

Columbia County Building Permit Application

Revised 8-23-04

For Office Use Only Application # 0605-11 Date Received 5/3 By JW Permit # 24515
 Application Approved by - Zoning Official _____ Date _____ Plans Examiner OK JTH Date 5-10-06
 Flood Zone _____ Development Permit _____ Zoning _____ Land Use Plan Map Category _____
 Comments _____

Applicants Name John Norris Phone 758-3663
 Address 351 NW Corwin Gl
 Owners Name Image Development Group LLC Phone 352-538-9697
 911 Address 209 SW Green Wood Terr. Ft. White
 Contractors Name John Norris Phone 758-3663
 Address 351 NW Corwin Gl
 Fee Simple Owner Name & Address Image Development Group
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address Bill Freeman
 Mortgage Lenders Name & Address Capital City Bank

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 04056-104 (34-65-16) Estimated Cost of Construction 125,000
 Subdivision Name Thornwood Lot # 4 Block _____ Unit _____ Phase _____
 Driving Directions take SR 47 to ft White turn Left on SR 27 go 1/4 mile turn Left on CR 18 go 1/2 mile turn left on Greenwood Terr.
 Type of Construction New Home Number of Existing Dwellings on Property 0
 Total Acreage 1.25 Lot Size _____ Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 0' Side 25' Side 15' Rear 10'
 Total Building Height 15' 11 3/4" Number of Stories 1 Heated Floor Area 1788 Roof Pitch 6/12
006105 314 GARAGE 528 TOTAL 2630

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.

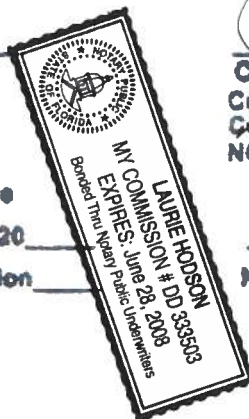
OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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.

John Norris
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 3 day of May 20
 Personally known ☒ or Produced Identification _____



John Norris
 Contractor Signature
 Contractors License Number RG 0066597
 Competency Card Number _____
 NOTARY STAMP/SEAL

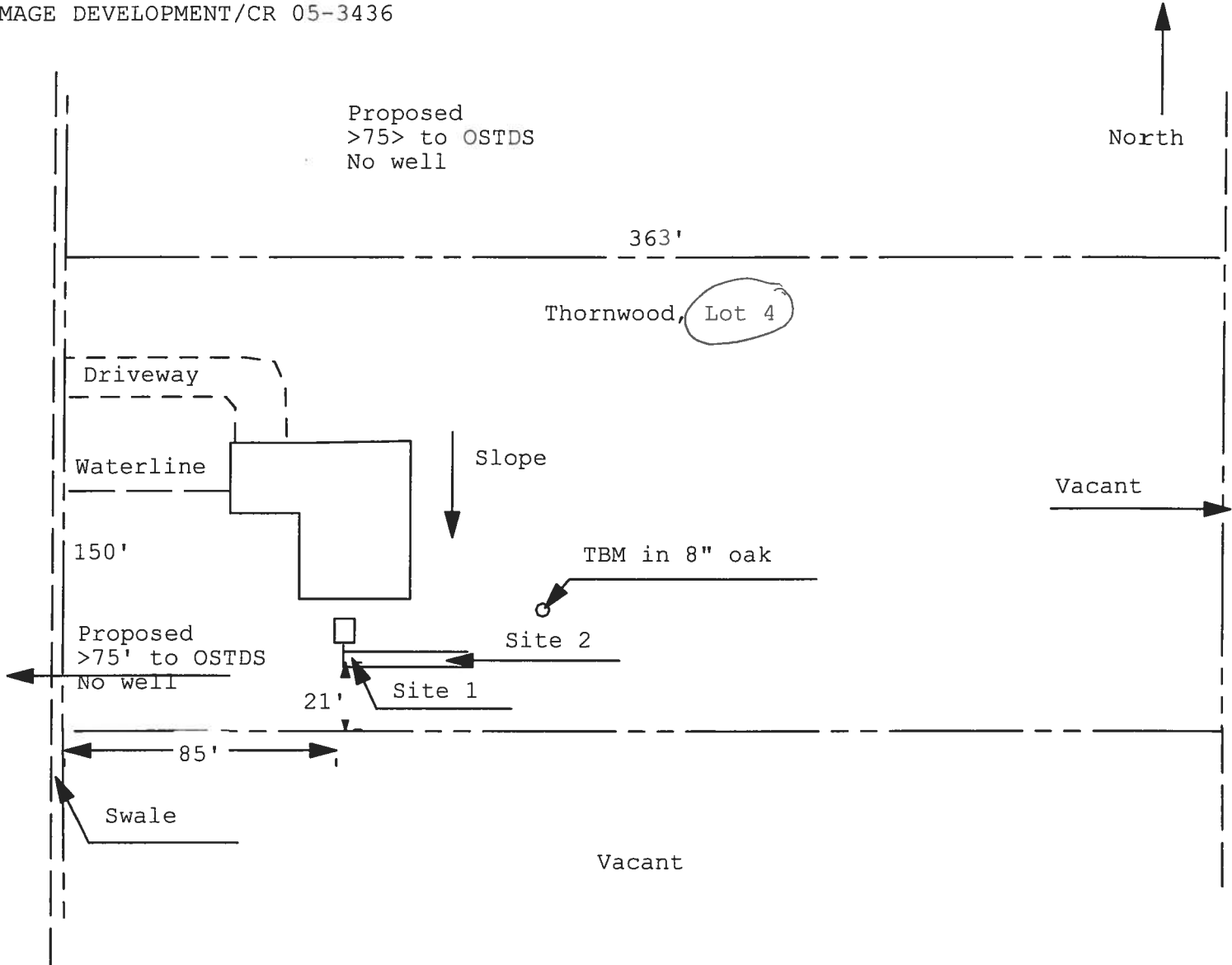
Laurie Hodson
 Notary Signature

Also advised work on 5/12/06

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 06-0448N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

IMAGE DEVELOPMENT/CR 05-3436



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 3/22/06
Plan Approved Not Approved Date 5/8/06

By Mr. J. M. Columbia CPHU

Notes: _____

Columbia County Property Appraiser

DB Last Updated: 4/6/2006

Parcel: 34-6S-16-04056-104

2006 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	IMAGE DEVELOPMENT GROUP LLC
Site Address	
Mailing Address	27607 NW CR 1491 ALACHUA, FL 326153146
Description	LOT 4 THORNWOOD S/D WD 1030-2804 LOT 4 THORNWOOD S/D WD 1030-2804

Use Desc. (code)	VACANT (000000)
Neighborhood	16.00
Tax District	4
UD Codes	MKTA02
Market Area	02
Total Land Area	1.250 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$40,500.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$40,500.00

Just Value	\$40,500.00
Class Value	\$0.00
Assessed Value	\$40,500.00
Exempt Value	\$0.00
Total Taxable Value	\$40,500.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
NONE						

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 - (1.250AC)	1.00/1.00/1.00/1.00	\$40,500.00	\$40,500.00

Columbia County Property Appraiser

DB Last Updated: 4/6/2006

1 of 1

Disclaimer

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

Parcel I D #: 04056-104

Inst: 2006009188 Date: 04/17/2006 Time: 13:34
DC, P. DeWitt Cason, Columbia County B: 1080 P: 1842

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

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

Lot 4, THORNWOOD SUBDIVISION, according to the map or plat thereof as recorded in Plat Book 7, Page 202-204, of the Public Records of Columbia County, Florida.

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

3. Owner information:

- a. Name and address:
**IMAGE DEVELOPMENT GROUP, LLC
20074 NW 258TH DRIVE, HIGH SPRINGS, FL 32643**
- b. Interest in property: **Fee Simple**
- c. Name and Address of Fee Simple Titleholder (if other than owner):

4. Contractor: (Name and Address)

**JOHN NORRIS CONSTRUCTION, INC.
351 NW CORWIN GLN, LAKE CITY, FL 32055
Telephone Number: 386-758-3663 AND 386-961-1549**

5. Surety (if any):

- a. Name and Address:
Telephone Number: _____
- b. Amount of Bond \$ _____

6. Lender: (Name and Address)

**CAPITAL CITY BANK
1301 METROPOLITAN BLVD., TALLAHASSEE, FLORIDA 32308
Telephone Number: 850-402-2223**

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

8. In addition to himself, Owner designates the following person(s) to receive a copy of the Licor's Notice as provided in Section 713.13(1)(b), Florida Statutes: (Name and Address)

**CAPITAL CITY BANK
1301 METROPOLITAN BLVD., TALLAHASSEE, FLORIDA 32308
Telephone Number: 850-402-2223**

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

IMAGE DEVELOPMENT GROUP, LLC

By: Richard C. Parker {SEAL} _____ {SEAL}

RICHARD C. PARKER

Sworn to and subscribed before me this 17th day of April, 2006, by RICHARD C. PARKER as
MANAGING MEMBER of IMAGE DEVELOPMENT GROUP, LLC, who is personally known to me
or who has produced _____
_____ as identification.

Notary Public

My Commission Expires: _____



Martha Bryan
MY COMMISSION # DD232534 EXPIRES
August 10, 2007
BONDED THRU TROY FAIR INSURANCE, INC.

Town of Fort White

Post Office Box 129 Fort White, Florida 32038-0129

Town Hall - (386) 497-2321 • Public Works - (386) 497-3345

Email: townofftwhite@alltel.com • Web site: Townoffortwhitefl.com

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: Image Development Group

ADDRESS: P.O. Box 305 Newberry, FL 32669

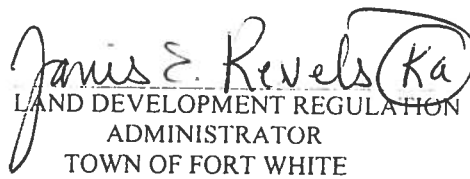
PROPERTY DESCRIPTION: Lot #4 Thornwood Subdivision
(parcel number if possible) Parcel#4056-104

DEVELOPMENT: 1.25 Acres Single Family Dwelling

You are hereby authorized to issue the appropriate building permits.

03/17/2006

DATE


LAND DEVELOPMENT REGULATION
ADMINISTRATOR
TOWN OF FORT WHITE

District #1
Donald Cook
497-1086

District #2
Henry Maini
497-2992

District #3
John Gloskowski
497-3999

District #4
Demetric Jackson
497-2078

Mayor
Truett George
497-4741

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **Thronwood Lot 4**
 Address: _____
 City, State: _____
 Owner: _____
 Climate Zone: **South**

Builder: _____
 Permitting Office: **Columbia**
 Permit Number: **24515**
 Jurisdiction Number: **221000**

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: 10.00
4. Number of Bedrooms	3	_____	b. N/A	_____
5. Is this a worst case?	Yes	_____	c. N/A	_____
6. Conditioned floor area (ft ²)	1788 ft ²	_____	13. Heating systems	_____
7. Glass area & type	Single Pane Double Pane	_____	a. Electric Heat Pump	Cap: 36.0 kBtu/hr
a. Clear glass, default U-factor	0.0 ft ² 209.0 ft ²	_____		HSPF: 7.00
b. Default tint	0.0 ft ² 0.0 ft ²	_____	b. N/A	_____
c. Labeled U or SHGC	0.0 ft ² 0.0 ft ²	_____	c. N/A	_____
8. Floor types	_____	_____	14. Hot water systems	_____
a. Slab-On-Grade Edge Insulation	R=0.0, 232.0(p) ft	_____	a. Electric Resistance	Cap: 50.0 gallons
b. N/A	_____	_____		EF: 0.90
c. N/A	_____	_____	b. N/A	_____
9. Wall types	_____	_____	c. Conservation credits	_____
a. Frame, Wood, Exterior	R=13.0, 1856.0 ft ²	_____	(HR-Heat recovery, Solar	_____
b. N/A	_____	_____	DHP-Dedicated heat pump)	_____
c. N/A	_____	_____	15. HVAC credits	_____
d. N/A	_____	_____	(CF-Ceiling fan, CV-Cross ventilation,	_____
e. N/A	_____	_____	HF-Whole house fan,	_____
10. Ceiling types	_____	_____	PT-Programmable Thermostat,	_____
a. Under Attic	R=30.0, 1966.8 ft ²	_____	MZ-C-Multizone cooling,	_____
b. N/A	_____	_____	MZ-H-Multizone heating)	_____
c. N/A	_____	_____		_____
11. Ducts	_____	_____		_____
a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 64.0 ft	_____		_____
b. N/A	_____	_____		_____

Glass/Floor Area: 0.12

Total as-built points: 23420

Total base points: 29189

PASS

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

PREPARED BY: Walter A. Lee
 DATE: 2/16/06

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: _____



SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

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	1788.0	32.50	10459.8	Double, Clear	W	1.5	6.0	15.0	61.59	0.92	848.1
				Double, Clear	W	1.5	5.0	32.0	61.59	0.88	1740.5
				Double, Clear	W	1.5	6.0	50.0	61.59	0.92	2827.1
				Double, Clear	E	1.5	6.0	30.0	68.60	0.92	1888.1
				Double, Clear	E	1.5	7.0	48.0	68.60	0.94	3099.3
				Double, Clear	E	1.5	6.0	25.0	68.60	0.92	1573.4
				Double, Clear	S	1.5	4.0	9.0	58.45	0.76	399.2
				As-Built Total:				209.0	12375.9		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0	1856.0	2.40				4454.4
Exterior	1856.0	2.70	5011.2								
Base Total:				As-Built Total:		1856.0		4454.4			
DOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Exterior Insulated		20.4	6.40				130.6
Exterior	20.4	6.40	130.6								
Base Total:				As-Built Total:		20.4		130.6			
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1788.0	2.80	5006.4	Under Attic	30.0	1966.8	2.77 X 1.00		5448.0		
Base Total:				As-Built Total:		1966.8		5448.0			
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	232.0(p)	-20.0	-4640.0	Slab-On-Grade Edge Insulation	0.0	232.0(p)	-20.00				-4640.0
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:		232.0		-4640.0			
INFILTRATION Area X BSPM = Points						Area X SPM		= Points			
1788.0 18.79 33596.5						1788.0 18.79		33596.5			

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT									
Summer Base Points: 49564.5				Summer As-Built Points: 51365.4									
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	= Cooling Points
49564.5		0.4266	21144.2	51365.4		1.000		(1.000 x 1.165 x 0.90)		0.341		0.857	15745.8
				51365.4		1.00		1.048		0.341		0.857	15745.8

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

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	1788.0	2.36	759.5	Double, Clear	W	1.5	6.0	15.0	3.98	1.00	59.6		
				Double, Clear	W	1.5	5.0	32.0	3.98	1.00	127.2		
				Double, Clear	W	1.5	6.0	50.0	3.98	1.00	198.6		
				Double, Clear	E	1.5	6.0	30.0	3.30	1.02	101.1		
				Double, Clear	E	1.5	7.0	48.0	3.30	1.02	161.2		
				Double, Clear	E	1.5	6.0	25.0	3.30	1.02	84.2		
				Double, Clear	S	1.5	4.0	9.0	3.12	1.07	29.9		
				As-Built Total:			209.0			761.8			
WALL TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points					
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0			1856.0		0.60		1113.6	
Exterior	1856.0	0.60	1113.6										
Base Total:		1856.0	1113.6	As-Built Total:			1856.0			1113.6			
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points					
Adjacent	0.0	0.00	0.0	Exterior Insulated				20.4		1.80		36.7	
Exterior	20.4	1.80	36.7										
Base Total:		20.4	36.7	As-Built Total:			20.4			36.7			
CEILING TYPES Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points					
Under Attic	1788.0	0.10	178.8	Under Attic	30.0			1966.8		0.10 X 1.00		196.7	
Base Total:		1788.0	178.8	As-Built Total:			1966.8			196.7			
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points					
Slab	232.0(p)	-2.1	-487.2	Slab-On-Grade Edge Insulation	0.0			232.0(p)		-2.10		-487.2	
Raised	0.0	0.00	0.0										
Base Total:		-487.2	As-Built Total:			232.0				-487.2			
INFILTRATION Area X BWPM = Points							Area X WPM = Points						
		1788.0	-0.06			1788.0		-0.06		-107.3			

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT									
Winter Base Points: 1494.2				Winter As-Built Points: 1514.4									
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	= Heating Points
1494.2		0.6274	937.5	1514.4		1.000		(1.000 x 1.137 x 0.91)		0.487		0.950	725.1
				1514.4		1.00		1.035		0.487		0.950	725.1

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	Multiplier X Credit Multiplier	= Total
3		2369.00	7107.0	50.0	0.90	3	1.00	2316.36	6949.1
				As-Built Total:					6949.1

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
21144	937	7107	29189	15746	725	6949	23420

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.0

The higher the score, the more efficient the home.

Trent Giebeig, , , ,

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: 10.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft²)	1788 ft²	___		___
7. Glass area & type	Single Pane	Double Pane	13. Heating systems	
a. Clear - single pane	0.0 ft²	209.0 ft²	a. Electric Heat Pump	Cap: 36.0 kBtu/hr
b. Clear - double pane	0.0 ft²	0.0 ft²		HSPF: 7.00
c. Tint/other SHGC - single pane	0.0 ft²	0.0 ft²	b. N/A	___
d. Tint/other SHGC - double pane			c. N/A	___
8. Floor types			14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 232.0(p) ft	___	a. Electric Resistance	Cap: 50.0 gallons
b. N/A	___			EF: 0.90
c. N/A	___		b. N/A	___
9. Wall types			c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1856.0 ft²	___	(HR-Heat recovery, Solar	
b. N/A	___		DHP-Dedicated heat pump)	
c. N/A	___		15. HVAC credits	MZ-C, PT, CF, ___
d. N/A	___		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A	___		HF-Whole house fan,	
10. Ceiling types			PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 1966.8 ft²	___	MZ-C-Multizone cooling,	
b. N/A	___		MZ-H-Multizone heating)	
c. N/A	___			
11. Ducts				
a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 64.0 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 89 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 305/498-8824.*

Energy Gauge 8.0 Version: FLRCPB v3.30)

Residential System Sizing Calculation

Summary

Trent Giebeig

Project Title:
Thronwood Lot 4

Code Only
Professional Version
Climate: South

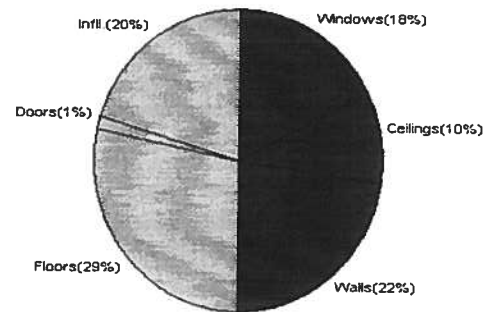
2/16/2006

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	98 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	23 F
Total heating load calculation	25633 Btuh	Total cooling load calculation	23372 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	140.4 36000	Sensible (SHR = 0.5)	98.0 18000
Heat Pump + Auxiliary(0.0kW)	140.4 36000	Latent	359.7 18000
		Total (Electric Heat Pump)	154.0 36000

WINTER CALCULATIONS

Winter Heating Load (for 1788 sqft)

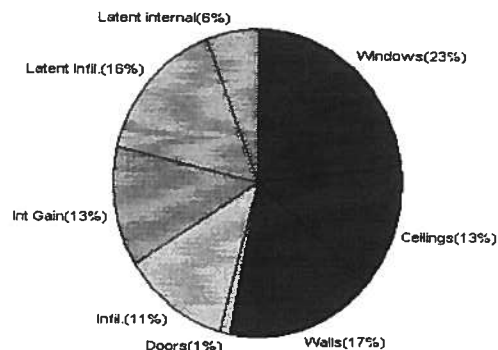
Load component	Load
Window total 209 sqft	4494 Btuh
Wall total 1856 sqft	5754 Btuh
Door total 20 sqft	374 Btuh
Ceiling total 1967 sqft	2557 Btuh
Floor total 232 ft	7331 Btuh
Infiltration 119 cfm	5124 Btuh
Subtotal	25633 Btuh
Duct loss	0 Btuh
TOTAL HEAT LOSS	25633 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1788 sqft)

Load component	Load
Window total 209 sqft	5429 Btuh
Wall total 1856 sqft	3972 Btuh
Door total 20 sqft	255 Btuh
Ceiling total 1967 sqft	3068 Btuh
Floor total	0 Btuh
Infiltration 105 cfm	2644 Btuh
Internal gain	3000 Btuh
Subtotal(sensible)	18368 Btuh
Duct gain	0 Btuh
Total sensible gain	18368 Btuh
Latent gain(infiltration)	3624 Btuh
Latent gain(internal)	1380 Btuh
Total latent gain	5004 Btuh
TOTAL HEAT GAIN	23372 Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: W. Giebeig

DATE: 2/16/06

System Sizing Calculations - Winter

Residential Load - Component Details

Trent Giebeig

Project Title:
Thronwood Lot 4

Code Only
Professional Version
Climate: South

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

2/16/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Wood, DEF	N	15.0	21.5	322 Btuh
2	2, Clear, Wood, DEF	N	32.0	21.5	688 Btuh
3	2, Clear, Wood, DEF	N	50.0	21.5	1075 Btuh
4	2, Clear, Wood, DEF	S	30.0	21.5	645 Btuh
5	2, Clear, Wood, DEF	S	48.0	21.5	1032 Btuh
6	2, Clear, Wood, DEF	S	25.0	21.5	538 Btuh
7	2, Clear, Wood, DEF	W	9.0	21.5	194 Btuh
Window Total			209		4494 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1856	3.1	5754 Btuh
Wall Total			1856		5754 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		20	18.3	374 Btuh
Door Total			20		374Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1967	1.3	2557 Btuh
Ceiling Total			1967		2557Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	232.0 ft(p)	31.6	7331 Btuh
Floor Total			232		7331 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	17880(sqft)	119	5124 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				119	5124 Btuh

Totals for Heating	Subtotal	25633 Btuh
	Duct Loss(using duct multiplier of 0.00)	0 Btuh
	Total Btuh Loss	25633 Btuh

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)

System Sizing Calculations - Summer

Residential Load - Component Details

Trent Giebeig

Project Title:
Thronwood Lot 4

Code Only
Professional Version
Climate: South

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 2/16/2006

Window	Type	Overhang		Window Area(sqft)			HTM		Load			
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded				
1	2, Clear, DEF, N, N	N	1.5	5	15.0	0.0	15.0	24	24	360	Btuh	
2	2, Clear, DEF, N, N	N	1.5	5	32.0	0.0	32.0	24	24	768	Btuh	
3	2, Clear, DEF, N, N	N	1.5	5	50.0	0.0	50.0	24	24	1200	Btuh	
4	2, Clear, DEF, N, N	S	1.5	6	30.0	30.0	0.0	24	39	720	Btuh	
5	2, Clear, DEF, N, N	S	1.5	7	48.0	48.0	0.0	24	39	1152	Btuh	
6	2, Clear, DEF, N, N	S	1.5	6	25.0	25.0	0.0	24	39	600	Btuh	
7	2, Clear, DEF, N, N	W	1.5	4	9.0	0.7	8.3	24	74	629	Btuh	
Window Total					209					5429	Btuh	
Walls 1	Type	R-Value			Area			HTM		Load		
	Frame - Exterior	13.0			1856.0			2.1		3972		Btuh
	Wall Total				1856.0					3972		Btuh
Doors 1	Type				Area			HTM		Load		
	Insulated - Exter				20.4			12.5		255		Btuh
	Door Total				20.4					255		Btuh
Ceilings 1	Type/Color	R-Value			Area			HTM		Load		
	Under Attic/Dark	30.0			1966.8			1.6		3068		Btuh
	Ceiling Total				1966.8					3068		Btuh
Floors 1	Type	R-Value			Size			HTM		Load		
	Slab-On-Grade Edge Insulation	0.0			232.0 ft(p)			0.0		0		Btuh
	Floor Total				232.0					0		Btuh
Infiltration	Type	ACH			Volume			CFM=		Load		
	Natural	0.35			17880			104.5		2644		Btuh
	Mechanical							0		0		Btuh
	Infiltration Total							105		2644		Btuh

Internal gain	Occupants		Btuh/occupant		Appliance	Load	
	6		X	300 +		1200	3000 Btuh

Totals for Cooling	Subtotal	18368 Btuh
	Duct gain(using duct multiplier of 0.00)	0 Btuh
	Total sensible gain	18368 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	3624 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
TOTAL GAIN		23372 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)

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

24515

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JF1024376 Company Phone No. 386-756-3011
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: John Morris
High Springs Development Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 2045 W Greenwood Terr
Fort. White, FL 32841

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

Section 4: Treatment Information

Date(s) of Treatment(s) 7-17-06
Brand Name of Product(s) Used G-Pro
EPA Registration No. 79674-1
Approximate Final Mix Solution % 0.25%
Approximate Size of Treatment Area: Sq. ft. 2630 Linear ft. 214 Linear ft. of Masonry Voids 214
Approximate Total Gallons of Solution Applied 475
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☐ Yes ☒ No

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

Attachments (List) _____

Comments _____

Name of Applicator(s) John Brennan Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature John Brennan Date 7-17-06

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

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)

COLUMBIA COUNTY OFFICE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 34-6S-16-04056-104

Building permit No. 000024515

Use Classification SFD/UTILITY

Fire: 44.64

Permit Holder JOHN NORRIS

Waste: 0.00

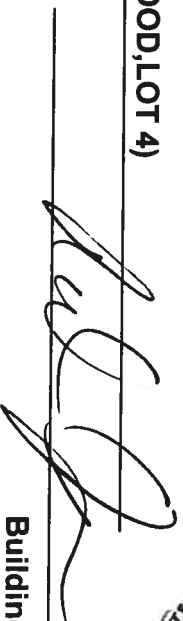
Owner of Building IMAGE DEV. GROUP, LLC.

