

DATE 12/07/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000025289

APPLICANT	HUGO ESCALANTE	PHONE	288-8666
ADDRESS	P.O. BOX 280	FT. WHITE	FL 32038
OWNER	HUGO ESCALANTE	PHONE	288-8666
ADDRESS	219 SW ROUNDHOUSE COURT	FT. WHITE	FL 32038
CONTRACTOR	HUGO ESCALANTE	PHONE	288-8666
LOCATION OF PROPERTY	47S, TL ON 27, TL ON CR 18, TR ON DEPOT WAY, TL ON ROUNDHOUSE CT, TO THE END ON LEFT		
TYPE DEVELOPMENT	SFD, UTILITY	ESTIMATED COST OF CONSTRUCTION	92650.00
HEATED FLOOR AREA	1853.00	TOTAL AREA	2586.00
		HEIGHT	STORIES 1
FOUNDATION	CONC	WALLS	FRAMED
		ROOF PITCH	6/12
		FLOOR	SLAB
LAND USE & ZONING	FT. WHITE	MAX. HEIGHT	18
Minimum Set Back Requirments:	STREET-FRONT	REAR	SIDE
NO. EX.D.U.	0	FLOOD ZONE	FW
		DEVELOPMENT PERMIT NO.	

PARCEL ID	34-6S-16-04059-115	SUBDIVISION	FT. WHITE STATION
LOT	15	BLOCK	PHASE
		UNIT	TOTAL ACRES

		CRC1326967	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
FT. WHITE	06-1051-N	BK	JH Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance
			New Resident

COMMENTS: FT. WHITE LETTER OF APPROVAL ON FILE, NOC ON FILE

Check # or Cash 4795

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$	465.00	CERTIFICATION FEE \$	12.93	SURCHARGE FEE \$	12.93
MISC. FEES \$	0.00	ZONING CERT. FEE \$		FIRE FEE \$	0.00
				WASTE FEE \$	
FLOOD DEVELOPMENT FEE \$		FLOOD ZONE FEE \$		CULVERT FEE \$	
				TOTAL FEE	490.86
INSPECTORS OFFICE	CLERKS OFFICE				

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0612-17 Date Received 1/4/06 By TV Permit # 25289
 Application Approved by - Zoning Official _____ Date _____ Plans Examiner OKJTH Date 12-6-06
 Flood Zone _____ Development Permit _____ Zoning FW Land Use Plan Map Category FW
 Comments * NEED ACTUAL LETTER - FROM TOWN J. WHITE. (ATT. RECORD ONLY)
- EN. HEALTH

Applicants Name Hugo Escalante Phone 386-288-8666
 Address P.O. BOX 280 Ford White, FL 32038
 Owners Name Hugo Escalante SR Phone 386-288-8666
 911 Address 219 S.W. Roundhouse Court, Ford White, FL 32038
 Contractors Name Hugo Escalante (EWPL INC) Phone 386-288-8666
 Address P.O. BOX 280, Ford White, FL 32038
 Fee Simple Owner Name & Address None
 Bonding Co. Name & Address None
 Architect/Engineer Name & Address Daniel Shaheen, Ford White, FL
 Mortgage Lenders Name & Address None
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 34-65-16-04059-115 Estimated Cost of Construction \$130,000
 Subdivision Name Ford White Station Lot 15 Block _____ Unit _____ Phase _____
 Driving Directions 47 South, T/L at US 27, T/L at CR 18, T/R at Depot Way, T/L
at Roundhouse Ct, T/R at end lot 15 at left side.
 Type of Construction New Single Family Number of Existing Dwellings on Property 0
 Total Acreage 1/2 Lot Size 5 Acres Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 65' Side 15' Side 15' Rear 70'
 Total Building Height 18'-5" Number of Stories 1 Heated Floor Area 1853 SF Roof Pitch 6-12
TOTAL 2586

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

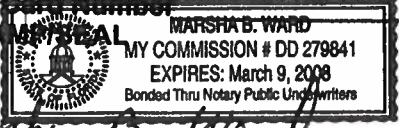
OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

Hugo Escalante
 Owner/Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 6 day of December 2006.
 Personally known _____ or Produced Identification ✓
FL DC

Hugo Escalante
 Contractor Signature
 Contractors License Number CRC1326967
 Competency Permit Number
 NOTARY STAMP

Marsha B. Ward
 Notary Signature

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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

Tax Parcel ID Number 34-6,5-16-04059-115

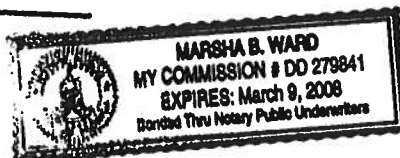
1. Description of property: (legal description of the property and street address or 911 address)
Lot 15 Ford White Station S/D ORB 666-262, 787-2354,
CT 868-2132, SWD 1009-1613, DC 1046-1514
911 Address: 219 S.W. Roundhouse Ct, Ford White, FL
2. General description of improvement: New Single Family Residence
3. Owner Name & Address Hugo Escobedo SR, P.O. BOX 280 Ford White, FL
32038 Interest in Property 100%
4. Name & Address of Fee Simple Owner (if other than owner): N/A
5. Contractor Name Hugo Escobedo (EWPL INC) Phone Number 386-288-8666
Address P.O. BOX 280, Ford White FL 32038
6. Surety Holders Name None Phone Number —
Address —
Amount of Bond — Inst: 2006028770 Date: 12/06/2006 Time: 11:40
7. Lender Name J. P. Dewitt Cason DC, P. Dewitt Cason, Columbia County B: 1104 P: 285
Address —
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name Marleen Escobedo Phone Number 386-497-1880
Address 194 S.W. Roundhouse Ct, Ford White, FL 32038
9. In addition to himself/herself the owner designates Hugo Escobedo JR of
Ford White to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee 386-288-8666
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording,
(Unless a different date is specified) —

NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Hugo Escobedo
Signature of Owner

Sworn to (or affirmed) and subscribed before
day of 6 December, 2006



NOTARY STAMP/SEAL

Marsha B Ward
Signature of Notary

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

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

DATE REQUESTED: 11/27/2006 DATE ISSUED: 11/27/2006**ENHANCED 9-1-1 ADDRESS:**

219 SW ROUND HOUSE CT
FORT WHITE FL 32038
PROPERTY APPRAISER PARCEL NUMBER:
34-6S-16-04059-115

Remarks:**LOCATED ON LOT 15 FORT WHITE STATION S/D****Address Issued By:**
Columbia County 9-1-1 Addressing / GIS Department

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

501

**COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED**

Columbia County Property Appraiser

DB Last Updated: 11/20/2006

Parcel: 34-6S-16-04059-115

Tax Record

Property Card

Interactive GIS Map

Print

2007 Proposed Values

Owner & Property Info

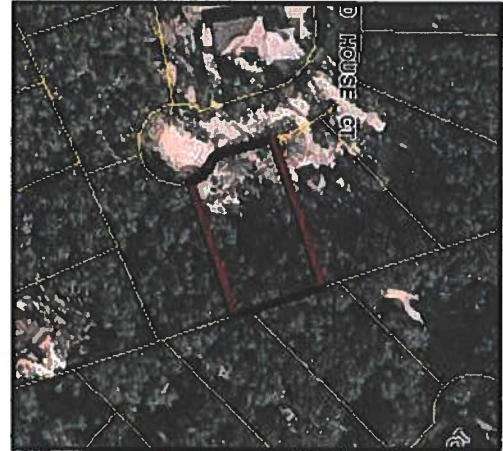
Owner's Name	ESCALANTE HUGO		
Site Address			
Mailing Address	P O BOX 280 FT WHITE, FL 32038		
Use Desc. (code)	VACANT (000000)		
Neighborhood	16.00	Tax District	4
UD Codes	MKTA02	Market Area	02
Total Land Area	0.510 ACRES		
Description	LOT 15 FORT WHITE STATION S/D. ORB 666-262, 787-2354, CT 868-2132, SWD 1009-1613, QC 1046-1514.		

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Search Result: 8 of 10

Next >>

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$17,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$17,000.00

Just Value	\$17,000.00
Class Value	\$0.00
Assessed Value	\$17,000.00
Exempt Value	\$0.00
Total Taxable Value	\$17,000.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
5/9/2005	1046/1514	QC	V	U	01	\$100.00
3/3/2004	1009/1613	WD	V	U	02	\$68,900.00
10/22/1998	868/2132	CT	V	U	01	\$1,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (.510AC)	1.00/1.00/1.00/1.00	\$17,000.00	\$17,000.00

Columbia County Property Appraiser

DB Last Updated: 11/20/2006

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Next >>

Notice of Treatment 12332

Applicator: **Florida Pest Control & Chemical Co. (www.flapest.com)**

Address: Bay Ave

City Lake City Phone 752-1703

Site Location: Subdivision Ft White Station

Lot # 15 Block# Permit # 25289

Address 219 SW Roundhouse

Product used

Active Ingredient

% Concentration

☐ Premise Imidacloprid 0.1%

☐ Termidor Fipronil 0.12%

☒ Bora-Care Disodium Octaborate Tetrahydrate 23.0%

Type treatment:

☐ Soil

☒ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

Dwelling

2586

801

4

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

2/1/07
Date

1330
Time

F2546444p
Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05



LYNCH WELL DRILLING, INC.

173 SW Tustenuggee Ave

Lake City, FL 32025

Phone 386-752-6677

Fax 386-752-1477

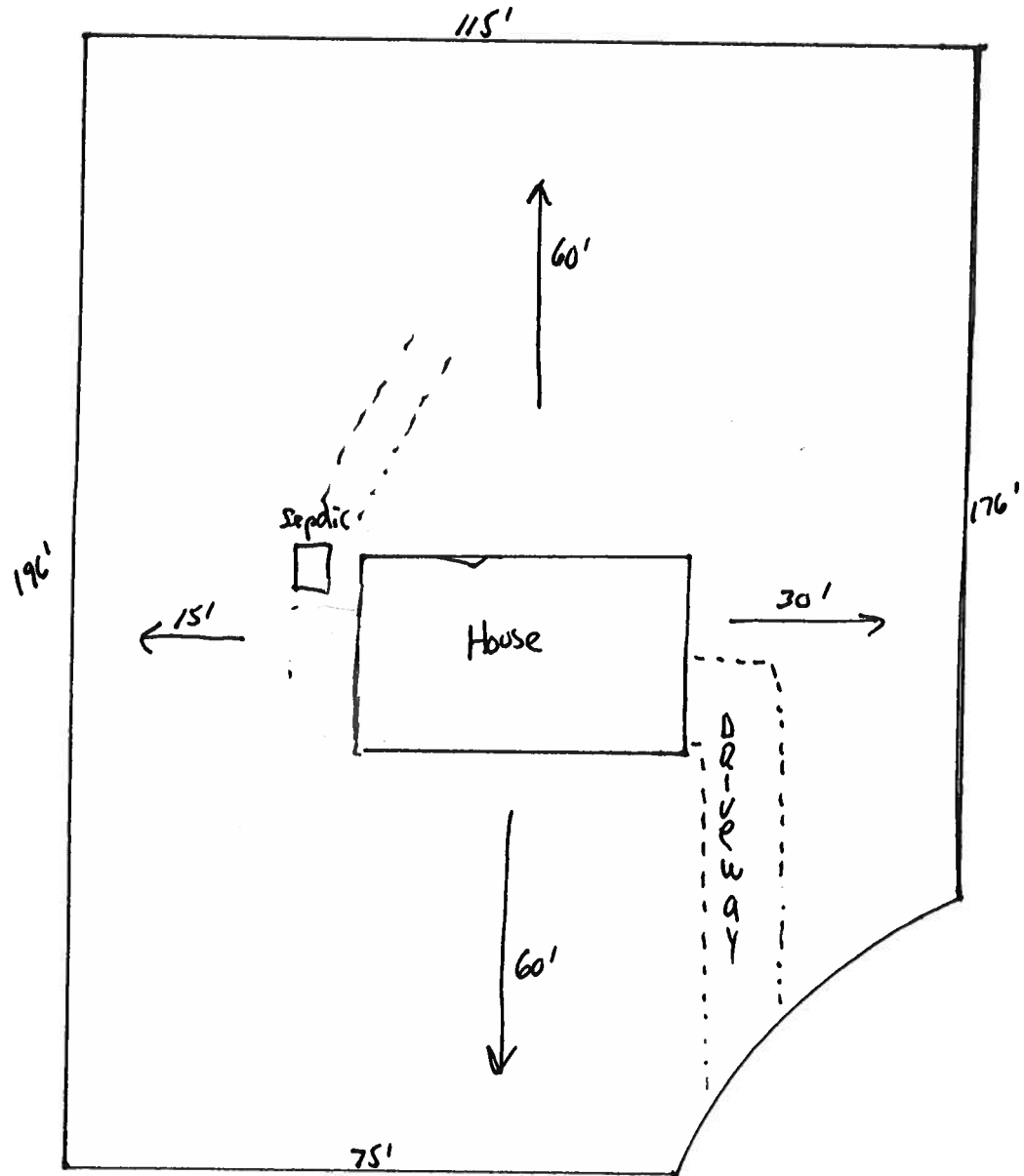
Fort White Station Lot 15

Building Permit # _____ Owner's Name Hugo Escalante

Well Depth _____ Ft. Casing Depth _____ Ft. Water Level _____ Ft.

Casing Size 4 inch Steel Pump Installation: Deep Well SubmersiblePump Make Aeromotor Pump Model S20-100 HP 1System Pressure (PSI) _____ On 40 Off 60 Average Pressure 50Pumping System GPM at average pressure and pumping level 20 (GPM)Tank Installation: Bladder / Galvanized Make Challenger
Model PC244 Size 81Tank Draw-down per cycle at system pressure 25.1 gallonsI HEREBY VERIFY THAT THIS WATER WELL SYSTEM HAS BEEN
INSTALLED AS PER THE ABOVE INFORMATION.Linda Newcomb
Signature2609
License NumberLinda Newcomb
Print Name11-7-06
Date

Lot 15 Fort White Station
Parcel # 34-65-16-04059-115



Roundhouse CT

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **The Nicolas - Fort White Station 15**
Address: **Lot: 15, Sub: Fort White Stat, Plat:**
City, State: **Lake City, FL**
Owner: **EWPL INC**
Climate Zone: **North**

Builder: **EWPL INC**
Permitting Office: **Columbia**
Permit Number: **25289**
Jurisdiction Number: **221000**

1. New construction or existing New ☐
2. Single family or multi-family Single family ☐
3. Number of units, if multi-family 1 ☐
4. Number of Bedrooms 3 ☐
5. Is this a worst case? No ☐
6. Conditioned floor area (ft²) 1853 ft² ☐
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)
 - a. U-factor: Description Area
(or Single or Double DEFAULT) 7a. (Dble Default) 269.8 ft² ☐
 - b. SHGC:
(or Clear or Tint DEFAULT) 7b. (Clear) 269.8 ft² ☐
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=0.0, 210.0(p) ft ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Adjacent R=13.0, 176.0 ft² ☐
 - b. Frame, Wood, Exterior R=13.0, 1714.0 ft² ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 1853.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts
 - a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=128.0, 6.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit Cap: 36.0 kBtu/hr
SEER: 13.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 36.0 kBtu/hr
HSPF: 7.20 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems
 - a. Electric Resistance Cap: 40.0 gallons
EF: 0.92 ☐
 - b. N/A ☐
 - c. Conservation credits
(HR-Heat recovery, Solar
DHP-Dedicated heat pump) ☐
15. HVAC credits
(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating) ☐

Glass/Floor Area: 0.18

Total as-built points: 26803
Total base points: 28629

PASS

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

PREPARED BY: [Signature]

DATE: 11-14-06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 15, Sub: Fort White Stat, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT						
GLASS TYPES										
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X	SPM X	SOF = Points	
.18	1853.0	20.04	6684.1	Double, Clear	S	1.5 7.5	42.0	35.87	0.91	1370.6
				Double, Clear	S	10.5 6.7	13.3	35.87	0.47	223.9
				Double, Clear	S	10.0 4.0	9.3	35.87	0.44	146.7
				Double, Clear	S	1.5 5.5	17.5	35.87	0.83	522.3
				Double, Clear	E	1.5 5.5	30.0	42.06	0.90	1131.0
				Double, Clear	N	1.5 5.5	30.0	19.20	0.93	534.7
				Double, Clear	N	9.0 7.0	72.0	19.20	0.67	929.9
				Double, Clear	N	1.5 6.5	36.0	19.20	0.95	654.9
				Double, Clear	W	1.5 6.5	21.3	38.52	0.93	762.0
				Double, Clear	N	1.5 5.5	30.0	19.20	0.93	534.7
				Double, Clear	W	1.5 5.5	20.0	38.52	0.90	691.0
				Double, Clear	W	1.5 5.0	16.0	38.52	0.88	539.7
				As-Built Total:			337.5			8041.3
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM =	Points	
Adjacent	176.0	0.70	123.2	Frame, Wood, Adjacent	13.0		176.0	0.60		105.6
Exterior	1714.0	1.70	2913.8	Frame, Wood, Exterior	13.0		1714.0	1.50		2571.0
Base Total:				As-Built Total:			1890.0			2676.6
DOOR TYPES Area X BSPM = Points				Type			Area X	SPM =	Points	
Adjacent	18.0	2.40	43.2	Exterior Wood			20.0	6.10		122.0
Exterior	38.0	6.10	231.8	Exterior Wood			18.0	6.10		109.8
				Adjacent Wood			18.0	2.40		43.2
Base Total:				As-Built Total:			56.0			275.0
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM X SCM =	Points	
Under Attic	1853.0	1.73	3205.7	Under Attic	30.0		1853.0	1.73 X 1.00		3205.7
Base Total:				As-Built Total:			1853.0			3205.7
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM =	Points	
Slab	210.0(p)	-37.0	-7770.0	Slab-On-Grade Edge Insulation	0.0		210.0(p)	-41.20		-8652.0
Raised	0.0	0.00	0.0							
Base Total:				As-Built Total:			210.0			-8652.0

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 15, Sub: Fort White Stat, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT									
INFILTRATION Area X BSPM = Points				Area X SPM = Points									
1853.0 10.21 18919.1				1853.0 10.21 18919.1									
Summer Base Points: 24351.0				Summer As-Built Points: 24465.8									
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	= Cooling Points
24351.0		0.4266	10388.1	(sys 1: Central Unit 36000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R128.0(INS)									
				24466	1.00	(1.07 x 1.147 x 0.91)	0.263		1.000		7180.4		
24351.0		0.4266	10388.1	24465.8	1.00	1.118	0.263		1.000		7180.4		

(sys 1: Central Unit 36000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R128.0(INS)

24466

1.00

(1.07 x 1.147 x 0.91)

0.263

1.000

7180.4

24465.8**1.00****1.118****0.263****1.000****7180.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 15, Sub: Fort White Stat, Plat: , Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC Overhang Ornt Len Hgt Area X WPM X WOF = Points							
.18	1853.0	12.74	4249.3	Double, Clear	S	1.5	7.5	42.0	13.30	1.06	590.0
				Double, Clear	S	10.5	6.7	13.3	13.30	3.33	590.7
				Double, Clear	S	10.0	4.0	9.3	13.30	3.61	448.0
				Double, Clear	S	1.5	5.5	17.5	13.30	1.15	266.9
				Double, Clear	E	1.5	5.5	30.0	18.79	1.04	587.1
				Double, Clear	N	1.5	5.5	30.0	24.58	1.00	739.5
				Double, Clear	N	9.0	7.0	72.0	24.58	1.02	1807.2
				Double, Clear	N	1.5	6.5	36.0	24.58	1.00	886.5
				Double, Clear	W	1.5	6.5	21.3	20.73	1.02	450.9
				Double, Clear	N	1.5	5.5	30.0	24.58	1.00	739.5
				Double, Clear	W	1.5	5.5	20.0	20.73	1.03	426.2
				Double, Clear	W	1.5	5.0	16.0	20.73	1.03	343.2
				As-Built Total: 337.5 7875.7							
WALL TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Adjacent	176.0	3.60	633.6	Frame, Wood, Adjacent			13.0	176.0	3.30		580.8
Exterior	1714.0	3.70	6341.8	Frame, Wood, Exterior			13.0	1714.0	3.40		5827.6
Base Total: 1890.0 6975.4				As-Built Total: 1890.0 6408.4							
DOOR TYPES Area X BWPM = Points				Type Area X WPM = Points							
Adjacent	18.0	11.50	207.0	Exterior Wood				20.0	12.30		246.0
Exterior	38.0	12.30	467.4	Exterior Wood				18.0	12.30		221.4
				Adjacent Wood				18.0	11.50		207.0
Base Total: 56.0 674.4				As-Built Total: 56.0 674.4							
CEILING TYPES Area X BWPM = Points				Type R-Value Area X WPM X WCM = Points							
Under Attic	1853.0	2.05	3798.6	Under Attic			30.0	1853.0	2.05 X 1.00		3798.6
Base Total: 1853.0 3798.6				As-Built Total: 1853.0 3798.6							
FLOOR TYPES Area X BWPM = Points				Type R-Value Area X WPM = Points							
Slab	210.0(p)	8.9	1869.0	Slab-On-Grade Edge Insulation			0.0	210.0(p)	18.80		3948.0
Raised	0.0	0.00	0.0								
Base Total: 1869.0				As-Built Total: 210.0 3948.0							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 15, Sub: Fort White Stat, Plat: , Lake City, FL,

PERMIT #:

BASE			AS-BUILT		
INFILTRATION Area X BWPM = Points			Area X WPM = Points		
1853.0 -0.59 -1093.3			1853.0 -0.59 -1093.3		
Winter Base Points: 16473.5			Winter As-Built Points: 21611.9		
Total Winter X System = Heating Points Multiplier Points			Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)		
16473.5	0.6274	10335.5	(sys 1: Electric Heat Pump 36000 btuh ,EFF(7.2) Ducts:Unc(S),Unc(R),Int(AH),R128.0 21611.9 1.000 (1.053 x 1.169 x 0.93) 0.474 1.000 11717.7 21611.9 1.00 1.145 0.474 1.000 11717.7		

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

ADDRESS: Lot: 15, Sub: Fort White Stat, 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 = Total Multiplier
3		2635.00	7905.0	40.0	0.92	3	1.00	2635.00	1.00 7905.0
				As-Built Total:					7905.0

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
10388		10335		7905 28629	7180		11718		7905 26803

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 15, Sub: Fort White Stat, 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 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.3

The higher the score, the more efficient the home.

EWPL INC, Lot: 15, Sub: Fort White Stat, Plat: , Lake City, FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 36.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	1853 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 36.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 269.8 ft ²		HSPF: 7.20
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 269.8 ft ²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 210.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.92
9. Wall types		b. N/A	
a. Frame, Wood, Adjacent	R=13.0, 176.0 ft ²	c. Conservation credits	
b. Frame, Wood, Exterior	R=13.0, 1714.0 ft ²	(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 1853.0 ft ²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=128.0, 6.0 ft		
b. N/A			

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

Builder Signature: _____ Date: _____

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



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

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCSB v4.0)

TOWN OF FORT WHITE

Home of the Ichetucknee River

Post Office Box 129 Fort White, FL 32038

Email: townofftwhite@alltel.net Web: townoffortwhitefl.com

Tel: (386) 497-2321/(386) 497-3345 Fax: (386) 497-4946

Office Hours: Monday through Friday 9:00 a.m. to 1:00 p.m

CERTIFICATE OF COMPLIANCE & REQUEST FOR ISSUANCE OF BUILDING PERMIT

The undersigned hereby certify the following property is in compliance with the Town of Fort White's Comprehensive Plan and Land Development Regulations for the stated development purposes:

OWNER'S NAME: Escalante, Hugo / EWPL, Inc.

ADDRESS: P.O. Box 280 Fort White, FL 32038

PROPERTY DESCRIPTION: Fort White Station Lot #15
w/ parcel number

parcel #4059-115 .51 acre

DEVELOPMENT: New Construction / Single Family Dwelling

You are hereby authorized to issue the appropriate permits

Nov. 28, 2006

DATE

Janis E. Revels
JDR ADMINISTRATOR
Town of Fort White

Mayor
Truett George
497-4741

District 1
Donald Cook
497-1086

District 2
Henry Maini
497-2992

District 3
Warren Barnes
497-3112

District 4
Demetric Jackson
497-2078

Permit Application Number 06-01051N

CERTIFICATE OF OCCUPANCY

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 34-6S-16-04059-115

Building permit No. 000025289

Use Classification SFD, UTILITY

Fire: 16.74

Permit Holder HUGO ESCALANTE

Waste:

Owner of Building HUGO ESCALANTE

Total: 16.74

Location: 219 SW ROUNDHOUSE COURT, FT. WHITE STATION LOT 15

Date: 07/05/2007



Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Project Information for:		L217949	
Builder:	HUGO ESCALANTE	Date:	11/27/2006
Lot:	N/A	Start Number:	1137
Subdivision:	229 SW MELBA GLEN	SEI Ref:	L217949
County or City:	COLUMBIA COUNTY		
Truss Page Count:	45		

Truss Design Load Information (UNO)		Design Program: MiTek	
Gravity		Wind	Building Code: FBC2004
Roof (psf): 42	Wind Standard: ASCE 7-02		
Floor (psf): 55	Wind Speed (mph): 110		

Note: See individual truss drawings for special loading conditions

Building Designer, responsible for Structural Engineering: (See attached)	
ESCALANTE, HUGO CRC 1326967 Address: P.O. BOX 280 FORT WHITE, FL. 32038	
Designer:	42

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

Notes:

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

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	1127061137	11/27/2006	41	T31	1127061097	11/27/2006
2	CJ3	1127061136	11/27/2006	42	T32	1127061096	11/27/2006
3	CJ5	1127061135	11/27/2006	43	T33	1127061095	11/27/2006
4	EJ5	1127061134	11/27/2006	44	T34	1127061094	11/27/2006
5	EJ7	1127061133	11/27/2006	45	T35	1127061093	11/27/2006
6	EJ7G	1127061132	11/27/2006				
7	HJ7	1127061131	11/27/2006				
8	HJ9	1127061130	11/27/2006				
9	PB01	1127061129	11/27/2006				
10	PB02	1127061128	11/27/2006				
11	PB03	1127061127	11/27/2006				
12	T01	1127061126	11/27/2006				
13	T02	1127061125	11/27/2006				
14	T03	1127061124	11/27/2006				
15	T04	1127061123	11/27/2006				
16	T05	1127061122	11/27/2006				
17	T06	1127061121	11/27/2006				
18	T07	1127061120	11/27/2006				
19	T08	1127061119	11/27/2006				
20	T09	1127061118	11/27/2006				
21	T10	1127061117	11/27/2006				
22	T11	1127061116	11/27/2006				
23	T12	1127061115	11/27/2006				
24	T13	1127061114	11/27/2006				
25	T14	1127061113	11/27/2006				
26	T15	1127061112	11/27/2006				
27	T16	1127061111	11/27/2006				
28	T17	1127061110	11/27/2006				
29	T18	1127061109	11/27/2006				
30	T20	1127061108	11/27/2006				
31	T21	1127061107	11/27/2006				
32	T22	1127061106	11/27/2006				
33	T23	1127061105	11/27/2006				
34	T24	1127061104	11/27/2006				
35	T25	1127061103	11/27/2006				
36	T26	1127061102	11/27/2006				
37	T27	1127061101	11/27/2006				
38	T28	1127061100	11/27/2006				
39	T29	1127061099	11/27/2006				
40	T30	1127061098	11/27/2006				

NOV 27 2006

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Licensee Details**Licensee Information**

Name: **ESCALANTE, HUGO (Primary Name)**
Main Address: **EWPL INC (DBA Name)**
P.O. BOX 280
FORT WHITE, Florida 32038

License Information

License Type: **Certified Residential Contractor**
Rank: **Cert Residential**
License Number: **CRC1326967**
Status: **Current, Active**
Licensure Date: **11/24/2003**
Expires: **08/31/2006**

Special Qualifications	Effective Date
Qualified Business License Required	11/24/2003

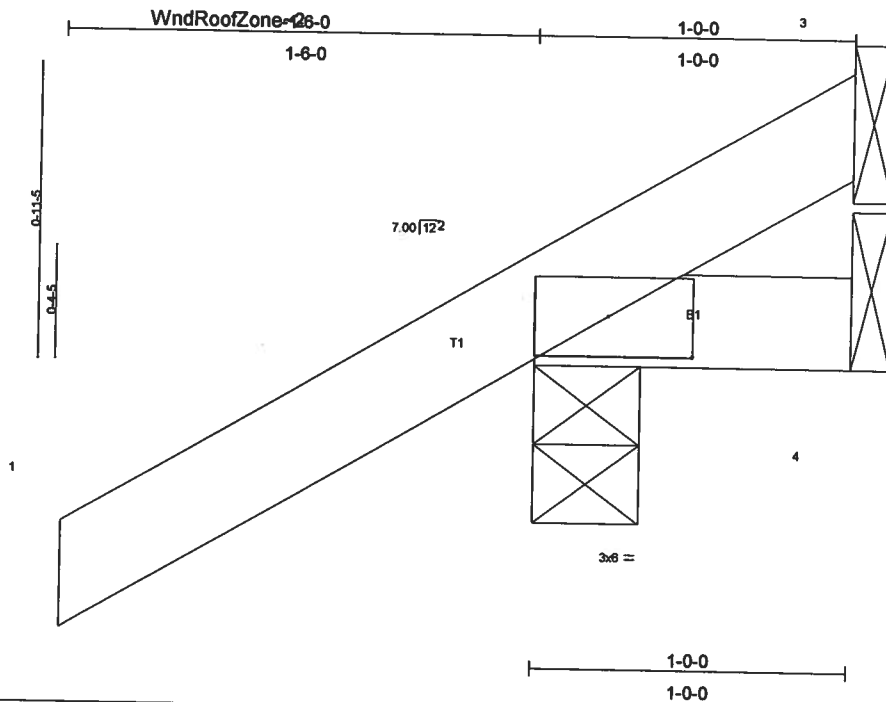
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Job	Truss	Truss Type	Qty	Ply	LOT 26 WISE ESTATES
L217949	CJ1	JACK	12	1	
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Nov 16 11:28:28 2006 Page 1



Scale = 170

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

[illegible]

LUMBER

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

BRACING

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

REACTIONS

(lb/size) 2=189/0-4.0, 4=14/Mechanical, 3=41/Mechanical
Max Horz 2=82(load case 5)
Max Uplift 2=-196(load case 5), 4=-11(load case 3), 3=-41(load case 1)
Max Grav 2=189(load case 1), 4=14(load case 1), 3=65(load case 5)

FORCES

TOP CHORD 1-2=0/39, 2-3=-50/41
BOT CHORD 2-4=0/0

JOINT STRESS INDEX

 $2 = 0.10$

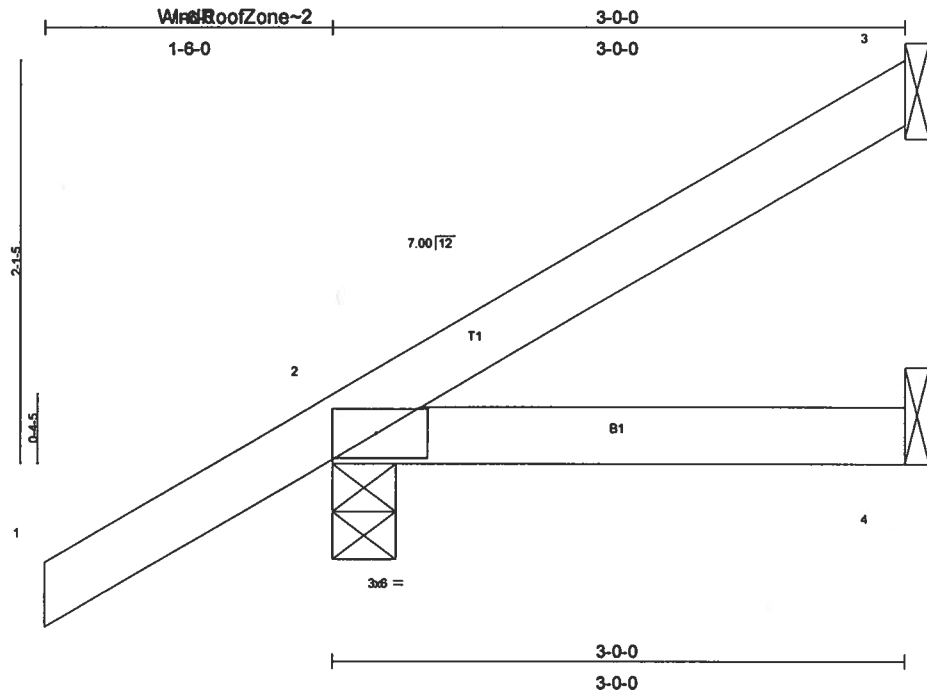
NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCFL=4.2psf; BCLD=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 196 lb uplift at joint 2, 11 lb uplift at joint 4 and 41 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	LOT 26 WISE ESTATES
L217949	CJ3	JACK	12	1	Job Reference (optional)

8.300 s Apr 19 2006 MiTek Industries, Inc. Thu Nov 16 11:28:54 2006 Page 1



Scale = 1:11.6

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	0.01	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight:	12 lb

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

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

REACTIONS (lb/size) 3=48/Mechanical, 2=233/0-4-0, 4=42/Mechanical
Max Horz 2=135(load case 5)
Max Uplift3=-42(load case 5), 2=-183(load case 5), 4=-33(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-55/18
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.10

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCFL=4.2psf; BCLD=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 42 lb uplift at joint 3, 183 lb uplift at joint 2 and 33 lb uplift at joint 4.

