arbor Green Lot 14
Permit # 000023992

Joe,

Per Tom Eagle's request, I inspected the truss system for the abovementioned project. The trussed were installed according to the manufactory's truss layout. The only concern I have is that one of the short trusses bears on an interior wall. Mr. Eagle informed me that the concrete slab was not thickened under the wall.

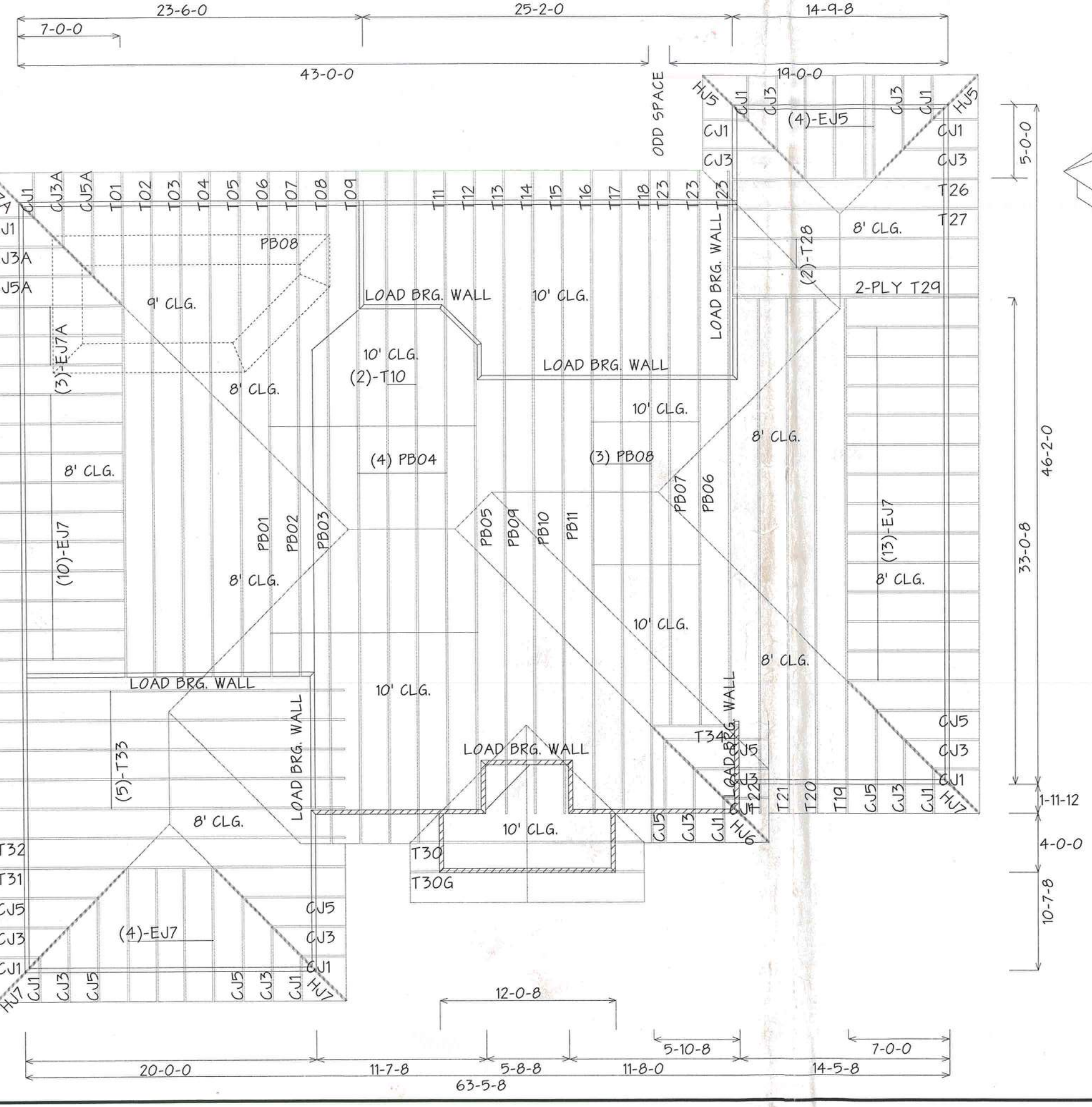
The truss bears on the double top plate between the 2x studs. I recommended adding 3 or 4 additional studs directly under the truss. This will help in two ways. First, the top plate is not longer in bending. The vertical load from the truss will transfer directly to the studs. Second, the point load of the truss will be distributed to a greater area over the slab and the bottom plate compression loading will decrease. The additional studs will eliminate the need to modify the slab.

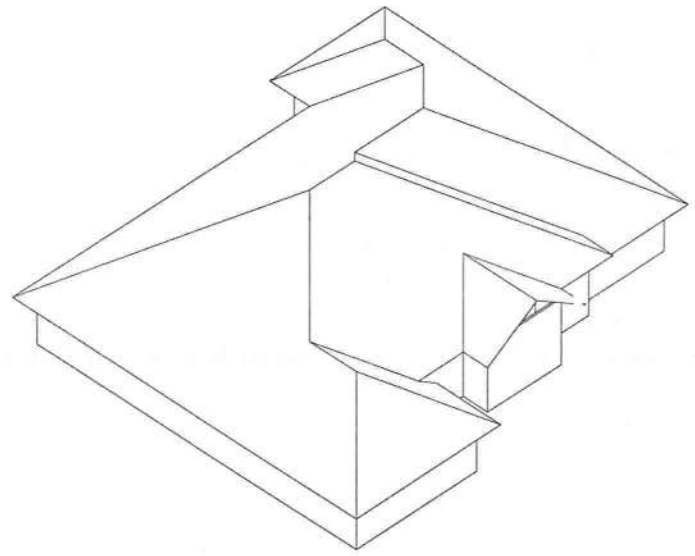
If you have any questions or require additional information, please contact me at your convenience.

Thank you,

8/2/06

Gary Gill, P.E. #51942
Project Manager





BEARING HEIGHT SCHEDUL

8'-0"

10'-0"

ROOF
PITCH
8/12
OVERHANG
EAVE 1'-6"
GABLE 1'-0"

HANGER SCHEDUL
(8) HUS26
(148) P.B. PLATES

NOTES:

1.) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BI REFER TO ENGINEERED DRAWINGS FOR PERMA 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 NOTEI

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 APPROV

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

Requested Delivery Date : _____

Approved by: _____ Date: _____

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

BUILDER: LIPSCOMB EAGL

LEGAL ADDRESS: COLUMBIA CO.

MODEL: ARBOR GREEN

REVISION:

SCALE: N

DATE: 6/20/05

DRAWN BY: ROBERT GULOTTI

JOB #: L1174