Total: 44.64

Location: 209 SW GREENWOOD TERR (THORNWOOD, LOT 4)

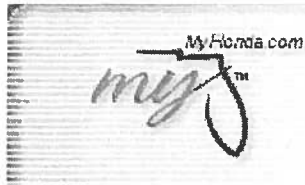


Date: 02/27/2007



Building Inspector

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Licensee Details

Licensee Information

Name: **NORRIS, JOHN DAVID** (Primary Name)
INDIVIDUAL (Alternate Name)
Main Address: **351 NW CORWIN GLN**
LAKE CITY, Florida 32055
Lic. Location: **WOODGLEN DRIVE**
LAKE CITY, FL 32055
Columbia

License Information

License Type: **Registered General Contractor**
Rank: **Reg General**
License Number: **RG0066597**
Status: **Current, Active**
Licensure Date: **06/20/1996**
Expires: **08/31/2005**

Special Qualifications

Effective Date

Bldg Code Core Course Credit

No Qualified Business License
Required

02/20/2004

[View Related License Information](#)

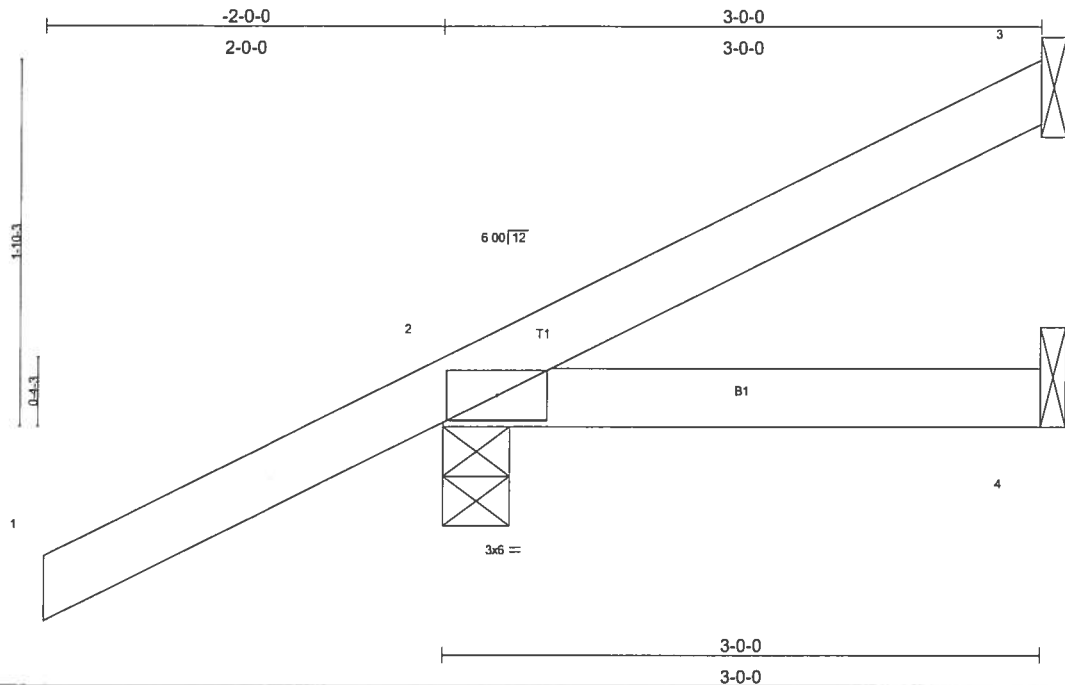
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Job L163335	Truss CJ3	Truss Type MONO TRUSS	Qty 10	Ply 1	JOHN NORRIS-MADISON
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

6/20/06 s Jul 13 2005 Mitek Industries, Inc. Thu May 04 08:44:01 2006 Page 1



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.30	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: 13 lb	

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

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

REACTIONS (lb/size) 3=29/Mechanical, 2=279/0-4-0, 4=42/Mechanical
Max Horz 2=132(load case 5)
Max Uplift 3=-27(load case 6), 2=-240(load case 5), 4=-26(load case 3)

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

NOTES

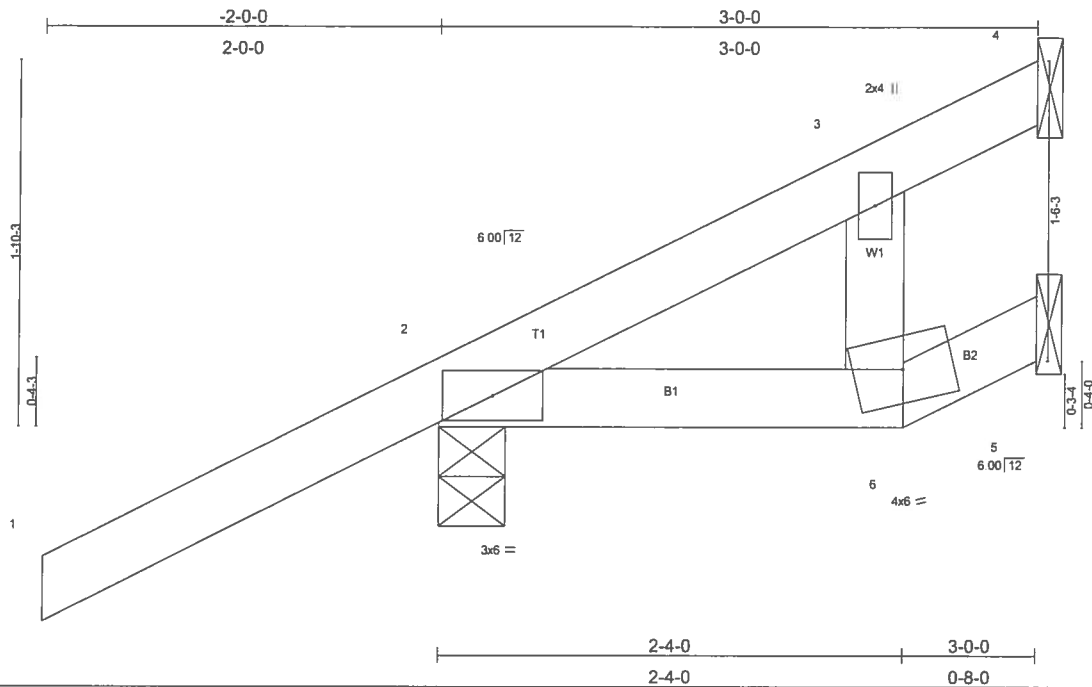
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 27 lb uplift at joint 3, 240 lb uplift at joint 2 and 26 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS-MADISON
L163335	CJ3T	SPECIAL	2	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 Mitek Industries, Inc. Thu May 04 08:44:01 2006 Page 1



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/def L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.30	Vert(LL) -0.01 6 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.03	Vert(TL) -0.01 6 >999 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.01	Horz(TL) -0.00 5 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			Weight: 15 lb

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

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

REACTIONS (lb/size) 4=62/Mechanical, 2=279/0-4-0, 5=9/Mechanical
 Max Horz 2=132(load case 5)
 Max Uplift 4=21(load case 6), 2=205(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-59/3, 3-4=-16/26
 BOT CHORD 2-6=-5/0, 5-6=-3/3
 WEBS 3-6=0/42

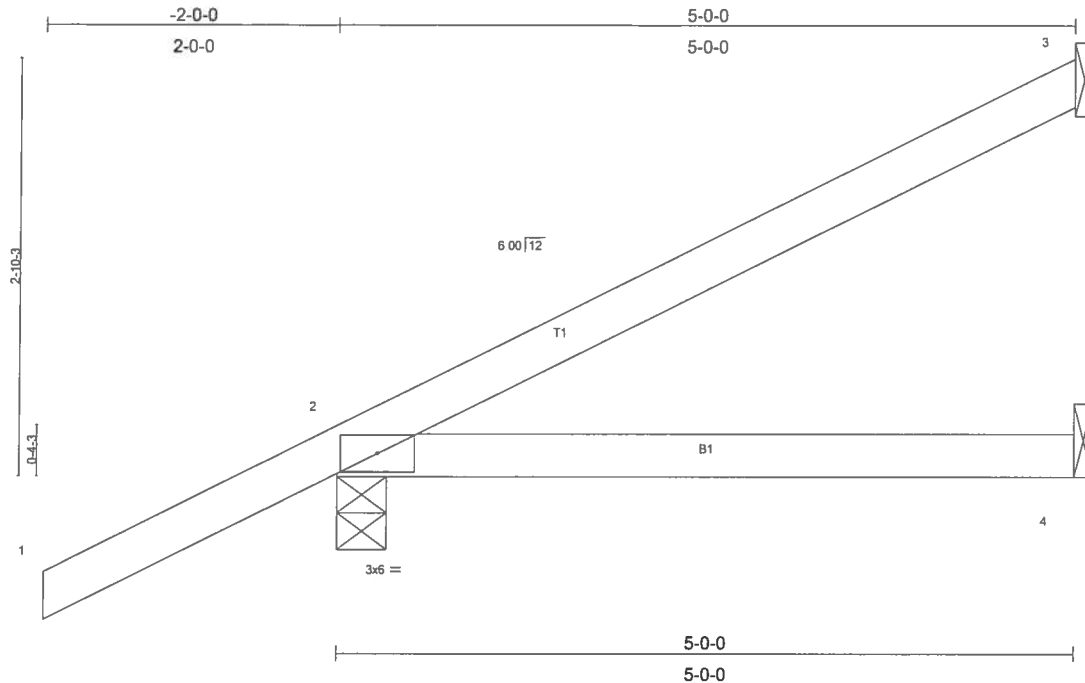
NOTES

- 1) Wind: ASCE 7-02: 110mph (3-second gust); h=14ft; TCDL=4.2psf, BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 21 lb uplift at joint 4 and 205 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L163335	Truss CJ5	Truss Type MONO TRUSS	Qty 10	Ply 1	JOHN NORRIS-MADISON
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		

6.200 s Jul 13 2005 MITek Industries, Inc. Thu May 04 08:44:02 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.30	Vert(LL)	0.09	2-4	>671	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.24	Vert(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.

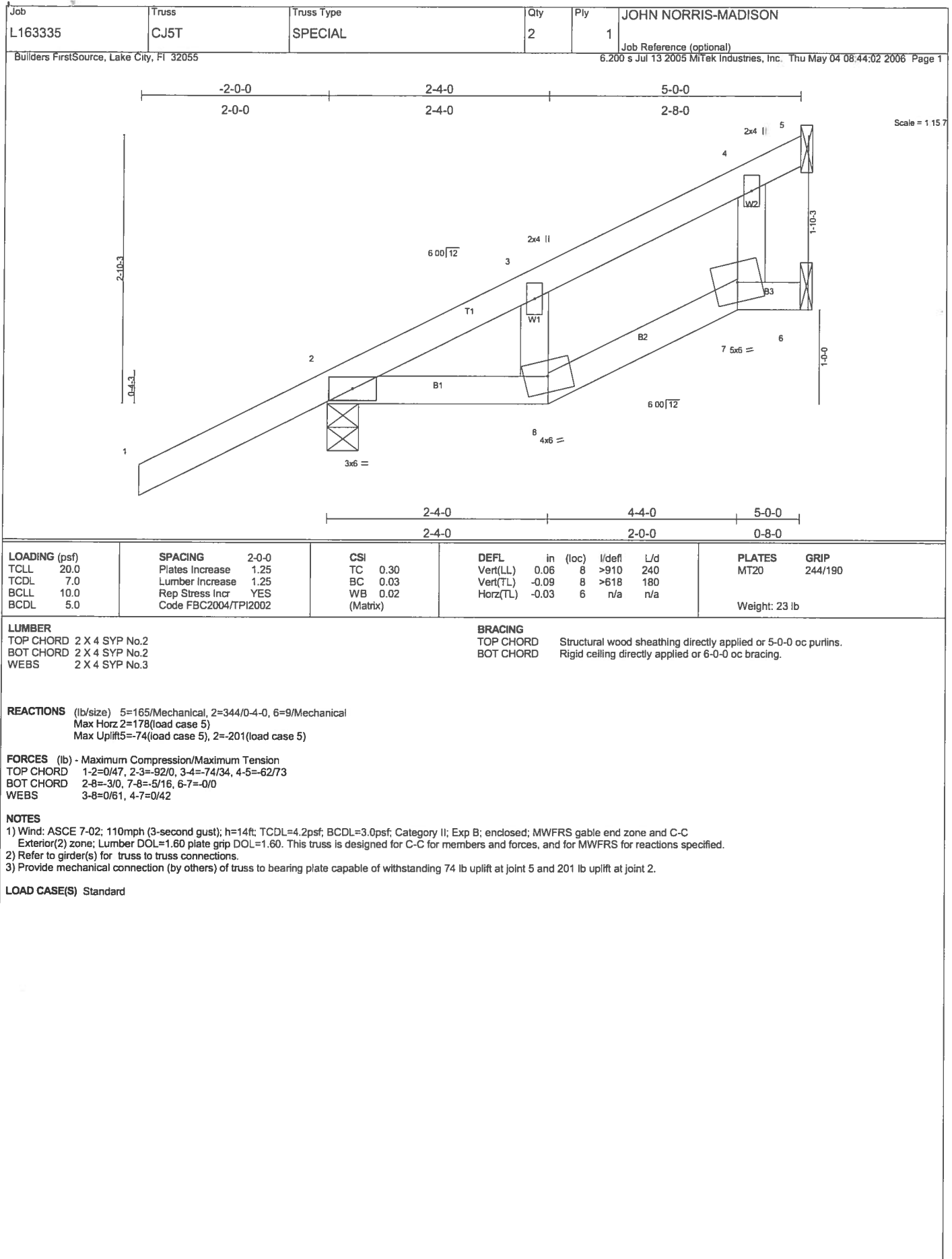
REACTIONS (lb/size) 3=102/Mechanical, 2=344/0-4-0, 4=72/Mechanical
Max Horz 2=178(load case 5)
Max Uplift 3=-86(load case 5), 2=-261(load case 5), 4=46(load case 3)

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

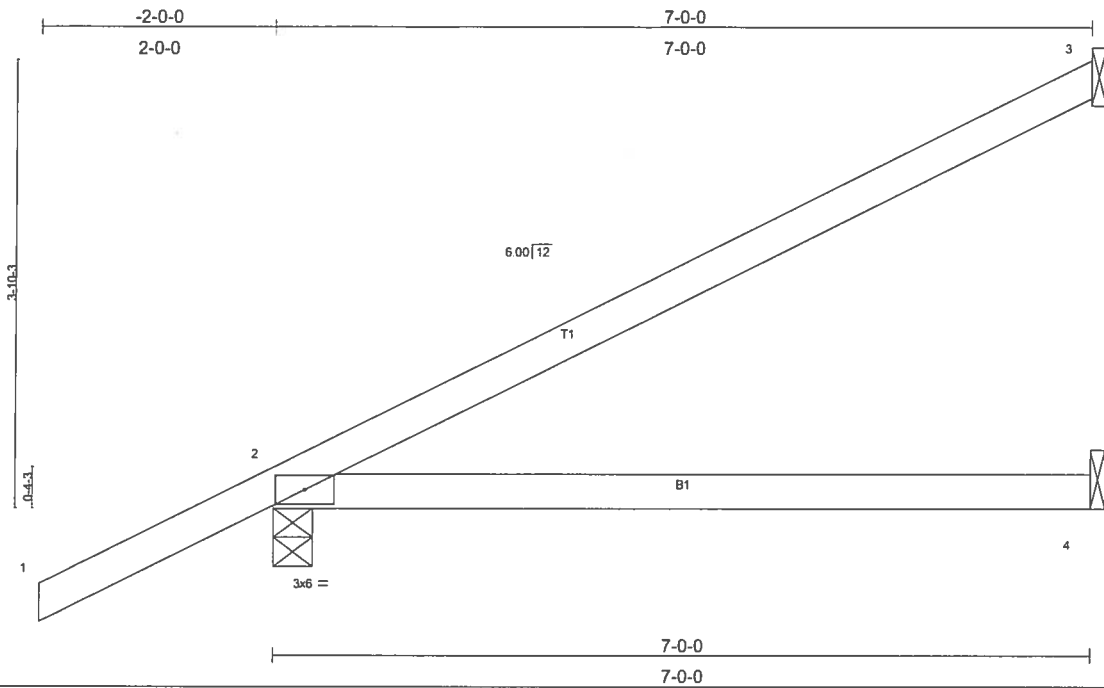
NOTES

- 1) Wind: ASCE 7-02: 110mph (3-second gust); h=14ft; 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) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 86 lb uplift at joint 3, 261 lb uplift at joint 2 and 46 lb uplift at joint 4.

LOAD CASE(S) Standard



Job L163335	Truss EJ7	Truss Type MONO TRUSS	Qty 24	Ply 1	JOHN NORRIS-MADISON
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)
6.200 s Jul 13 2005 MiTek Industries, Inc. Thu May 04 08:44:03 2006 Page 1					



LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	L/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.50	Vert(LL)	0.32	2-4	>253	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.45	Vert(TL)	0.27	2-4	>298	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
Weight: 26 lb										

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

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

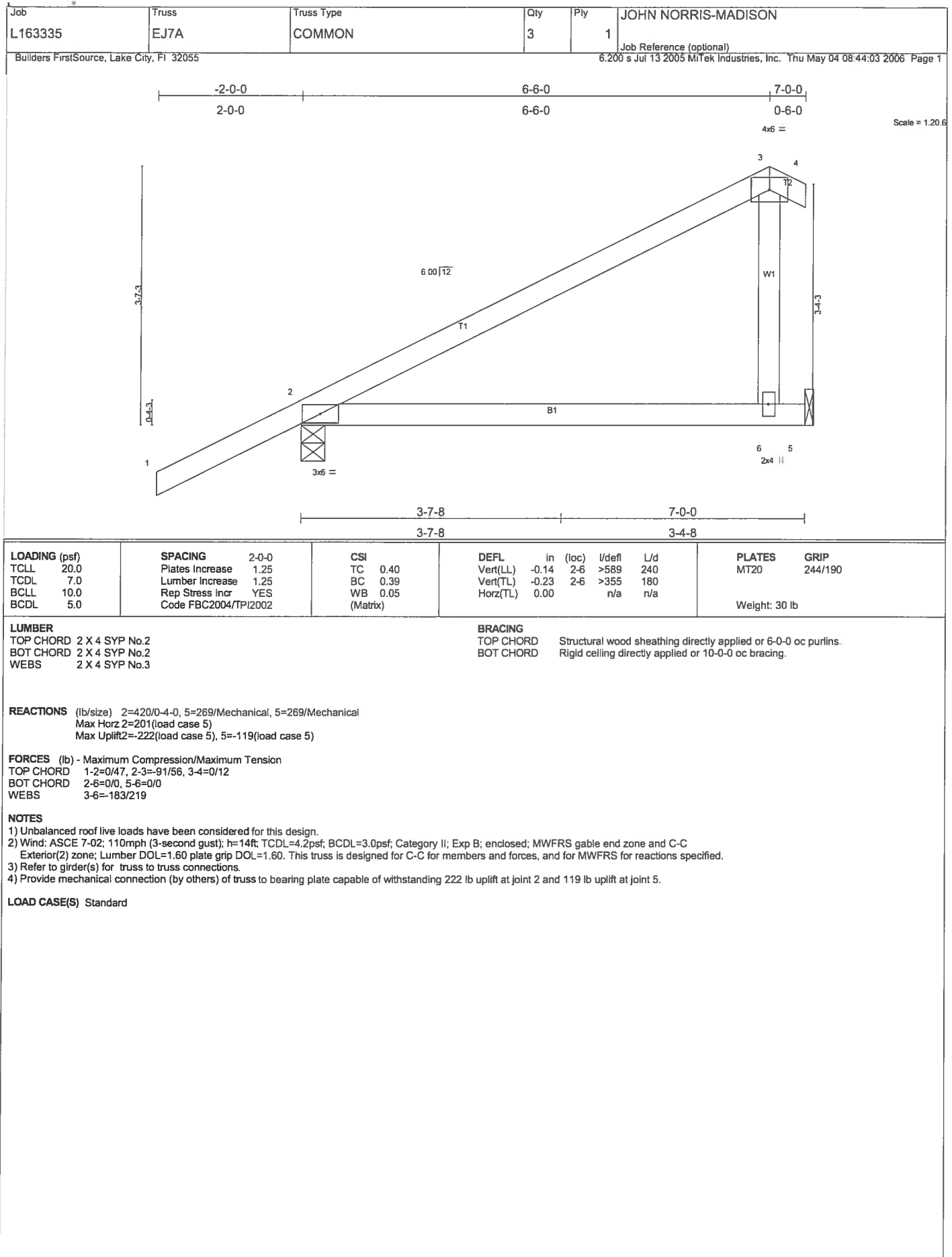
REACTIONS (lb/size) 3=162/Mechanical, 2=420/0-4-0, 4=104/Mechanical
Max Horz 2=224(load case 5)
Max Uplift 3=-144(load case 5), 2=-296(load case 5), 4=-67(load case 6)