LOAD CASE(S) Standard

NOVEMBER 27, 2006 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 L217949	Truss CJ5	Truss Type JACK	Qty 8	Ply 1	LOT 26 WISE ESTATES
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Nov 16 11:29:21 2006 Page 1		

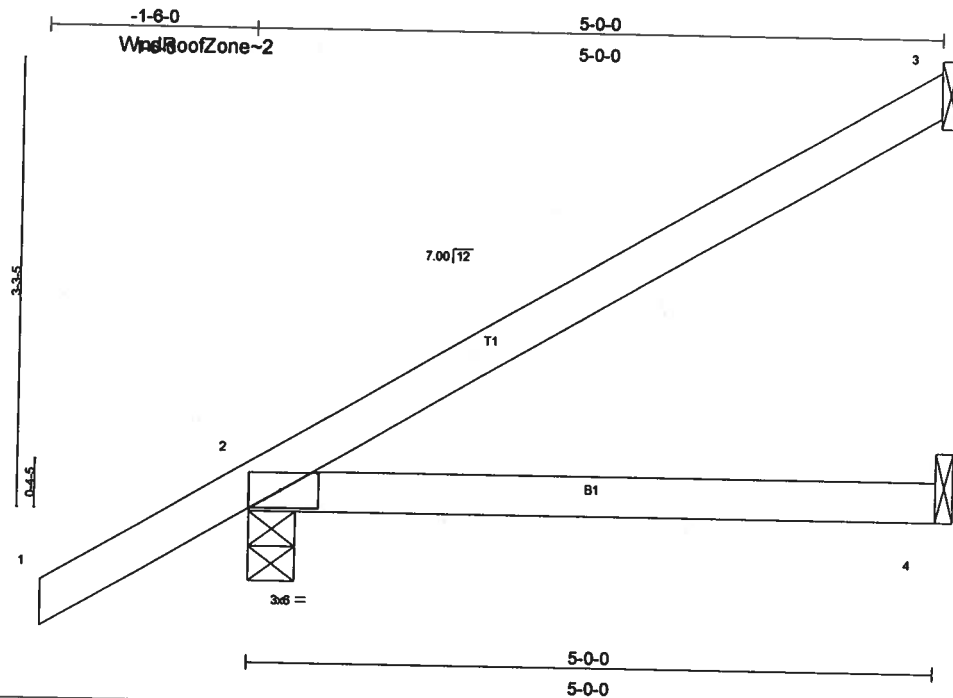


Plate Offsets (X,Y): 2-0-3-3-0-1-8

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.22	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.24	Vert(LL) 0.09 2-4 >671 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) 0.07 2-4 >784 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2004/TP12002				
				Weight: 19 lb	

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

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

REACTIONS (lb/size) 3=113/Mechanical, 2=306/0-4-0, 4=72/Mechanical
 Max Horz 2=189(load case 5)
 Max Uplift 3=-110(load case 5), 2=-209(load case 5), 4=-56(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/40, 2-3=-85/46
 BOT CHORD 2-4=0/0

JOINT STRESS INDEX
 2 = 0.12

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 3, 209 lb uplift at joint 2 and 56 lb uplift at joint 4.

LOAD CASE(S) Standard

Job L217949	Truss EJ5	Truss Type JACK	Qty 11	Ply 1	LOT 26 WISE ESTATES
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)
6.300 s Apr 19 2008 MiTek Industries, Inc. Thu Nov 16 11:29:45 2006 Page 1					

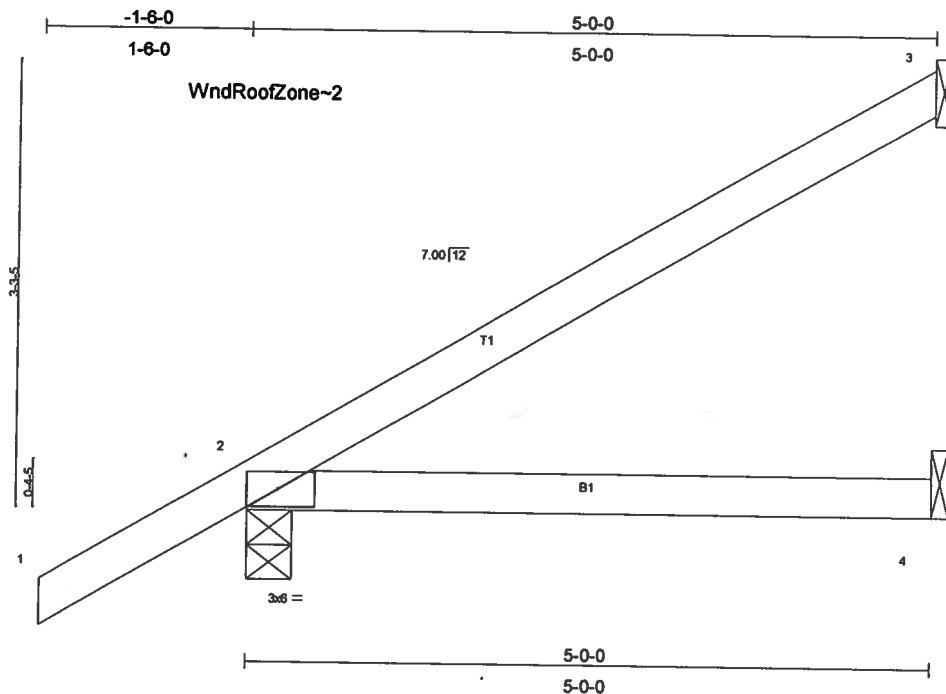


Plate Offsets (X,Y): [2,0-3-3,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.22	Verf(LL)	0.09	2-4	>672	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.24	Verf(TL)	0.07	2-4	>784	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 19 lb	

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

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

REACTIONS (lb/size) 3=113/Mechanical, 2=306/0-4-0, 4=72/Mechanical
 Max Horz 2=189(load case 5)
 Max Uplift 3=110(load case 5), 2=209(load case 5), 4=56(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/40, 2-3=-85/46
 BOT CHORD 2-4=0/0

JOINT STRESS INDEX
 2 = 0.12

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 110 lb uplift at joint 3, 209 lb uplift at joint 2 and 56 lb uplift at joint 4.

LOAD CASE(S) Standard

Job L217949	Truss EJ7	Truss Type MONO TRUSS	Qty 29	Ply 1	LOT 26 WISE ESTATES
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2008 Mitek Industries, Inc. Thu Nov 18 11:34:16 2008 Page 1		

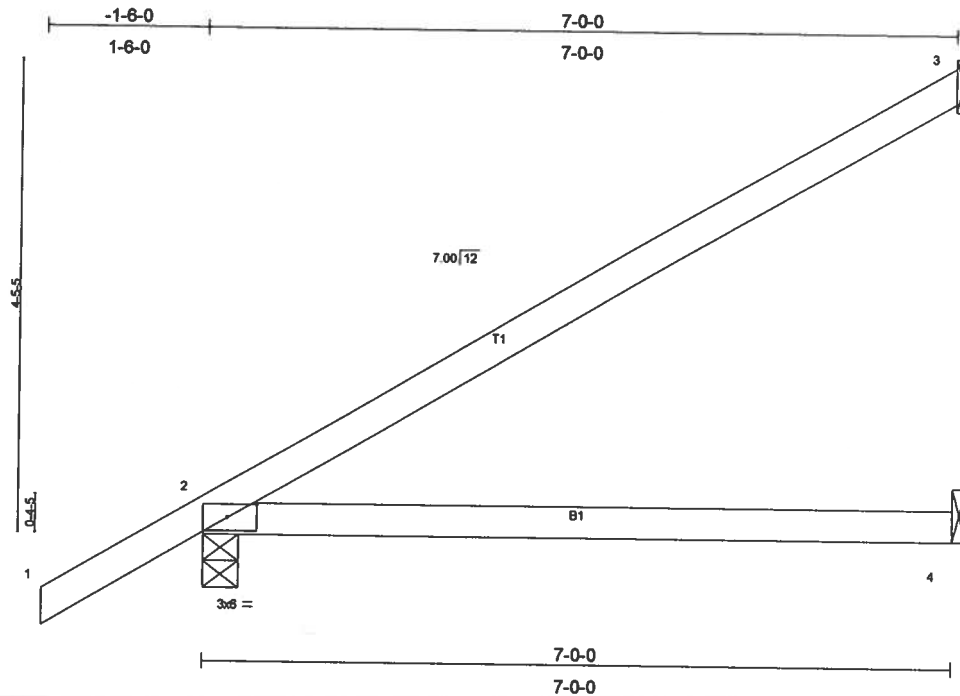


Plate Offsets (X,Y): [2-0-3-3-0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.46	Vert(LL)	0.31	2-4	>262	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.43	Vert(TL)	0.26	2-4	>316	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
Weight: 25 lb										

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

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

REACTIONS (lb/size) 3=165/Mechanical, 2=385/0-4-0, 4=109/Mechanical
 Max Horz 2=242(load case 5)
 Max Uplift 3=-160(load case 5), 2=-244(load case 5), 4=-74(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/40, 2-3=-112/66
 BOT CHORD 2-4=0/0

JOINT STRESS INDEX
 2 = 0.64

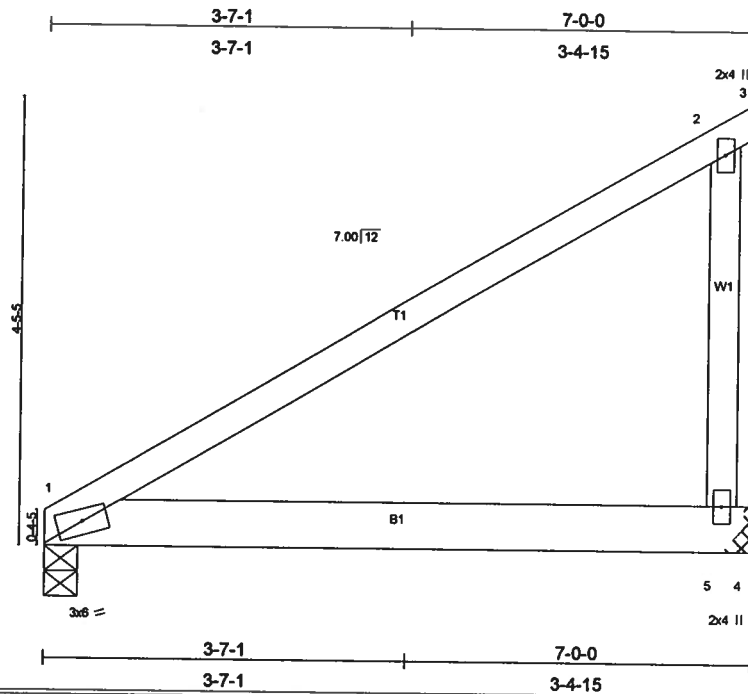
NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint 3, 244 lb uplift at joint 2 and 74 lb uplift at joint 4.

LOAD CASE(S) Standard

Job L217949	Truss EJ7G	Truss Type MONO TRUSS	Qty 1	Ply 1	LOT 26 WISE ESTATES
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		

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Scale = 1/22.0
Camber = 1/8 in

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.55	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.84	Vert(LL) -0.17 1-5 >460 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.05	Vert(TL) -0.27 1-5 >286 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.00 n/a n/a		
	Code FBC2004/TPI2002			Weight: 34 lb	

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

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

REACTIONS (lb/size) 1=871/0-4-0, 5=941/Mechanical
 Max Horz 1=185(load case 4)
 Max Uplift 1=-280(load case 4), 5=-424(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-112/68, 2-3=-2/0
 BOT CHORD 1-5=0/0, 4-5=0/0
 WEBS 2-5=-172/162

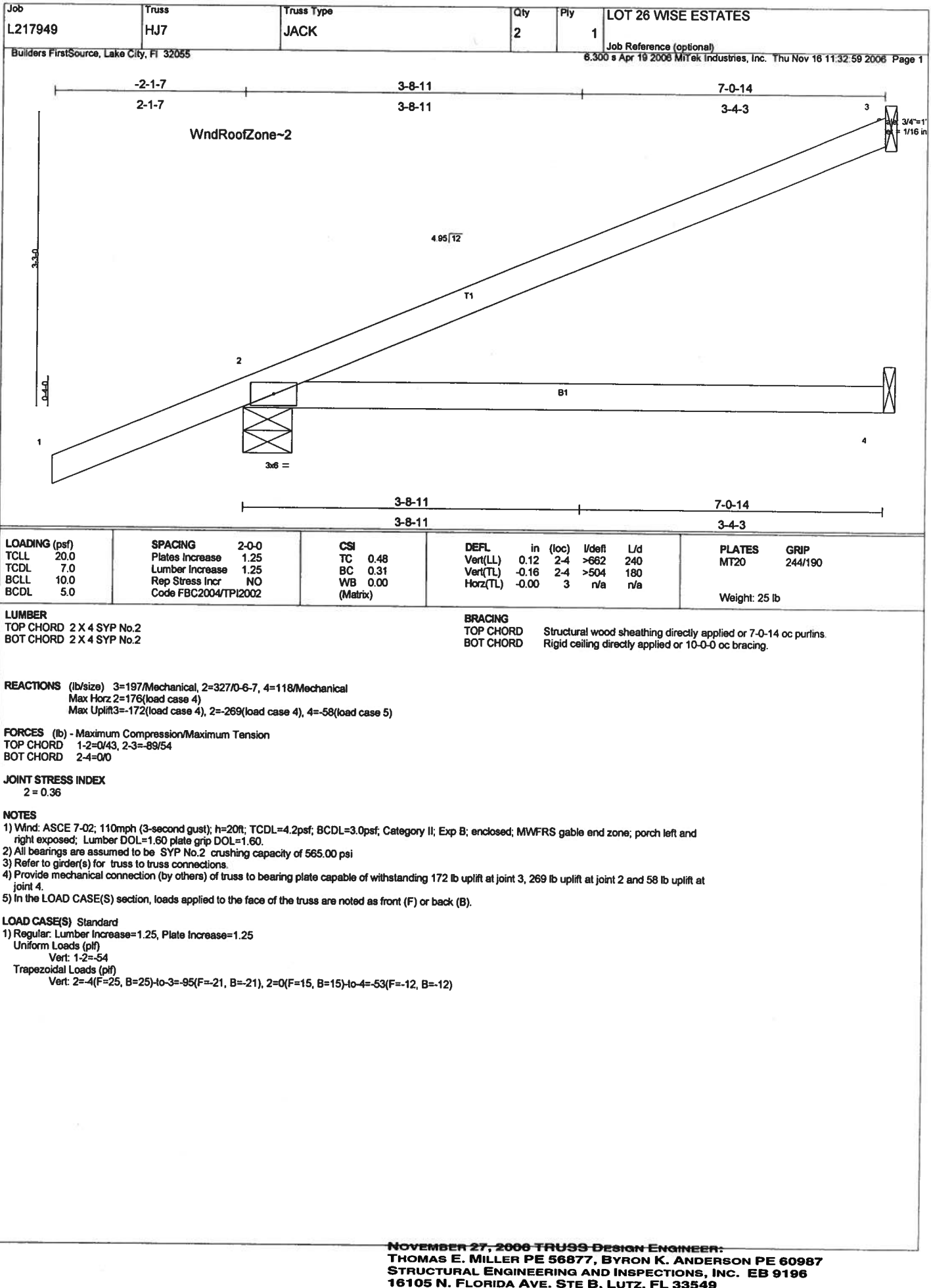
JOINT STRESS INDEX
 1 = 0.89, 2 = 0.09 and 5 = 0.09

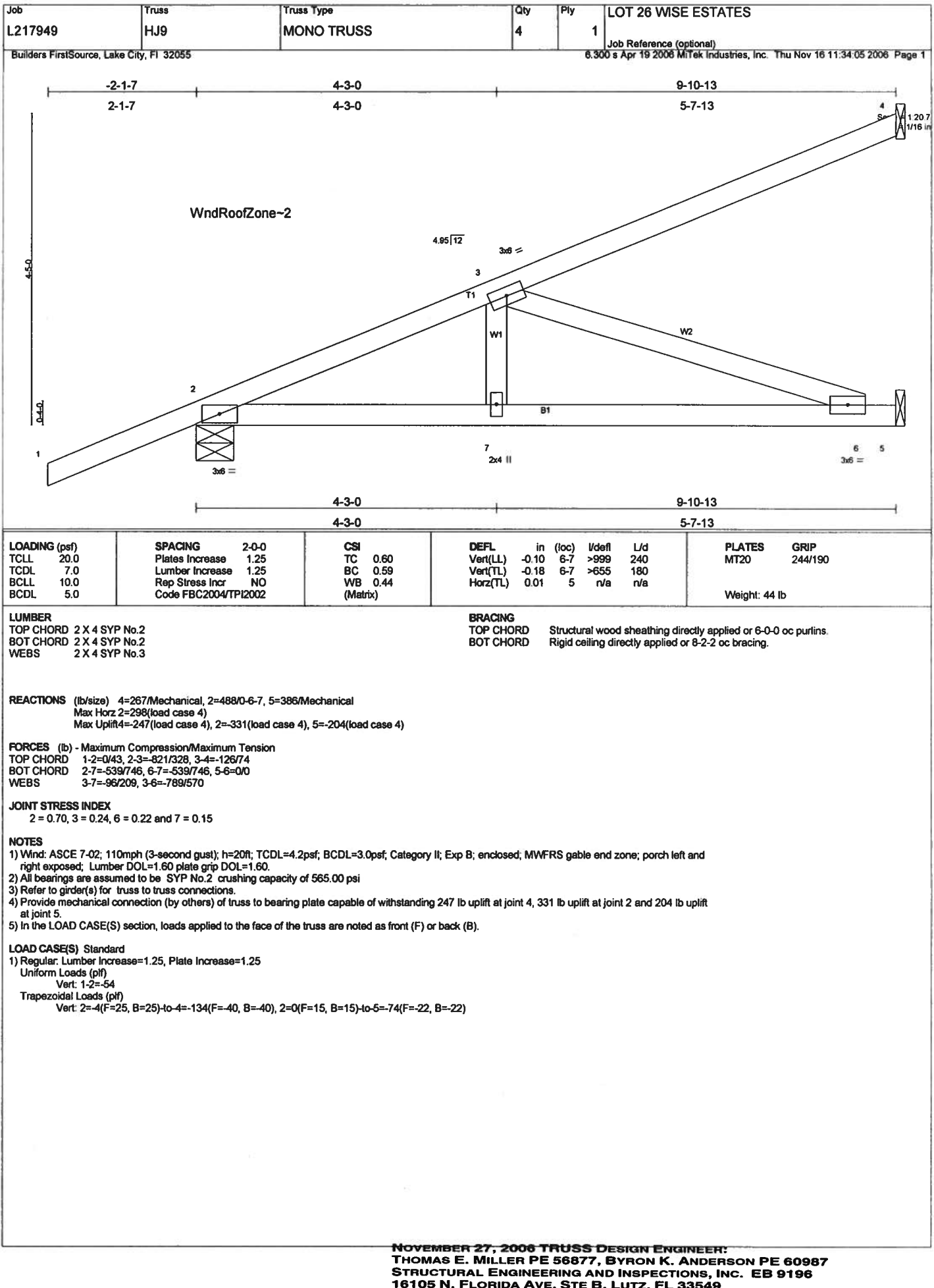
NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 280 lb uplift at joint 1 and 424 lb uplift at joint 5.
- 5) Girder carries tie-in span(s): 11-0-0 from 0-0-0 to 7-0-0
- 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

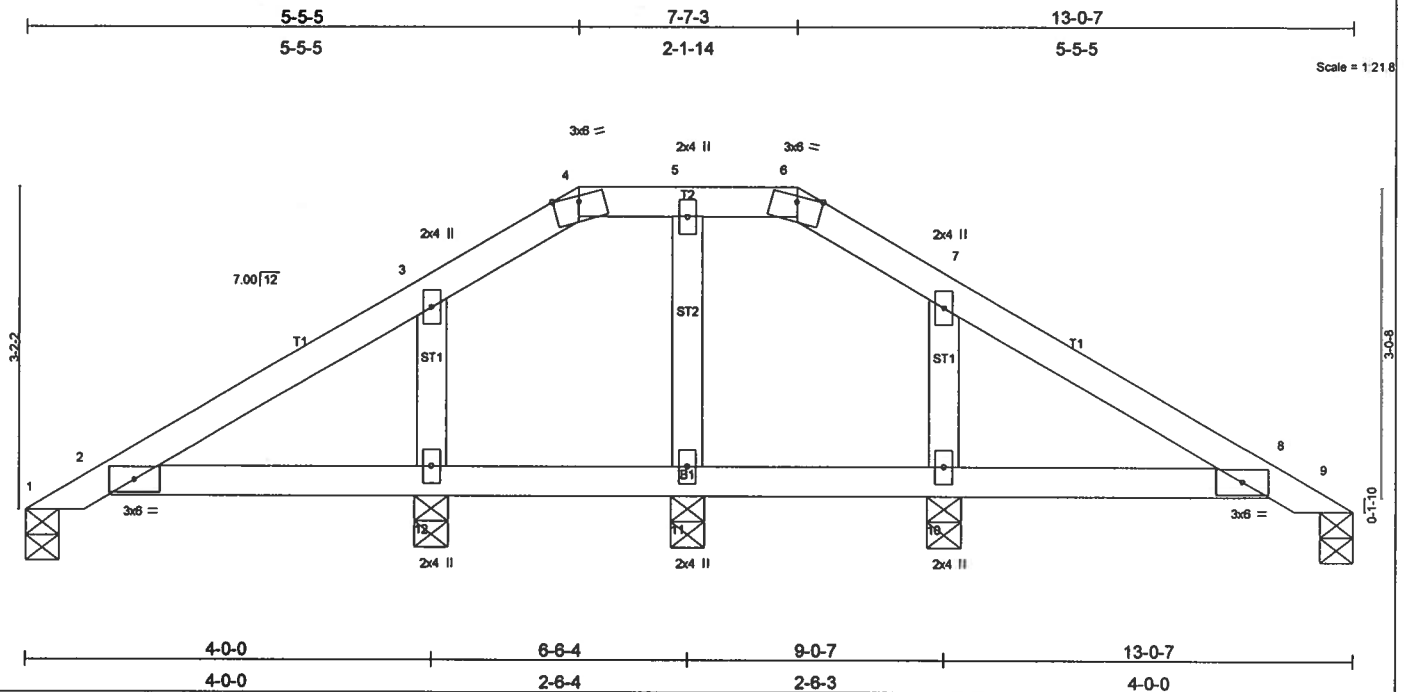
- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-54, 2-3=-14, 1-4=-213(F=-183)





Job L217949	Truss PB01	Truss Type VALLEY	Qty 1	Ply 1	LOT 26 WISE ESTATES
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2008 MiTek Industries, Inc. Thu Nov 16 11:34:55 2006 Page 1		

Scale = 1/2" = 1'-0"



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.15	Vert(LL)	-0.01	8-10	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.09	Vert(TL)	-0.01	8-10	>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 FBC2004/TP12002	(Matrix)							
									Weight: 47 lb

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

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

REACTIONS (lb/size) 1=66/0-4-0, 11=239/0-4-0, 10=335/0-4-0, 12=335/0-4-0, 9=66/0-4-0
 Max Horz 1=-108(load case 3)
 Max Uplift 1=-18(load case 6), 11=-68(load case 4), 10=-160(load case 6), 12=-168(load case 5), 9=-24(load case 3)
 Max Grav 1=80(load case 9), 11=239(load case 1), 10=335(load case 1), 12=335(load case 1), 9=80(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-101/106, 2-3=-94/185, 3-4=0/117, 4-5=0/113, 5-6=0/113, 6-7=0/117, 7-8=-70/185, 8-9=-35/16
 BOT CHORD 2-12=-113/112, 11-12=-113/112, 10-11=-113/112, 8-10=-113/112
 WEBS 5-11=-197/84, 7-10=-211/159, 3-12=-211/165

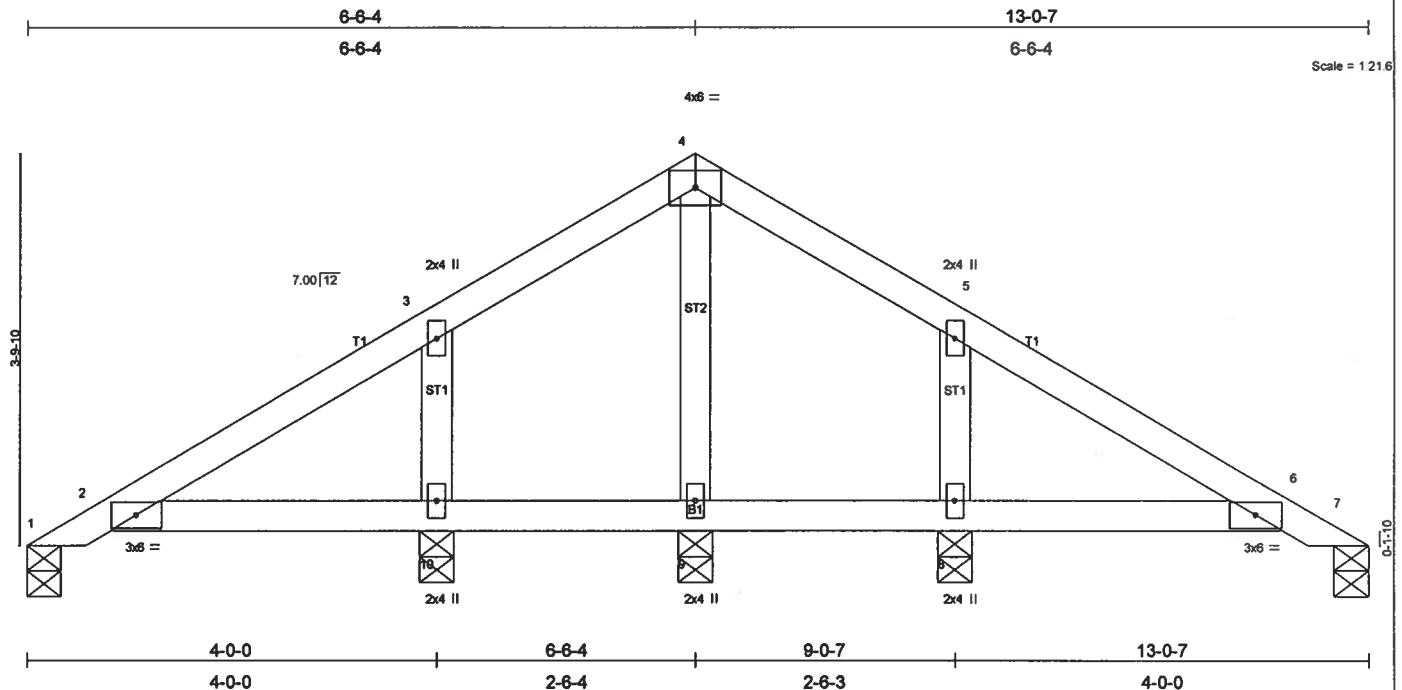
JOINT STRESS INDEX
 2 = 0.23, 3 = 0.09, 4 = 0.15, 5 = 0.07, 6 = 0.15, 7 = 0.09, 8 = 0.23, 10 = 0.09, 11 = 0.07 and 12 = 0.09

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Bearing at joint(s) 1, 9 considers parallel to grain value using ANSI/TP1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1, 68 lb uplift at joint 11, 160 lb uplift at joint 10, 168 lb uplift at joint 12 and 24 lb uplift at joint 9.
- SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