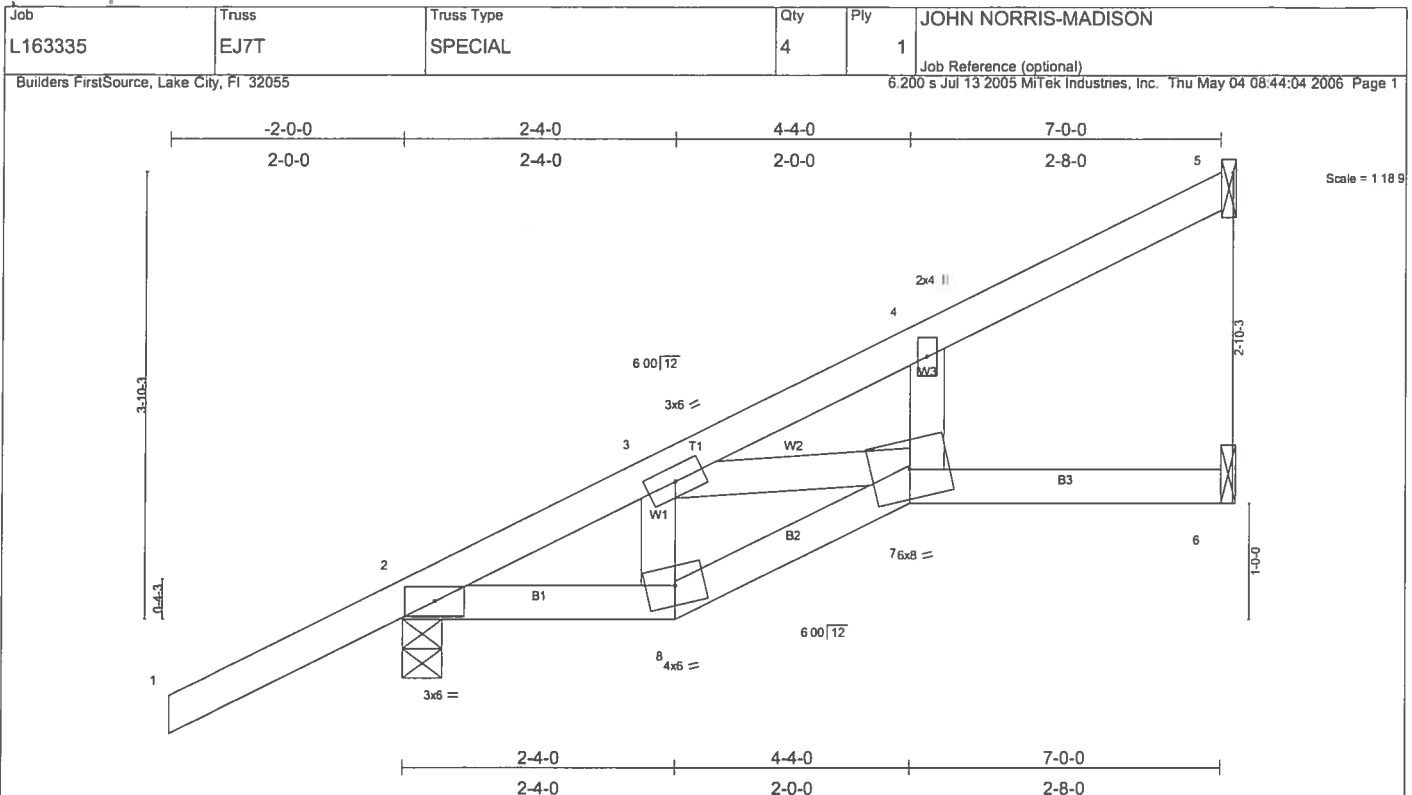
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-131/58
BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCCL=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) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 3, 296 lb uplift at joint 2 and 67 lb uplift at joint 4.

LOAD CASE(S) Standard





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	7	>726	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.47	Vert(TL)	-0.14	7	>587	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.06	Horz(TL)	0.03	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)						Weight: 32 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 6-0-0 oc bracing.

REACTIONS (lb/size) 5=144/Mechanical, 2=420/0-4-0, 6=121/Mechanical
 Max Horz 2=224(load case 5)
 Max Uplift 5=-91(load case 5), 2=-211(load case 5), 6=-35(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-443/65, 3-4=-110/0, 4-5=-71/59
 BOT CHORD 2-8=-230/362, 7-8=-208/361, 6-7=-0/0
 WEBS 3-8=-1/65, 3-7=-355/228, 4-7=0/61

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 91 lb uplift at joint 5, 211 lb uplift at joint 2 and 35 lb uplift at joint 6.

LOAD CASE(S) Standard

Job L163335	Truss HJ9	Truss Type MONO TRUSS	Qty 5	Ply 1	JOHN NORRIS-MADISON
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

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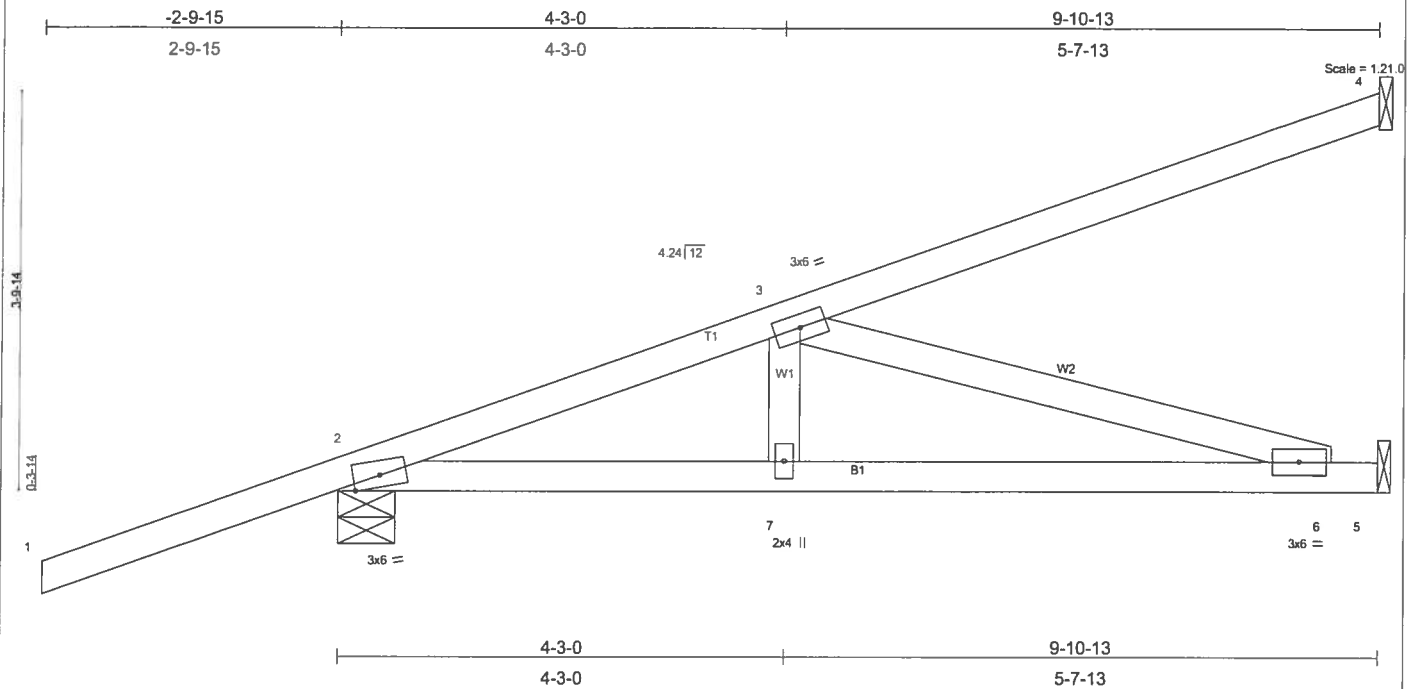


Plate Offsets (X,Y): [3:0-0-0-0-0-0], [6:0-0-0-0-0-0]

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

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-11-13 oc bracing.

REACTIONS (lb/size) 4=270/Mechanical, 2=537/0-6-7, 5=372/Mechanical
 Max Horz 2=270(load case 2)
 Max Uplift 4=-233(load case 2), 2=-404(load case 2), 5=-180(load case 2)

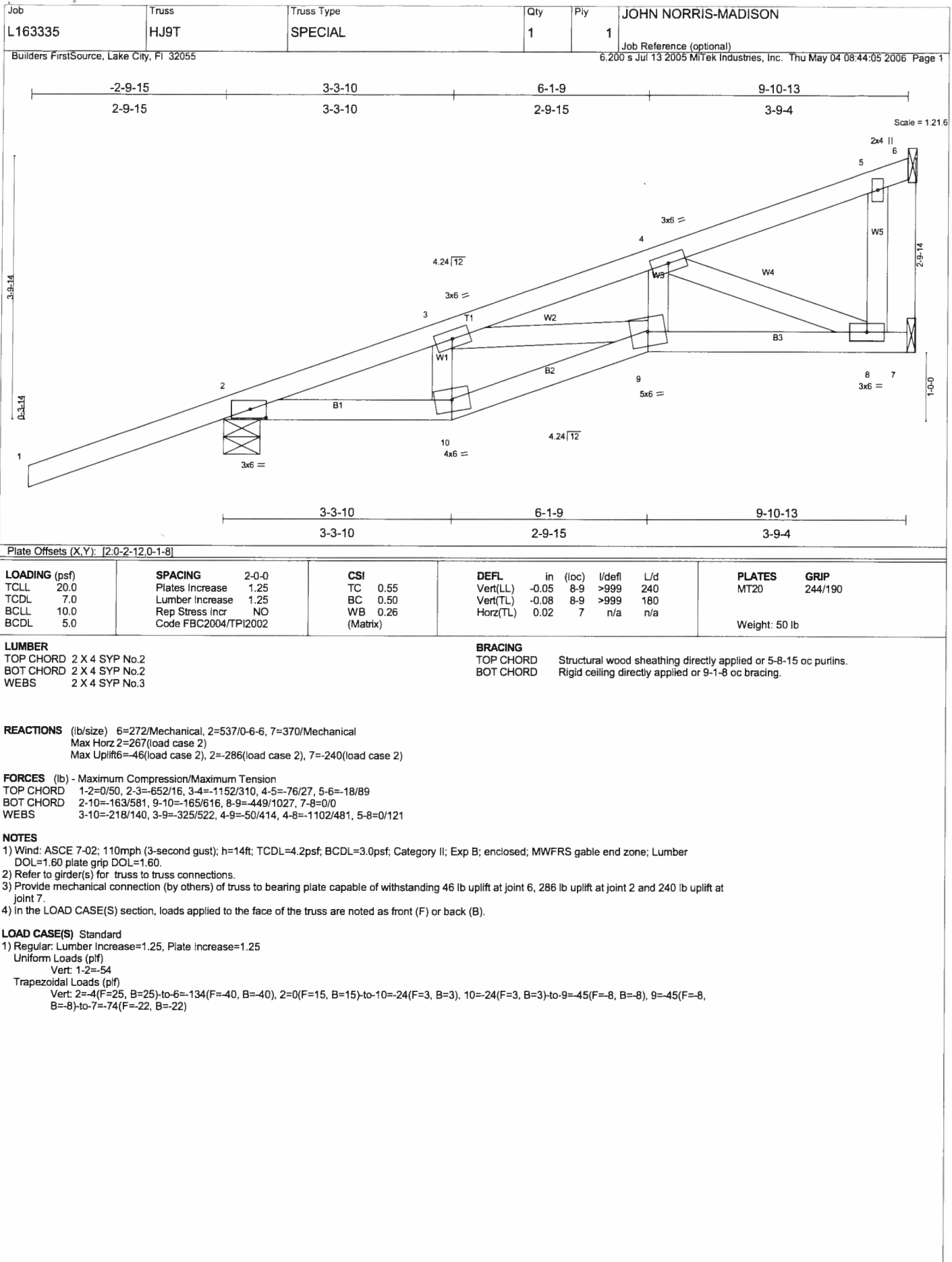
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/50, 2-3=-877/359, 3-4=-105/66
 BOT CHORD 2-7=-530/811, 6-7=-530/811, 5-6=0/0
 WEBS 3-7=-94/187, 3-6=-844/553

NOTES

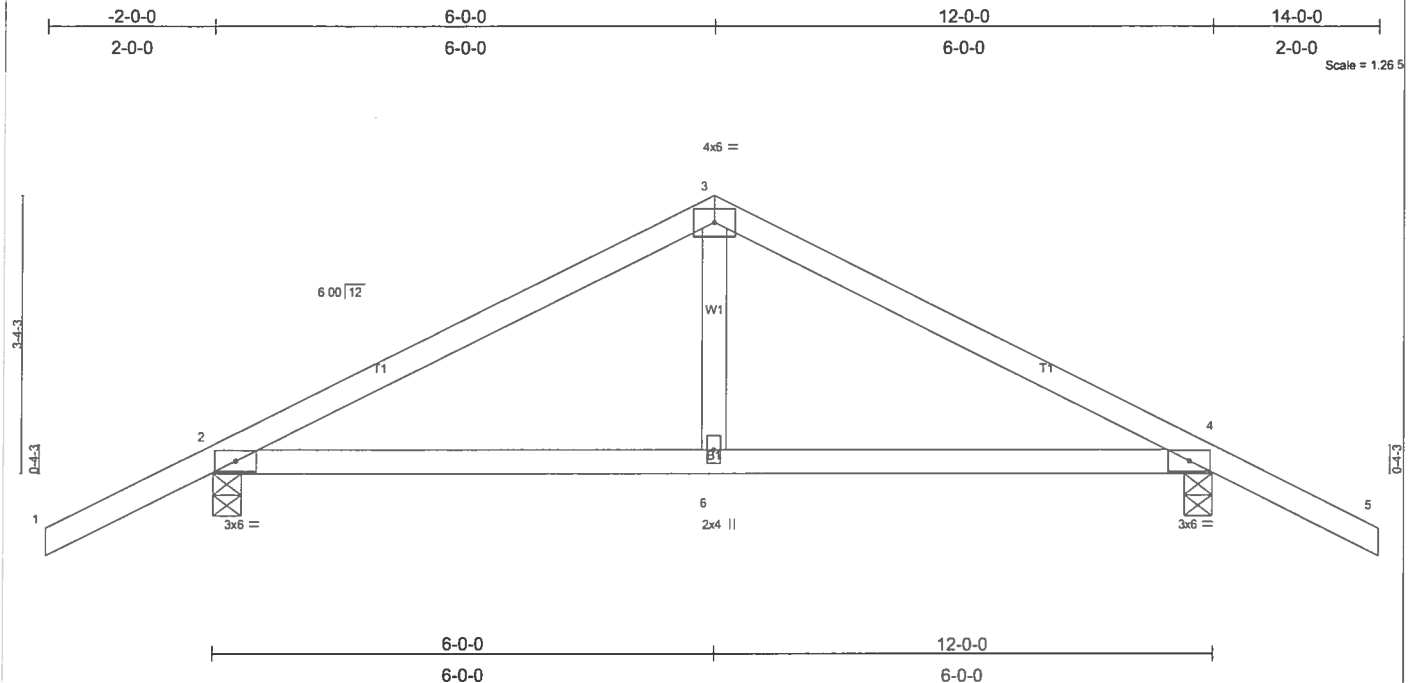
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 233 lb uplift at joint 4, 404 lb uplift at joint 2 and 180 lb uplift at joint 5.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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



Job L163335	Truss T01	Truss Type COMMON	Qty 3	Ply 1	JOHN NORRIS-MADISON
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu May 04 08:44:05 2006 Page 1



LOADING (psf)	SPACING 2-0-0	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.30	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.23	Vert(LL) -0.04 2-6 >999 240		
BCLL 10.0	Rep Stress Incr YES	WB 0.06	Vert(TL) -0.06 2-6 >999 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.01 4 n/a n/a		
				Weight: 49 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) 2=607/0-4-0, 4=607/0-4-0
 Max Horz 2=80(load case 5)
 Max Uplift 2=-290(load case 5), 4=-290(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-653/255, 3-4=-653/255, 4-5=0/47
 BOT CHORD 2-6=-71/520, 4-6=-71/520
 WEBS 3-6=0/201

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 290 lb uplift at joint 2 and 290 lb uplift at joint 4.

LOAD CASE(S) Standard

Job L163335	Truss T01A	Truss Type COMMON	Qty 1	Ply 2	JOHN NORRIS-MADISON
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Builders FirstSource, Lake City, FL 32055

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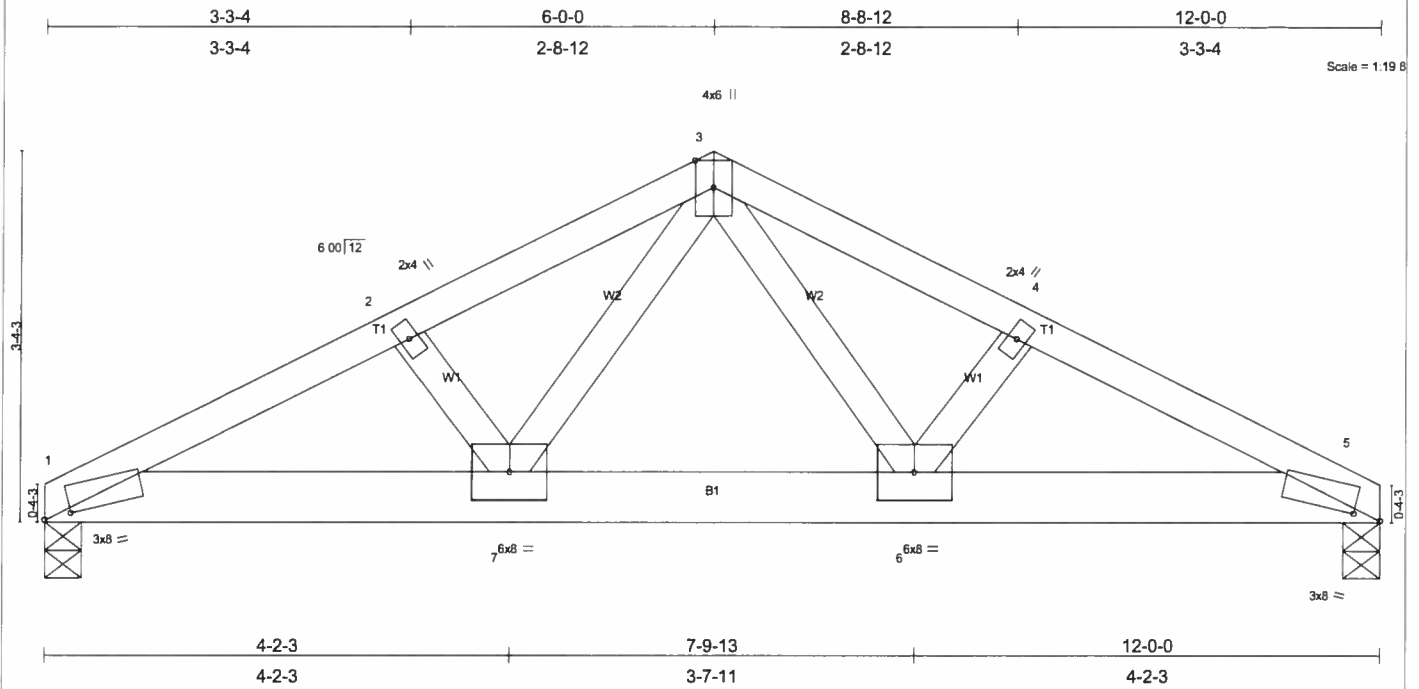


Plate Offsets (X,Y): [1:0-2-15,0-0-2], [5:0-2-15,0-0-2]

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 0.47	Vert(LL) -0.07 6-7 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.44	Vert(TL) -0.11 6-7 >999 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.02 5 n/a n/a		
	Code FBC2004/TPI2002			Weight: 125 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 5-6-9 oc purins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS

(lb/size) 1=3634/0-4-0, 5=3634/0-4-0
 Max Horz 1=-43(load case 2)
 Max Uplift 1=-1346(load case 4), 5=-1346(load case 5)

FORCES

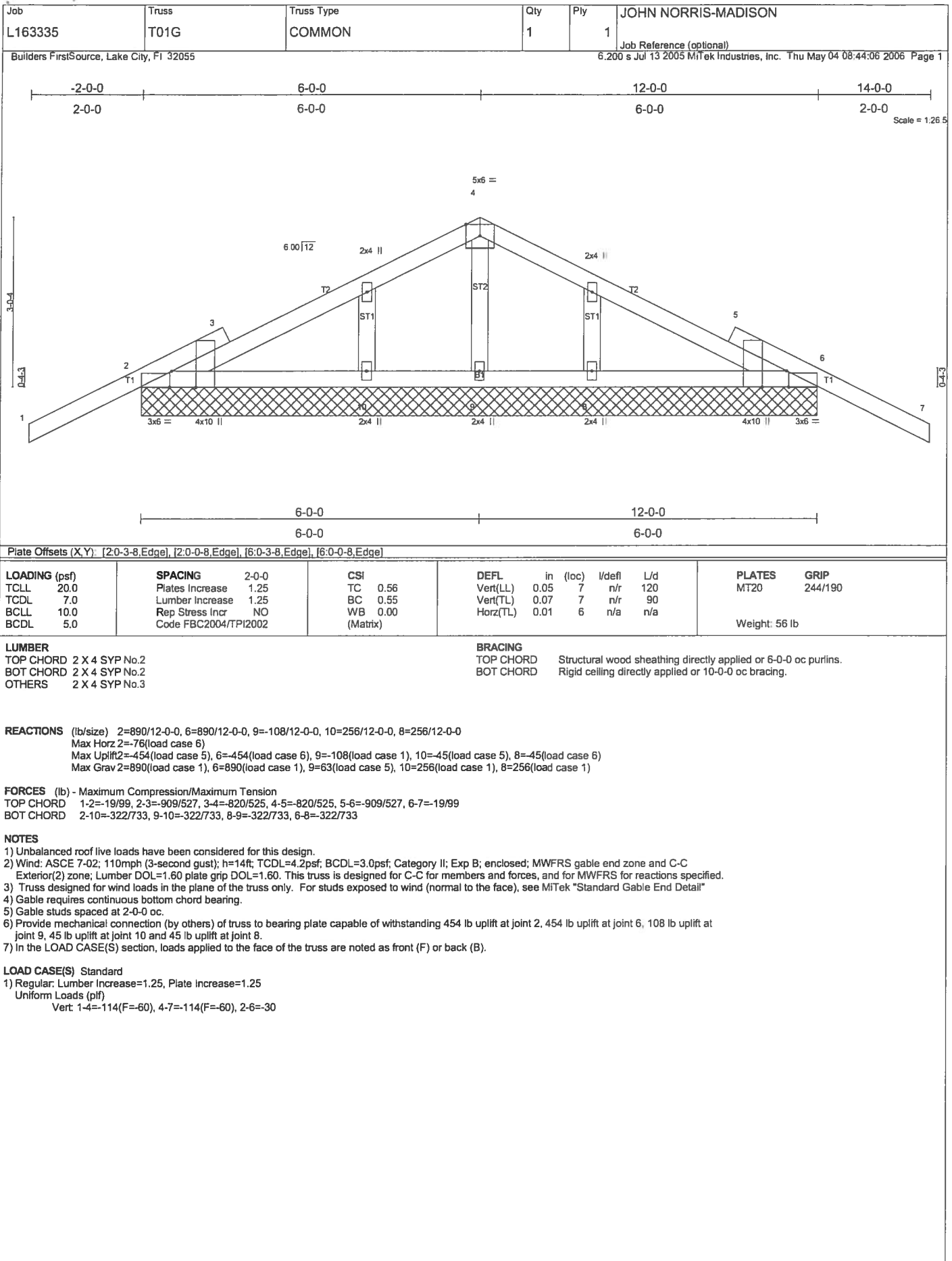
(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-5585/2065, 2-3=-5505/2066, 3-4=-5505/2067, 4-5=-5585/2066
 BOT CHORD 1-7=-1843/4952, 6-7=-1244/3479, 5-6=-1802/4952
 WEBS 2-7=-74/103, 3-7=-1036/2752, 3-6=-1037/2752, 4-6=-74/103

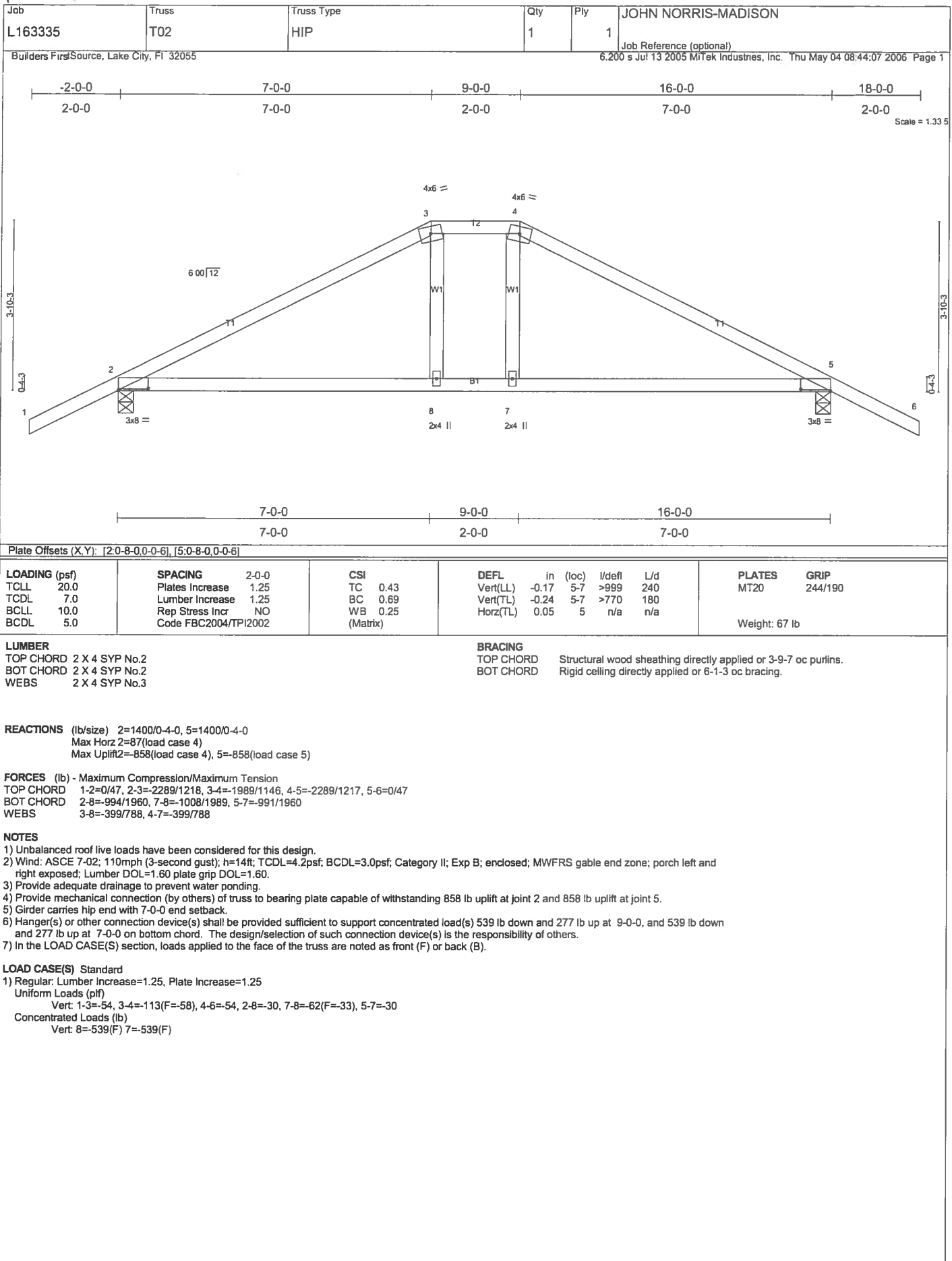
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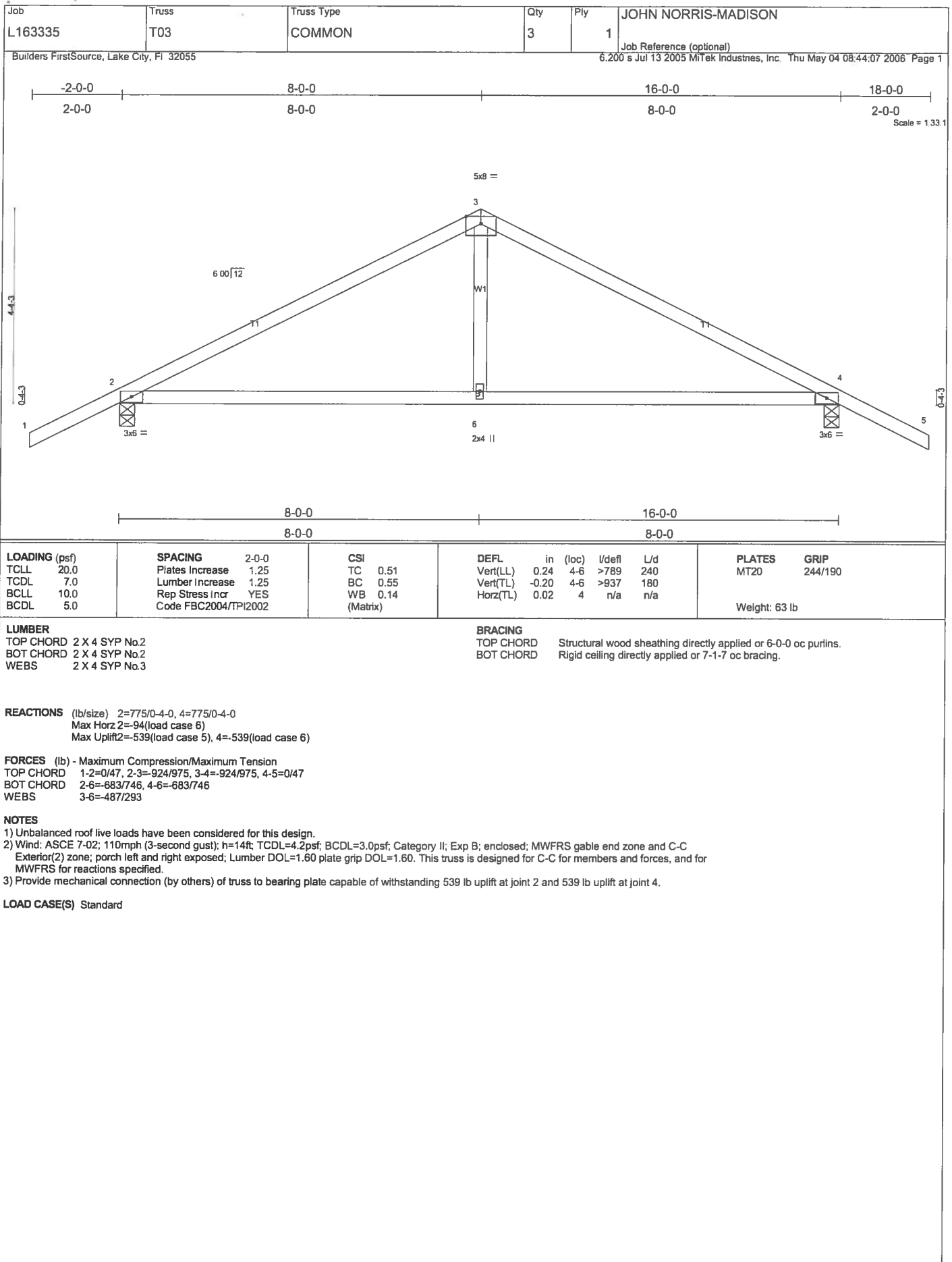
- 2-ply truss to be connected together with 0.131"x3" Nails as follows:
 Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2 X 6 - 2 rows at 0-7-0 oc.
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCCL=4.2psf; BCCL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1346 lb uplift at joint 1 and 1346 lb uplift at joint 5.
- Girder carries tie-in span(s): 28-0-0 from 0-0-0 to 12-0-0

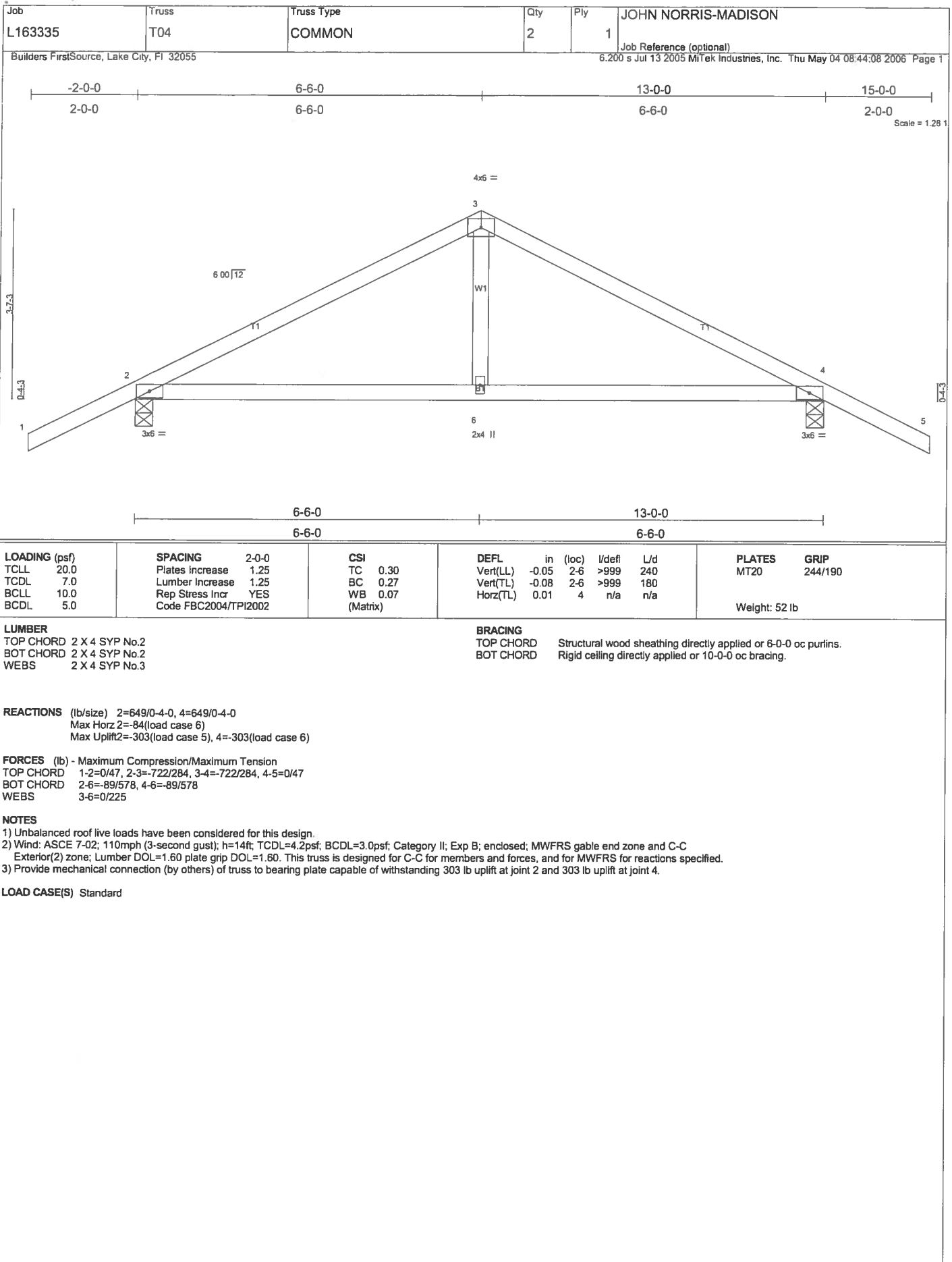
LOAD CASE(S)

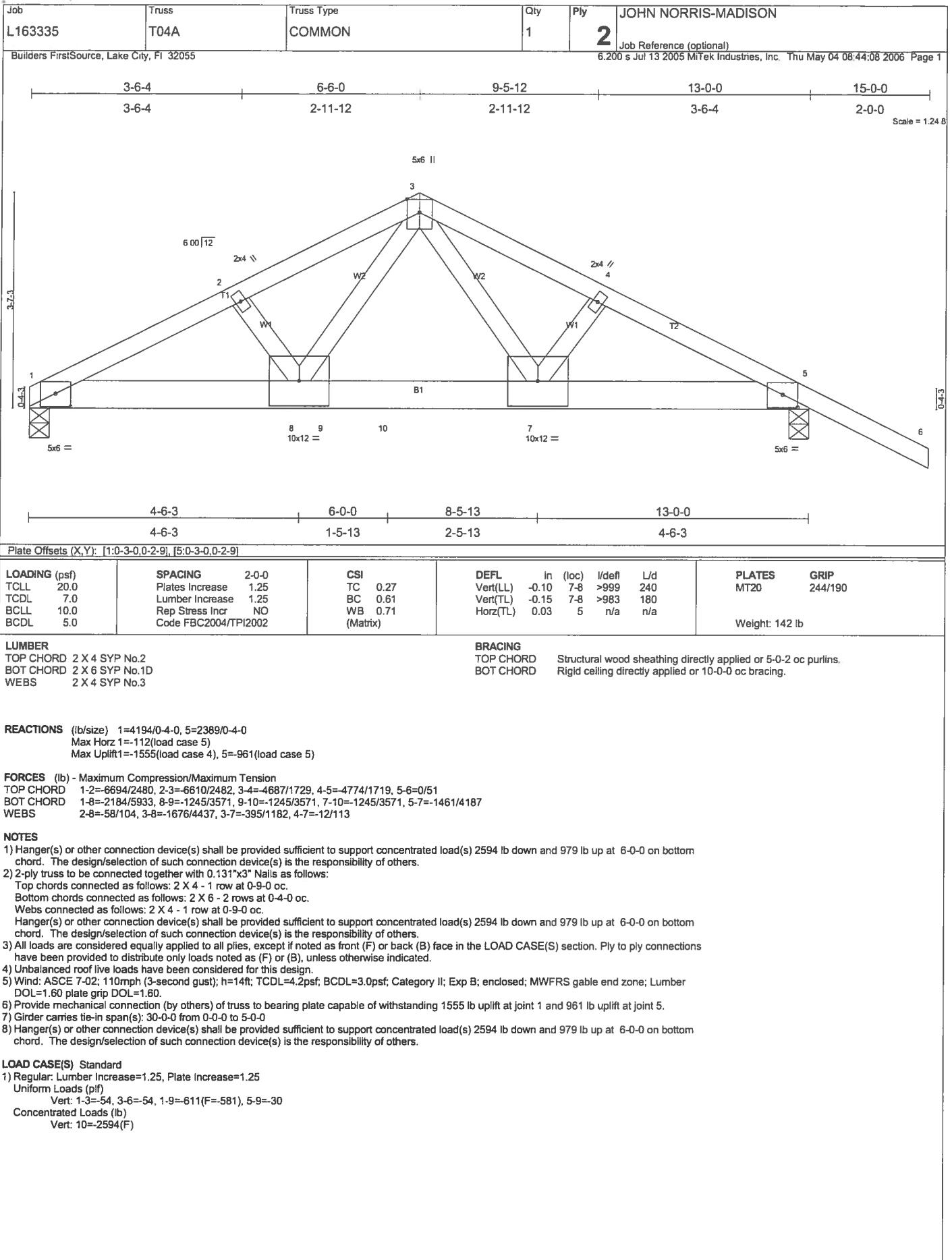
- Standard
 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-54, 3-5=-54, 1-5=-569(F=-539)