Job L217949	Truss PB02	Truss Type VALLEY	Qty 1	Ply 1	LOT 26 WISE ESTATES
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2008 MiTek Industries, Inc. Thu Nov 16 11:35:24 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.14	in (loc) l/defl L/d	MT20	244/190
BCDL 7.0	Plates Increase 1.25	BC 0.09	Vert(LL) -0.01 6-8 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.06	Vert(TL) -0.01 6-8 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 7 n/a n/a		
	Code FBC2004/TPI2002			Weight: 49 lb	

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

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

REACTIONS (lb/size) 1=59/0-4-0, 7=59/0-4-0, 9=295/0-4-0, 8=314/0-4-0, 10=314/0-4-0
 Max Horz 1=129(load case 4)
 Max Uplift 1=-23(load case 6), 7=-22(load case 6), 9=-32(load case 5), 8=-170(load case 6), 10=-175(load case 5)
 Max Grav 1=73(load case 9), 7=73(load case 10), 9=295(load case 1), 8=321(load case 10), 10=321(load case 9)

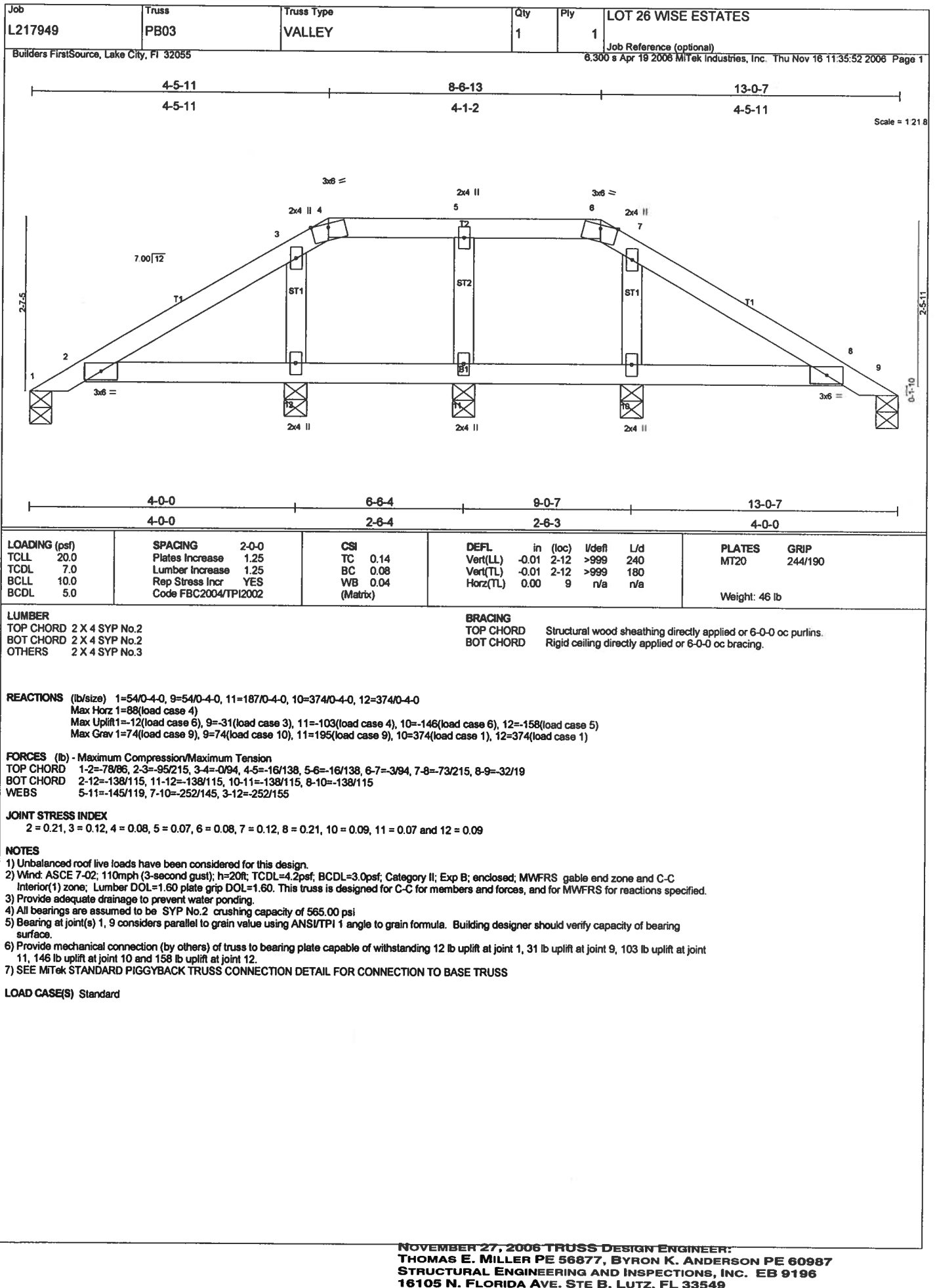
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-127/129, 2-3=-102/205, 3-4=-29/177, 4-5=-9/177, 5-6=-70/205, 6-7=-32/14
 BOT CHORD 2-10=-131/111, 9-10=-131/111, 8-9=-131/111, 6-8=-131/111
 WEBS 4-9=-252/57, 5-8=-196/170, 3-10=-196/173

JOINT STRESS INDEX
 2 = 0.22, 3 = 0.09, 4 = 0.07, 5 = 0.09, 6 = 0.22, 8 = 0.10, 9 = 0.09 and 10 = 0.10

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 1, 22 lb uplift at joint 7, 32 lb uplift at joint 9, 170 lb uplift at joint 8 and 175 lb uplift at joint 10.
- SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard



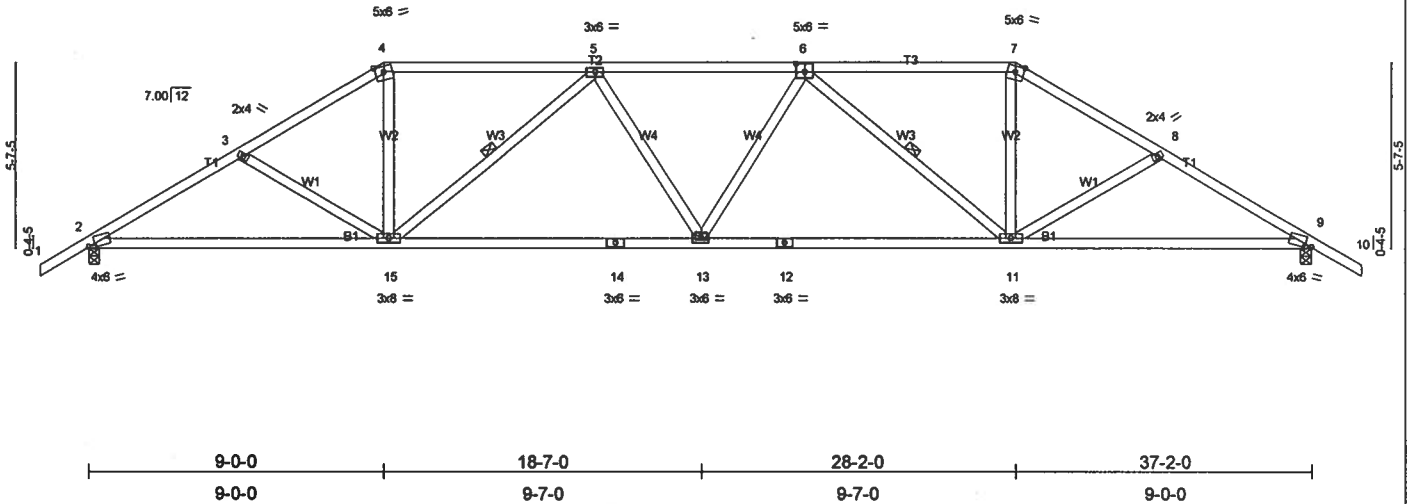
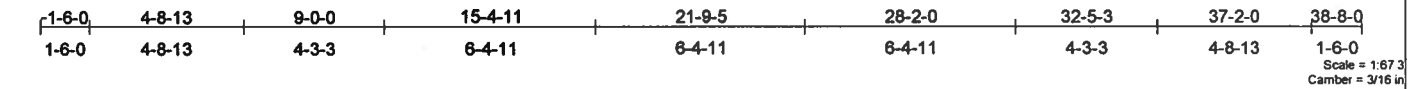


Plate Offsets (X,Y): [2:0-2-6,0-0-11], [6:0-3-0,0-3-0], [9:0-2-6,0-0-11]											
LOADING (psf)		SPACING 2-0-0		CSI		DEFL in (loc) l/defl l/d				PLATES GRIP	
TCLL	20.0	Plates Increase 1.25		TC 0.30		Vert(LL) -0.29 13-15 >999 240				MT20 244/190	
TCDL	7.0	Lumber Increase 1.25		BC 0.74		Vert(TL) -0.47 13-15 >932 180					
BCLL	10.0	Rep Stress Incr YES		WB 0.28		Horz(TL) 0.14 9 n/a n/a					
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 191 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 3-7-11 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 6-2-14 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 5-15, 6-11

REACTIONS (lb/size) 2=1637/0-4-0, 9=1637/0-4-0
Max Horz 2=189(load case 4)
Max Uplift2=-525(load case 5), 9=-525(load case 6)

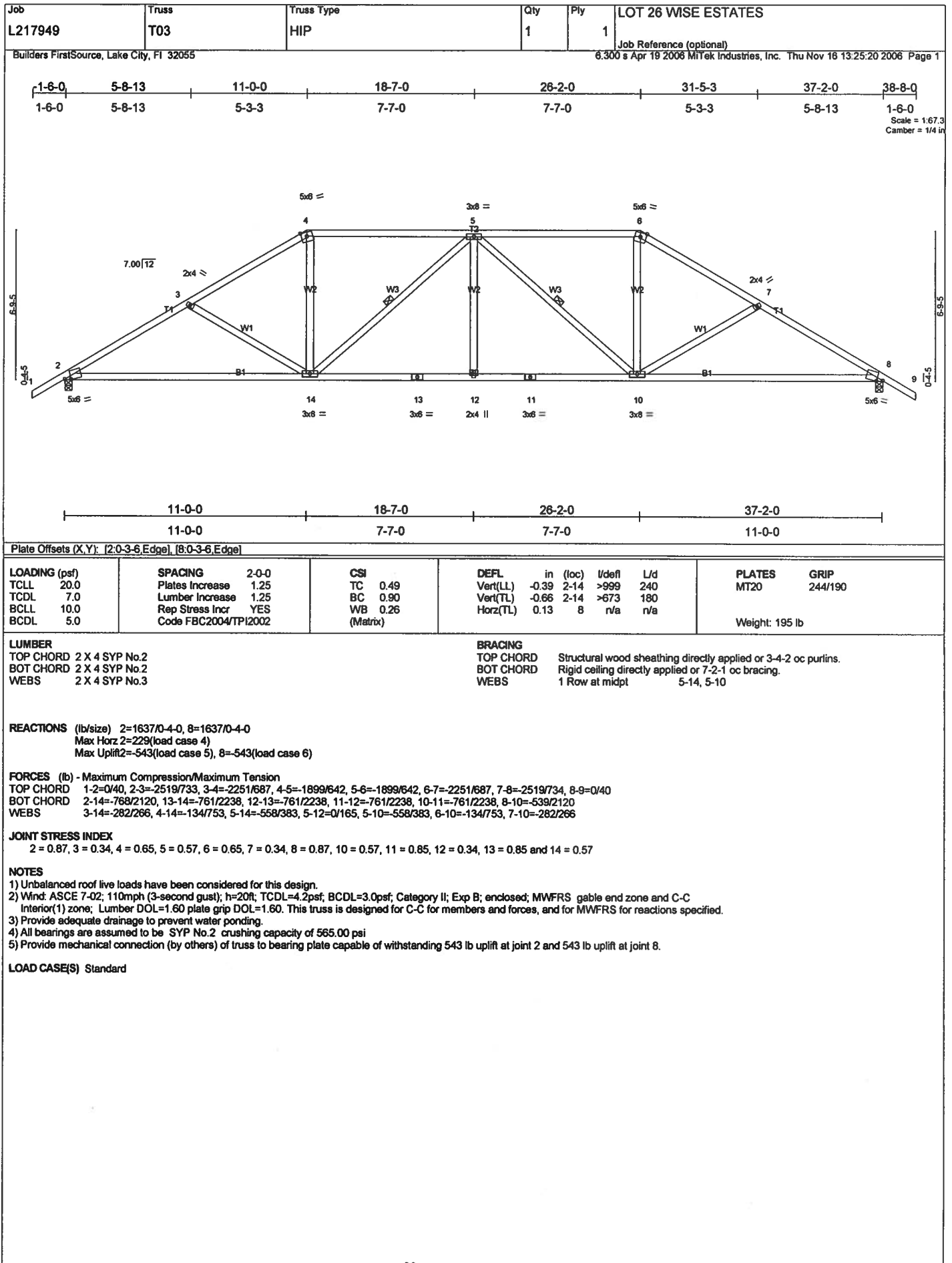
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/40, 2-3=-2576/862, 3-4=-2378/837, 4-5=-2031/769, 5-6=-2686/981, 6-7=-2031/769, 7-8=-2378/837, 8-9=-2576/862, 9-10=0/40
BOT CHORD 2-15=-849/2162, 14-15=-1032/2602, 13-14=-1032/2602, 12-13=-974/2602, 11-12=-974/2602, 9-11=-681/2162
WEBS 3-15=-182/202, 4-15=-212/871, 5-15=-823/504, 5-13=-23/209, 6-13=-23/209, 6-11=-823/504, 7-11=-212/871, 8-11=-182/202

JOINT STRESS INDEX
2 = 0.88, 3 = 0.34, 4 = 0.56, 5 = 0.43, 6 = 0.58, 7 = 0.56, 8 = 0.34, 9 = 0.88, 11 = 0.57, 12 = 0.96, 13 = 0.43, 14 = 0.96 and 15 = 0.57

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 525 lb uplift at joint 2 and 525 lb uplift at joint 9.

LOAD CASE(S) Standard



Job L217949	Truss T04	Truss Type HIP	Qty 1	Ply 1	LOT 26 WISE ESTATES
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Nov 16 13:25:58 2006 Page 1		

Scale = 1/4\"/>

Plate Offsets (X,Y): [1:0-3-8,Edge], [7:0-3-0,0-1-8]										
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP	
TCLL 20.0	Plates Increase	1.25	TC 0.47	Vert(LL)	-0.14	1-12	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.51	Vert(TL)	-0.24	1-12	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.59	Horz(TL)	0.04	8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
						Weight: 151 lb				

LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 WEBS 2 X 4 SYP No.3 SLIDER Left 2 X 4 SYP No.3 2-7-11	BRACING TOP CHORD Structural wood sheathing directly applied or 5-0-8 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 8-8-11 oc bracing.
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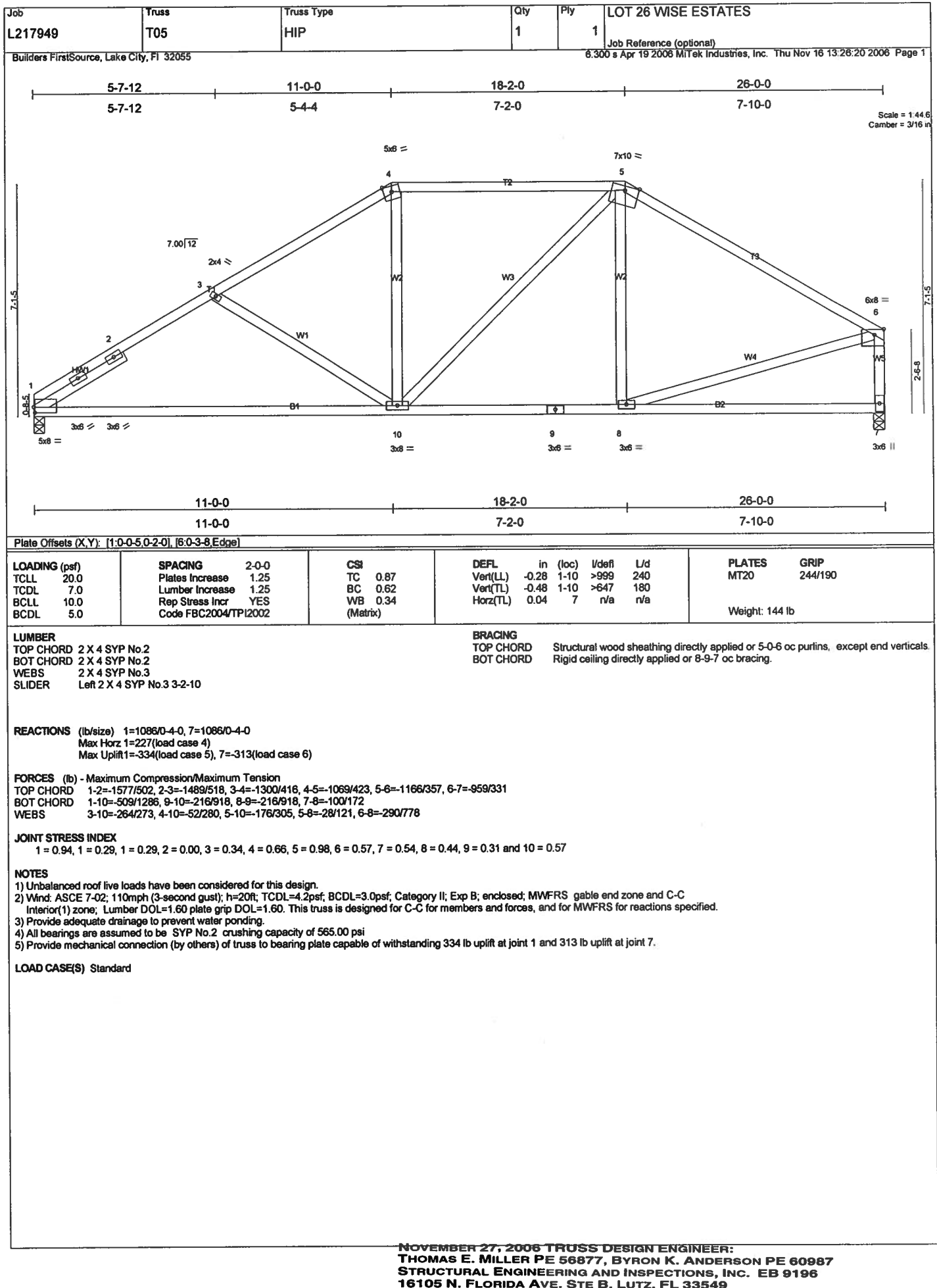
REACTIONS (lb/size) 1=1086/0-4-0, 8=1086/0-4-0
 Max Horz 1=187(load case 4)
 Max Uplift 1=321(load case 5), 8=296(load case 6)

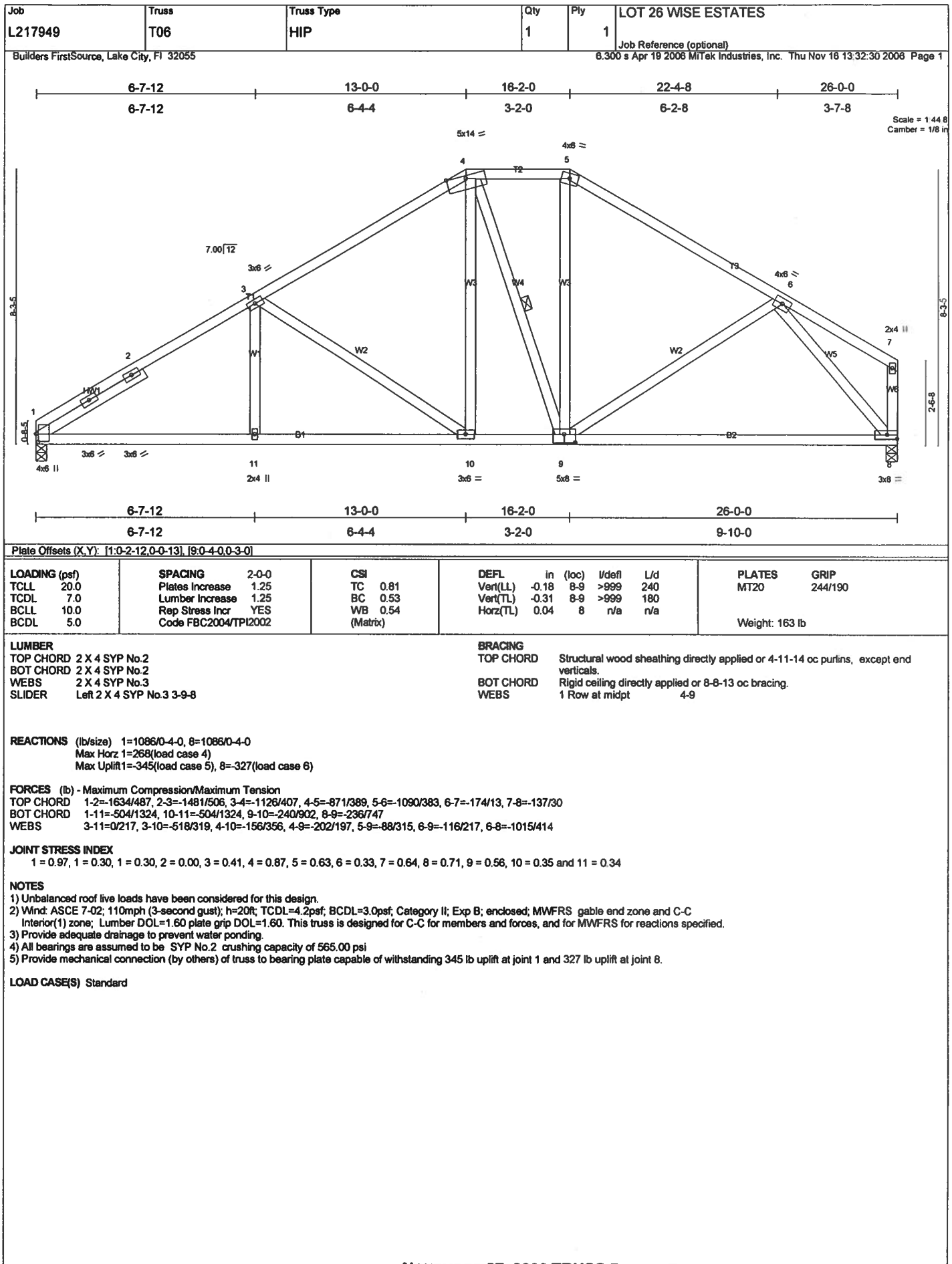
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1616/486, 2-3=-1550/500, 3-4=-1412/454, 4-5=-1185/432, 5-6=-907/350, 6-7=-1119/346, 7-8=-998/321
 BOT CHORD 1-12=-525/1313, 11-12=-482/1253, 10-11=-482/1253, 9-10=-482/1253, 8-9=-54/69
 WEBS 3-12=-171/207, 4-12=-59/394, 5-12=-197/220, 5-11=0/136, 5-9=-553/304, 6-9=-66/278, 7-9=-321/874

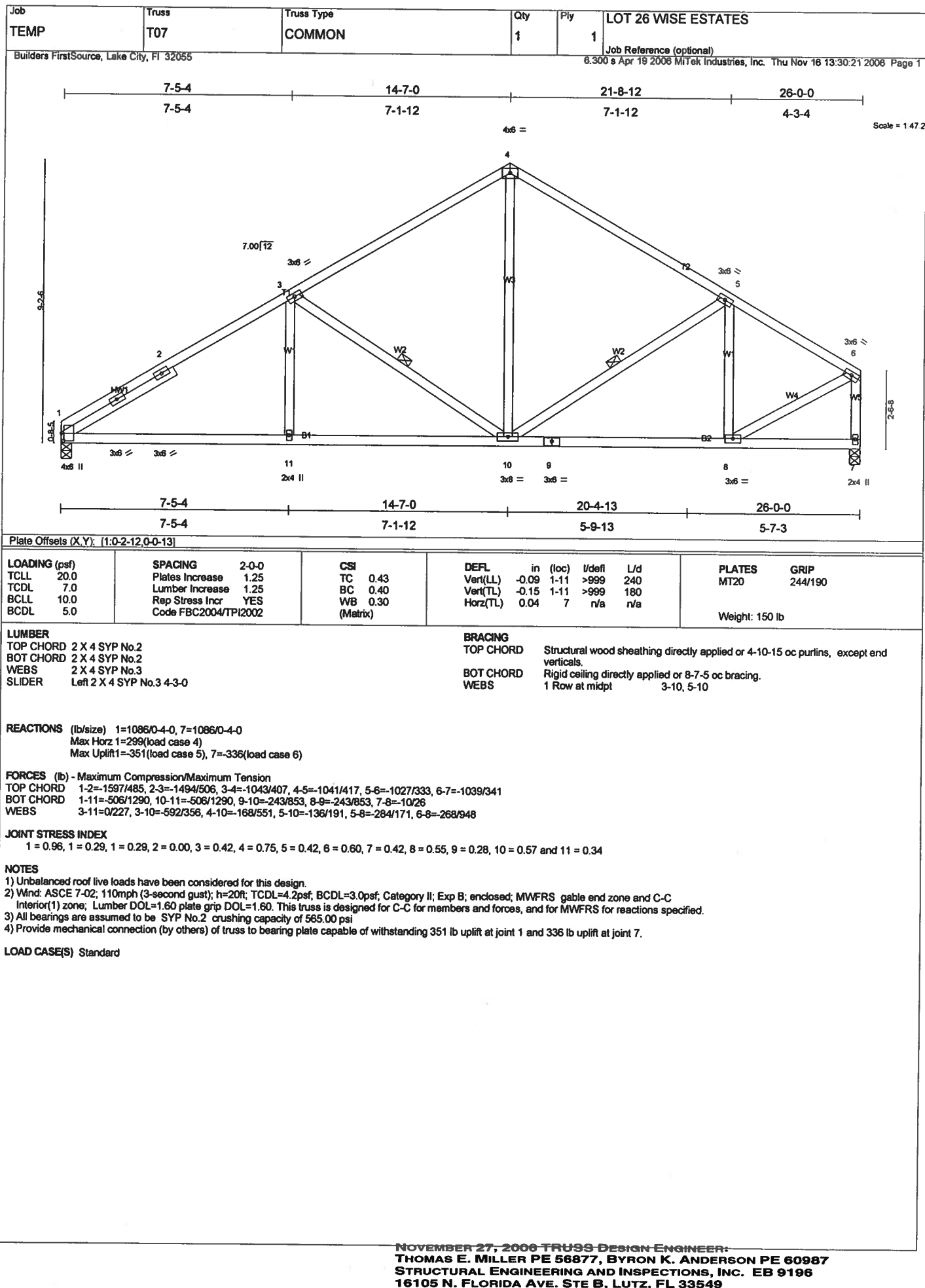
JOINT STRESS INDEX
 1 = 0.89, 1 = 0.59, 2 = 0.00, 3 = 0.34, 4 = 0.53, 5 = 0.57, 6 = 0.56, 7 = 0.78, 8 = 0.30, 9 = 0.81, 10 = 0.48, 11 = 0.34 and 12 = 0.57

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide adequate drainage to prevent water ponding.
 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 321 lb uplift at joint 1 and 296 lb uplift at joint 8.

LOAD CASE(S) Standard







Job L217949	Truss T08	Truss Type SPECIAL	Qty 1	Ply 1	LOT 26 WISE ESTATES
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Nov 16 13:34:20 2006 Page 1		

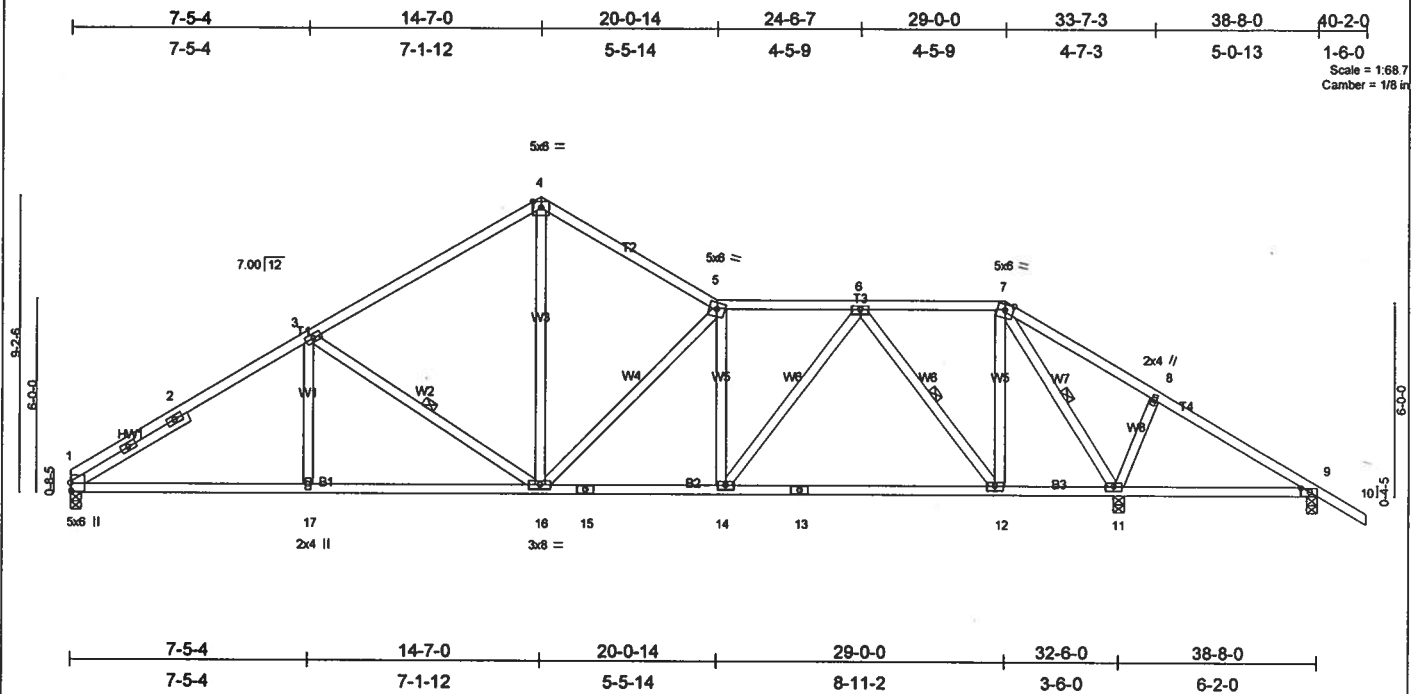


Plate Offsets (X, Y): [1:0-3-0-0-0-5], [9:0-3-3-0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.41	Vert(LL)	-0.19 12-14	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.55	Vert(TL)	-0.33 12-14	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.76	Horz(TL)	0.07 11	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)						
									Weight: 225 lb

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3
 SLIDER Left 2 X 4 SYP No.3 4-3-0

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-5-7 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 3-16, 6-12, 7-11

REACTIONS (lb/size) 1=1288/0-4-0, 11=2078/0-4-0, 9=42/0-4-0
 Max Horz 1=328(load case 3)
 Max Uplift 1=408(load case 5), 11=666(load case 6), 9=120(load case 9)
 Max Grav 1=1288(load case 1), 11=2078(load case 1), 9=88(load case 4)

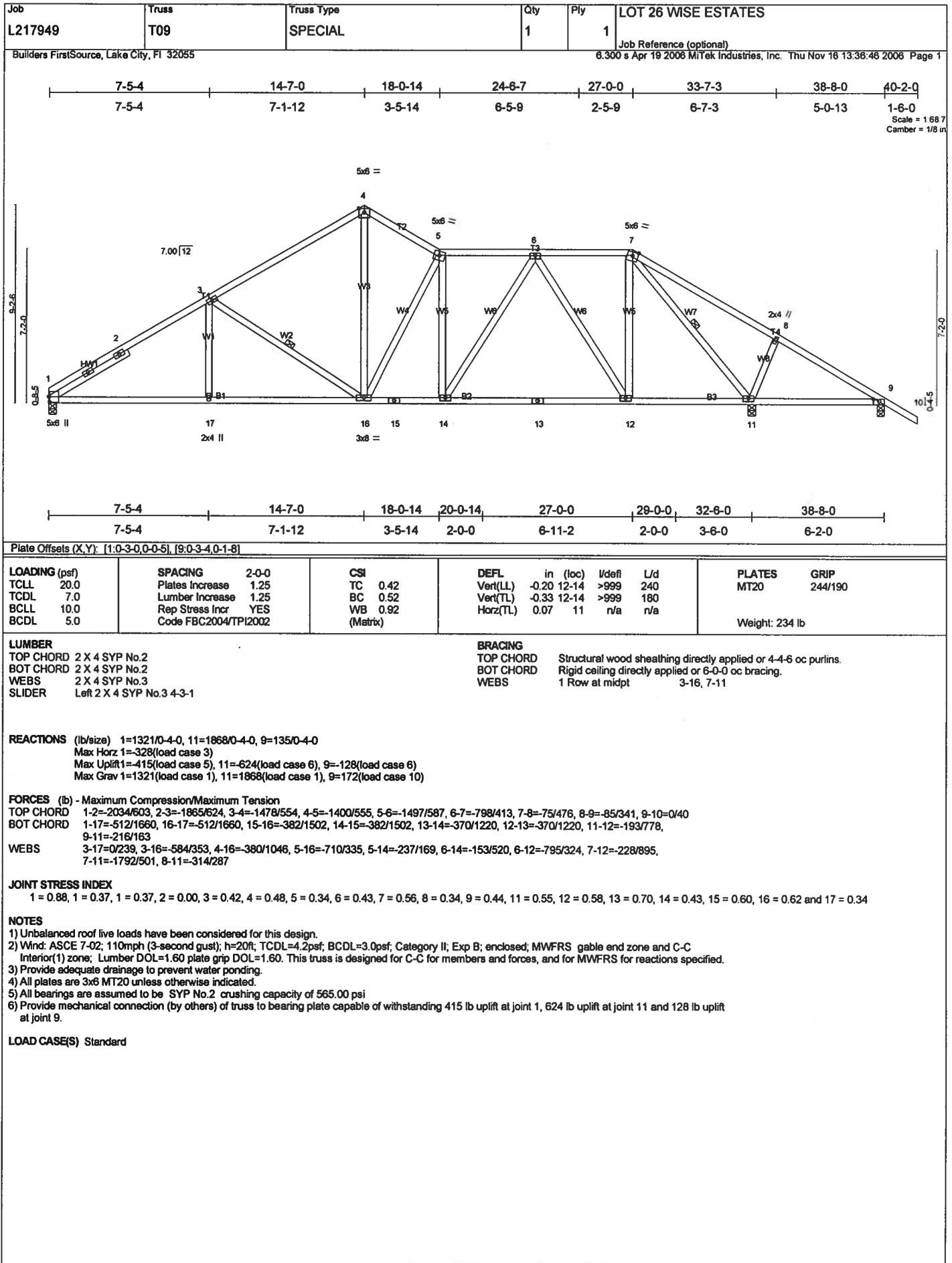
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1973/590, 2-3=-1803/611, 3-4=-1418/542, 4-5=-1383/532, 5-6=-1595/618, 6-7=-422/279, 7-8=-130/784, 8-9=-167/697, 9-10=0/40
 BOT CHORD 1-17=-501/1608, 16-17=-501/1608, 15-16=-340/1605, 14-15=-340/1605, 13-14=-326/1099, 12-13=-326/1099, 11-12=-116/394,
 9-11=-527/243
 WEBS 3-17=0/236, 3-16=-587/353, 4-16=-326/959, 5-16=-693/355, 5-14=-428/224, 6-14=-225/822, 6-12=-1122/373, 7-12=-252/1088,
 7-11=-1974/551, 8-11=-265/229

JOINT STRESS INDEX
 1 = 0.86, 1 = 0.36, 2 = 0.00, 3 = 0.42, 4 = 0.50, 5 = 0.47, 6 = 0.59, 7 = 0.52, 8 = 0.34, 9 = 0.40, 11 = 0.66, 12 = 0.71, 13 = 0.54, 14 = 0.59, 15 = 0.55, 16 = 0.57 and 17 = 0.34

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All plates are 3x6 MT20 unless otherwise indicated.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 408 lb uplift at joint 1, 666 lb uplift at joint 11 and 120 lb uplift at joint 9.

LOAD CASE(S) Standard



Job L217949	Truss T10	Truss Type SPECIAL	Qty 1	Ply 1	LOT 26 WISE ESTATES Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055

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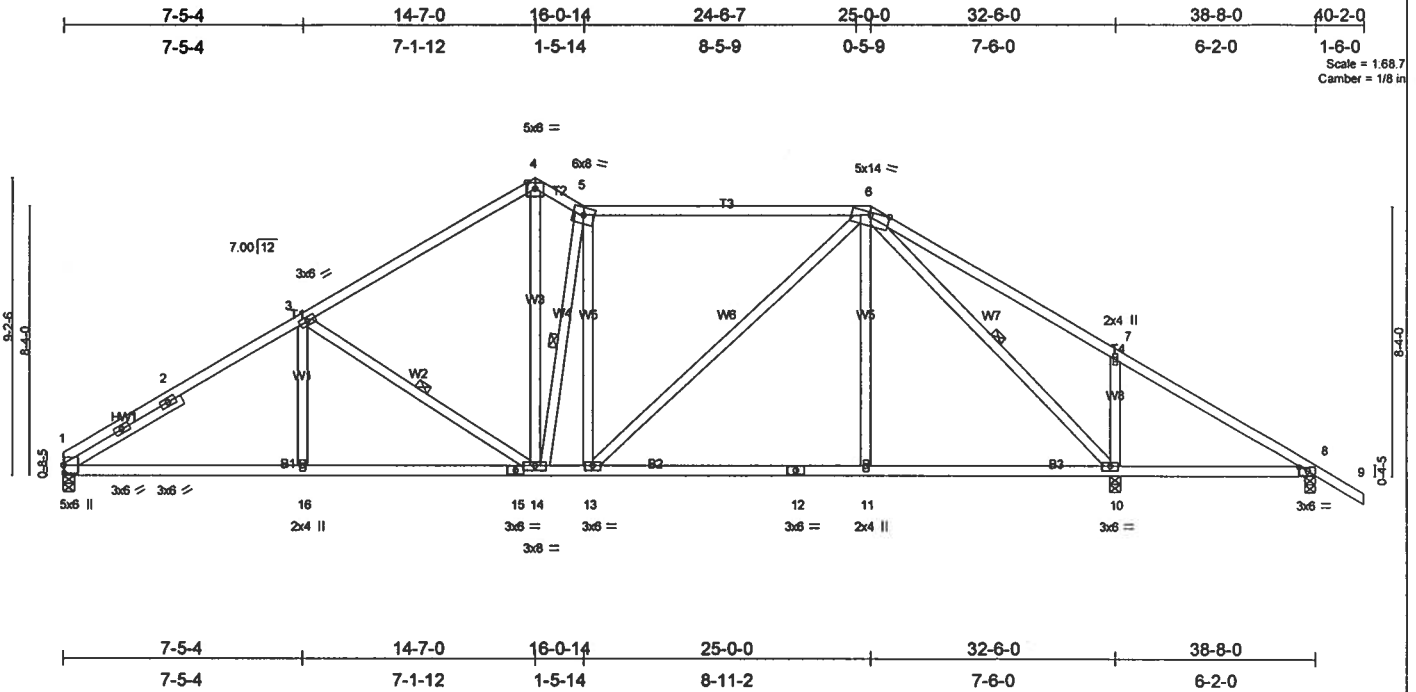


Plate Offsets (X,Y): [1:0-3-0,0-0-5], [8:0-3-4,0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.51	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.51	Vert(LL) -0.18 11-13 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.89	Vert(TL) -0.31 11-13 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.07 10 n/a n/a		
	Code FBC2004/TP12002			Weight: 236 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-4-1 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 3-14, 5-14, 6-10

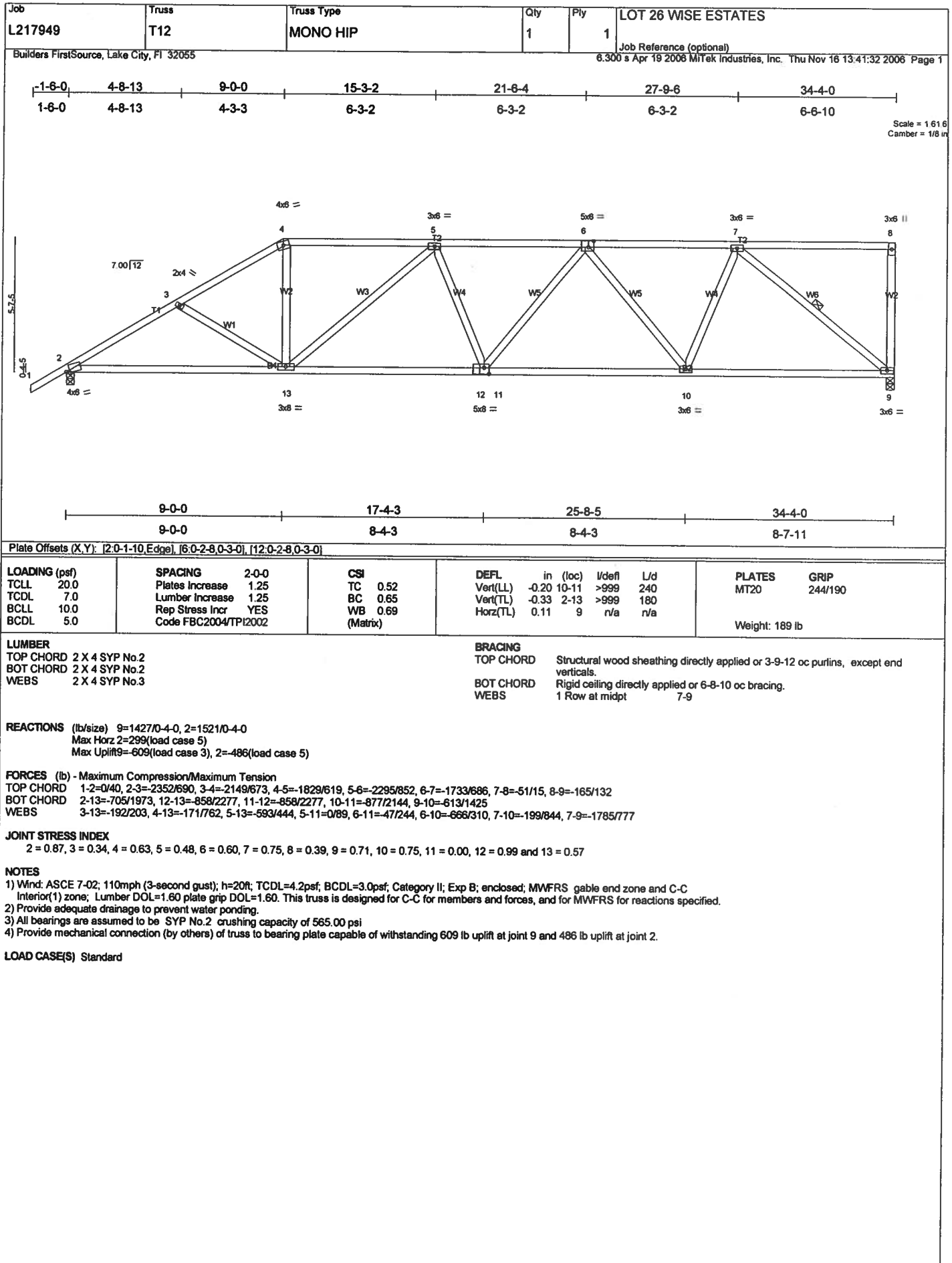
REACTIONS (lb/size) 1=1343/0-4-0, 10=1745/0-4-0, 8=236/0-4-0
 Max Horz 1=328(load case 3)
 Max Uplift 1=420(load case 5), 10=616(load case 6), 8=134(load case 6)
 Max Grav 1=1343(load case 1), 10=1745(load case 1), 8=248(load case 10)

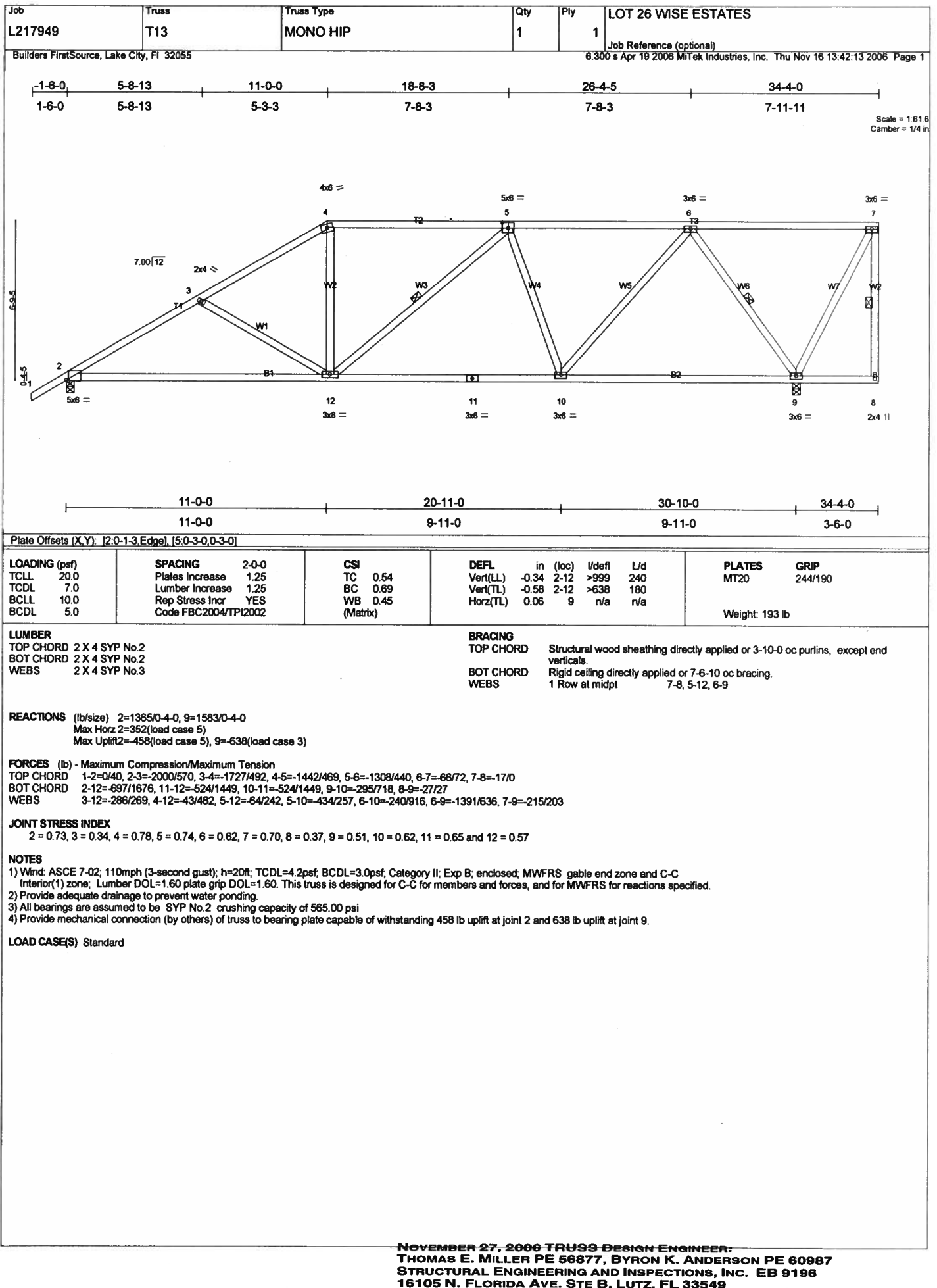
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=2073/611, 2-3=-1903/632, 3-4=-1523/558, 4-5=-1452/612, 5-6=-1382/567, 6-7=-64/219, 7-8=-94/206, 8-9=0/40
 BOT CHORD 1-16=-541/1692, 15-16=-541/1692, 14-15=-541/1692, 13-14=-440/1385, 12-13=-260/979, 11-12=-260/979, 10-11=-261/974, 8-10=-94/201
 WEBS 3-16=0/236, 3-14=-572/350, 4-14=-491/1208, 5-14=-907/404, 5-13=-185/201, 6-13=-239/546, 6-11=0/252, 6-10=-1564/411, 7-10=-375/370

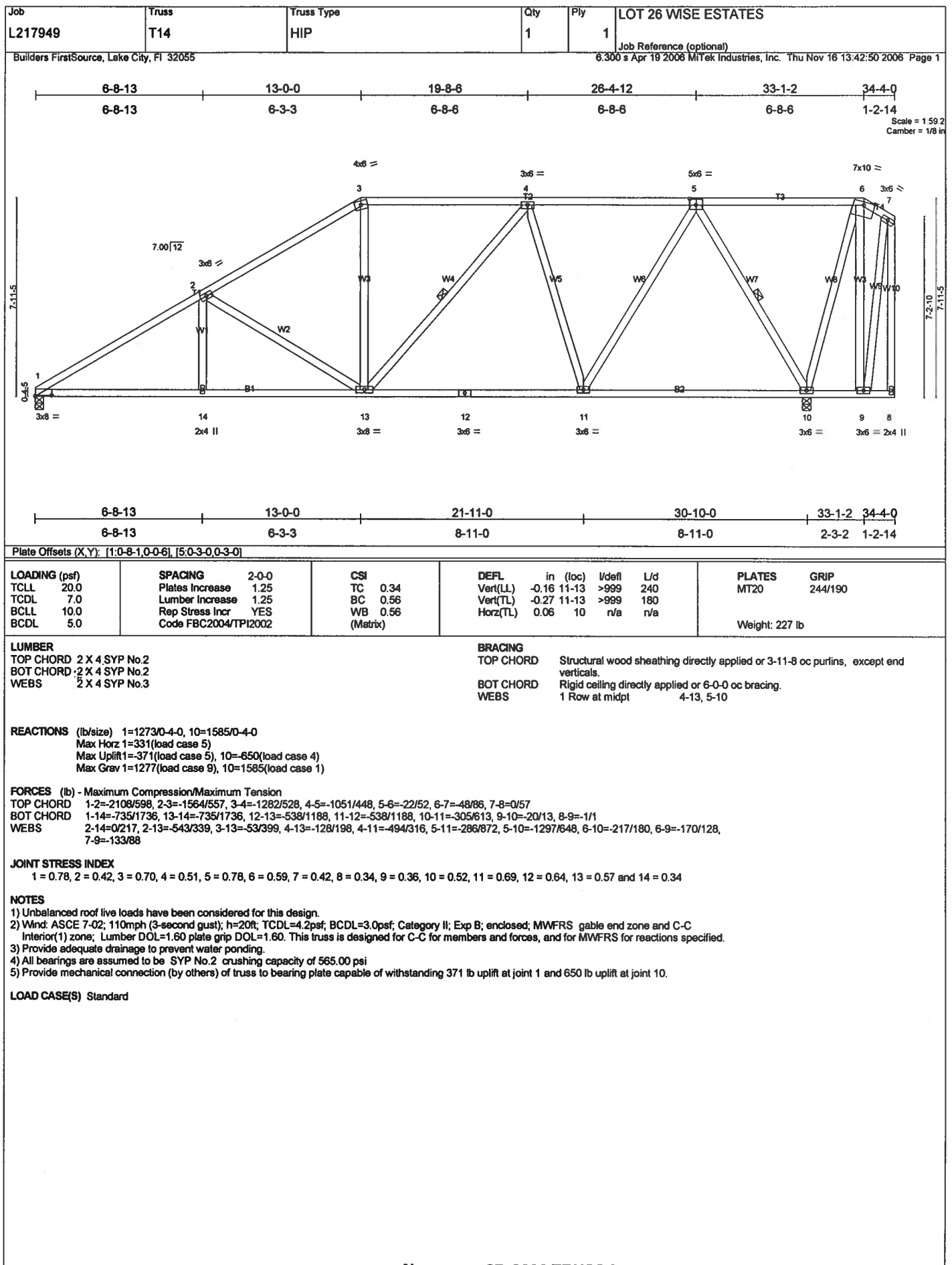
JOINT STRESS INDEX
 1 = 0.90, 1 = 0.38, 1 = 0.38, 2 = 0.00, 3 = 0.42, 4 = 0.52, 5 = 0.79, 6 = 0.43, 7 = 0.34, 8 = 0.25, 10 = 0.51, 11 = 0.34, 12 = 0.42, 13 = 0.36, 14 = 0.61, 15 = 0.63 and 16 = 0.34

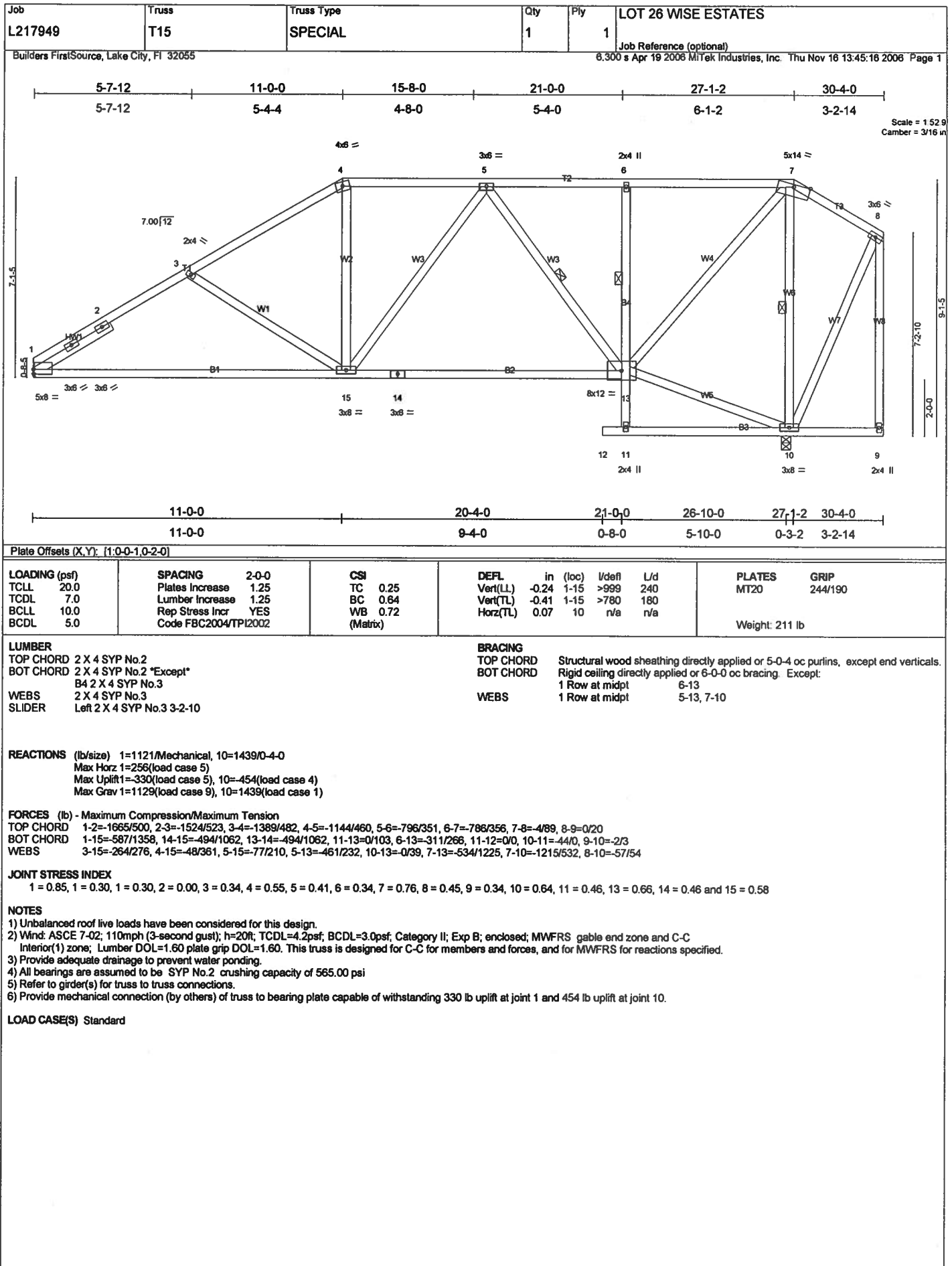
NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide adequate drainage to prevent water ponding.
 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 420 lb uplift at joint 1, 616 lb uplift at joint 10 and 134 lb uplift at joint 8.

LOAD CASE(S) Standard









Job L217949	Truss T16	Truss Type SPECIAL	Qty 1	Ply 1	LOT 26 WISE ESTATES
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Nov 16 13:46:23 2006 Page 1		

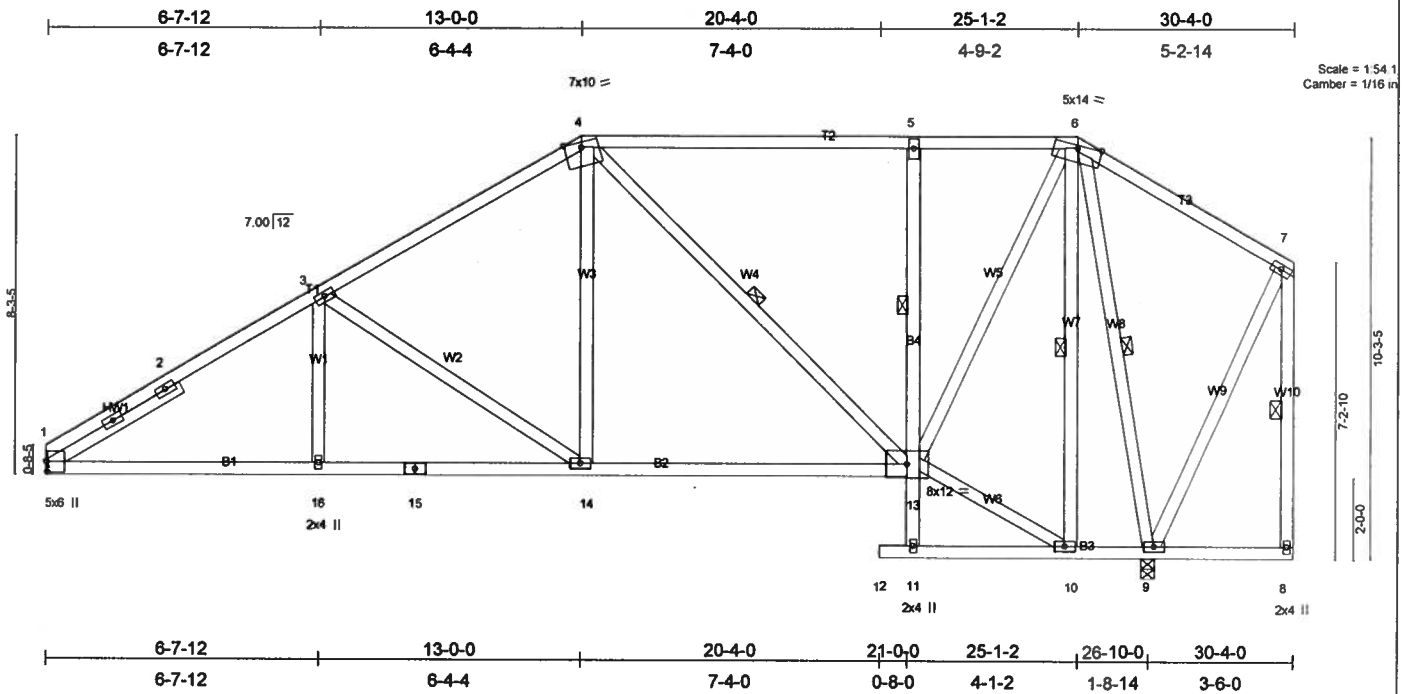


Plate Offsets (X,Y): (1:0-3:0:0-5)

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCCL 20.0	2-0-0	TC 0.38	in (loc) l/defl L/d	MT20	244/190
BCDL 7.0	Plates Increase 1.25	BC 0.40	Vert(LL) -0.11 13-14 >999 240		
BCCL 10.0	Lumber Increase 1.25	WB 0.64	Vert(TL) -0.19 13-14 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.06 9 n/a n/a		
	Code FBC2004/TPI2002			Weight: 229 lb	

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 "Except"
 B4 2 X 4 SYP No.3
 WEBS 2 X 4 SYP No.3
 SLIDER Left 2 X 4 SYP No.3 3-9-8

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
 1 Row at midpt 5-13
 WEBS 1 Row at midpt 4-13, 6-10, 6-9, 7-8

REACTIONS (lb/size) 1=895/Mechanical, 9=1095/0-4-0
 Max Horz 1=264(load case 5)
 Max Uplift 1=-298(load case 5), 9=-358(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1432/434, 2-3=-1408/453, 3-4=-1158/371, 4-5=-662/270, 5-6=-643/262, 6-7=-9/37, 7-8=-9/7
 BOT CHORD 1-16=-551/1198, 15-16=-551/1198, 14-15=-551/1198, 13-14=-411/949, 11-13=0/84, 5-13=-379/338, 11-12=0/0, 10-11=-28/0, 9-10=-82/175, 8-9=-10/5
 WEBS 3-16=0/187, 3-14=-306/278, 4-14=-105/397, 4-13=-402/216, 10-13=-62/229, 6-13=-486/1057, 6-10=-32/66, 6-9=-1045/354, 7-9=-60/102

JOINT STRESS INDEX
 1 = 0.87, 1 = 0.26, 1 = 0.26, 2 = 0.00, 3 = 0.42, 4 = 0.99, 5 = 0.29, 6 = 0.51, 7 = 0.44, 8 = 0.34, 9 = 0.44, 10 = 0.35, 11 = 0.34, 13 = 0.75, 14 = 0.35, 15 = 0.49 and 16 = 0.34

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- All plates are 3x6 MT20 unless otherwise indicated.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 298 lb uplift at joint 1 and 358 lb uplift at joint 9.