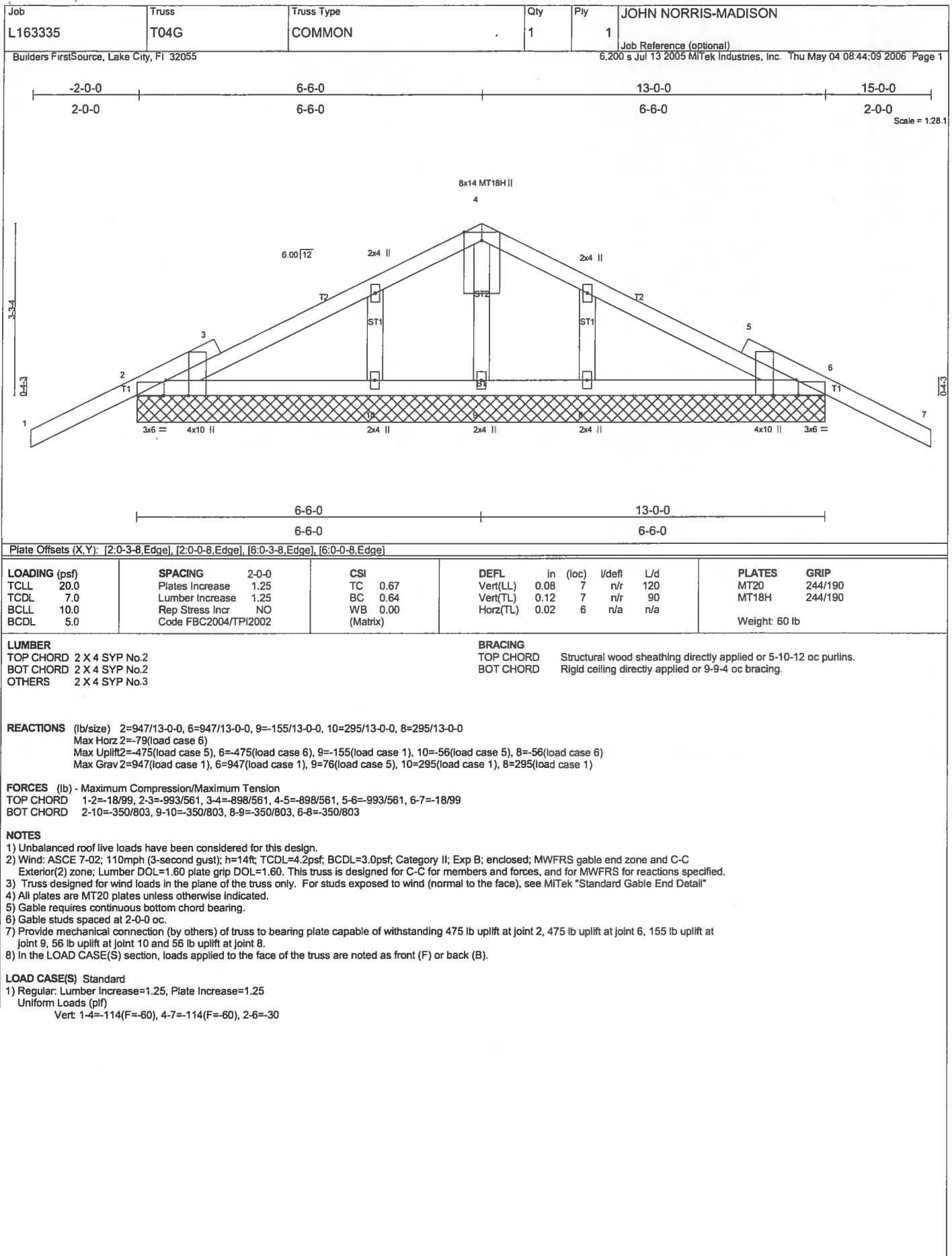


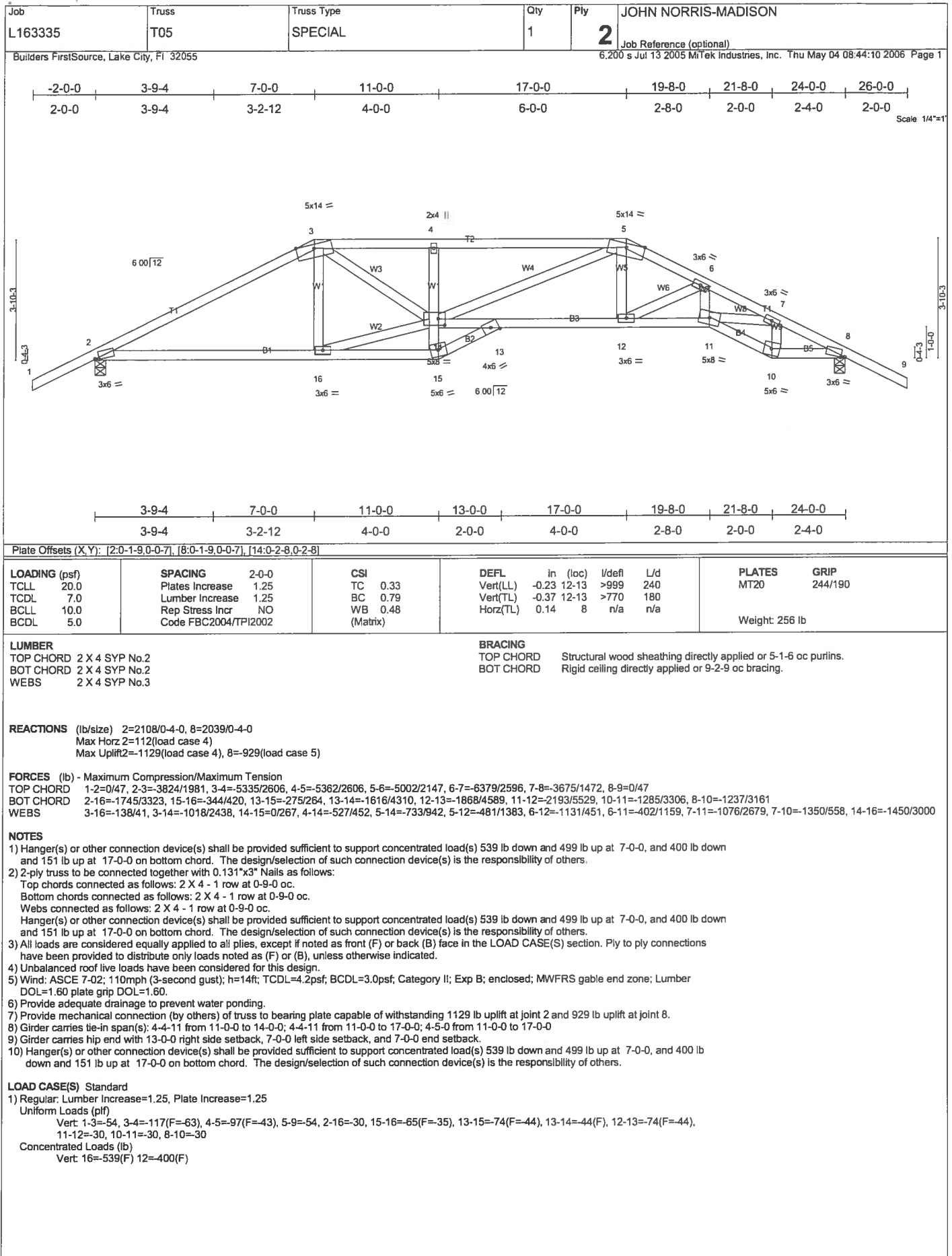


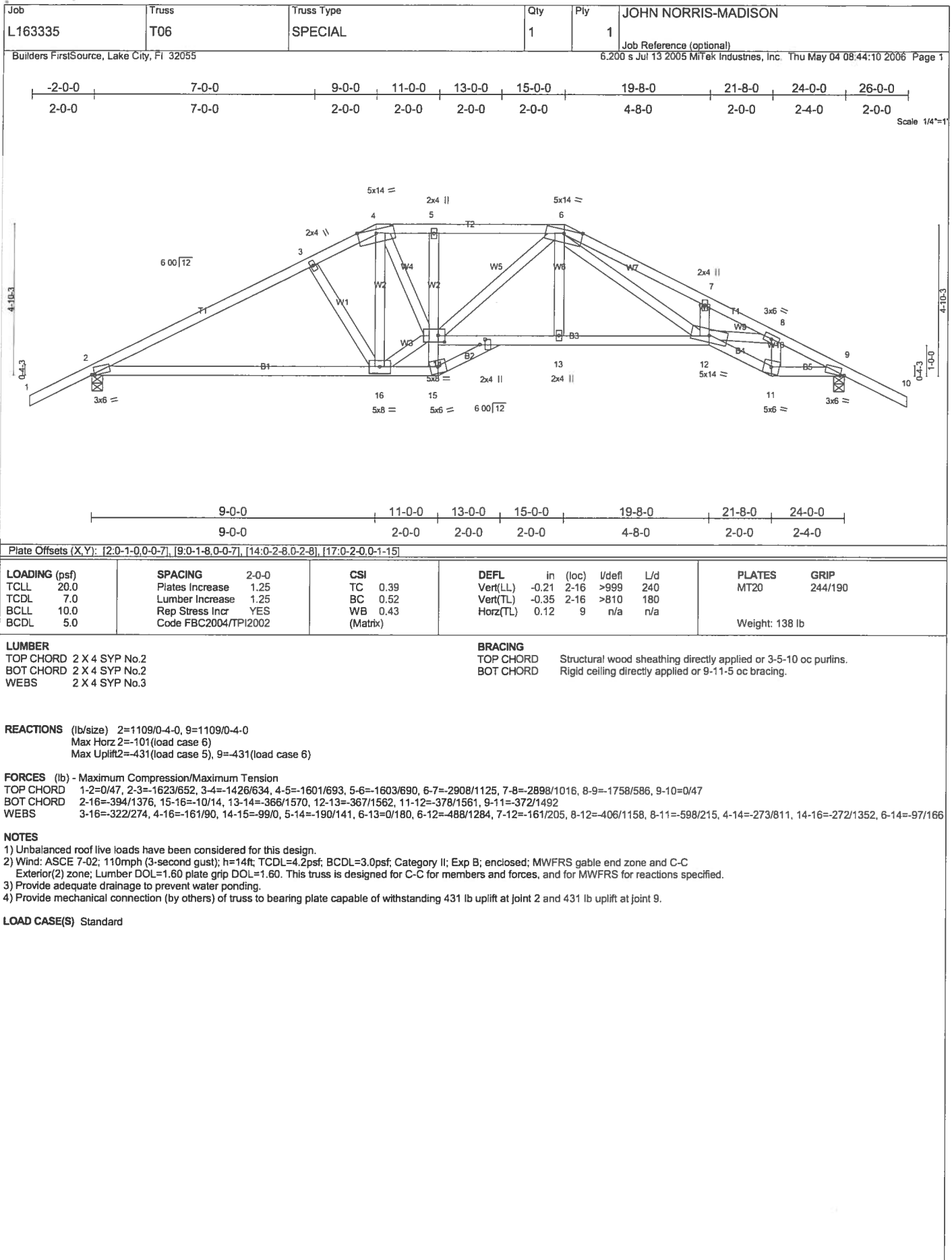


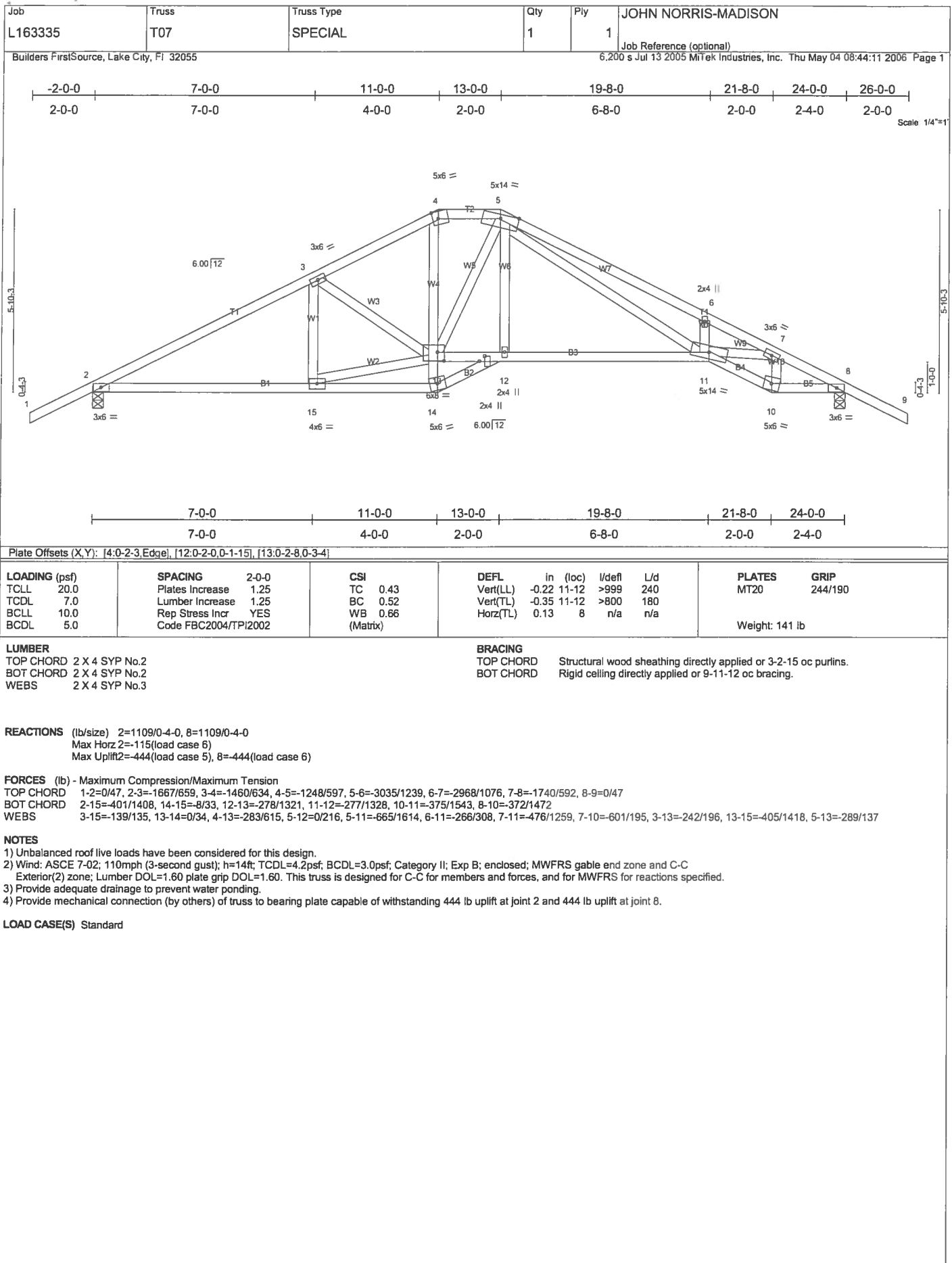












Job L163335	Truss T08	Truss Type SPECIAL	Qty 1	Ply 1	JOHN NORRIS-MADISON
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		

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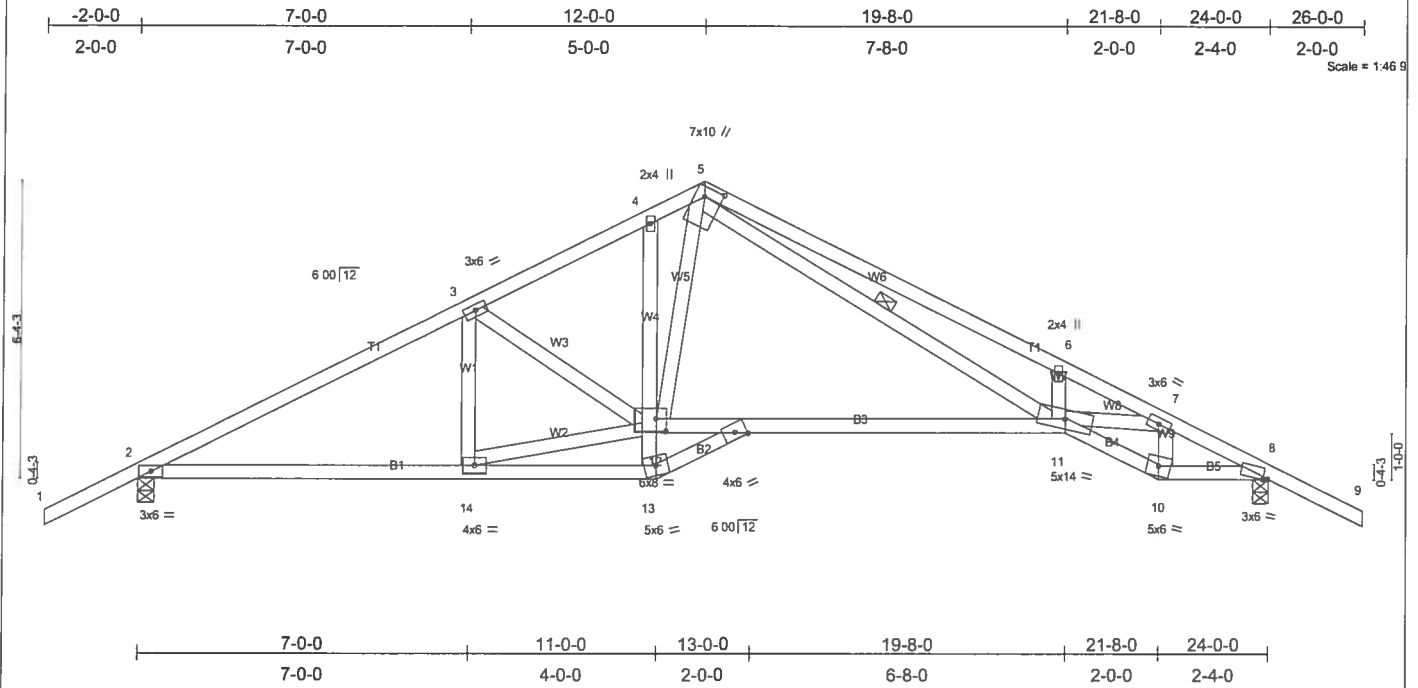


Plate Offsets (X,Y): [5-0-2-8,0-4-8], [8-0-1-5,0-0-7], [12-0-2-8,0-3-4]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.62	Vert(LL)	-0.38	11-12	>745	240	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.61	Vert(TL)	-0.63	11-12	>449	180	244/190
BCLL 10.0	Rep Stress Incr	YES	WB 0.63	Horz(TL)	0.14	8	n/a	n/a	
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 137 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 2-10-9 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 9-10-14 oc bracing.
 WEBS 1 Row at midpt 5-11

REACTIONS (lb/size) 2=1109/0-4-0, 8=1109/0-4-0
 Max Horz 2=122(load case 5)
 Max Uplift 2=-450(load case 5), 8=-450(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1668/667, 3-4=-1459/643, 4-5=-1278/587, 5-6=-3207/1291, 6-7=-3129/1104, 7-8=-1701/597, 8-9=0/47
 BOT CHORD 2-14=-408/1411, 13-14=-8/32, 11-12=-246/1180, 10-11=-373/1534, 8-10=-373/1439
 WEBS 3-14=-140/137, 3-12=-259/194, 5-11=-736/1949, 6-11=-298/354, 7-11=-508/1452, 7-10=-694/180, 12-13=0/34, 4-12=-172/282, 5-12=-103/541, 12-14=-412/1421

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 5.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 450 lb uplift at joint 2 and 450 lb uplift at joint 8.

LOAD CASE(S) Standard

Job L163335	Truss T09	Truss Type COMMON	Qty 1	Ply 1	JOHN NORRIS-MADISON
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

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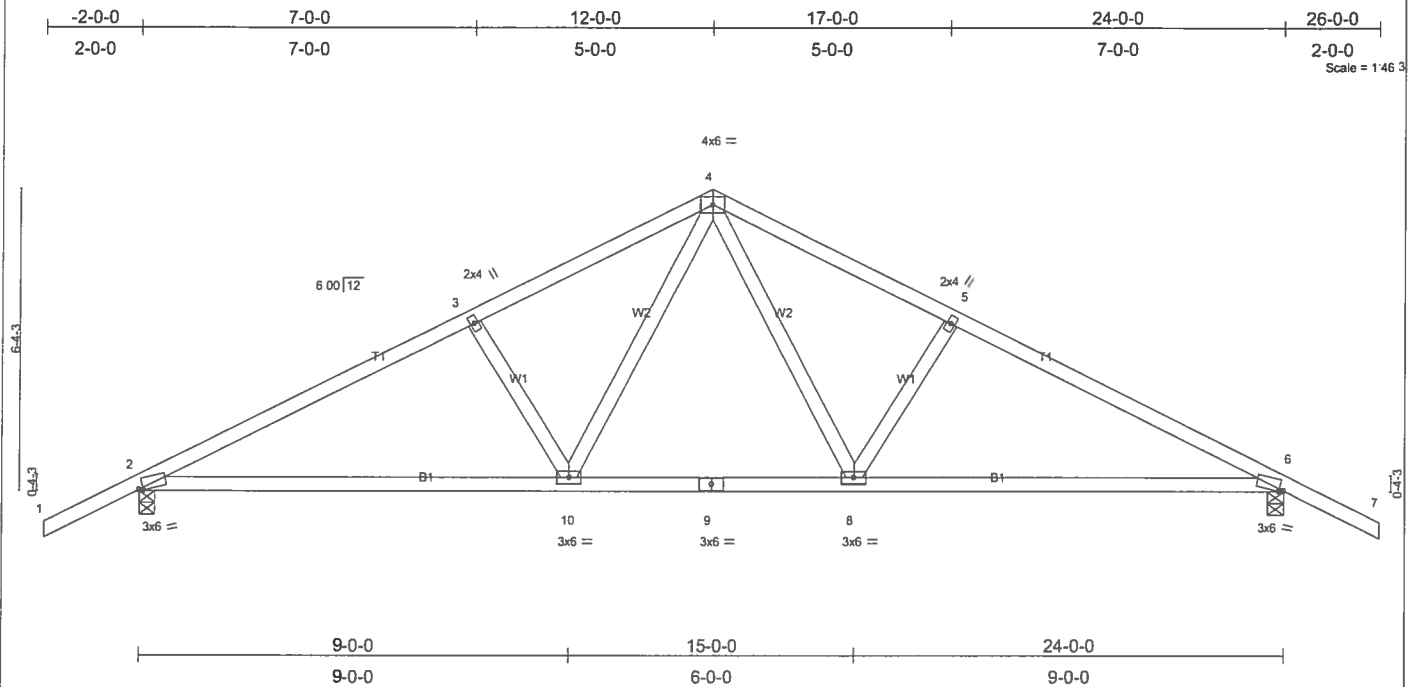


Plate Offsets (X,Y): [2-0-1-1,0-0-7], [6-0-1-1,0-0-7]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.40	Vert(LL)	-0.21	2-10	>999	240	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.47	Vert(TL)	-0.35	2-10	>818	180	244/190
BCLL 10.0	Rep Stress Incr	YES	WB 0.18	Horz(TL)	0.05	6	n/a	n/a	
BCDL 5.0	Code FBC2004/TP12002		(Matrix)						Weight: 113 lb

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

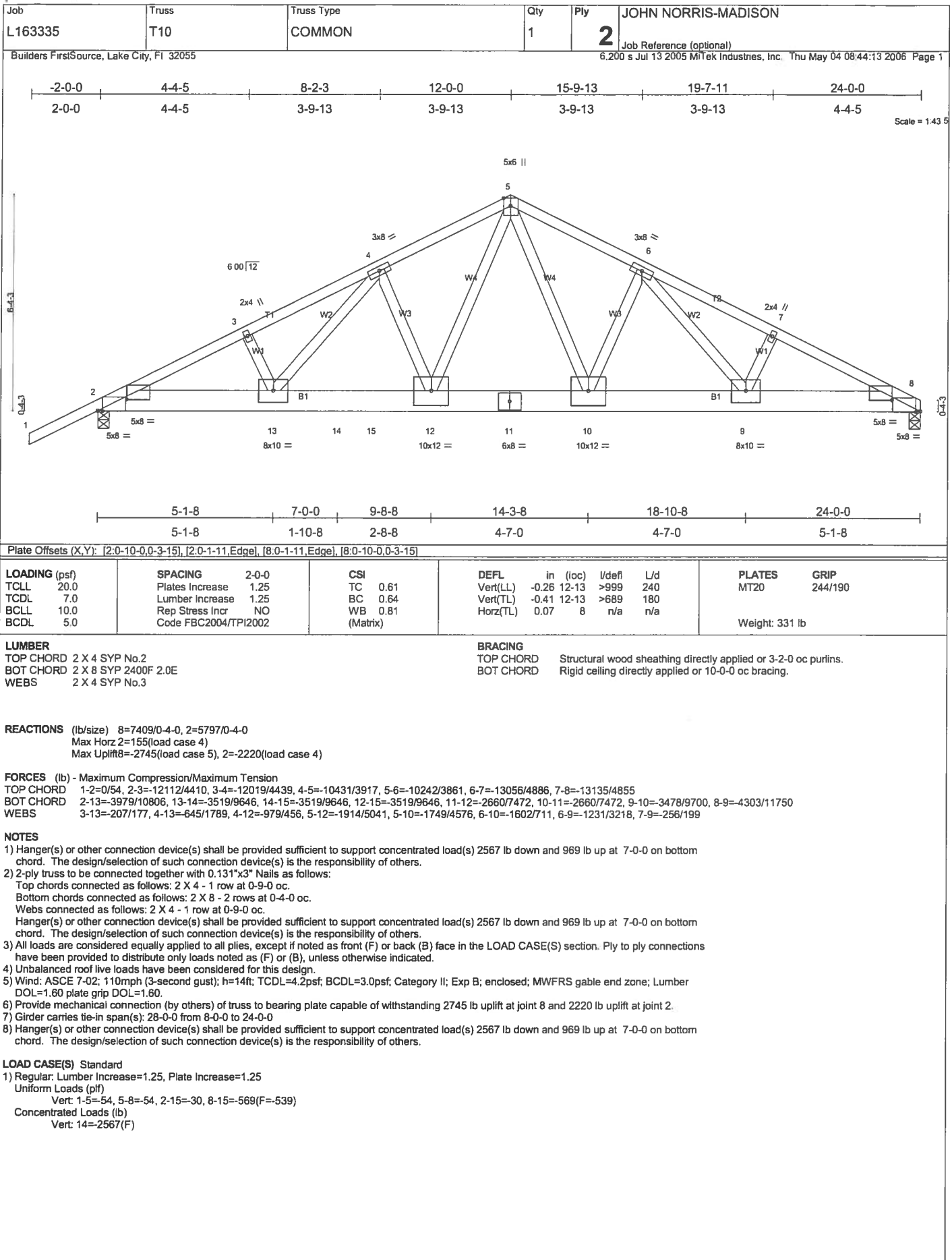
BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-6-3 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 9-9-2 oc bracing.