LOAD CASE(S) Standard

Job L217949	Truss T17	Truss Type SPECIAL	Qty 1	Ply 1	LOT 26 WISE ESTATES
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6,300 s Apr 19 2006 MiTek Industries, Inc. Thu Nov 16 13:47:58 2006 Page 1		

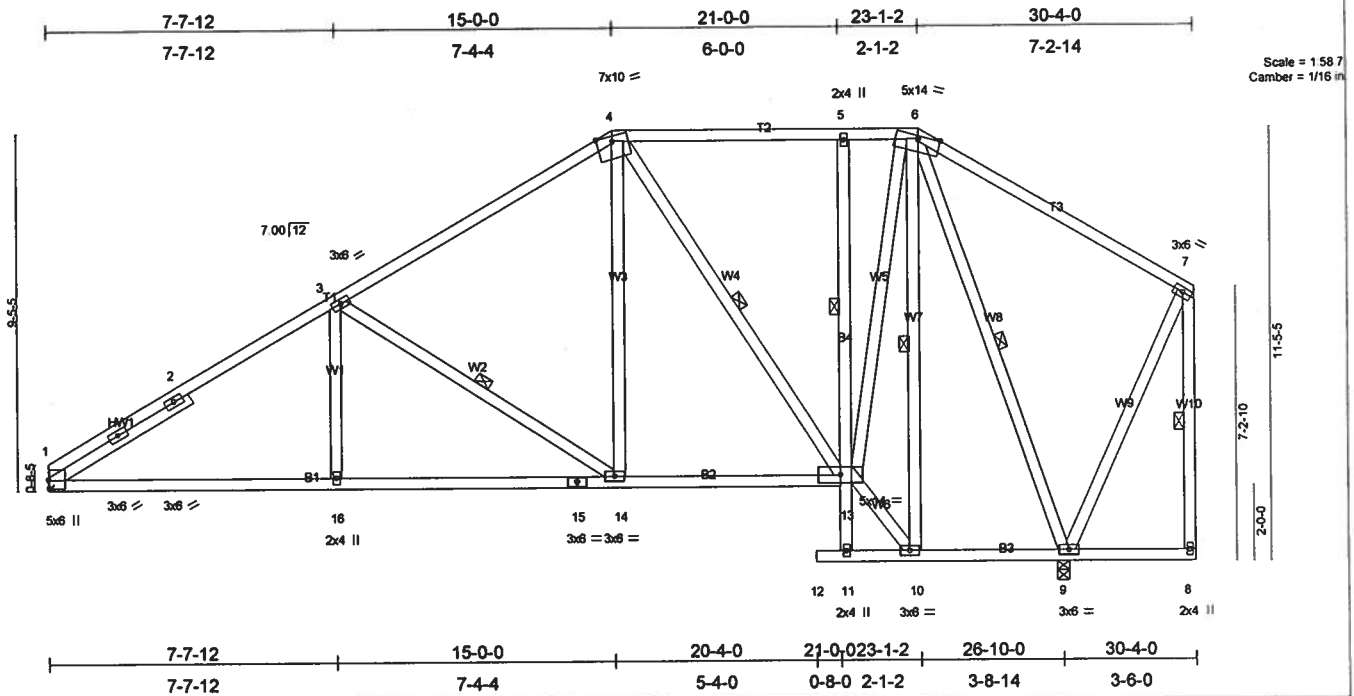


Plate Offsets (X,Y): [1:0-2-12,0-0-5]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.35	Vert(LL)	-0.11 14-16	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.42	Vert(TL)	-0.18 14-16	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.77	Horz(TL)	0.07 9	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)						Weight: 240 lb

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 "Except"
 B4 2 X 4 SYP No.3
 WEBS 2 X 4 SYP No.3
 SLIDER Left 2 X 4 SYP No.3 4-4-8

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-2-8 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. Except:
 1 Row at midpt 5-13
 WEBS 1 Row at midpt 3-14, 4-13, 6-10, 6-9, 7-8

REACTIONS (lb/size) 1=859/Mechanical, 9=1013/0-4-0
 Max Horz 1=293(load case 4)
 Max Uplift 1=-299(load case 5), 9=-366(load case 6)

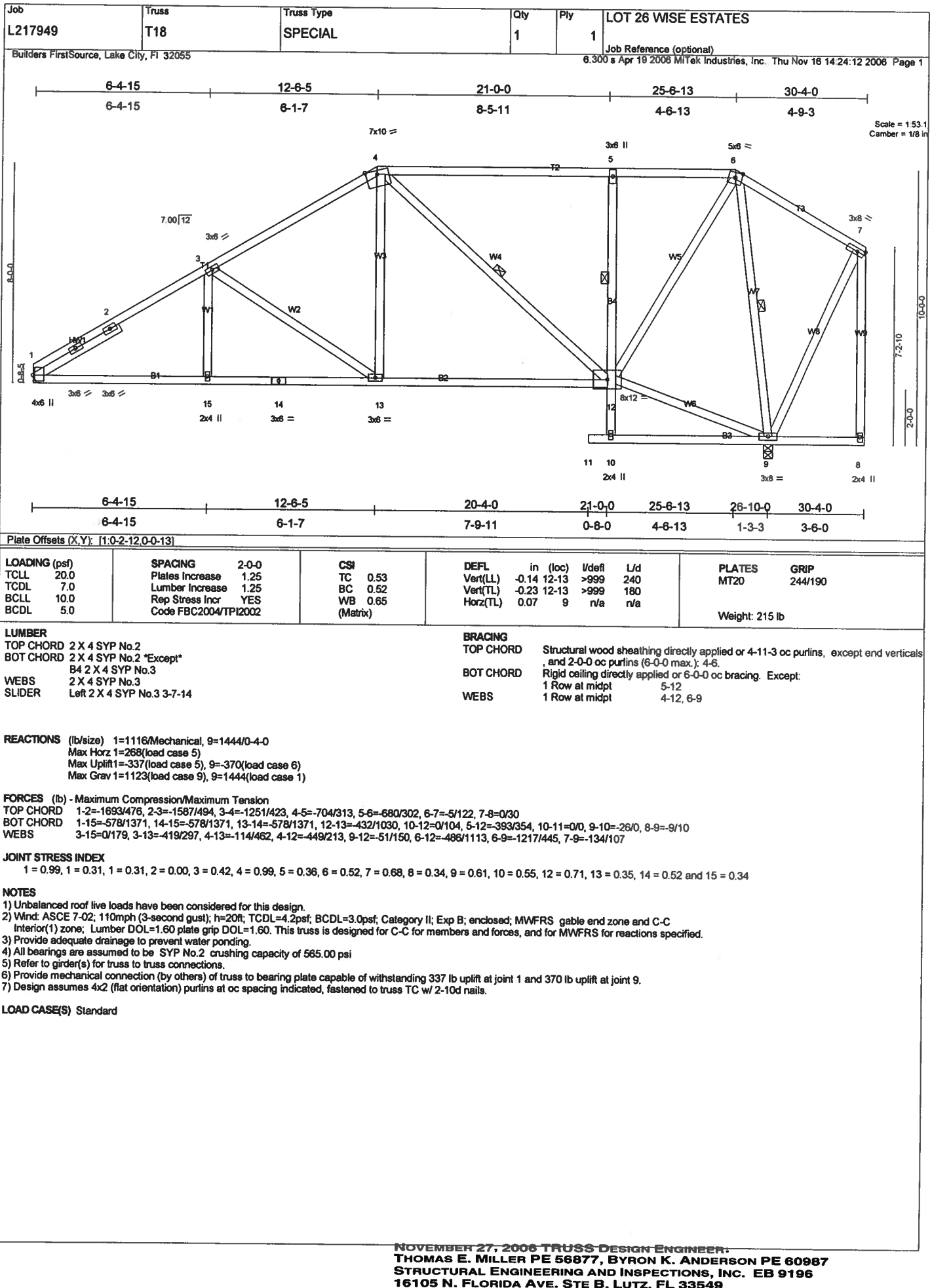
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1359/423, 2-3=-1310/445, 3-4=-1002/343, 4-5=-526/241, 5-6=-516/239, 6-7=-13/54, 7-8=-14/6
 BOT CHORD 1-16=-555/1142, 15-16=-555/1142, 14-15=-555/1142, 13-14=-326/794, 11-13=0/29, 5-13=-234/276, 11-12=0/0, 10-11=-21/0, 9-10=-111/302
 8-9=-20/11
 WEBS 3-16=0/233, 3-14=-422/335, 4-14=-137/444, 4-13=-482/250, 10-13=-132/455, 6-13=-520/1040, 6-10=-225/121, 6-9=-970/323, 7-9=-79/150

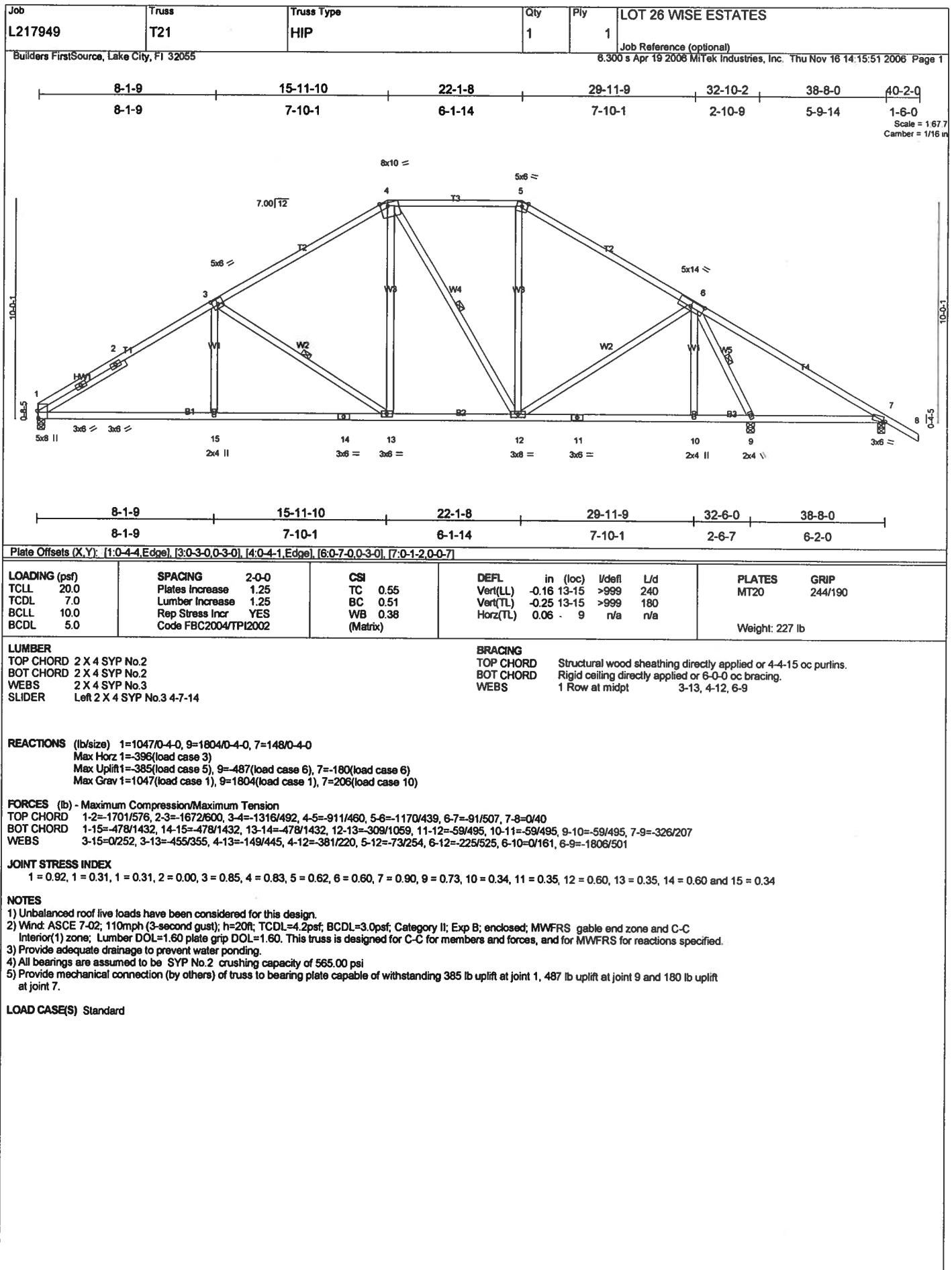
JOINT STRESS INDEX
 1 = 0.90, 1 = 0.25, 1 = 0.25, 2 = 0.00, 3 = 0.42, 4 = 0.93, 5 = 0.54, 6 = 0.38, 7 = 0.66, 8 = 0.34, 9 = 0.41, 10 = 0.41, 11 = 0.34, 13 = 0.91, 14 = 0.35, 15 = 0.41 and 16 = 0.34

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 299 lb uplift at joint 1 and 366 lb uplift at joint 9.

LOAD CASE(S) Standard





Job L217949	Truss T22	Truss Type HIP	Qty 1	Ply 1	LOT 26 WISE ESTATES
Builders FirstSource, Lake City, FL 32055			6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Nov 16 14:17:23 2006 Page 1		

Scale = 1/8\"/>

Camber = 1/16 in

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

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.44	Vert(LL)	-0.12 16-17	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.49	Vert(TL)	-0.20 16-17	>999	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.69	Horz(TL)	0.05 10	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2004/TP12002							

Weight: 239 lb

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3
 SLIDER Left 2 X 4 SYP No.3 4-0-14

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-3-7 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 3-16, 4-14, 5-14, 6-12

REACTIONS (lb/size) 1=1071/0-4-0, 10=1847/0-4-0, 8=121/0-4-0
 Max Horz 1=-351(load case 3)
 Max Uplift 1=-377(load case 5), 10=-482(load case 6), 8=-174(load case 6)
 Max Grav 1=1071(load case 1), 10=1847(load case 1), 8=165(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1755/573, 2-3=-1730/594, 3-4=-1441/507, 4-5=-1132/464, 5-6=-1132/464, 6-7=-1129/411, 7-8=-94/511, 8-9=0/40
 BOT CHORD 1-17=-532/1474, 16-17=-532/1474, 15-16=-418/1180, 14-15=-418/1180, 13-14=-239/883, 12-13=-239/883, 11-12=0/256, 10-11=0/256, 8-10=-341/192
 WEBS 3-17=0/212, 3-16=-365/300, 4-16=-125/392, 4-14=-233/105, 5-14=-260/250, 6-14=-304/558, 6-12=-225/198, 7-12=-293/781, 7-11=0/101, 7-10=-1737/469

JOINT STRESS INDEX
 1 = 0.91, 1 = 0.32, 1 = 0.32, 2 = 0.00, 3 = 0.42, 4 = 0.78, 5 = 0.34, 6 = 0.96, 7 = 0.78, 8 = 0.59, 10 = 0.67, 11 = 0.34, 12 = 0.46, 13 = 0.34, 14 = 0.61, 15 = 0.41, 16 = 0.35 and 17 = 0.34

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide adequate drainage to prevent water ponding.
 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 377 lb uplift at joint 1, 482 lb uplift at joint 10 and 174 lb uplift at joint 8.

LOAD CASE(S) Standard

Job L217949	Truss T23	Truss Type HIP	Qty 1	Ply 1	LOT 26 WISE ESTATES Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Nov 16 14:20:29 2006 Page 1		

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.47	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.62	Vert(LL) -0.14 11-12 >999 240		
BCLL 10.0	Rep Stress Incr NO	WB 0.46	Vert(TL) -0.24 11-12 >803 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.02 7 n/a n/a		
				Weight: 133 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 5-2-11 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

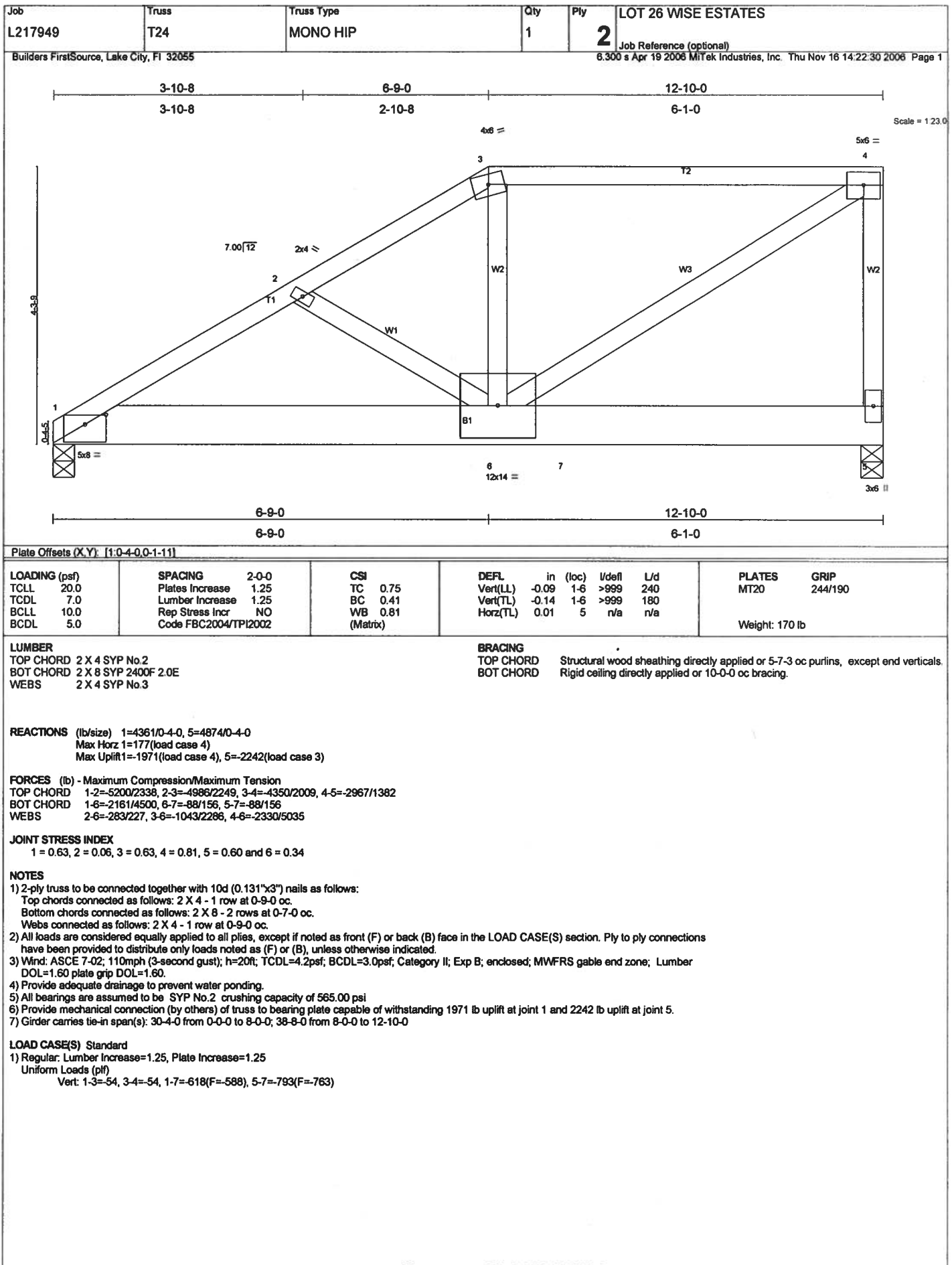
REACTIONS (lb/size) 1=838/0-4-0, 7=540/0-4-0, 9=2531/0-4-0
 Max Horz 1=103(load case 3)
 Max Uplift 1=575(load case 3), 7=-223(load case 5), 9=-1649(load case 5)
 Max Grav 1=843(load case 8), 7=548(load case 8), 9=2531(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1403/956, 2-3=-1163/873, 3-4=-203/239, 4-5=-743/1052, 5-6=-668/332, 6-7=-840/317
 BOT CHORD 1-12=-873/1145, 11-12=-742/841, 10-11=-316/207, 9-10=-316/207, 8-9=-128/136, 7-8=-221/665
 WEBS 2-12=-279/382, 3-12=-215/394, 3-11=-904/734, 4-11=-747/1026, 4-9=-1509/1211, 5-9=-1325/916, 5-8=-396/918, 6-8=0/103

JOINT STRESS INDEX
 1 = 0.58, 2 = 0.66, 3 = 0.54, 4 = 0.71, 5 = 0.54, 6 = 0.66, 7 = 0.58, 8 = 0.54, 9 = 0.31, 10 = 0.42, 11 = 0.31 and 12 = 0.54

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
 3) Provide adequate drainage to prevent water ponding.
 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 575 lb uplift at joint 1, 223 lb uplift at joint 7 and 1649 lb uplift at joint 9.
 6) Girder carries hip end with 5-0-0 end setback.
 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 245 lb down and 170 lb up at 23-8-0, and 245 lb down and 170 lb up at 5-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-54, 2-6=-90(F=-36), 6-7=-54, 1-12=-30, 8-12=-50(F=-20), 7-8=-30
 Concentrated Loads (lb)
 Vert: 12=-245(F) 8=-245(F)



Job L217949	Truss T25	Truss Type GABLE	Qty 1	Ply 1	LOT 26 WISE ESTATES
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Nov 16 14:23:39 2006 Page 1		

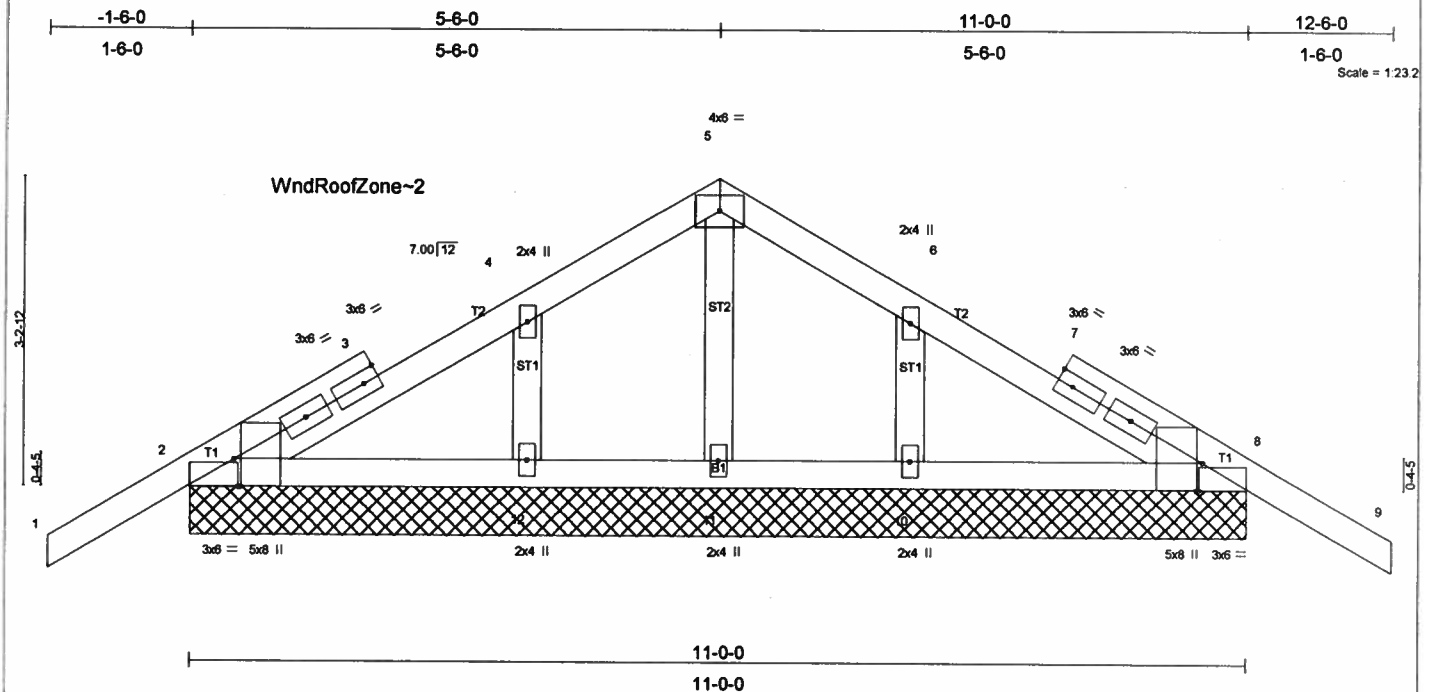


Plate Offsets (X,Y): [2-0-3-8,Edge], [2-0-0-7,Edge], [8-0-3-8,Edge], [8-0-0-7,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.16	Vert(LL)	-0.00	9	n/r	120	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.06	Vert(TL)	-0.01	9	n/r	90		
BCLL 10.0	Lumber Increase 1.25	WB 0.04	Horz(TL)	0.00	8	n/a	n/a		
BCDL 5.0	Rep Stress Incr NO	(Matrix)							
	Code FBC2004/TP12002								
								Weight: 54 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

BRACING

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

REACTIONS (lb/size)

2=247/11-0-0, 8=247/11-0-0, 11=155/11-0-0, 12=288/11-0-0, 10=288/11-0-0
Max Horz 2=-106(load case 3)
Max Uplift 2=-155(load case 5), 8=-167(load case 6), 11=-4(load case 5), 12=-120(load case 5), 10=-123(load case 6)
Max Grav 2=250(load case 9), 8=250(load case 10), 11=155(load case 1), 12=291(load case 9), 10=291(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-62/65, 3-4=-57/84, 4-5=-19/87, 5-6=-19/87, 6-7=-15/84, 7-8=-23/28, 8-9=0/47
BOT CHORD 2-12=-25/101, 11-12=-25/101, 10-11=-25/101, 8-10=-25/101
WEBS 5-11=-122/13, 4-12=-193/139, 6-10=-193/142

JOINT STRESS INDEX

2 = 0.23, 2 = 0.00, 3 = 0.00, 3 = 0.17, 3 = 0.17, 4 = 0.09, 5 = 0.07, 6 = 0.09, 7 = 0.00, 7 = 0.17, 7 = 0.17, 8 = 0.23, 8 = 0.00, 10 = 0.08, 11 = 0.04 and 12 = 0.08

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 155 lb uplift at joint 2, 167 lb uplift at joint 8, 4 lb uplift at joint 11, 120 lb uplift at joint 12 and 123 lb uplift at joint 10.
- 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

- Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-64(F=-10), 5-9=-64(F=-10), 2-8=-30

Job L217949	Truss T26	Truss Type COMMON	Qty 4	Ply 1	LOT 26 WISE ESTATES
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Builders FirstSource, Lake City, FL 32055

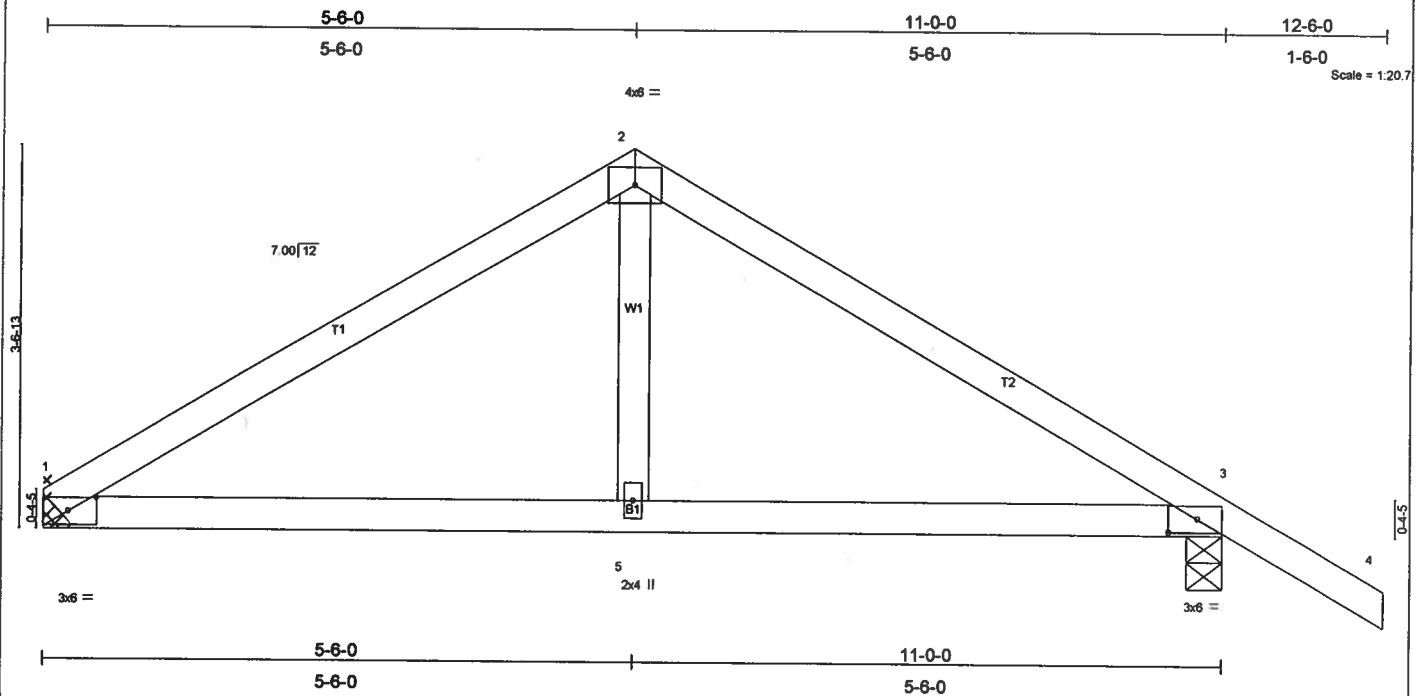
Job Reference (optional)
6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Nov 16 14:23:50 2006 Page 1