REACTIONS (lb/size) 2=1111/0-4-0, 6=1111/0-4-0
 Max Horz 2=122(load case 5)
 Max Uplift 2=-449(load case 5), 6=-449(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1620/678, 3-4=-1433/678, 4-5=-1433/678, 5-6=-1620/678, 6-7=0/47
 BOT CHORD 2-10=-418/1374, 9-10=-180/970, 8-9=-180/970, 6-8=-418/1374
 WEBS 3-10=-321/285, 4-10=-224/569, 4-8=-224/569, 5-8=-321/285

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02: 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 449 lb uplift at joint 2 and 449 lb uplift at joint 6.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	JOHN NORRIS-MADISON
L163335	T11	MONO HIP	1	1	Job Reference (optional)

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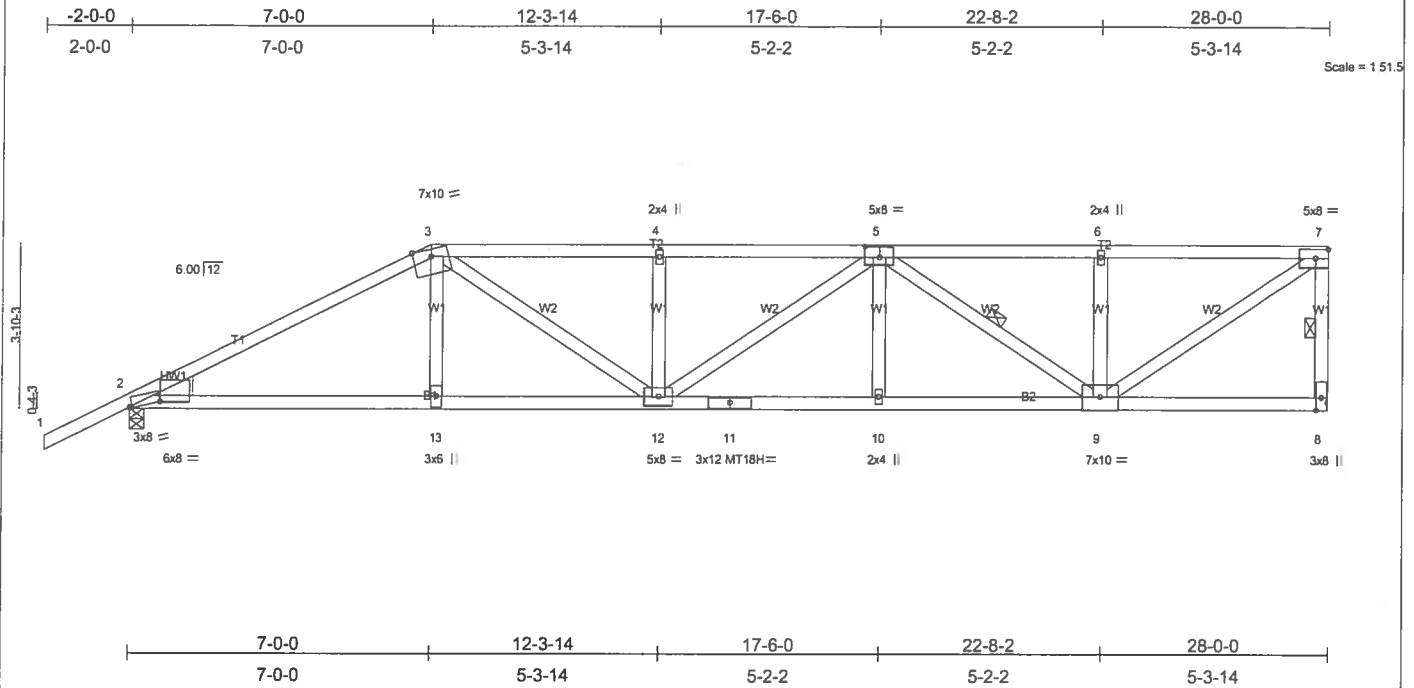


Plate Offsets (X,Y): [2:0-0-10,Edge], [2:0-8-8,0-1-8], [5:0-4-0,0-3-0]									
LOADING (psf)	SPACING 2-0-0		CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.89	Vert(LL)	-0.33 10-12	>992	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.81	Vert(TL)	-0.54 10-12	>617	180	MT18H	244/190
BCLL 10.0	Rep Stress Incr	NO	WB 0.96	Horz(TL)	0.14 8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 149 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.1D
WEBS 2 X 4 SYP No.3 "Except"
W2 2 X 4 SYP No.2, W2 2 X 4 SYP No.2, W2 2 X 4 SYP No.2
WEDGE
Left: 2 X 6 SYP No.1D

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

REACTIONS (lb/size) 8=2567/Mechanical, 2=2453/0-4-0
Max Horz 2=227(load case 4)
Max Uplift 8=-1155(load case 3), 2=-1050(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=4597/1951, 3-4=514/12308, 4-5=5140/2309, 5-6=3156/1419, 6-7=3156/1419, 7-8=2349/1171
 BOT CHORD 2-13=1776/4013, 12-13=1785/4047, 11-12=2170/4833, 10-11=2170/4833, 9-10=2170/4833, 8-9=47/101
 WEBS 3-13=226/830, 3-12=691/1314, 4-12=606/531, 5-12=185/373, 5-10=0/339, 5-9=2034/912, 6-9=619/517, 7-9=1664/3706

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Provide adequate drainage to prevent water ponding.
- 3) All plates are MT20 plates unless otherwise indicated.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1155 lb uplift at joint 8 and 1050 lb uplift at joint 2.
- 6) Girder carries hip end with 0-0-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-.54, 3-7=-.117(F=-63), 2-13=-.30, 8-13=-.65(F=-35)
Concentrated Loads (lb)
Vert: 13=-539(F)

MAY 04, 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	Truss	Truss Type	Qty	Ply	JOHN NORRIS-MADISON
L163335	T12	MONO HIP	1	1	Job Reference (optional)

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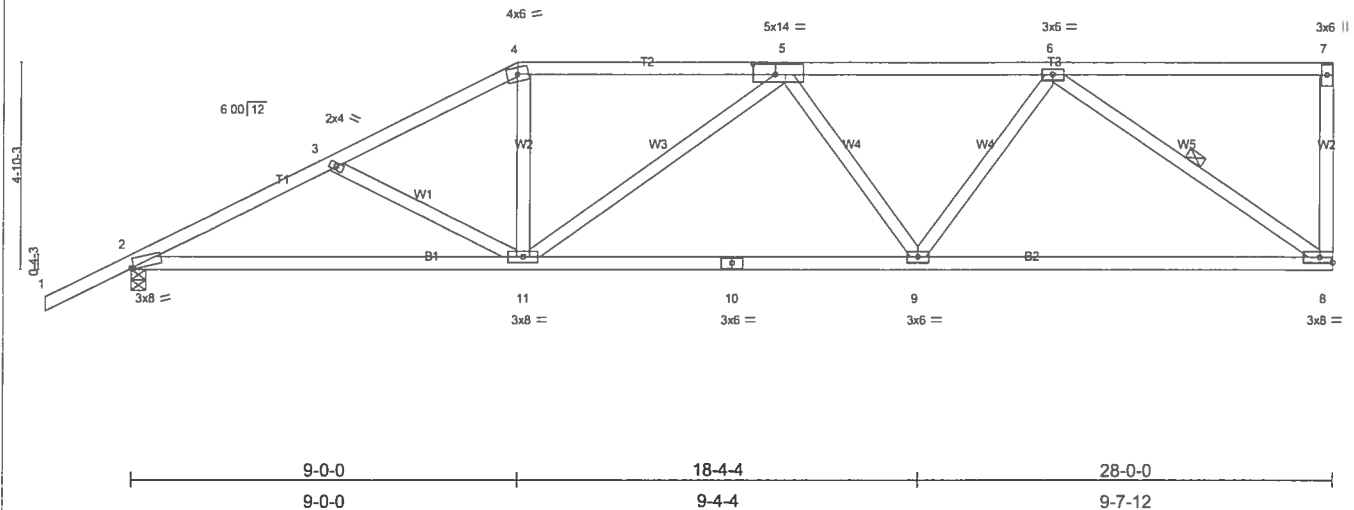
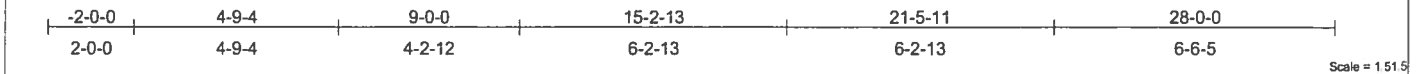


Plate Offsets (X,Y): [2:0-0-10,Edge], [5:0-6-4,0-3-0]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl l/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.66	Vert(LL) -0.17 8-9 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.60	Vert(TL) -0.30 8-9 >999 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.47	Horz(TL) 0.07 8 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)		Weight: 146 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 4-1-15 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-9-3 oc bracing.
WEBS	1 Row at midpt 6-8

REACTIONS (lb/size) 8=1158/Mechanical, 2=1284/0-4-0
Max Horz 2=272(load case 5)
Max Uplift 8=-423(load case 4), 2=-459(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2049/798, 3-4=-1823/701, 4-5=-1604/685, 5-6=-1613/633, 6-7=-71/12, 7-8=-167/113
BOT CHORD 2-11=856/1780, 10-11=-758/1764, 9-10=-758/1764, 8-9=-549/1266
WEBS 3-11=216/195, 4-11=-824/99, 5-11=-200/198, 5-9=-266/222, 6-9=-149/614, 6-8=-1468/659

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide adequate drainage to prevent water ponding.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 423 lb uplift at joint 8 and 459 lb uplift at joint 2.

LOAD CASE(S) Standard

**MAY 04, 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 L163335	Truss T13	Truss Type MONO HIP	Qty 1	Ply 1	JOHN NORRIS-MADISON
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

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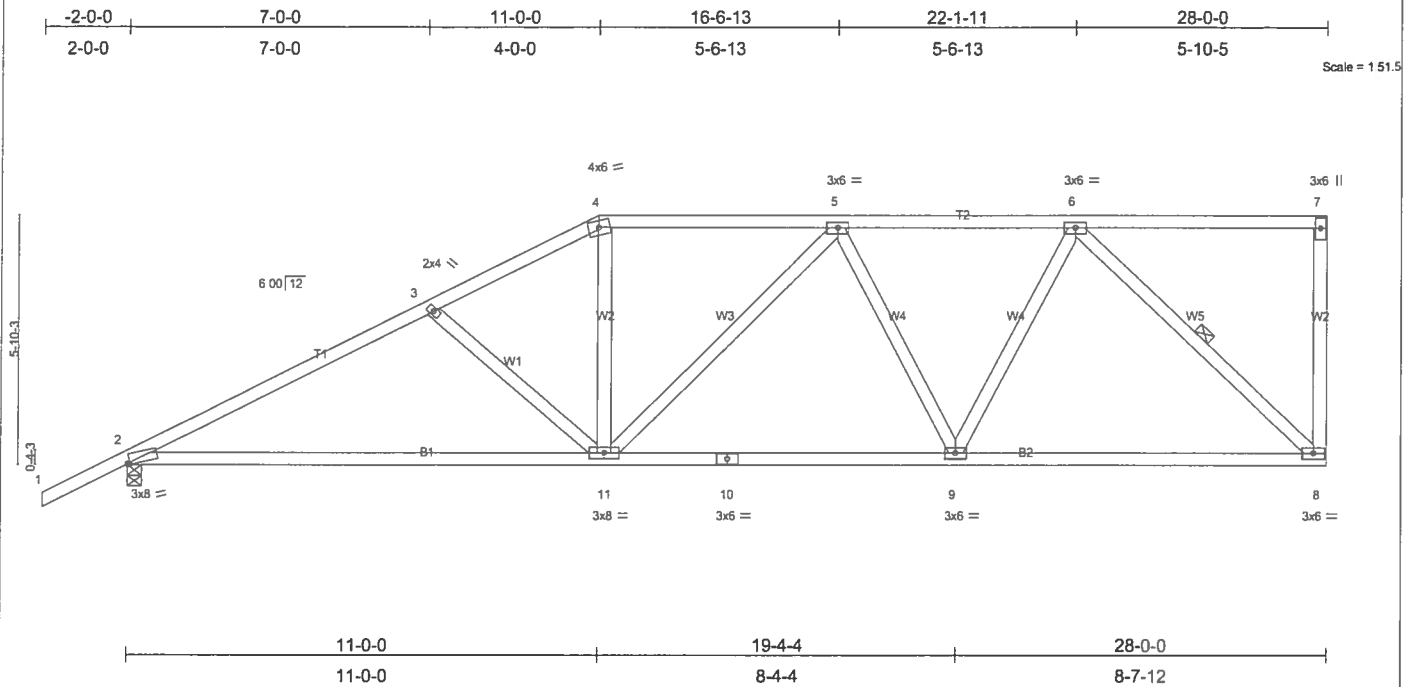


Plate Offsets (X,Y): [2:0-0-10,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.56	Vert(LL)	-0.38	2-11	>873	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.77	Vert(TL)	-0.65	2-11	>512		
BCCL 10.0	Lumber Increase 1.25	WB 0.41	Horz(TL)	0.06	8	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2004/TPI2002							
							Weight: 152 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 8=1158/Mechanical, 2=1284/0-4-0

Max Horz 2=318(load case 5)

Max Uplift 8=415(load case 4), 2=469(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=1931/751, 3-4=1656/660, 4-5=1436/630, 5-6=1241/511, 6-7=45/7, 7-8=149/99

BOT CHORD 2-11=840/1668, 10-11=623/1411, 9-10=623/1411, 8-9=424/954

WEBS 3-11=324/281, 4-11=118/502, 5-11=47/123, 5-9=377/251, 6-9=192/641, 6-8=1268/582

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide adequate drainage to prevent water ponding.
- 3) Refer to girder(s) for truss to truss connections.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 415 lb uplift at joint 8 and 469 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L163335	Truss T14	Truss Type HIP	Qty 1	Ply 1	JOHN NORRIS-MADISON
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

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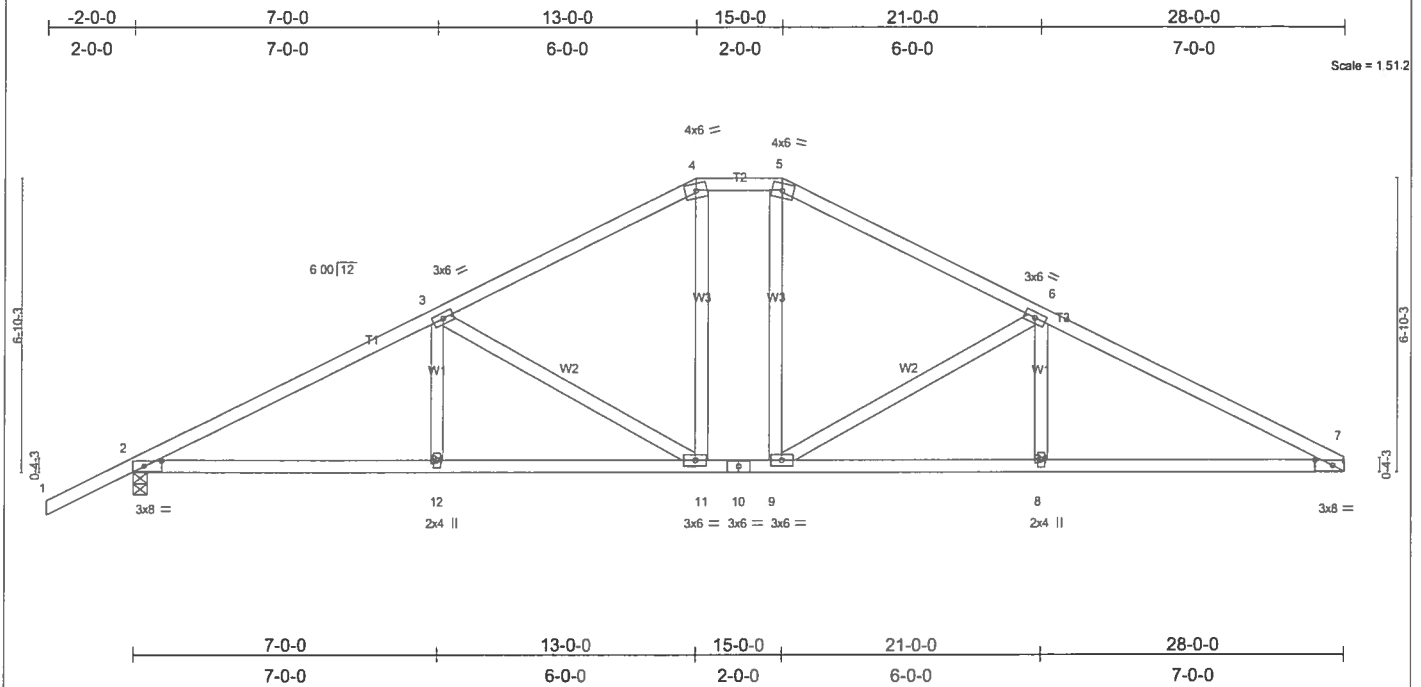


Plate Offsets (X,Y): [2:0-4-12:0-1-8], [7:0-4-12:0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.36	Vert(LL)	-0.15	11-12	>999	240	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.59	Vert(TL)	-0.23	7-8	>999	180	
BCCL 10.0	Rep Stress Incr	YES	WB 0.62	Horz(TL)	0.08	7	n/a	n/a	
BCDL 5.0	Code FBC2004/TP12002		(Matrix)						
									Weight: 140 lb

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-11-2 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-2-9 oc bracing.

REACTIONS (lb/size) 7=1162/Mechanical, 2=1288/0-4-0
 Max Horz 2=154(load case 5)
 Max Uplift 7=-372(load case 6), 2=-501(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-2066/841, 3-4=-1462/702, 4-5=-1244/691, 5-6=-1464/705, 6-7=-2091/891
 BOT CHORD 2-12=-643/1764, 11-12=-643/1764, 10-11=-358/1244, 9-10=-358/1244, 8-9=-698/1812, 7-8=-698/1812
 WEBS 3-12=0/242, 3-11=-651/333, 4-11=-151/417, 5-9=-166/430, 6-9=-704/396, 6-8=0/261

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide adequate drainage to prevent water ponding.
 4) Refer to girder(s) for truss to truss connections.
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 372 lb uplift at joint 7 and 501 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L163335	Truss T15	Truss Type COMMON	Qty 8	Ply 1	JOHN NORRIS-MADISON
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu May 04 08:44:16 2006 Page 1		

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

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.53	in (loc) l/def L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.61	Vert(LL) -0.29 6-8 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.27	Vert(TL) -0.50 6-8 >668 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.07 6 n/a n/a		
	Code FBC2004/TPI2002			Weight: 132 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-0-1 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 8-2-5 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 2=1284/0-4-0, 6=1277/Mechanical
 Max Horz 2=136(load case 5)
 Max Uplift 2=-505(load case 5), 6=-499(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1969/856, 3-4=-1729/800, 4-5=-1740/805, 5-6=-1987/866, 6-7=0/47
 BOT CHORD 2-10=-580/1703, 9-10=-249/1160, 8-9=-249/1160, 6-8=-592/1725
 WEBS 3-10=-378/332, 4-10=-223/643, 4-8=-232/660, 5-8=-393/342

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Refer to girder(s) for truss to truss connections.
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 505 lb uplift at joint 2 and 499 lb uplift at joint 6.

LOAD CASE(S) Standard

Job L163335	Truss T17	Truss Type SPECIAL	Qty 1	Ply 1	JOHN NORRIS-MADISON
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

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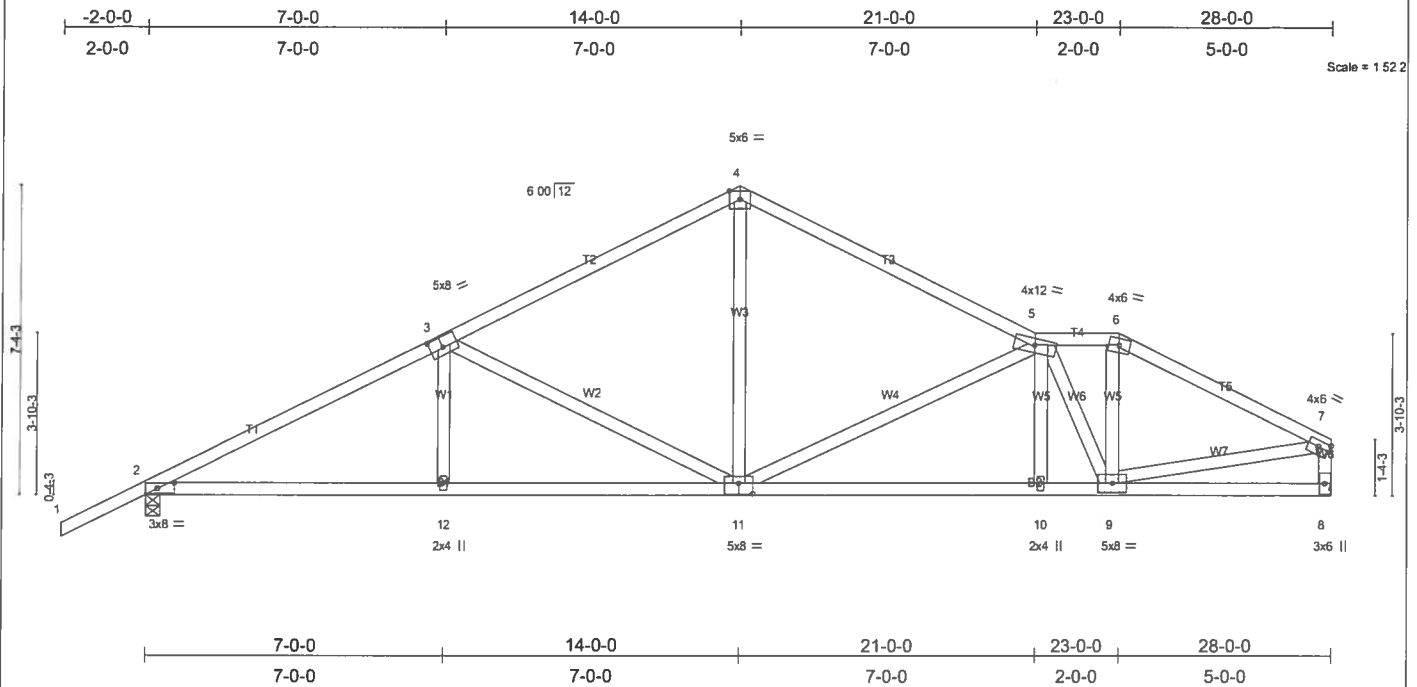


Plate Offsets (X,Y): [2-0-4-12-0-1-8], [3-0-3-12-0-3-0], [7-Edge,0-1-12], [11-0-4-0-0-3-0]

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)	-0.14 10-11	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.48	Vert(TL)	-0.23 10-11	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.73	Horz(TL)	0.07 8	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)						Weight: 153 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 4-0-14 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 7-6-1 oc bracing.

REACTIONS (lb/size) 2=1284/0-4-0, 8=1158/Mechanical

Max Horz 2=196(load case 5)

Max Uplift 2=-505(load case 5), 8=-377(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-2062/844, 3-4=-1413/680, 4-5=-1406/677, 5-6=-1356/680, 6-7=-1558/674, 7-8=-1067/502

BOT CHORD 2-12=-705/1763, 11-12=-704/1769, 10-11=-708/1740, 9-10=-706/1747, 8-9=-111/207

WEBS 3-12=0/220, 3-11=-676/353, 4-11=-279/787, 5-11=-651/359, 5-10=0/162, 5-9=-843/367, 6-9=-212/544, 7-9=-427/1154

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02: 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 505 lb uplift at joint 2 and 377 lb uplift at joint 8.

LOAD CASE(S) Standard

Job L163335	Truss T18	Truss Type SPECIAL	Qty 1	Ply 1	JOHN NORRIS-MADISON
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

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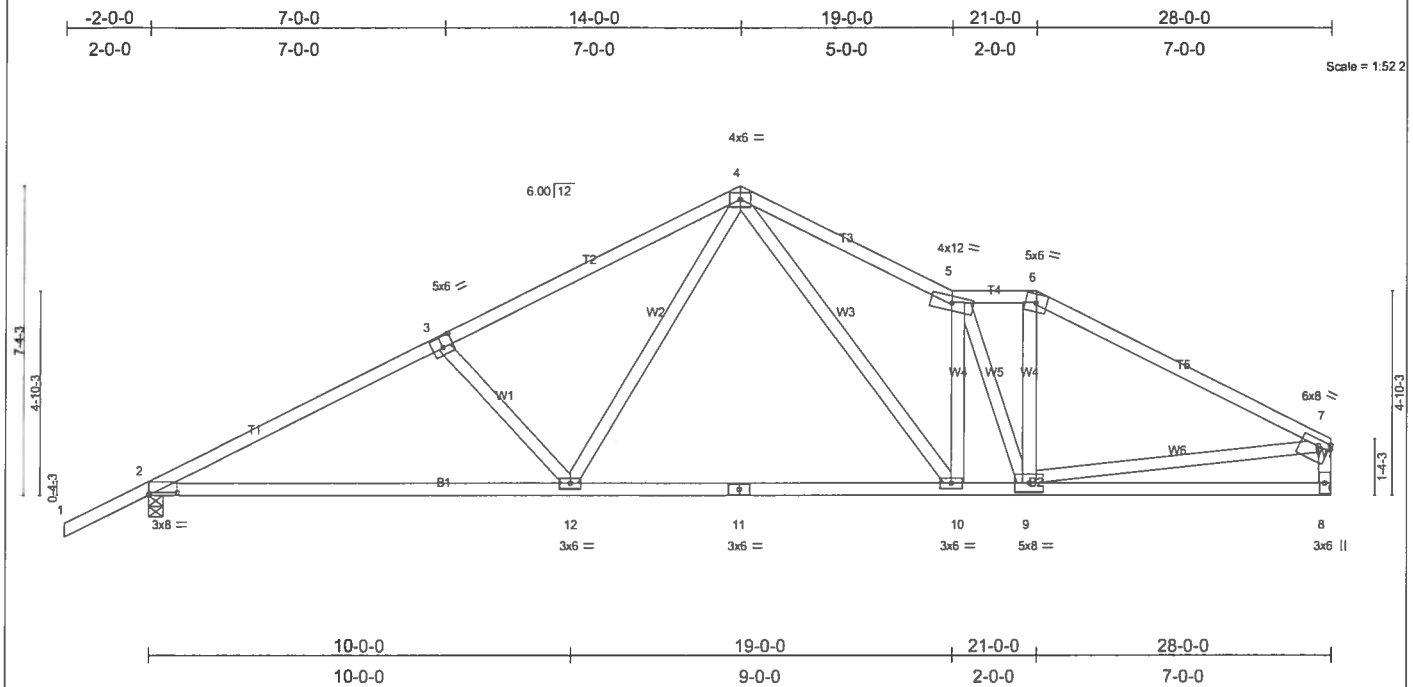


Plate Offsets (X,Y): [2:0-8-0,0-0-10], [3:0-3-0,0-3-0], [7:Edge,0-1-12]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.78	Vert(LL)	-0.24	2-12	>999	240	MT20
TCDL 7.0	Lumber Increase	1.25	BC 0.65	Vert(TL)	-0.41	2-12	>805	180	244/190
BCLL 10.0	Rep Stress Incr	YES	WB 0.46	Horz(TL)	0.05	8	n/a	n/a	
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 153 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 4-0-13 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 7-5-5 oc bracing.

REACTIONS (lb/size) 2=1284/0-4-0, 8=1158/Mechanical
 Max Horz 2=196(load case 5)
 Max Uplift 2=505(load case 5), 8=377(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=1982/861, 3-4=1743/803, 4-5=1795/917, 5-6=1375/700, 6-7=1612/698, 7-8=1039/509
 BOT CHORD 2-12=720/1714, 11-12=385/1149, 10-11=385/1149, 9-10=580/1566, 8-9=188/348
 WEBS 3-12=370/340, 4-12=220/681, 4-10=346/776, 5-10=432/306, 5-9=505/146, 6-9=48/377, 7-9=339/1028

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 505 lb uplift at joint 2 and 377 lb uplift at joint 8.

LOAD CASE(S) Standard

Job L163335	Truss T19	Truss Type SPECIAL	Qty 1	Ply 1	JOHN NORRIS-MADISON
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

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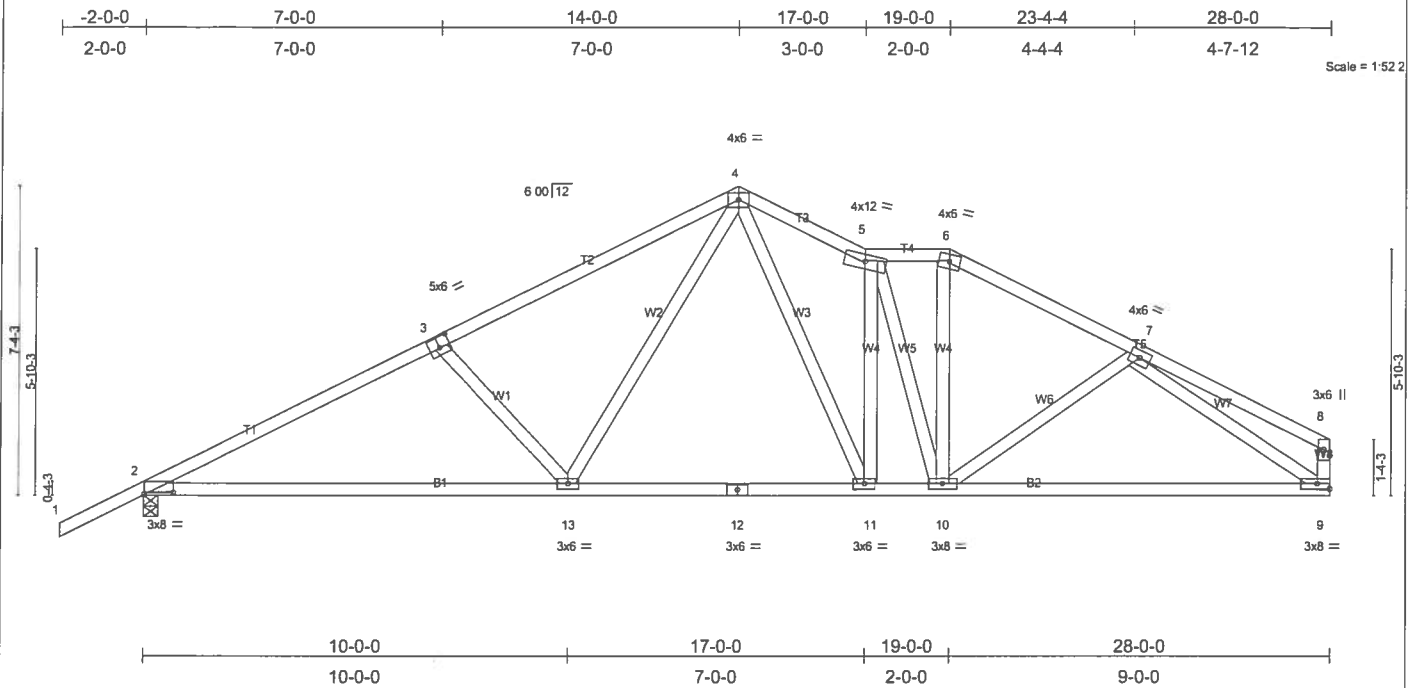


Plate Offsets (X,Y): [2-0-8-4,0-0-10], [3-0-3-0,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.72	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.64	Vert(LL) -0.26 2-13 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.66	Vert(TL) -0.44 2-13 >755 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.06 9 n/a n/a		
	Code FBC2004/TPI2002			Weight: 162 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 4-0-12 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 7-5-3 oc bracing.

REACTIONS (lb/size) 2=1284/0-4-0, 9=1158/Mechanical

Max Horz 2=196(load case 5)
 Max Uplift 2=-505(load case 5), 9=-377(load case 6)

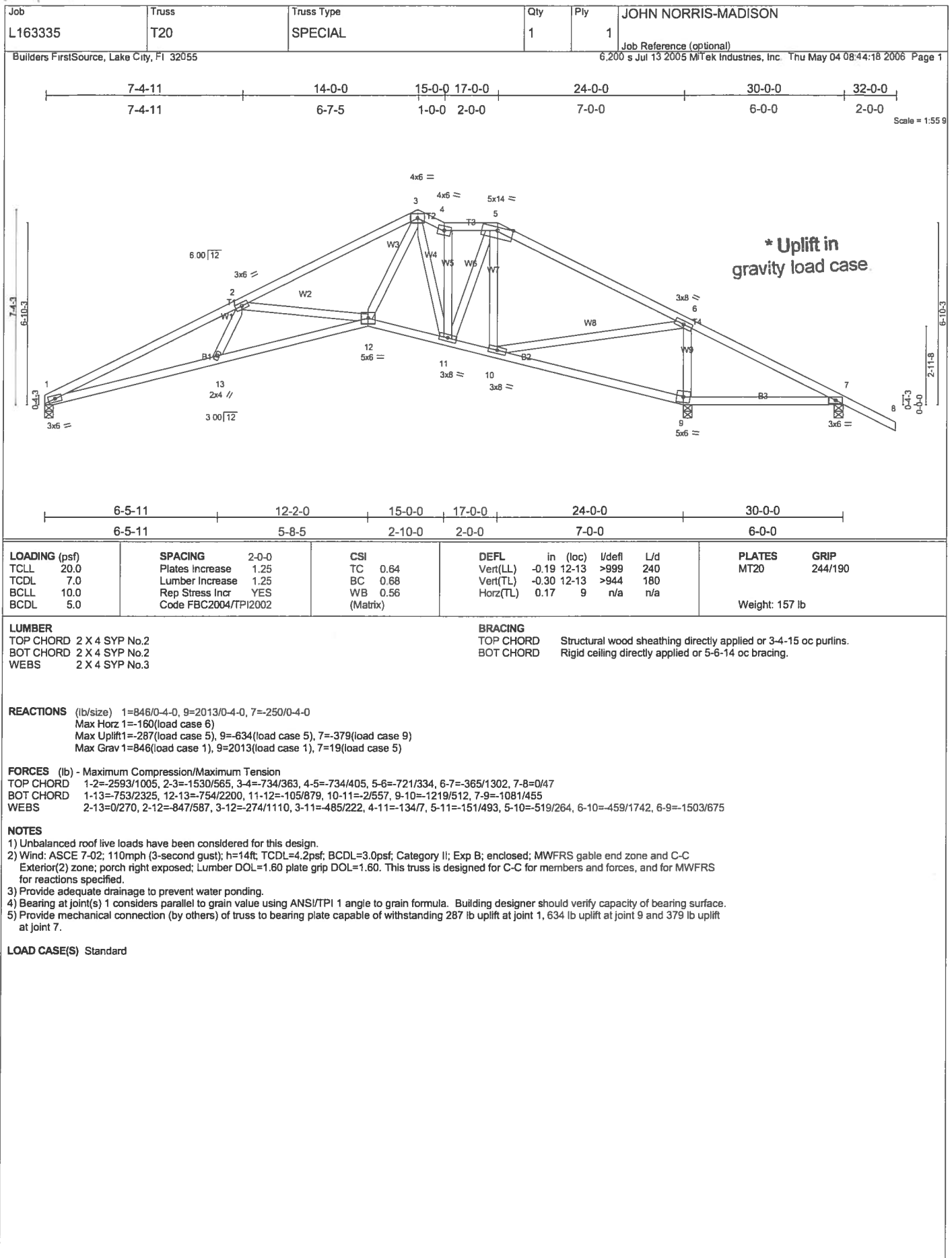
FORCES (lb) - Maximum Compression/Maximum Tension

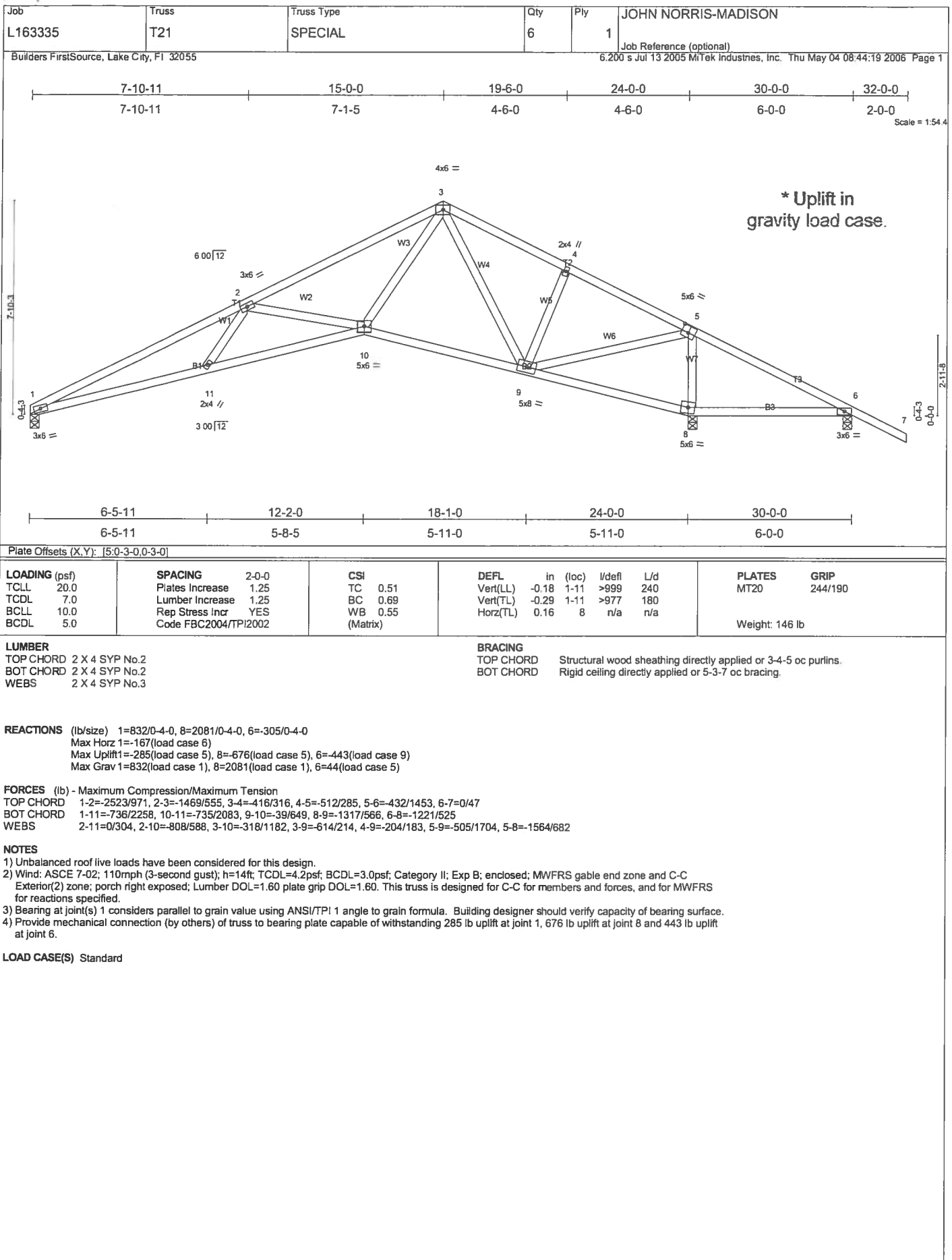
TOP CHORD 1-2=0/47, 2-3=-1977/862, 3-4=-1736/803, 4-5=-1545/809, 5-6=-1307/675, 6-7=-1502/697, 7-8=-397/126, 8-9=-283/144
 BOT CHORD 2-13=-720/1711, 12-13=-382/1152, 11-12=-382/1152, 10-11=-482/1371, 9-10=-547/1275
 WEBS 3-13=-369/343, 4-13=-226/657, 4-11=-263/638, 5-11=-539/243, 5-10=-202/104, 6-10=-112/393, 7-10=-23/132, 7-9=-1218/622

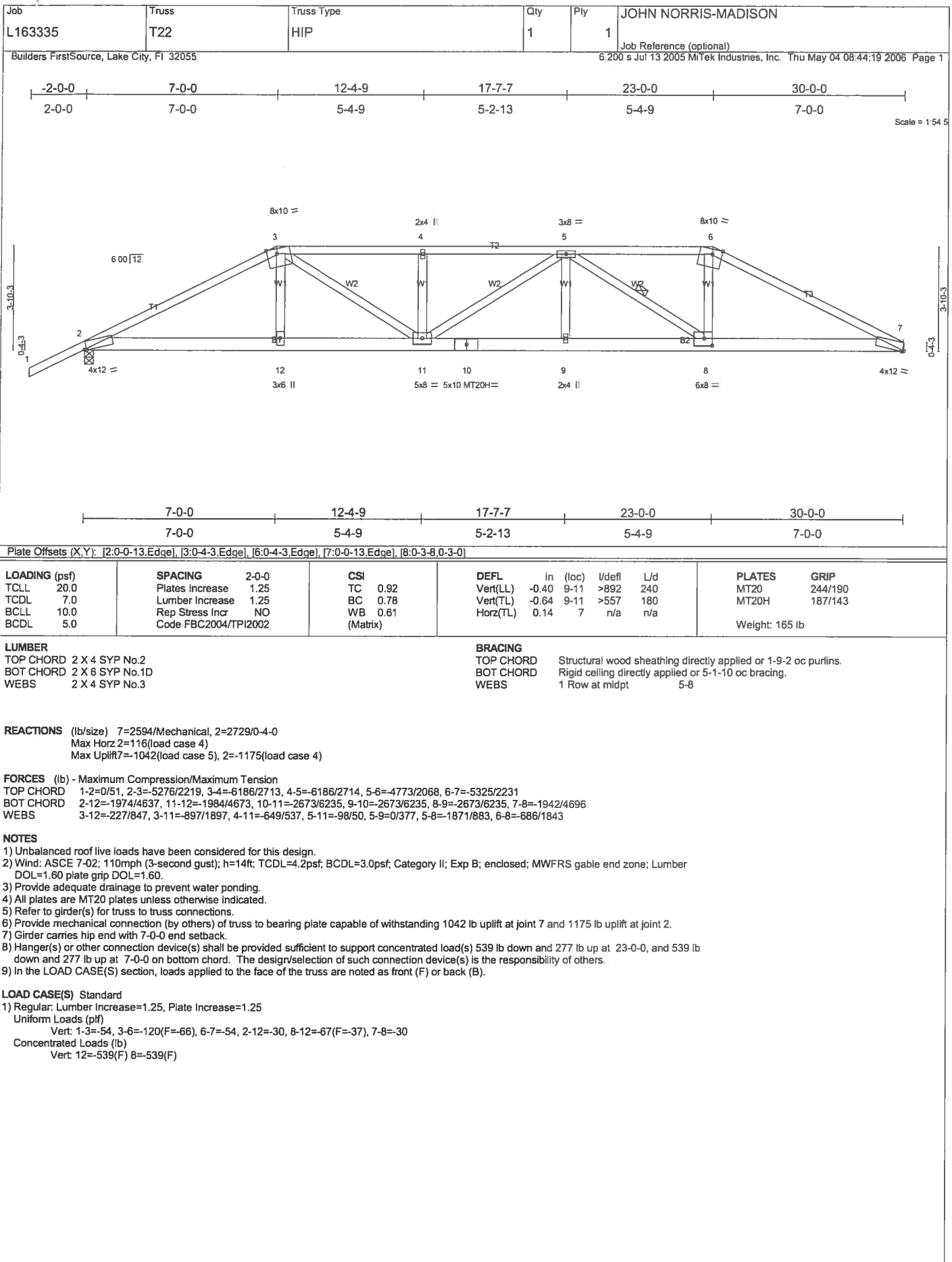
NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 505 lb uplift at joint 2 and 377 lb uplift at joint 9.

LOAD CASE(S) Standard







Job L163335	Truss T23	Truss Type HIP	Qty 1	Ply 1	JOHN NORRIS-MADISON
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Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MiTek Industries, Inc. Thu May 04 08:44:20 2006 Page 1

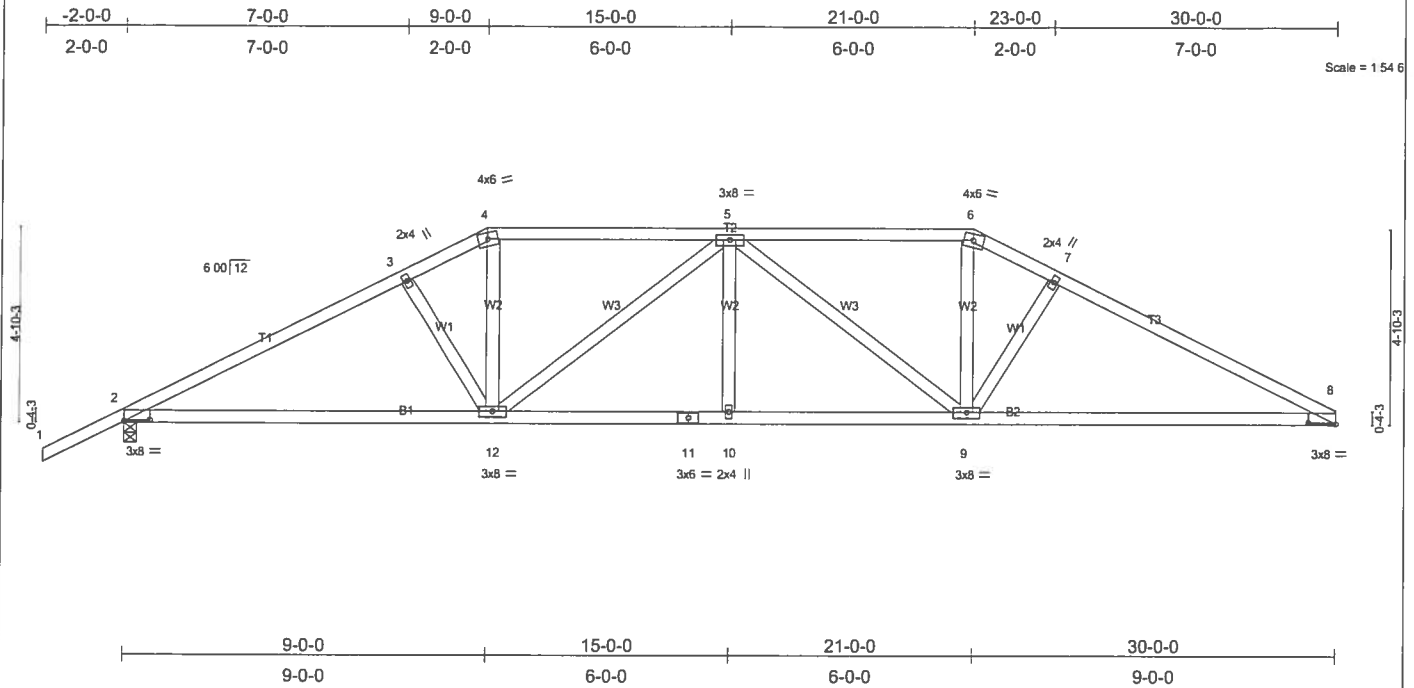


Plate Offsets (X,Y): [2:0-8-0-0-0-6], [8:0-8-0-0-0-6]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.58	Vert(LL)	-0.27	8-9	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.76	Vert(TL)	-0.45	8-9	>793	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.45	Horz(TL)	0.10	8	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 147 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-4-2 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-0-10 oc bracing.