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

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.21	Vert(LL)	-0.04	1-5	>999	MT20	244/190
BCDL 7.0	Plates Increase 1.25	BC 0.28	Vert(TL)	-0.06	1-5	>999		
BCCL 10.0	Lumber Increase 1.25	WB 0.07	Horz(TL)	0.01	3	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2004/TP12002							
							Weight: 43 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 1=442/Mechanical, 3=546/0-4-0
 Max Horz 1=-132(load case 3)
 Max Uplift 1=-141(load case 5), 3=-247(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-577/168, 2-3=-581/186, 3-4=0/40
 BOT CHORD 1-5=-81/440, 3-5=-81/440
 WEBS 2-5=0/206

JOINT STRESS INDEX

1 = 0.43, 2 = 0.47, 3 = 0.44 and 5 = 0.15

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 141 lb uplift at joint 1 and 247 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L217949	Truss T27	Truss Type HIP	Qty 1	Ply 1	LOT 26 WISE ESTATES
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6,300 s Apr 19 2006 MiTek Industries, Inc. Thu Nov 16 14:26:51 2006 Page 1		

Scale = 1/4" = 1'-0"
Camber = 1/8" in

Plate Offsets (X,Y): [3-0-4-1,Edge], [5-0-4-0,0-1-11], [7-0-3-8,0-4-0]					
LOADING (psf)	SPACING	CSI	DEFL.	in (loc)	L/d
TCLL 20.0	Plates Increase 1.25	TC 0.76	Vert(LL) -0.17	7-9	>999
TCDL 7.0	Lumber Increase 1.25	BC 0.50	Vert(TL) -0.28	7-9	>928
BCLL 10.0	Rep Stress Incr NO	WB 0.44	Horz(TL) 0.04	5	n/a
BCDL 5.0	Code FBC2004/TP12002	(Matrix)			
			Weight: 132 lb		

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 2-7-13 oc purlins.
BOT CHORD 2 X 8 SYP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 9-6-11 oc bracing.
WEBS 2 X 4 SYP No.3	WEBS 1 Row at midpt 3-7

REACTIONS (lb/size) 2=1965/0-4-0, 5=1718/0-4-0
 Max Horz 2=143(load case 3)
 Max Uplift 2=833(load case 4), 5=688(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/46, 2-3=-3457/1463, 3-10=-2539/1093, 4-10=-2539/1093, 4-5=-2980/1184, 5-6=0/46
 BOT CHORD 2-9=-1325/2916, 9-11=-1343/2966, 8-11=-1343/2966, 8-12=-1343/2966, 7-12=-1343/2966, 5-7=-946/2501
 WEBS 3-9=-504/1376, 3-7=-598/430, 4-7=-376/1060

JOINT STRESS INDEX
 2 = 0.70, 3 = 0.92, 4 = 0.83, 5 = 0.74, 7 = 0.22, 8 = 0.98 and 9 = 0.45

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 833 lb uplift at joint 2 and 688 lb uplift at joint 5.
- Girder carries hip end with 12-10-8 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 315 lb up at 7-0-0, and 941 lb down and 446 lb up at 11-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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

- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-54, 3-10=-117(F=-63), 4-10=-54, 4-6=-54, 2-9=-30, 9-11=-65(F=-35), 5-11=-30
 Concentrated Loads (lb)
 Vert: 9=539(F) 12=941(F)

Job L217949	Truss T29	Truss Type COMMON	City 7	Ply 1	LOT 26 WISE ESTATES
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6,300 s Apr 19 2006 MiTek Industries, Inc. Thu Nov 16 14:27:42 2006 Page 1		

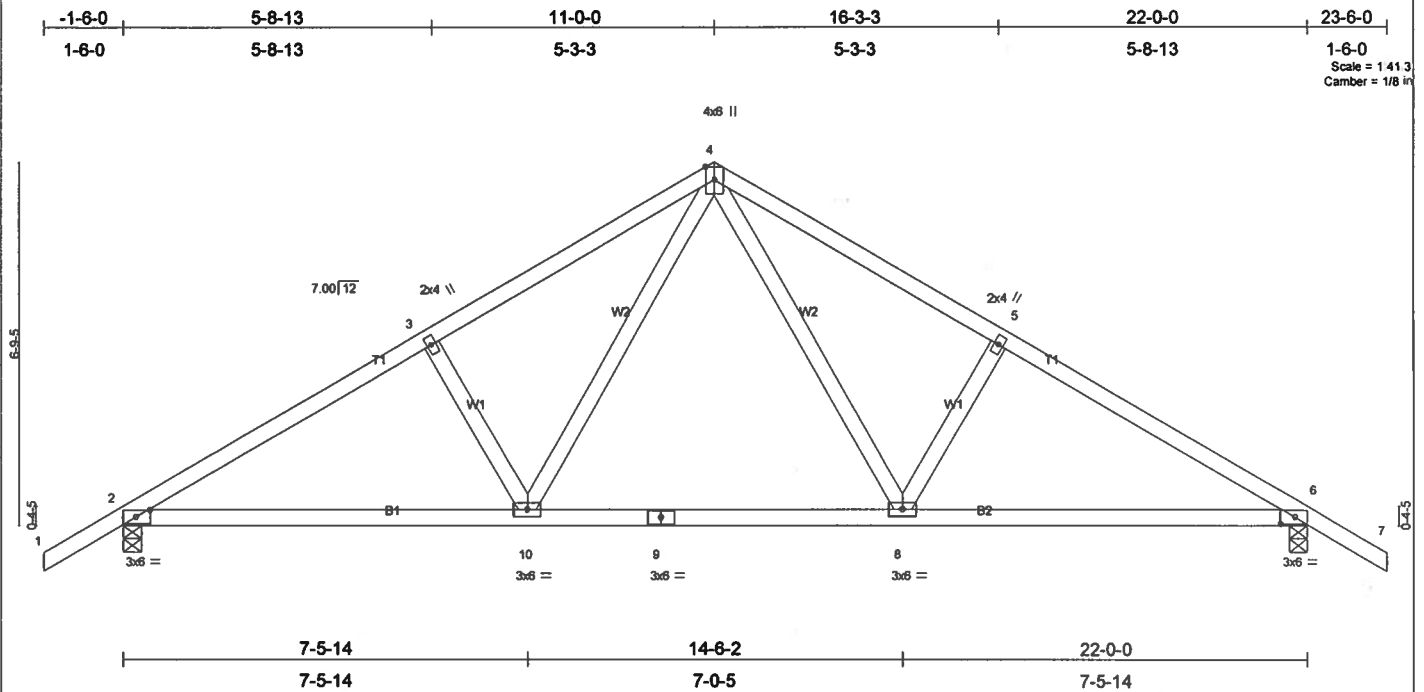


Plate Offsets (X, Y): [2-0-3-3, 0-1-8], [6-0-3-3, 0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.25	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.82	Vert(LL) -0.20 8-10 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.27	Vert(TL) -0.32 8-10 >818 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.05 6 n/a n/a		
	Code FBC2004/TP12002			Weight: 108 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-7-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 9-2-9 oc bracing.

REACTIONS (lb/size) 2=1176/0-4-0, 6=1176/0-4-0
 Max Horz 2=-229(load case 3)
 Max Uplift 2=-455(load case 5), 6=-455(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/40, 2-3=-1752/563, 3-4=-1606/594, 4-5=-1606/595, 5-6=-1752/563, 6-7=0/40
 BOT CHORD 2-10=-461/1435, 9-10=-213/983, 8-9=-213/983, 6-8=-371/1435
 WEBS 3-10=-247/242, 4-10=-277/732, 4-8=-277/732, 5-8=-247/242

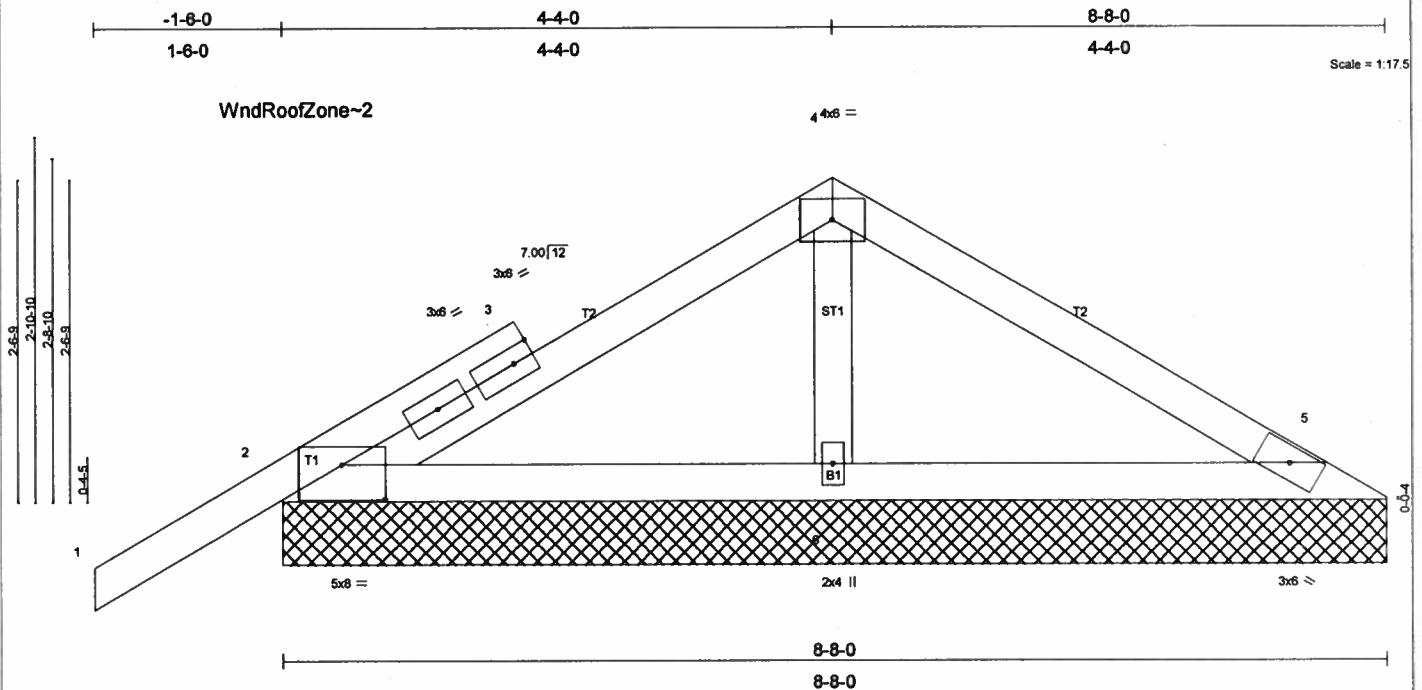
JOINT STRESS INDEX
 2 = 0.76, 3 = 0.34, 4 = 0.48, 5 = 0.34, 6 = 0.76, 8 = 0.59, 9 = 0.74 and 10 = 0.59

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02, 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 455 lb uplift at joint 2 and 455 lb uplift at joint 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

- 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



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.17	Vert(LL) -0.00 1 n/r 120	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.14	Vert(TL) 0.00 1 n/r 90		
BCLL 10.0	Rep Stress Incr NO	WB 0.06	Horz(TL) -0.00 5 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)		Weight: 35 lb	

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

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-86/93, 3-4=-77/127, 4-5=-79/93
BOT CHORD 2-6=-50/38, 5-6=-50/38
WEBS 4-6=-312/158

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MITek "Standard Gable End Detail"
- 4) Gable requires continuous bottom chord bearing.
- 5) Gable studs spaced at 2'-0" oc.
- 6) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 165 lb uplift at joint 2, 60 lb uplift at joint 5 and 136 lb uplift at joint 6.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-64(F=-10), 4-5=-64(F=-10), 2-5=-30

Job L217949	Truss T31	Truss Type COMMON	Qty 2	Ply 1	LOT 26 WISE ESTATES
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Nov 16 14:29:12 2006 Page 1		

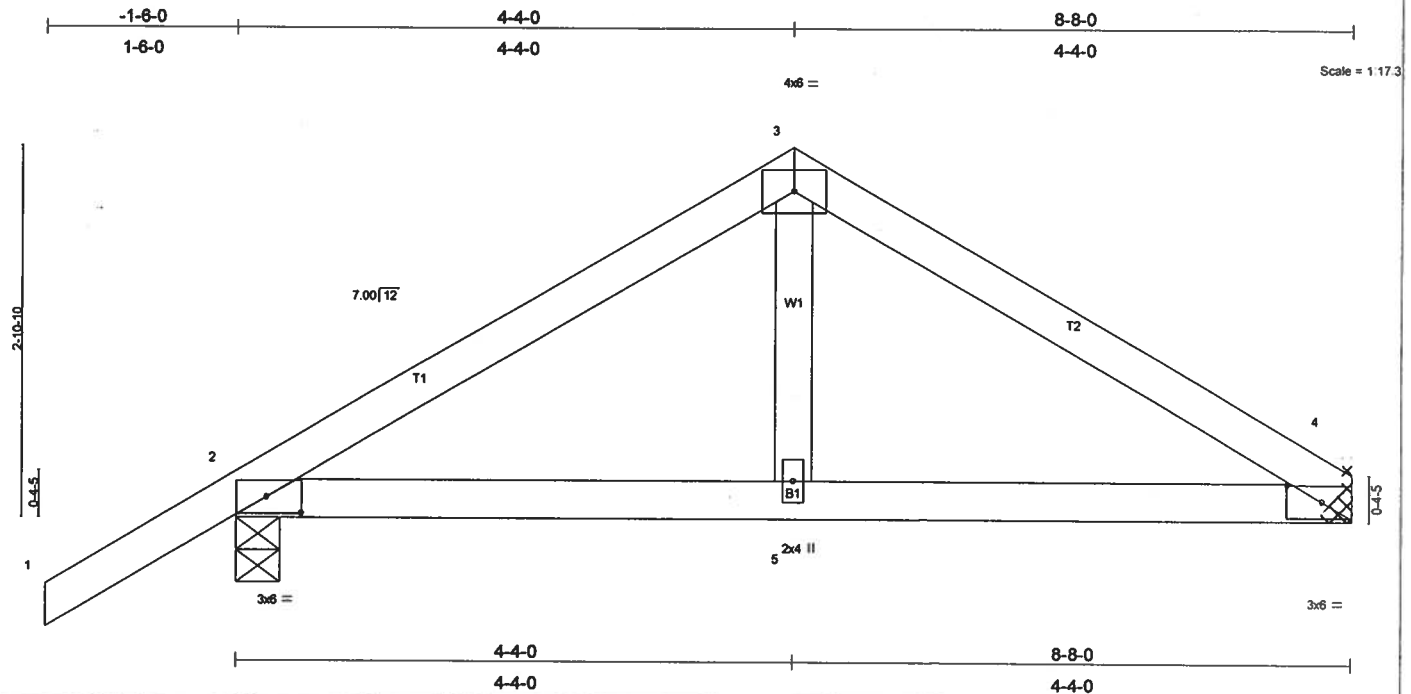


Plate Offsets (X,Y): [2-0-3-4,0-1-8], [4-0-3-4,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.18	Vert(LL)	0.03	4-5	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.17	Vert(TL)	0.03	4-5	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.05	Horz(TL)	0.00	4	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)							
Weight: 34 lb										

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

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

REACTIONS (lb/size) 4=342/Mechanical, 2=450/0-4-0
 Max Horz 2=108(load case 4)
 Max Uplift 4=-213(load case 6), 2=-323(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/40, 2-3=-441/411, 3-4=-437/405
 BOT CHORD 2-5=-294/329, 4-5=-294/329
 WEBS 3-5=-262/154

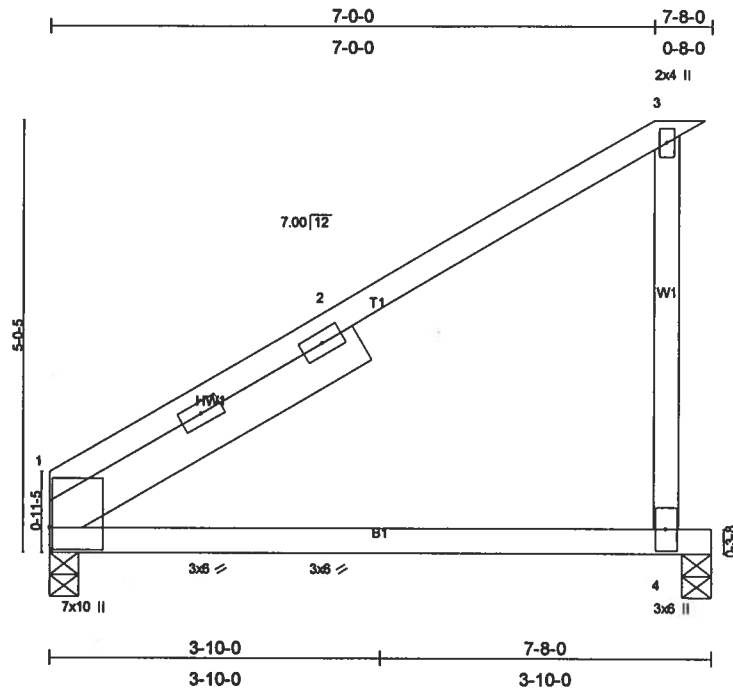
JOINT STRESS INDEX
 2 = 0.43, 3 = 0.34, 4 = 0.43 and 5 = 0.11

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 213 lb uplift at joint 4 and 323 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L217949	Truss T33	Truss Type MONO HIP	Qty 1	Ply 1	0 0
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2008 MiTek Industries, Inc. Thu Nov 16 14:48:11 2006 Page 1		



Scale = 1/25.7
Camber = 1/16 in

Plate Offsets (X,Y): (1:0-3-2,0-0-6)

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCCL 20.0	2-0-0	TC 0.65	Vert(LL) 0.32	1-4	>268	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.42	Vert(TL) 0.27	1-4	>320	180		
BCCL 10.0	Lumber Increase 1.25	WB 0.08	Horz(TL) 0.00		n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2004/TP12002							
							Weight: 41 lb	

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

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

REACTIONS (lb/size) 1=300/0-4-0, 4=300/0-4-0
Max Horz 1=221(load case 5)
Max Uplift 1=-129(load case 5), 4=-277(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-136/0, 2-3=-119/78
BOT CHORD 1-4=0/0
WEBS 3-4=-196/205

NOTES

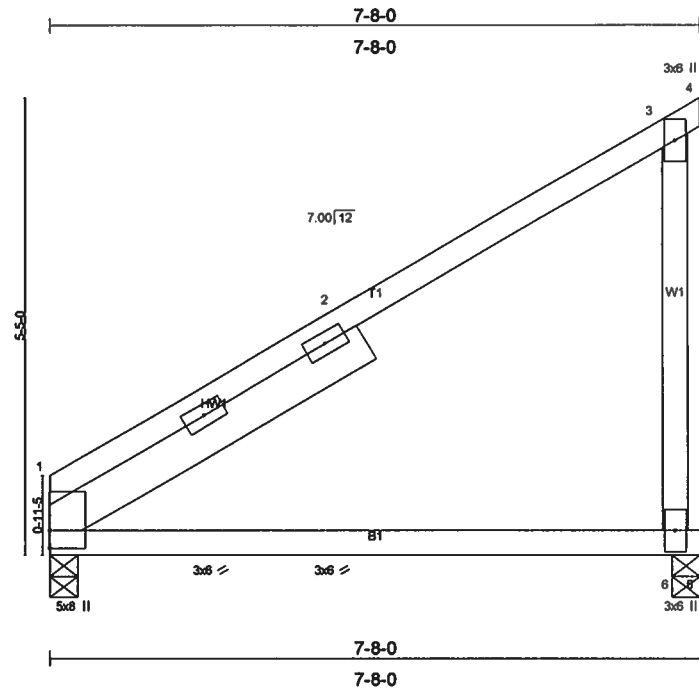
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 129 lb uplift at joint 1 and 277 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	LOT 26 WISE ESTATES
L217949	T34	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6,300 s Apr 19 2008 MiTek Industries, Inc. Thu Nov 16 14:31:18 2006 Page 1



Scale = 1:26.2

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.79	Vert(LL)	-0.07	1-6	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.24	Vert(TL)	-0.13	1-6	>708	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	0.00	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)						Weight: 42 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size)

REACTIONS (lb/size) 1=309/0-4-0, 6=323/0-4-0
Max Horz 1=234(load case 5)
Max Uplift 1=-36(load case 5), 6=-205(load case 5)

FORCES (lb)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-169/0, 2-3=-78/26, 3-4=-2/0, 3-6=-185/197
BOT CHORD 1-6=-51/75, 5-6=0/0

JOINT STRESS INDEX

1 = 0.50, 1 = 0.04, 1 = 0.04, 2 = 0.00, 3 = 0.64 and 6 = 0.50

NOTES

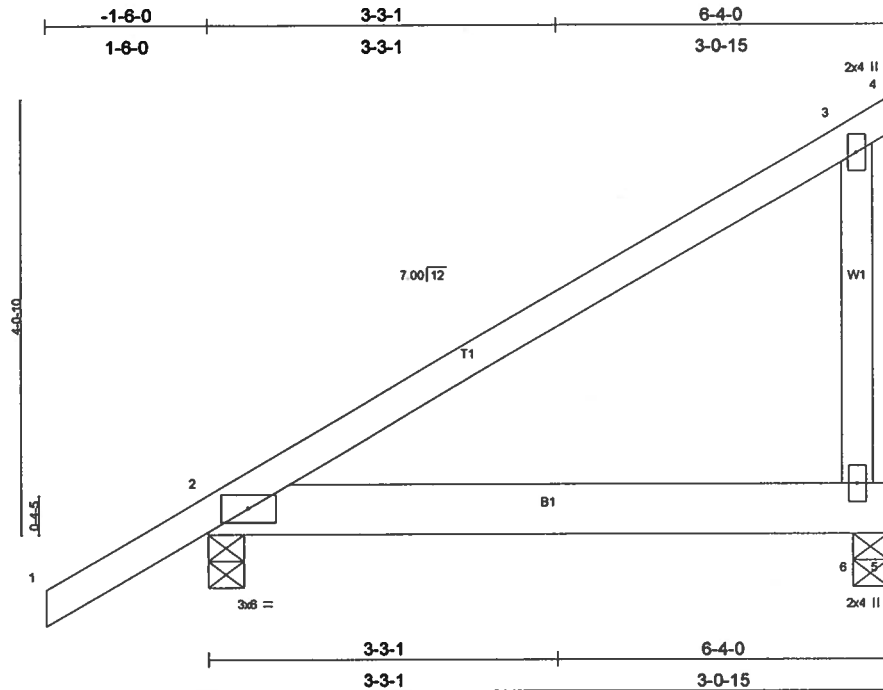
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 1 and 205 lb uplift at joint 6.

LOAD CASE(S) Standard

Job L217949	Truss T35	Truss Type MONO TRUSS	Qty 1	Ply 1	LOT 26 WISE ESTATES
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Nov 16 14:32:27 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.41	in (loc) l/def L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.51	Vert(LL) -0.08 2-6 >861 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.04	Vert(TL) -0.13 2-6 >530 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.00 n/a n/a		
	Code FBC2004/TP12002				Weight: 33 lb

LUMBER

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

BRACING

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

REACTIONS (lb/size) 2=739/0-4-0, 6=678/0-4-0
 Max Horz 2=226(load case 4)
 Max Uplift 2=379(load case 4), 6=377(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/43, 2-3=-105/58, 3-4=-2/0
 BOT CHORD 2-6=0/0, 5-6=0/0
 WEBS 3-6=-150/154

JOINT STRESS INDEX

2 = 0.13, 3 = 0.08 and 6 = 0.09

NOTES

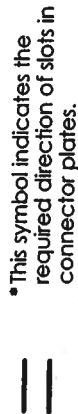
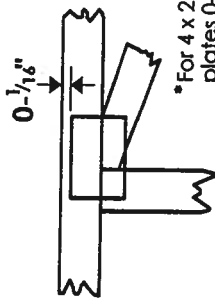
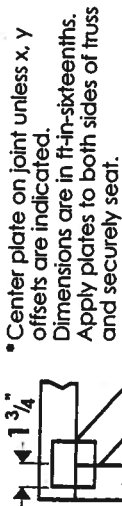
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 379 lb uplift at joint 2 and 377 lb uplift at joint 6.
- 4) Girder carries tie-in span(s): 8-8-0 from 0-0-0 to 6-4-0
- 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, 3-4=-14, 2-5=-163(F=-133)

Symbols

PLATE LOCATION AND ORIENTATION



• Plate location details available in MiTek 20/20 software or upon request.

PLATE SIZE

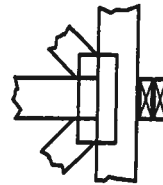
4 X 4

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

LATERAL BRACING



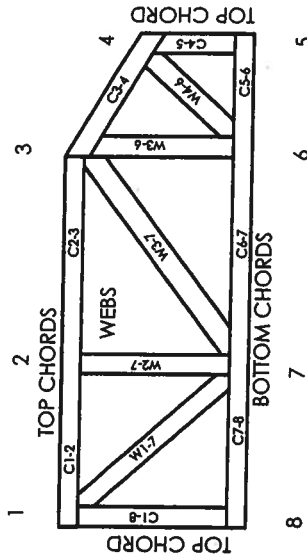
BEARING



Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCS11: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 95-43, 96-20-1, 96-67, 84-32
ICBO	4922, 5243, 5363, 3907
SBCCI	9667, 9730, 9604B, 9511, 9432A



MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCS11.
2. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
3. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
4. Cut members to bear tightly against each other.
5. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI1.
6. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI1.
7. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
8. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
9. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
10. Plate type, size, orientation and location dimensions shown indicate minimum plating requirements.
11. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
12. Top chords must be sheathed or purlins provided at spacing shown on design.
13. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
14. Connections not shown are the responsibility of others.
15. Do not cut or alter truss member or plate without prior approval of a professional engineer.
16. Install and load vertically unless indicated otherwise.

X
Glazed Inswing Unit

COP WL EN4141-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES: 3/4 GLASS:



404 Series



410 Series



440 Series

FULL GLASS:



100 Series



114, 120, 140
Series



150 Series



160 Series



200 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade DCCO PA202.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top and rails constructed of 0.032" steel. Bottom and rails constructed of 0.032" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip like surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE DCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L. Balthazor

State of Florida, Professional Engineer
Kurt Balthazor, P.E. - License Number 58533



This Data Review Certificate (DRC) is issued by the Florida Department of Building & Safety (FDBS) and is valid for the period of 12 months from the date of issuance. For more information, please visit the FDBS website at www.fdbos.com or call 1-800-368-7828.

Entergy
Entry Systems

June 17, 2002

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



Exclusively from

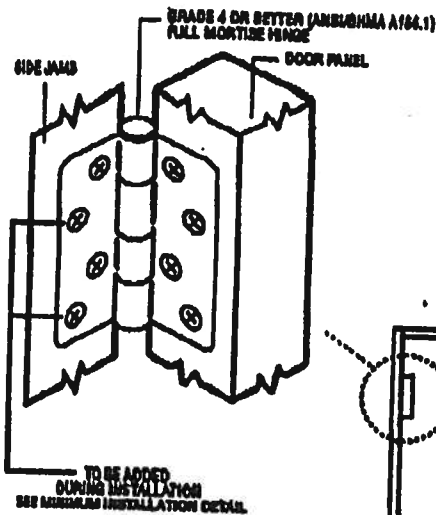
Masonite
Masonite International Corporation

X
Unit

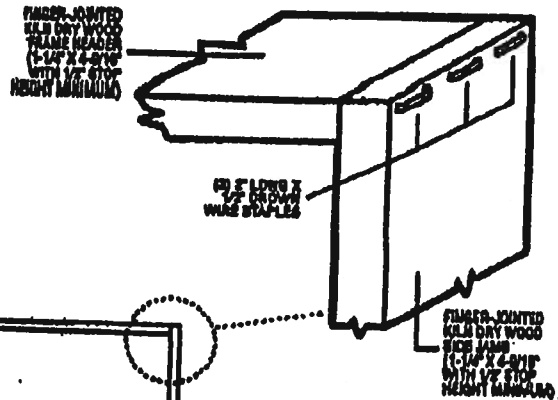
MAD-M1-MA0001-02

INSWING UNIT WITH SINGLE DOOR

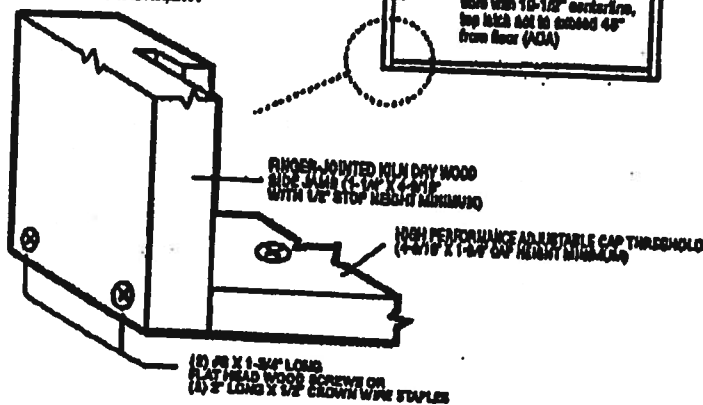
TYPICAL HINGE ATTACHMENT



TYPICAL HEADER & SIDE JAMB ATTACHMENT



TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



Test Data Review Certificate
 F2020-0174 / F2020-0175 / F2020-0176
 and COV(7) of Masonite Energy Matrix
 F2020-0174 (1) 100% Pass (100%)
 F2020-0175 (1) 100% Pass (100%)
 F2020-0176 (1) 100% Pass (100%)
 For more product information,
 visit us at <http://www.masonite.com>, the Masonite
 website (www.masonite.com) or the
 Masonite website page.

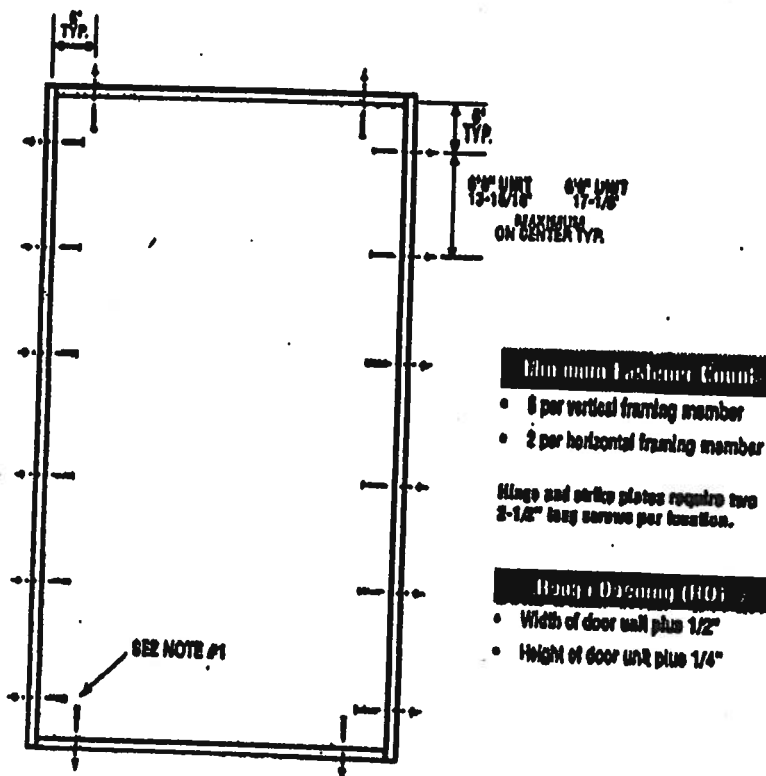
October 14, 2023
 For continued progress of product improvement without specification,
 design and product shall remain to change without notice.

Masonite

X
Unit

WHD-WL-WIA0001-02

SINGLE DOOR



Minimum Fastener Counts

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

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

Blank Opening (BO)

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



Test Data Review Certificate #30264474 / #30264475 / #30264476 and COP/Red Report Validation Under #30264474-244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

Latching Hardware:

- Compliance requires that GRADE 8 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- UNITS COVERED BY COP DOCUMENT 8248°, 8286°, 8241°, 8248, 8281° or 8288
Compliance requires that 6" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on each 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 #6 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 400 (or equal structural adhesive).
2. The wood screw single shear design values come from Table 11.3A of ANSI/APA 240 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 County 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 drawings represent a product incorporating various specifications.
Design and product detail subject to change without notice.

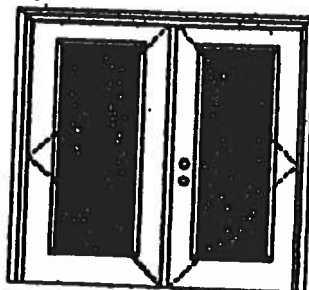
Masonite

XX Glazed Outswing Unit

COP-WL-FN4162-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



The Woodsedge Library #20004470 and COP-WL-FN4162-02 provide detailed information - available from the Woodsedge Library (www.woodsedge.com), the Woodsedge website (www.woodsedge.com) or the Woodsedge Technical Manual.

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

Double Door
Maximum unit size - 6'6" x 6'6"

Design Pressure
+50.5/-50.6

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistance requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the action required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:



1/2 GLASS:



*This glass kit may also be used in the following door styles: 8-panel, 8-panel with arch, 8-panel, 8-panel, 8-panel, 8-panel with arch.

Entergy
Entry Systems

June 17, 2003

Our continuing program of product improvement makes specifications, change and product cost subject to change without notice.



Exclusively from
Masonite
Masonite International Corporation

XX

Glazed Outswing Unit

COP-WI-FN4162-02

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

404 Series



410 Series



420 Series

FULL GLASS:

100 Series



110, 120, 122 Series



140 Series



140 Series



200 Series

CERTIFIED TEST REPORTS:

NCTL 210-1807-7, 8, 9

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Door panels constructed from 24-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.032" steel. Bottom end rails constructed of 0.032" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip like surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L. Balthazor

State of Florida, Professional Engineer
Kurt Balthazor, P.E. - License Number 56533



Test Data Review Certificate #10254470
and QOP Test Report Verification Made
P21054470-001 by QOPAS SECURITY
Inspection & Analysis, Inc. (QOPAS)
website (www.qopas.com). The
signature certifies (www.qopas.com) or the MASONITE technical center.

Entergy
Entry Systems

June 17, 2004

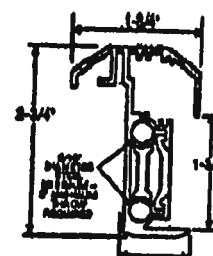
Our extensive program of product inspections makes specifications, designs and products
subject to change without notice.



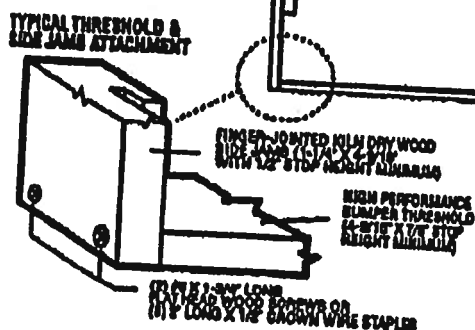
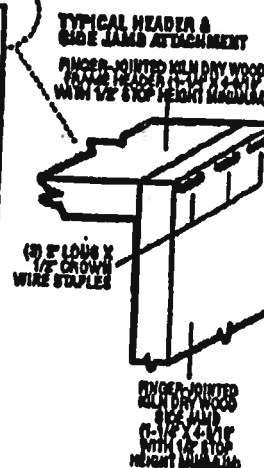
Manufactured by
Masonite
Masonite International Corporation

**OUTSWING UNITS WITH
DOUBLE DOOR**

TYPICAL ASTRAGAL PROFILES



ALUMINUM EXTRUDED ANTRACAL (LOW MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION JOINT, BOTTOM EXTENSION JOINT AND CYLINDRICAL DEADBOLT LATCHING LOCATION. ATTACH WITH M 8 X 1 1/4 IN HEAD SCREWS - LOCATE 1" FROM EACH END MINIMUM AND 28" O.C. MAXIMUM.



**Marshall Field
Wardlaw
177**

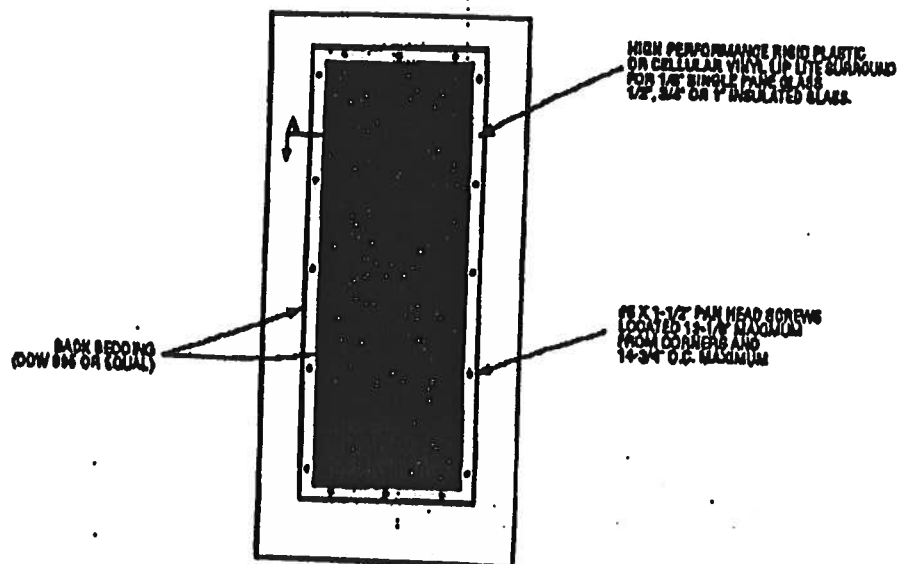
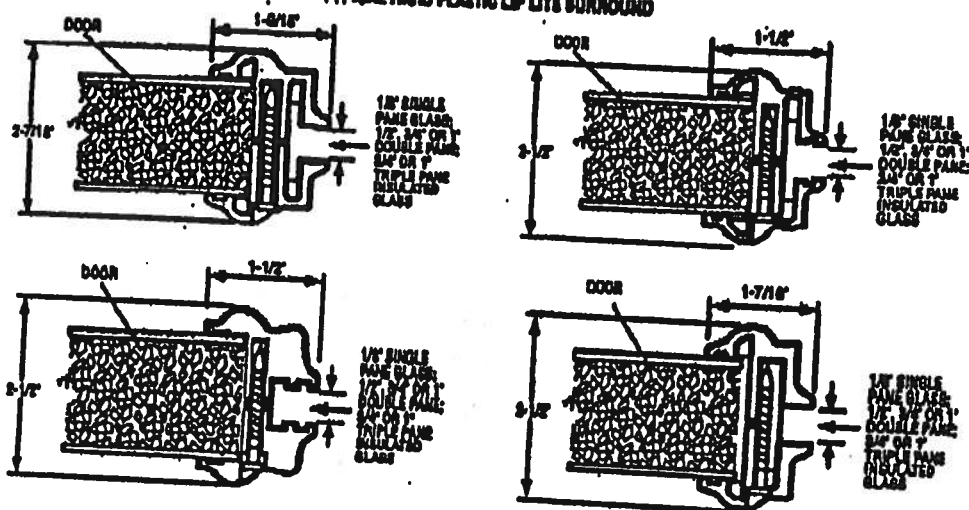
[illegible]

October 14, 2002
Our continuing program of product improvement makes specializations, design and process
must respond to change without delay.



Masonite®

MAD-WI-MA0041-02

**GLASS INSERT IN DOOR
OR SIDELITE PANEL****SECTION A-A
TYPICAL RIGID PLASTIC LP LITE SURROUND**

*Glass inserts to be sub-tested by Intertek Testing Services/ETL Service or approved validation service.

Masonite Test Data Review: For Details, 800-224-4474; 800-224-4475; 800-224-4476 and 800-224-4477. For additional information, visit the Masonite website (www.masonite.com) or the Masonite Technical Center.

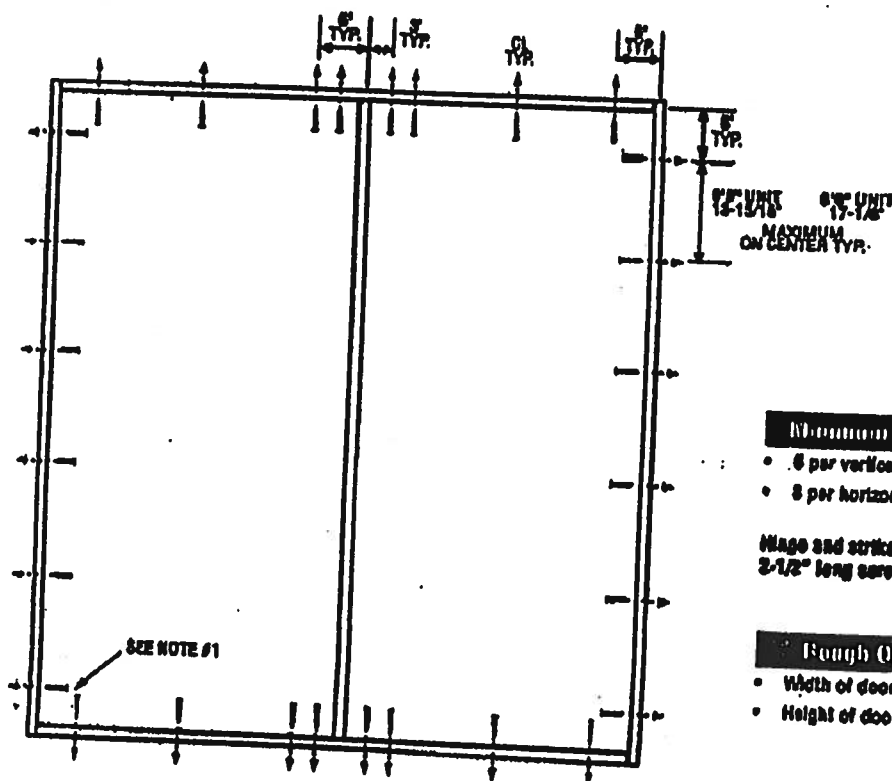
June 17, 2004
For additional information, visit the Masonite website (www.masonite.com) or the Masonite Technical Center.

PREMORA
Premium Quality Doors

Masonite
Masonite International Corporation

XX
Unit

MID-WL:WMA0002-02

DOUBLE DOOR**Minimum Fastener Count**

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

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

Rough Opening (RO)

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

Masonite Masonry

 THE ONLY SYSTEM COVERED BY 2002/2003 ICC-ES ESR-1107, 2003/2004 ICC-ES ESR-1108 and 2003/2004 ICC-ES ESR-1109. Additional information - please refer to the ITW website (www.itsw.com), the ICC-ES website (www.iccsa.com) or the Masonite technical manual.

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 8247*, 8247*, 8242*, 8247, 8282* or 8287**
 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 (light) 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 460 (or equal structural adhesive).
2. The wood screw single shear design values come from Table 11.3A of ANSI/APA & 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 County approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

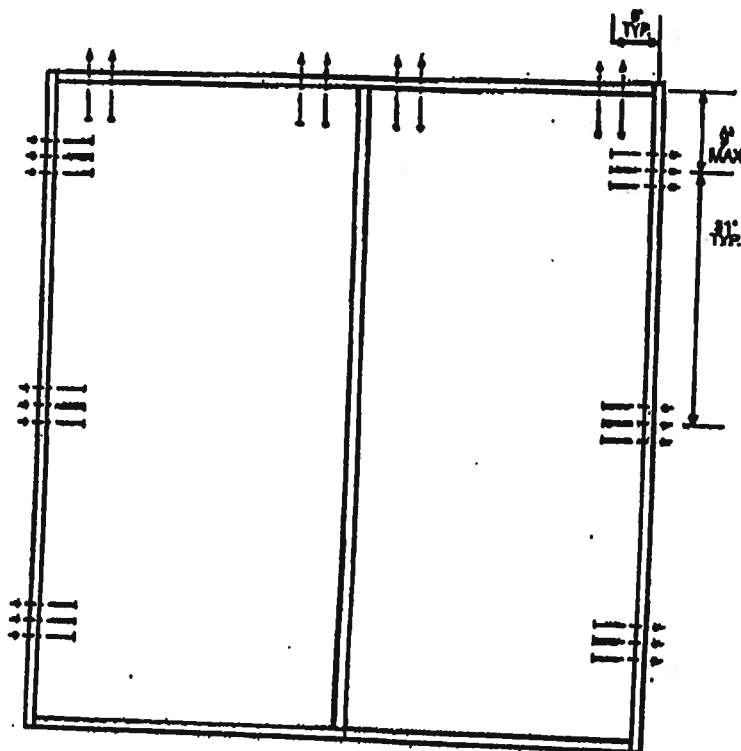
March 14, 2003
 For existing program of product improvement review specifications,
 design and product data subject to change without notice.



XX
Unit

MID-WL:R1A0002 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"

[illegible]

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*, 0257*, 3242*, 3247, 3252* or 3257
- 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 Door Schedule

*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 balusters analyzed for this unit include #8 wood screws and 10d common nails. Threshold fasteners analyzed for this unit include Liquid Nails Builders Choice 460 (or equal structural adhesive).
2. The wood screw and common nail single shear design values come from ANSI/APA & 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, 1961
Our continuing program of product improvement includes standardization,
change and product development changes to change without limits.



Masonite



MI Home Products, Inc.
650 West Market St.
P.O. Box 370
Gratz, PA 17030-0370

(717) 365-3300
(717) 362-7025 Fax

740/744 SINGLE HUNG (FIN & FLANGE)
165 SINGLE HUNG (FIN & FLANGE)
BB165/740/744 FIXED (FIN & FLANGE)

- Test Reports
 - 165 Single Hung
 - #CTLA-787W (Fin)
 - #CTLA-787W-1 (Flange)
 - 740/744 Single Hung
 - #01-40351.03 (Fin)
 - #01-40351.04 (Flange)
 - 165/740/744 Fixed
 - #NCTL-310-0005-2.1 (Fin)
 - # NCTL-310-0005-5.1 (Flange)
 - #01-40486.03 (2-Panel Fixed)
- Installation Instructions
- Sample 110/120/140 MPH Labels



**AAMA/NWWDA 101/LS.2-97
TEST REPORT SUMMARY**

Rendered to:

MI HOME PRODUCTS, INC.

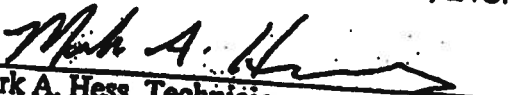
SERIES/MODEL: 740/744

TYPE: Aluminum Single Hung Window with Nail Fin

Title of Test	Results
Rating	H R45 52 x 72
Overall Design Pressure	45 psf
Operating Force	24 lb max.
Air Infiltration	0.10 cfm/ft ²
Water Resistance	6.75 psf
Structural Test Pressure	+67.5 psf
Deglazing	-70.8 psf
Forced Entry Resistance	Passed
	Grade 10

Reference should be made to Report No. 01-40351.03 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.


Mark A. Hess, Technician

MAH:baw

Allen N. Reeves
15 FEBRUARY 2002



THIS FENESTRATION PRODUCT COMPLIES* WITH THE
NEW FLORIDA BUILDING CODE
FOR RESIDENTIAL BUILDINGS WITH A MEAN ROOF HEIGHT OF 30 FT. OR LESS,
EXPOSURE "B" (WHICH IS INLAND OF A LINE THAT IS 1600 FT. FROM THE COAST),
AND **WALL ZONE "5"** (INSTALLED NEAR THE CORNER OF THE BUILDING).

PER *ASTM E1300*, THE CORRECT GLASS THICKNESS, BASED ON THE *NEGATIVE*
DESIGN PRESSURE (DP) LISTED BELOW, HAS BEEN INSTALLED IN THIS UNIT.
THE GLASS THICKNESS IS BASED ON ITS' WIDTH, HEIGHT, AND ASPECT RATIO.

Series 470HP SLIDING GLASS DOOR – all 6'- 8" High Panels

- | | |
|---------------|--------------------|
| • 2'- 6" WIDE | DP + 40.0 / - 55.4 |
| • 3'- 0" WIDE | DP + 40.0 / - 48.5 |
| • 4'- 0" WIDE | DP + 40.0 / - 40.3 |

THIS PRODUCT MEETS THE REQUIREMENTS FOR STRUCTURAL LOADS, WATER AND
AIR INFILTRATION PER ATTACHED *AAMA* PERFORMANCE LABEL. BE ADVISED THAT
IF LOADS ARE PLACED UP TO OR EXCEEDING THE TESTED LEVELS, THIS PRODUCT
MAY BE ALTERED IN SUCH A WAY THAT FUTURE PERFORMANCE WILL BE REDUCED.

* COMPLIANCE MUST INCLUDE INSTALLATION ACCORDING TO
MANUFACTURER'S INSTRUCTIONS AND FLORIDA CODE REQUIREMENTS.

MIP-686

DOCUMENT CONTROL ADDENDUM #01-40351.00

Current Issue Date: 02/15/02

Report No.: 01-40351.01

Requested by: William Emley, MI Home Products, Inc.

Purpose: AAMA/NWWDA 101/I.S.2-97 testing of Series/Model 744 aluminum single hung window with flange.

Issued Date: 12/28/01

Comments: Florida P.E. seal required on report.
Certification copy to John Smith at Associated Laboratories, Inc.

Report No.: 01-40351.02

Requested by: William Emley, MI Home Products, Inc.

Purpose: Change of glass type.

Issued Date: 12/28/01

Comments: Florida P.E. seal required on report.
Certification copy to John Smith at Associated Laboratories.

Report No.: 01-40351.03

Requested by: William Emley, MI Home Products, Inc.

Purpose: AAMA/NWWDA 101/I.S.2-97 testing of Series/Model 740/744 aluminum single hung window with nail fin.

Issued Date: 02/15/02

Comments: Florida P.E. seal required on report.
Certification copy to John Smith at Associated Laboratories, Inc.



Allen N. Rivers
15 FEBRUARY 2002

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.8	Forced Entry Resistance per ASTM F 588-97		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Optional Performance

4.4.1	Uniform Load Deflection per ASTM E 330 (Measurements reported were taken on the meting rail) (Loads were held for 52 seconds)		
	@ 45.0 psf (positive)	0.91"	0.29" max.
	@ 45.0 psf (negative)	0.97"	0.29" max.

* Exceeds L/175 for deflection, but meets all other test requirements.

4.4.2	Uniform Load Structural per ASTM E 330 (Measurements reported were taken on the meeting rail) (Loads held for 10 seconds)		
	@ 67.5 psf (positive)	0.14"	0.20" max.
	@ 67.5 psf (negative)	0.19"	0.20" max.
4.4.2	@ 70.8 psf (negative)	0.20"	0.20" max.

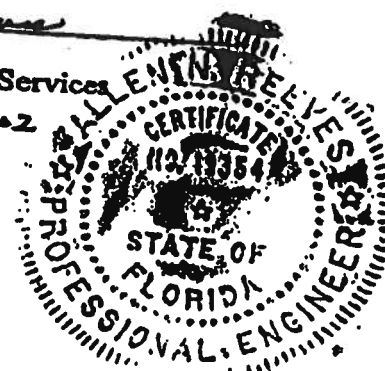
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Mark A. Hess
Technician

MAH:baw
01-40351.03

Allen N. Reeves
Allen N. Reeves, P.E.
Director - Engineering Services
15 FEBRUARY 2002



Test Specimen Description: (Continued)**Drainage:** Sloped sill.**Reinforcement:** No reinforcement was utilized.**Installation:** The test specimen was installed into the #2 2 x 8 Spruce-Pine-Fir wood buck with 1" galvanized roofing nails through the nail fin every 8" on center. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.**Test Results:**

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	24 lbs	30 lbs max.
2.1.2	Air Infiltration (ASTM E 283) @ 1.57 psf (25 mph)	0.10 cfm/ft ²	0.30 cfm/ft ² max.
<i>Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/I.S. 2-97 for air infiltration.</i>			
2.1.3	Water Resistance (ASTM E 547-96) (with and without screen) WTP = 6.75 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Measurements reported were taken on the meeting rail) (Loads were held for 52 seconds) @ 15.0 psf (positive) @ 15.0 psf (negative)	0.86"* 0.81"*	0.29" max. 0.29" max.
<i>Note: * Exceeds L/175 for deflection, but meets all other test requirements.</i>			
2.1.4.2	Uniform Load Structural per ASTM E 330 (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 22.5 psf (positive) @ 22.5 psf (negative)	0.01" <0.01"	0.20" max. 0.20" max.
2.2.1.6.2	Deglazing Test per ASTM E 987 In operating direction at 70 lbs		
	Top rail	0.06"/12%	0.50"/100%
	Bottom rail	0.06"/12%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.03"/6%	
	Right stile	0.03"/6%	

Allen H. Reese
15 FEBRUARY 2002



Test Specimen Description: (Continued)**Weatherstripping:**

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.330" high by 0.187" backed polypile with center fin	1 Row	Fixed meeting rail interlock
0.170" high by 0.187" backed polypile with center fin	1 Row	Fixed lite, stiles and top rail
3/8" diameter hollow bulb gasket	1 Row	Bottom rail
0.310" high by 0.187" backed polypile with center fin	1 Row	Active sash stiles
0.150" high by 0.187" wide polypile	1 Row	Active sash stiles

Frame Construction: All frame members were constructed of extruded aluminum with coped, butted and scaled corners fastened with two screws each. Fixed meeting rail was secured utilizing one screw in each end directly through exterior face into jamb. Silicone was utilized around exterior meeting rail/jamb joinery.

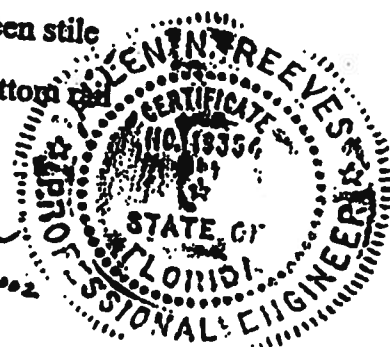
Sash Construction: All sash members were constructed of extruded aluminum with coped and butted corners fastened with one screw each.

Screen Construction: The screen frame was constructed from roll-formed aluminum members with plastic keyed corners. The screening consisted of a fiberglass mesh and was secured with a flexible vinyl spline.

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Plastic tilt latch	2	One each end of the interior Meeting rail
Metal sweep lock	2	13" from meeting rail ends
Balance assembly	2	One per jamb
Screen tension spring	2	One per end of screen stile
Tilt pin	2	One each end of bottom rail

Allen H. Reeves
15 FEBRUARY 2002





Architectural Testing

AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

MI HOME PRODUCTS, INC.
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-40351.03
Test Dates: 10/22/01
And: 10/23/01
Report Date: 02/15/02
Expiration Date: 10/23/05

Project Summary: Architectural Testing, Inc. (ATT) was contracted by MI Home Products, Inc. to witness performance testing on a Series/Model 740/744, aluminum single hung window at MI Home Products, Inc.'s test facility in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for a H-R45 52 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:

Series/Model: 740/744

Type: Aluminum Single Hung Window With Nail Fin

Overall Size: 4' 4-1/8" wide by 5' 11-5/8" high

Active Sash Size: 4' 2-3/4" wide by 2' 11-5/8" high

Fixed Daylight Opening Size: 4' 1-1/8" wide by 2' 9" high

Screen Size: 4' 1-7/8" wide by 2' 11-5/16" high

Finish: All aluminum was polished.

Glazing Details: The active sash and fixed lite were glazed with one sheet of 1/8" thick clear tempered glass. Each sash was channel glazed using a flexible vinyl gasket.

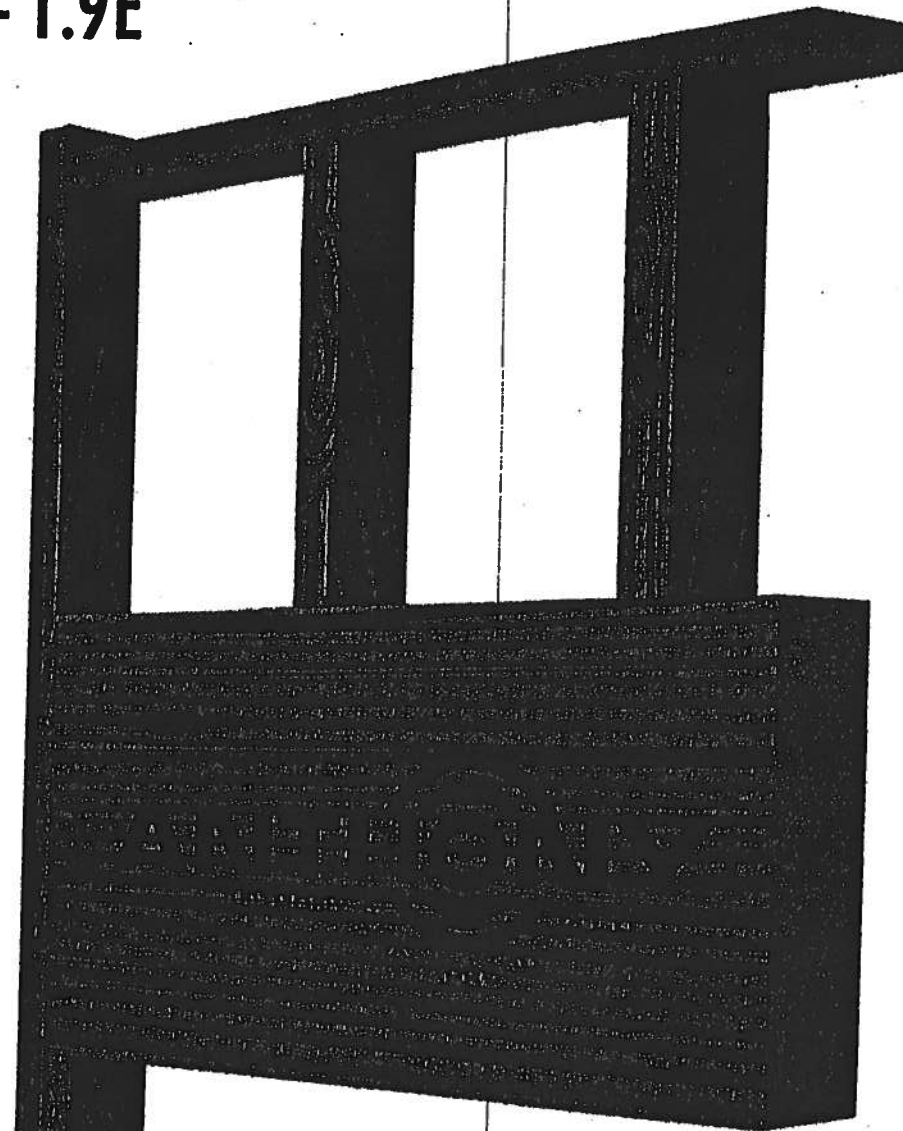
130 Derry Court
York, PA 17402-9405
Phone: 717.764.7700
Fax: 717.764.4129
www.testati.com



Allen N. Reeves

Anthony POWER HEADER®

2600F_b - 1.9E



Anthony POWER HEADER® Advantages

- ◆ Less Expensive than LVL or PSL
- ◆ Cambered or Non-cambered
- ◆ Lighter than Steel, LVL or PSL
- ◆ 3-1/2" Width to Match Framing
- ◆ Pre-Cut Lengths
- ◆ One Piece - No Nail Laminating
- ◆ Renewable Resource
- ◆ Lifetime Warranty

**Garage Header
Sizing Tables**

ANTHONY®
ANTHONY FOREST PRODUCTS CO.

3-1/2" WIDTH GARAGE HEADER APPLICATION - SINGLE STORY

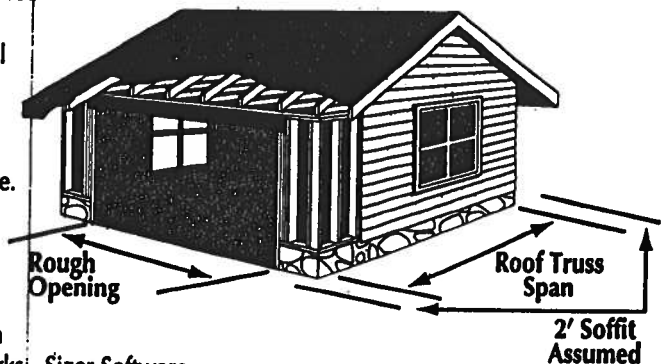
HEADER SUPPORTING: 1/2 ROOF SPAN

9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"
8-3/8	11-1/4	12-5/8	8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	14	15-3/8	8-3/8	14	16-3/4
8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	12-5/8	15-3/8	8-3/8	14	15-3/8	8-3/8	15-3/8	
8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	12-5/8	15-3/8	8-3/8	14	15-3/8	8-3/8	14	16-3/4	9-3/4	15-3/8	
8-3/8	12-5/8	14	8-3/8	12-5/8	15-3/8	8-3/8	14	15-3/8	8-3/8	14	15-3/8	8-3/8	15-3/8		9-3/4		
8-3/8	12-5/8	14	8-3/8	14	15-3/8	8-3/8	14	15-3/8	8-3/8	15-3/8	16-3/4	9-3/4	15-3/8		9-3/4		
8-3/8	14	15-3/8	8-3/8	14	15-3/8	8-3/8	14	16-3/4	8-3/8	15-3/8		9-3/4			9-3/4		
8-3/8	14	15-3/8	8-3/8	14	16-3/4	8-3/8	15-3/8		9-3/4	15-3/8		9-3/4			9-3/4		
8-3/8	14	15-3/8	8-3/8	15-3/8		8-3/8	15-3/8		9-3/4			9-3/4			11-1/4		
8-3/8	14	16-3/4	8-3/8	15-3/8		9-3/4	15-3/8		9-3/4			9-3/4			11-1/4		

9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"	9'-3"	16'-3"	18'-3"
8-3/8	11-1/4	12-5/8	8-3/8	11-1/4	12-5/8	8-3/8	11-1/4	12-5/8	8-3/8	11-1/4	12-5/8	8-3/8	12-5/8	14
8-3/8	11-1/4	12-5/8	8-3/8	11-1/4	12-5/8	8-3/8	11-1/4	12-5/8	8-3/8	12-5/8	14	8-3/8	12-5/8	14
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8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	14	15-3/8	8-3/8	14	15-3/8	8-3/8	15-3/8	

NOTES:

1. Table assumes a simple span header supporting a uniform load transferred from 1/2 the roof span plus a 2' soffit.
2. Roof live and dead loads shown are applied vertically to the horizontal projection. No reductions in roof live loads or snow loads were considered. The header weight is accounted for in the table.
3. Deflection is limited to L/240 for live load and L/180 for total load.
4. Headers are assumed to have continuous lateral support along top edge.
5. Bearing length based on full width bearing is indicated as follows:
Non-shaded sizes require two trimmers (3" bearing).
Shaded sizes require three trimmers (4.5" bearing).
Shaded & outlined sizes require four trimmers (6" bearing).
6. ** Applications where load carrying capacity of 16-3/4" depth has been exceeded. See AFP 30F_b POWER BEAM® literature or AFP's WoodWorks - Sizer Software.



3-1/2" WIDTH GARAGE HEADER PLF CAPACITY

844	896	1216	1573							
161	207	254	330	390	510	552	669	752	824	
114	145	180	231	277	359	391	510	534	653	707 789

844	975	1322								
161	207	254	330	390	510	552	724	752	897	
114	145	180	231	277	359	391	510	534	699	693

562	778	888	1056	1363	1367		1582				
107	153	169	245	260	380	368	540	501	715	664	864
76	107	120	171	185	267	261	380	356	521	471	684
										609	813

NOTES:

1. Values shown are the maximum uniform loads in pounds per lineal foot (PLF) that can be applied to the header. Header weight has been subtracted from the allowable total load.
2. Tables are based on simple span uniform load conditions using a design span equal to the center-to-center of bearing. Non-shaded areas are based on 3" of bearing at each support, shaded areas on 4.5" of bearing, and shaded & outlined areas on 6" of bearing at supports.
3. Headers are assumed to be loaded on the top edge with continuous lateral support along compression edge.
4. When no live load is listed, total load controls.
5. Deflection limits are listed within the PLF table heading.

GARAGE HEADER SIZING USING PLF TABLES:

To size a garage header supporting roof only, determine the total load & live load in pounds per lineal foot (PLF). Check the appropriate PLF table for a header supporting roof loads only (125% Non-Snow vs. 115% Snow) and select a member with a total load and live load capacity which meets or exceeds the design load for the rough opening size. For a garage header supporting roof, wall, and floor framing, determine the total load and live load in pounds per lineal foot (PLF). Select a header size from the roof, wall, and floor table (100% load duration) which has a total load and live load capacity equal to or greater than the design load for the appropriate rough opening.

Anthony POWER HEADER®

26F_b - 1.9E

ENGINEERED WOOD SECTION PROPERTIES AND LOAD CAPACITIES

ALLOWABLE DESIGN STRESSES (PSI):

FLEXURAL STRESS (F_b) = 2600

COMPRESSION PERP. TO GRAIN ($F_{c\perp}$) = 740

HORIZONTAL SHEAR (F_v) = 225

MODULUS OF ELASTICITY (MOE) = 1.9×10^6

	7.7	9.0	10.4	11.7	12.9	14.2	15.5
	326	514	789	1115	1521	2014	2604
	8865	12015	15996	20145	24772	29877	35460
	3908	4550	5250	5892	6533	7175	7817

NOTES:

1. Beam weights are based on 38 pcf.
2. Moment capacities are based on a span of 21 feet and must be modified for other spans.
3. Flexural Stress, F_b , shall be modified by the Volume Factor, C_v as outlined in AITC 117 - Design 1993 and the NDS for Wood Construction 1997.
4. Allowable design properties and load capacities are based on a load duration of 100 percent and dry use conditions.
5. The AITC NER 466 was used in calculating the above allowable design stresses for POWER HEADER®.

GARAGE HEADER COMPARISONS

810 / 540	3-1/2" x 8-3/8"	3-1/2" x 9-5/8"	3-1/2" x 9"	3-1/2" x 9-1/4"	3-1/2" x 11-1/4"
990 / 720	3-1/2" x 9-3/4"	3-1/2" x 9-5/8"	3-1/2" x 10-1/2"	3-1/2" x 9-1/4"	3-1/2" x 11-1/4"
640 / 400	3-1/2" x 12-5/8"	3-1/2" x 13-3/4"	3-1/2" x 13-1/2"	3-1/2" x 14"	3-1/2" x 14"
765 / 510	3-1/2" x 14"	3-1/2" x 15-1/8"	3-1/2" x 15"	3-1/2" x 14"	3-1/2" x 16"
750 / 480	3-1/2" x 15-3/8"	3-1/2" x 16-1/2"	3-1/2" x 16-1/2"	3-1/2" x 16"	3-1/2" x 18"
900 / 600	3-1/2" x 16-3/4"	3-1/2" x 17-7/8"	3-1/2" x 18"	3-1/2" x 16"	----

For more information on POWER HEADER®,
or other laminated structural products from
Anthony Forest Products Company please call
1-800-221-2326 or FAX at 870-862-6502.

POWER HEADER® is a trademark of

Anthony Forest Products Company

Post Office Box 1877 • El Dorado, Arkansas 71731

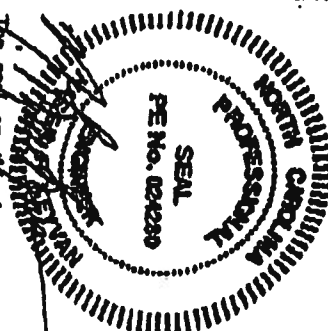
Internet address: [http:// www.anthonyforest.com](http://www.anthonyforest.com)

e-mail: info@anthonyforest.com

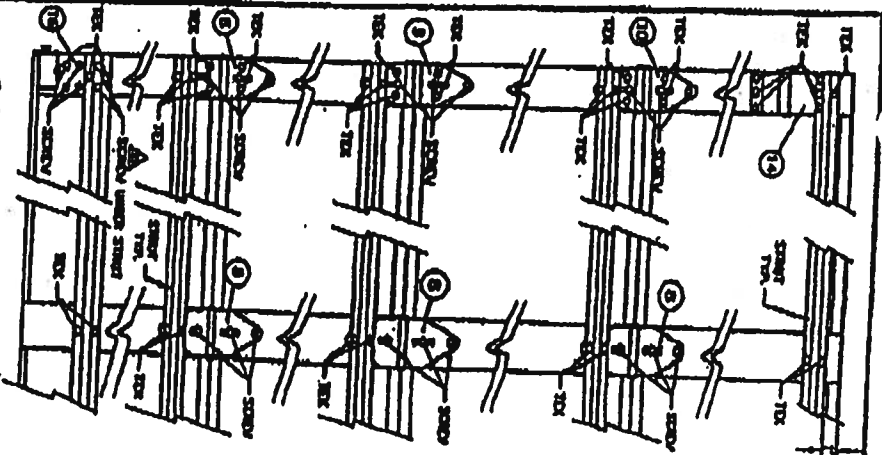
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Distributed by:

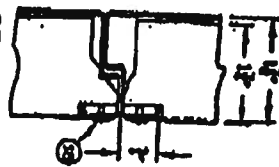
The seal on this drawing, only
intended that the product(s)
represented and described herein
comply with the requirements of
the code as tested.



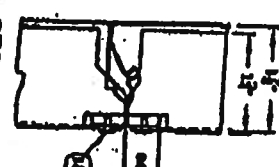
FASTER ARRANGEMENT A



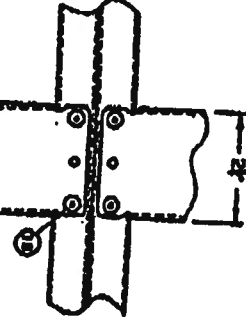
SEC. D-D
PIN ATTACHMENT
AS TESTED



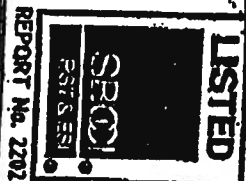
SEC. D-D
PIN ATTACHMENT
OPTIONAL



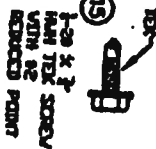
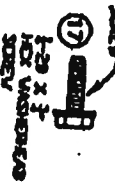
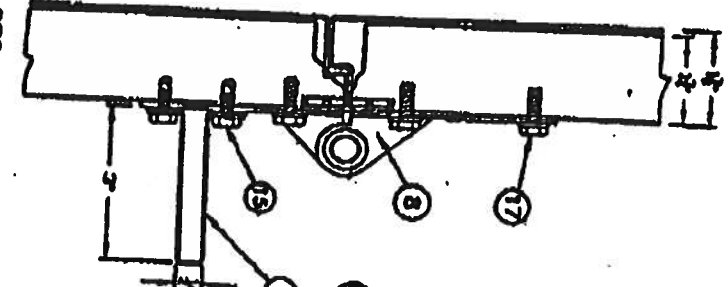
SEC. G-G
CROSS STILE
20 GA. GALVANIZED



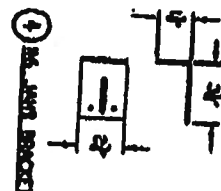
SEC. G-G
CROSS STILE
20 GA. GALVANIZED



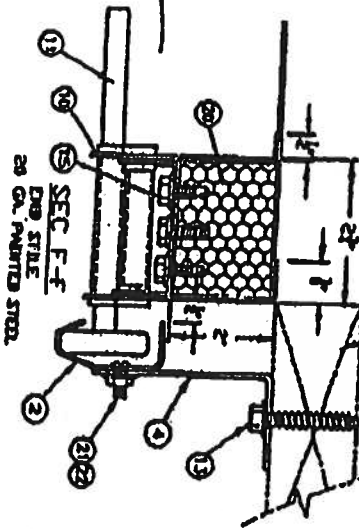
SEC. A-A



5-3/8 GA. 88 TEK TITLS
STRENGTH REDUCED
2 TEK SCREWS FOR HANG
ON STILE LOCATION
ON FOR STIFF, REDUCED

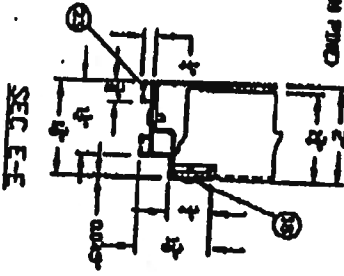


TRACK CROSS MEMO
16 GA. CROSS MEMO



DO PRESSURE TREATED LUMBER
GRADE #2 OR BETTER SCHEDULE PWD

SEC. F-F
DO STILE
20 GA. PAINTED STEEL



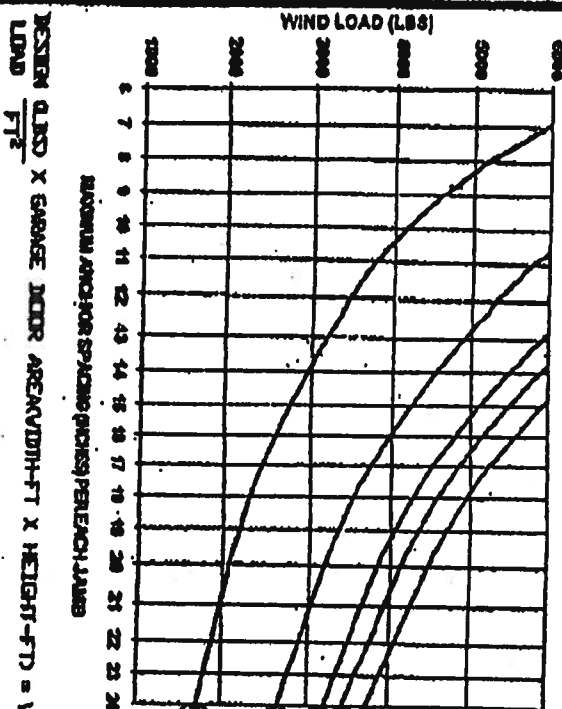
SEC. E-E



GENERAL AMERICAN AIR COMPANY
3000 BAYVIEW BLVD. SUITE 100
MONTGOMERY, AL 36106

NO.	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
1	DOOR FRAME	1	EA	100.00	100.00
2	DOOR PANEL	1	EA	200.00	200.00
3	DOOR HINGE	4	EA	25.00	100.00
4	DOOR LOCK	1	EA	50.00	50.00
5	DOOR HANDLE	1	EA	20.00	20.00
6	DOOR STOP	1	EA	10.00	10.00
7	DOOR SEAL	1	EA	15.00	15.00
8	DOOR HINGE	4	EA	25.00	100.00
9	DOOR LOCK	1	EA	50.00	50.00
10	DOOR HANDLE	1	EA	20.00	20.00
11	DOOR STOP	1	EA	10.00	10.00
12	DOOR SEAL	1	EA	15.00	15.00
13	DOOR HINGE	4	EA	25.00	100.00
14	DOOR LOCK	1	EA	50.00	50.00
15	DOOR HANDLE	1	EA	20.00	20.00
16	DOOR STOP	1	EA	10.00	10.00
17	DOOR SEAL	1	EA	15.00	15.00
18	DOOR HINGE	4	EA	25.00	100.00
19	DOOR LOCK	1	EA	50.00	50.00
20	DOOR HANDLE	1	EA	20.00	20.00
21	DOOR STOP	1	EA	10.00	10.00
22	DOOR SEAL	1	EA	15.00	15.00
23	DOOR HINGE	4	EA	25.00	100.00
24	DOOR LOCK	1	EA	50.00	50.00
25	DOOR HANDLE	1	EA	20.00	20.00
26	DOOR STOP	1	EA	10.00	10.00
27	DOOR SEAL	1	EA	15.00	15.00
28	DOOR HINGE	4	EA	25.00	100.00
29	DOOR LOCK	1	EA	50.00	50.00
30	DOOR HANDLE	1	EA	20.00	20.00
31	DOOR STOP	1	EA	10.00	10.00
32	DOOR SEAL	1	EA	15.00	15.00
33	DOOR HINGE	4	EA	25.00	100.00
34	DOOR LOCK	1	EA	50.00	50.00
35	DOOR HANDLE	1	EA	20.00	20.00
36	DOOR STOP	1	EA	10.00	10.00
37	DOOR SEAL	1	EA	15.00	15.00
38	DOOR HINGE	4	EA	25.00	100.00
39	DOOR LOCK	1	EA	50.00	50.00
40	DOOR HANDLE	1	EA	20.00	20.00
41	DOOR STOP	1	EA	10.00	10.00
42	DOOR SEAL	1	EA	15.00	15.00
43	DOOR HINGE	4	EA	25.00	100.00
44	DOOR LOCK	1	EA	50.00	50.00
45	DOOR HANDLE	1	EA	20.00	20.00
46	DOOR STOP	1	EA	10.00	10.00
47	DOOR SEAL	1	EA	15.00	15.00
48	DOOR HINGE	4	EA	25.00	100.00
49	DOOR LOCK	1	EA	50.00	50.00
50	DOOR HANDLE	1	EA	20.00	20.00
51	DOOR STOP	1	EA	10.00	10.00
52	DOOR SEAL	1	EA	15.00	15.00
53	DOOR HINGE	4	EA	25.00	100.00
54	DOOR LOCK	1	EA	50.00	50.00
55	DOOR HANDLE	1	EA	20.00	20.00
56	DOOR STOP	1	EA	10.00	10.00
57	DOOR SEAL	1	EA	15.00	15.00
58	DOOR HINGE	4	EA	25.00	100.00
59	DOOR LOCK	1	EA	50.00	50.00
60	DOOR HANDLE	1	EA	20.00	20.00
61	DOOR STOP	1	EA	10.00	10.00
62	DOOR SEAL	1	EA	15.00	15.00
63	DOOR HINGE	4	EA	25.00	100.00
64	DOOR LOCK	1	EA	50.00	50.00
65	DOOR HANDLE	1	EA	20.00	20.00
66	DOOR STOP	1	EA	10.00	10.00
67	DOOR SEAL	1	EA	15.00	15.00
68	DOOR HINGE	4	EA	25.00	100.00
69	DOOR LOCK	1	EA	50.00	50.00
70	DOOR HANDLE	1	EA	20.00	20.00
71	DOOR STOP	1	EA	10.00	10.00
72	DOOR SEAL	1	EA	15.00	15.00
73	DOOR HINGE	4	EA	25.00	100.00
74	DOOR LOCK	1	EA	50.00	50.00
75	DOOR HANDLE	1	EA	20.00	20.00
76	DOOR STOP	1	EA	10.00	10.00
77	DOOR SEAL	1	EA	15.00	15.00
78	DOOR HINGE	4	EA	25.00	100.00
79	DOOR LOCK	1	EA	50.00	50.00
80	DOOR HANDLE	1	EA	20.00	20.00
81	DOOR STOP	1	EA	10.00	10.00
82	DOOR SEAL	1	EA	15.00	15.00
83	DOOR HINGE	4	EA	25.00	100.00
84	DOOR LOCK	1	EA	50.00	50.00
85	DOOR HANDLE	1	EA	20.00	20.00
86	DOOR STOP	1	EA	10.00	10.00
87	DOOR SEAL	1	EA	15.00	15.00
88	DOOR HINGE	4	EA	25.00	100.00
89	DOOR LOCK	1	EA	50.00	50.00
90	DOOR HANDLE	1	EA	20.00	20.00
91	DOOR STOP	1	EA	10.00	10.00
92	DOOR SEAL	1	EA	15.00	15.00
93	DOOR HINGE	4	EA	25.00	100.00
94	DOOR LOCK	1	EA	50.00	50.00
95	DOOR HANDLE	1	EA	20.00	20.00
96	DOOR STOP	1	EA	10.00	10.00
97	DOOR SEAL	1	EA	15.00	15.00
98	DOOR HINGE	4	EA	25.00	100.00
99	DOOR LOCK	1	EA	50.00	50.00
100	DOOR HANDLE	1	EA	20.00	20.00

WIND LOAD vs ANCHOR SPACING

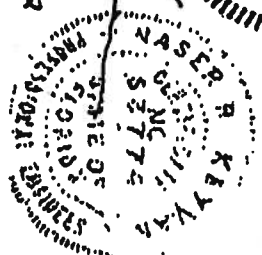
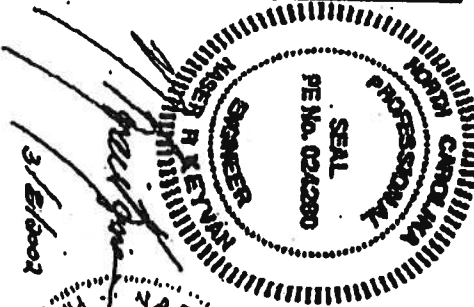
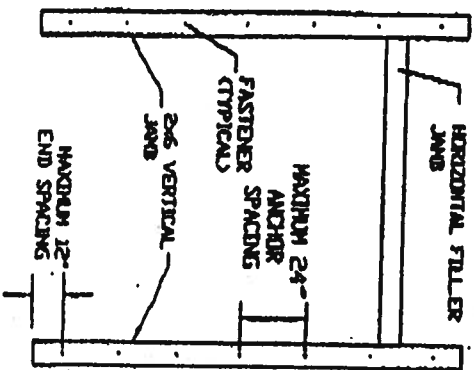


EXAMPLE

30 LBS X 06 FT WIDE X 8 FT HIGH = 3040 LBS
 FT²

③ USE 22" SPACING
 ③ USE 21" SPACING
 ③ USE 19" SPACING

SEE NOTE B FOR ANCHORS
 REQUIRED 2x6 WOOD JAMB ANCHORS



2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

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

ALL DOOR DRUMS SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH THE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HARBOR" POSTS.

ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SOCCS STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION SSTD 10, CORRECT EDITION.

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

WOOD FRAME, JAMB AND STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAYERS OF 2x6 PRESSURE TREATED SOUTHERN PINE OR GRADE OR BETTER WALL STUDS CONTINUOUS FROM FLOORING TO ROOFING PLATE.

REINFORCED CMU OR CONCRETE 2x6 WOOD JAMB SHALL BE ANCHORED TO SUBSTRATE AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND END SPACING ON REINFORCED CONCRETE COLUMNS SHALL COMPLY WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2500 PSI. GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

ANCHORS LISTED ARE THE MINIMUM ALLOWABLE DIMENSIONS.

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

LAG BOLTS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2x6 WALL STUDS.

WASHERS ARE REQUIRED ON ALL FASTENERS.

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

FOR THE UPPER THREE INCHES OF 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, AND AN ADDITIONAL 2x6 WOOD JAMB ANCHOR NEAR THE STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.

GENERAL AMERICAN DOOR COMPANY
 2000 HAWKINS RD
 HUNTSVILLE, AL 35894

DATE: 3-15-04
 DRAWN BY: JLV
 CHECKED BY: JLV
 APPROVED BY: JLV

FOR THE STRUCTURE ATTACHMENT
 FOR WIND LOADED GARAGE DOORS

AL8560



ELK



**PRESTIQUE®
HIGH DEFINITION®**



RAISED PROFILE™

**Prestique Plus *High Definition*
and Prestique Gallery Collection™**

Product size 13½"x 39"
Exposure 5½"
Pieces/Bundle 16
Bundles/Square 4/98.5 sq.ft.
Squares/Pallet 11

50-year limited warranty period:
non-prorated coverage for
shingles and application labor for
the initial 5 years, plus an option
for transferability*; prorated
coverage for application labor and
shingles for balance of limited
warranty period; 5-year limited
wind warranty*.

Raised Profile

Product size 13½"x 38"
Exposure 5½"
Pieces/Bundle 22
Bundles/Square 3/100 sq.ft.
Squares/Pallet 16

30-year limited warranty period:
non-prorated coverage for
shingles and application labor for
the initial 5 years, plus an option
for transferability*; prorated
coverage for application labor and
shingles for balance of limited
warranty period; 5-year limited
wind warranty*.

Prestique I *High Definition*

Product size 13½"x 39"
Exposure 5½"
Pieces/Bundle 16
Bundles/Square 4/98.5 sq.ft.
Squares/Pallet 14

40-year limited warranty period:
non-prorated coverage for
shingles and application labor for
the initial 5 years, plus an option
for transferability*; prorated
coverage for application labor and
shingles for balance of limited
warranty period; 5-year limited
wind warranty*.

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/FLX™

Size: 12" x 12"
Exposure: 6½"
Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

Prestique *High Definition*

Product size 13½"x 38"
Exposure 5½"
Pieces/Bundle 22
Bundles/Square 3/100 sq.ft.
Squares/Pallet 16

30-year limited warranty period:
non-prorated coverage for
shingles and application labor for
the initial 5 years, plus an option
for transferability*; prorated
coverage for application labor and
shingles for balance of limited
warranty period; 5-year limited
wind warranty*.

Elk Starter Strip

52 Bundles/Pallet
18 Pallets/Truck
936 Bundles/Truck
19 Pieces/Bundle
1 Bundle = 120.33 linear feet

Available Colors: Antique Slate, Weatheredwood, Shakeswood, Sablewood, Hickory, Barkwood**, Forest Green, Wedgewood**, Birchwood**, Sandalwood.
Gallery Collection: Balsam Forest™, Weathered Sage™, Sienna Sunset™.

All Prestique, Raised Profile and Seal-A-Ridge roofing products contain Elk WindGuard® sealant. WindGuard activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in StainGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae. Not available in Sablewood.

All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles meet the latest Metro Dade building code requirements.

*See actual limited warranty for conditions and limitations.
**Check for product availability.

SPECIFICATIONS

SCOPE: Work includes furnishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color).

MATERIALS: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater; apply non-perforated No. 15 or 30 asphalt-saturated felt.

warranties are contingent upon the correct installation as shown on the instructions. These instructions are the

Residential System Sizing Calculation

Summary

EWPL INC

Lake City, FL

Project Title:
The Nicolas - Fort White Station 15

Code Only
Professional Version
Climate: North

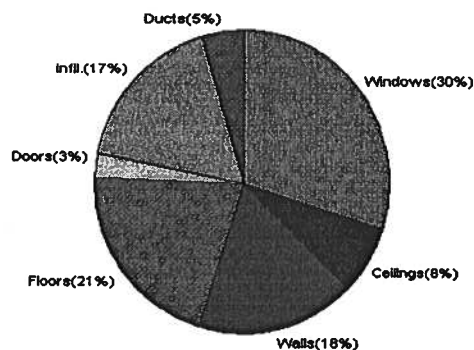
11/14/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	93 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	18 F
Total heating load calculation	31866 Btuh	Total cooling load calculation	31086 Btuh
Submitted heating capacity	36000 Btuh	Submitted cooling capacity	36000 Btuh
Submitted as % of calculated	113.0 %	Submitted as % of calculated	115.8 %

WINTER CALCULATIONS

Winter Heating Load (for 1853 sqft)

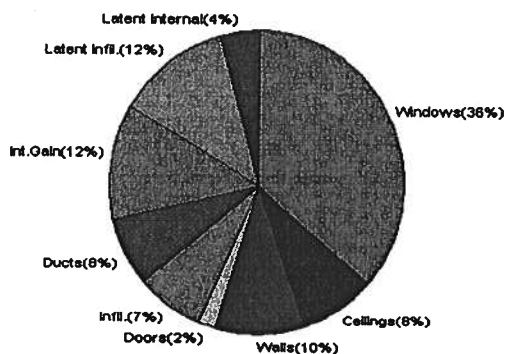
Load component		Load	
Window total	337 sqft	9551	Btuh
Wall total	1890 sqft	5595	Btuh
Door total	56 sqft	847	Btuh
Ceiling total	1853 sqft	2409	Btuh
Floor total	210 ft	6636	Btuh
Infiltration	124 cfm	5310	Btuh
Subtotal		30349	Btuh
Duct loss		1517	Btuh
TOTAL HEAT LOSS		31866	Btuh



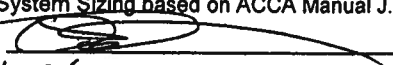
SUMMER CALCULATIONS

Summer Cooling Load (for 1853 sqft)

Load component		Load	
Window total	337 sqft	11290	Btuh
Wall total	1890 sqft	3165	Btuh
Door total	56 sqft	559	Btuh
Ceiling total	1853 sqft	2631	Btuh
Floor total		0	Btuh
Infiltration	108 cfm	2144	Btuh
Internal gain		3800	Btuh
Subtotal(sensible)		23590	Btuh
Duct gain		2359	Btuh
Total sensible gain		25949	Btuh
Latent gain(infiltration)		3756	Btuh
Latent gain(internal)		1380	Btuh
Total latent gain		5136	Btuh
TOTAL HEAT GAIN		31086	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: 

DATE: 11-14-06

System Sizing Calculations - Winter

Residential Load - Component Details

EWPL INC

Lake City, FL

Project Title:

The Nicolas - Fort White Station 15

Code Only

Professional Version

Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

11/14/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	S	42.0	28.3	1189 Btuh
2	2, Clear, Metal, DEF	S	13.3	28.3	377 Btuh
3	2, Clear, Metal, DEF	S	9.3	28.3	264 Btuh
4	2, Clear, Metal, DEF	S	17.5	28.3	495 Btuh
5	2, Clear, Metal, DEF	E	30.0	28.3	849 Btuh
6	2, Clear, Metal, DEF	N	30.0	28.3	849 Btuh
7	2, Clear, Metal, DEF	N	72.0	28.3	2038 Btuh
8	2, Clear, Metal, DEF	N	36.0	28.3	1019 Btuh
9	2, Clear, Metal, DEF	W	21.3	28.3	604 Btuh
10	2, Clear, Metal, DEF	N	30.0	28.3	849 Btuh
11	2, Clear, Metal, DEF	W	20.0	28.3	566 Btuh
12	2, Clear, Metal, DEF	W	16.0	28.3	453 Btuh
Window Total			337		9551 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Adjacent	13.0	176	1.6	282 Btuh
2	Frame - Exterior	13.0	1714	3.1	5313 Btuh
Wall Total			1890		5595 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		20	17.9	359 Btuh
2	Wood - Exter		18	17.9	323 Btuh
3	Wood - Adjac		18	9.2	166 Btuh
Door Total			56		847 Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1853	1.3	2409 Btuh
Ceiling Total			1853		2409 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	210.0 ft(p)	31.6	6636 Btuh
Floor Total			210		6636 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	18530(sqft)	124	5310 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				124	5310 Btuh

Totals for Heating	Subtotal	30349 Btuh
	Duct Loss(using duct multiplier of 0.05)	1517 Btuh
	Total Btuh Loss	31866 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

EWPL INC

Lake City, FL

Project Title:

The Nicolas - Fort White Station 15

Code Only

Professional Version

Climate: North

11/14/2006

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

(Frame types - metal, wood or insulated metal)

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

(HTM - ManualJ Heat Transfer Multiplier)

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

Manual J Summer Calculations

Residential Load - Component Details (continued)

EWPL INC
Lake City, FL

Project Title:
The Nicolas - Fort White Station 15

Code Only
Professional Version
Climate: North

11/14/2006

Totals for Cooling	Subtotal	23590 Btuh
	Duct gain(using duct multiplier of 0.10)	2359 Btuh
	Total sensible gain	25949 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	3756 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	31086 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