REACTIONS (lb/size) 8=1246/Mechanical, 2=1372/0-4-0

Max Horz 2=126(load case 5)

Max Uplift 8=363(load case 6), 2=491(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=2185/881, 3-4=-1995/868, 4-5=-1765/793, 5-6=-1791/821, 6-7=-2031/908, 7-8=-2210/928

BOT CHORD 2-12=-674/1873, 11-12=-717/2072, 10-11=-717/2072, 9-10=-717/2072, 8-9=-729/1923

WEBS 3-12=-248/226, 4-12=-266/715, 5-12=-469/222, 5-10=0/115, 5-9=-448/210, 6-9=-307/747, 7-9=-293/279

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 363 lb uplift at joint 8 and 491 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L163335	Truss T24	Truss Type HIP	Qty 1	Ply 1	JOHN NORRIS-MADISON
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6,200 s Jul 13 2005 MiTek Industries, Inc. Thu May 04 08:44:20 2006 Page 1

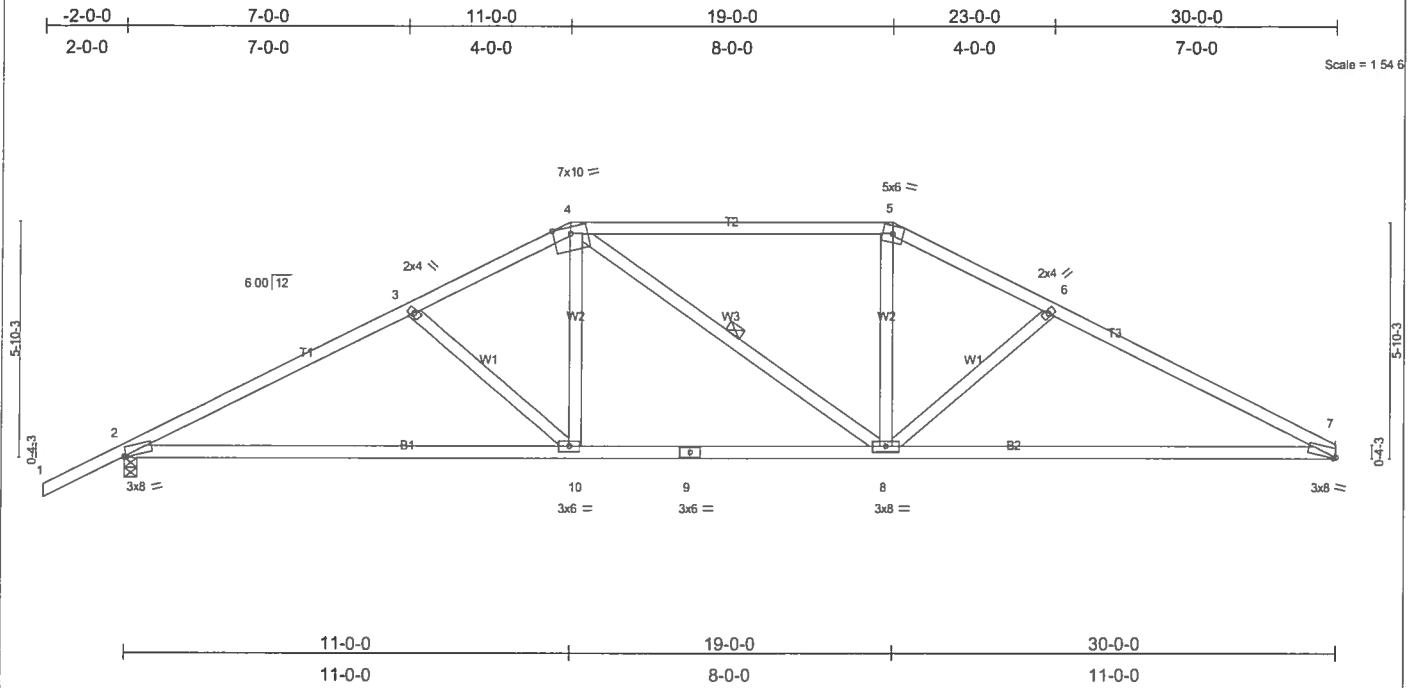


Plate Offsets (X,Y): [2'-0"-10',Edge], [7'-0"-10',Edge]

LOADING (psf)	SPACING	2'-0"-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.71	Vert(LL)	-0.48	7-8	>740	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.79	Vert(TL)	-0.81	7-8	>439	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.17	Horz(TL)	0.09	7	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
										Weight: 141 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 2-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-11-10 oc bracing.
WEBS 1 Row at midpt 4-8

REACTIONS (lb/size) 7=1246/Mechanical, 2=1372/0-4-0

Max Horz 2=140(load case 5)

Max Uplift 7=-380(load case 6), 2=-508(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-2108/898, 3-4=-1849/819, 4-5=-1640/799, 5-6=-1871/843, 6-7=-2146/939

BOT CHORD 2-10=-687/1824, 9-10=-501/1624, 8-9=-501/1624, 7-8=-735/1869

WEBS 3-10=-283/249, 4-10=-103/474, 4-8=-125/154, 5-8=-140/498, 6-8=-321/293

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02: 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 380 lb uplift at joint 7 and 508 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L163335	Truss T25	Truss Type SPECIAL	Qty 1	Ply 1	JOHN NORRIS-MADISON
Builders FirstSource, Lake City, Fl 32055					Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Thu May 04 08:44:21 2006 Page 1

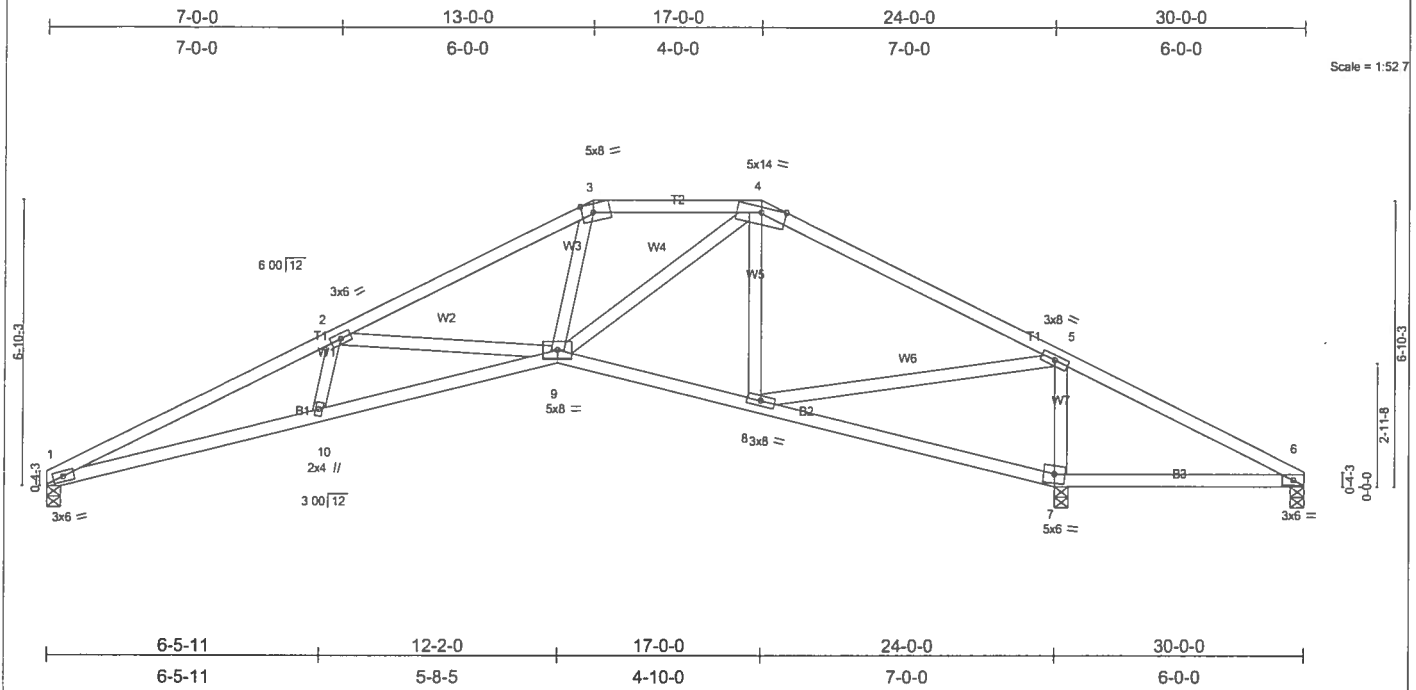


Plate Offsets (X,Y): [3-0-3-3-Edge]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	PLATES
TCLL 20.0	Plates Increase	1.25	TC 0.68	in (loc) l/def L/d	GRIP
TCDL 7.0	Lumber Increase	1.25	BC 0.66	Vert(LL) -0.19 9-10 >999 240	MT20 244/190
BCLL 10.0	Rep Stress Incr	YES	WB 0.55	Vert(TL) 0.08 6-7 >845 180	
BCDL 5.0	Code FBC2004/TP12002		(Matrix)	Horz(TL) 0.16 7 n/a n/a	Weight: 140 lb

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-5-15 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 5-7-0 oc bracing

REACTIONS (lb/size) 1=847/0-4-0, 6=384/0-4-0, 7=2030/0-4-0
 Max Horz 1=96(load case 4)
 Max Uplift 1=280(load case 5), 6=447(load case 9), 7=648(load case 5)
 Max Grav 1=847(load case 1), 6=777(load case 5), 7=2030(load case 1)

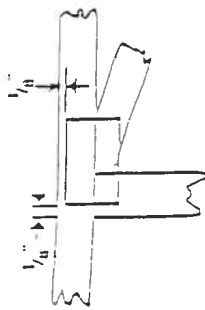
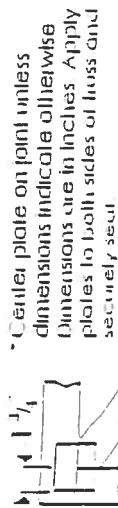
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-2611/1047, 2-3=-1549/587, 3-4=-1216/565, 4-5=-719/310, 5-6=-450/1284
 BOT CHORD 1-10=-867/2344, 9-10=-869/2281, 8-9=-46/576, 7-8=-1197/508, 6-7=-1059/447
 WEBS 2-10=0/230, 2-9=-886/590, 3-9=-86/428, 4-9=-285/887, 4-8=-520/266, 5-8=-507/1715, 5-7=-1507/741

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - 3) Provide adequate drainage to prevent water ponding.
 - 4) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TP1 angle to grain formula. Building designer should verify capacity of bearing surface.
 - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 280 lb uplift at joint 1, 447 lb uplift at joint 6 and 648 lb uplift at joint 7.

LOAD CASE(S) Standard

Symbols

PLATE LOCATION AND ORIENTATION



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

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

PLATE SIZE

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

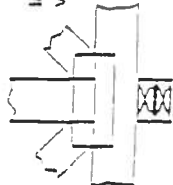


LATERAL BRACING



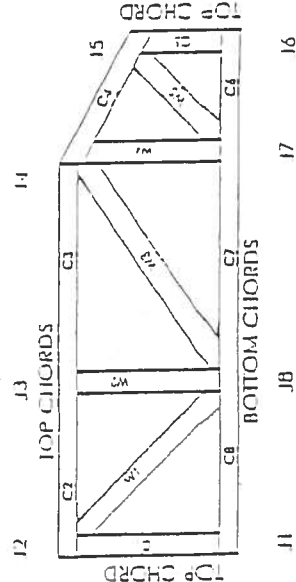
Indicates location of required continuous lateral bracing

BEARING



Indicates location of joints at which bearings (supports) occur

Numbering System



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

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTION PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
VISC/DIIR	960022 W, 970036-11
IFER	561



Titelok Engineering Reference Sheet: H111-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties
2. Cut members to bear tightly against each other
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations
4. Unless otherwise noted, locate chord splices at 1/4 panel length (1.5" from adjacent joint)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements
9. Lumber shall be of the species and size and in all respects, equal to or better than the grade specified
10. Top chords must be sheathed or purlins provided at spacing shown on design
11. Bottom chords require lateral bracing at 10 ft spacing, or less, if no ceiling is installed, unless otherwise noted
12. Anchorage and / or load transferring connections to lusses are the responsibility of others unless shown
13. Do not overload roof or floor lusses with stacks of construction materials
14. Do not cut or alter truss member or plate without prior approval of a professional engineer
15. Care should be exercised in handling, erection and installation of lusses.

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From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: **0605-11**
Contractor John Norris Owner Image Development lot 4 Thornwood subdivision

On the date of May 5, 2006 application 0605-11 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0605-11 when making reference to this application.

1. Please provide a copy of a signed released site plan from the Columbia County Environmental Health Department which confirms approval of the waste water disposal system.
2. Please supply two sets of the engineered roof truss plans which have the truss designer signature an embossed engineer's seal, using these plans provide a drawing which details the uplift rating for each truss, to assist in the framing inspection of the structure.

Thank you,

A handwritten signature in red ink, appearing to read "Joe Haltiwanger", is written over the printed name.

Joe Haltiwanger
Plan Examiner
Columbia County Building Department



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

IN SWING

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: The Ceco Series Single Flush / Embossed Inswing Commercial Steel Doors -Impact

APPROVAL DOCUMENT: Drawing No RD0728, titled "3-0 x 7-0, Series Regent, Omega, Imperial, Versa door", prepared by manufacturer, sheets 1 through 9 of 9 dated 05/22/02 and latest revised on 10-10-02, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

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

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

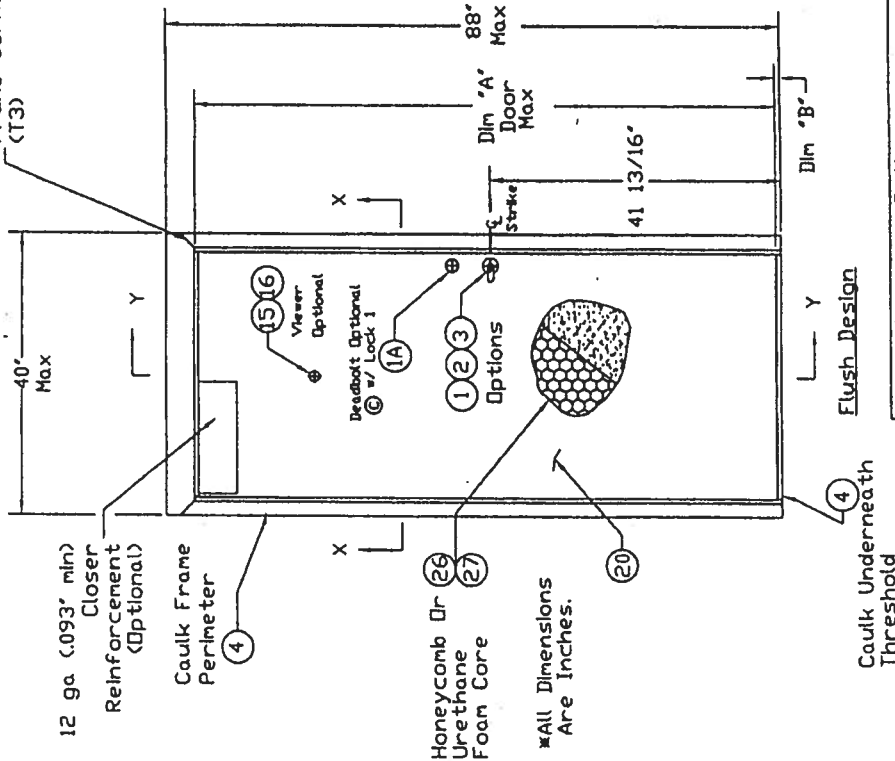
This NOA consists of this page 1 as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No 02-0807.04
Expiration Date: October 31, 2007
Approval Date: October 31, 2002
Page 1

Frame Corners Welded (T3)



12 ga (.093 min) Closer Reinforcement (Optional)

Caulk Frame Perimeter

Honeycomb Or Urethane Foam Core

All Dimensions Are Inches.

Caulk Underneath Threshold

In-Swing Door (Exterior View)

	Dim 'A'	Dim 'B'
3/4" Undercut	83 1/8	3/4
3/8" Undercut	83 1/2	3/8

Approved as complying with the Florida Building Code
 Date: 06/04/04
 By: [Signature]
 Division: [Signature]
 Miami Dade Product Control

Flush Design

Embossed Design

Design Pressure Rating		
	Where Water Infiltration Requirement Is Needed	Where Water Infiltration Requirement Is Not Needed
Positive	Not Approved	+70 PSF
Negative	Not Approved	-70 PSF

Sheet 2	Frame Anchor Installation
Sheet 3	Threshold Installation
Sheet 3	Weatherstrip Installation
Sheet 4	Door Latch Reinforcement
Sheet 5-8	Cross Section View
Sheet 9	Bill Of Material

Notes:

- 1) In-swing Not Approved For Water Infiltration
- 2) This Door Does Not Need A Hurricane Protection System
- 3) Hinge Spacing Is 33" O.C., 13" From Top Of Frame & 9" From The Bottom.

MATERIAL SPECIFICATIONS:

Finish: Rust Inhibitive Primer

3-0 x 7-0 Series

Regent, Omega, Imperial, & Versadoor
 In-Swing Elevation Drawing

CECO DOOR PRODUCTS
 Milan, Tennessee 38358

ISSUE
 DRAWN BY: LT
 DATE: 5/22/02

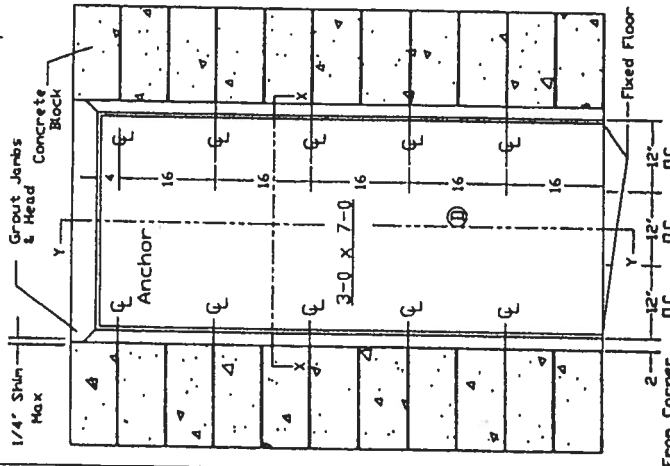
DRAWING NUMBER:
 RD0728
 Sheet 1 of 9

Revised Per Marked-Up Drawings From Issue Change.

Revised Per Marked-Up Drawings From Issue Change.

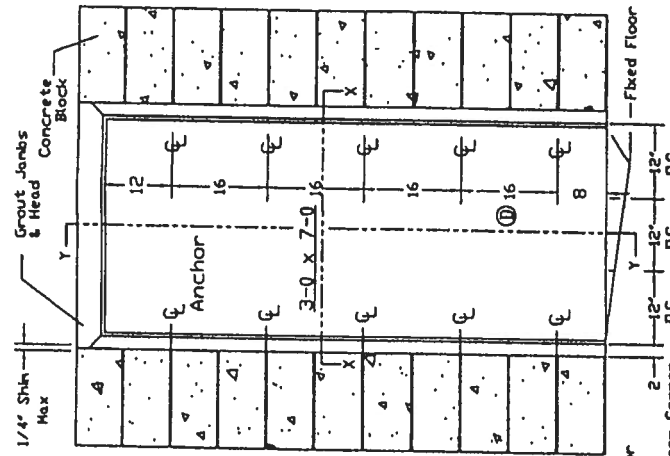
Masonry 'I' Anchor

Min. 3500 PSI



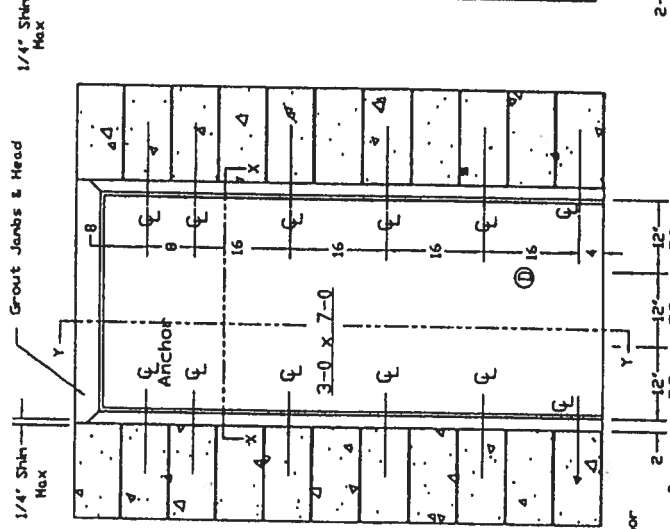
Masonry Wire Anchor

Min. 3500 PSI

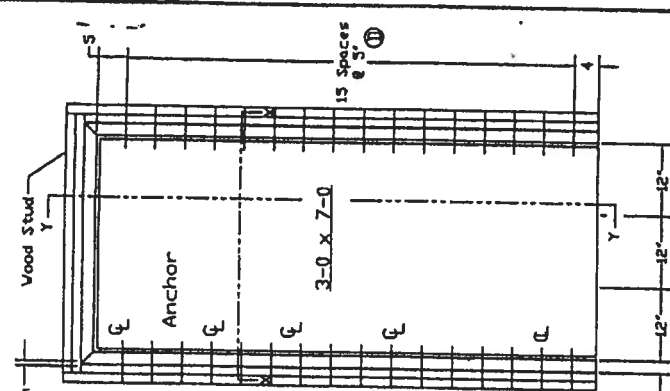


Existing Opening V/Lockbolt or Sleeve Anchor Into Block

Min. 3500 PSI

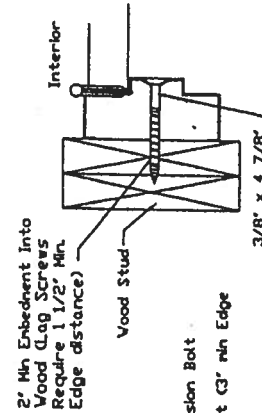
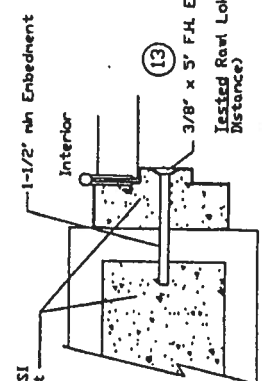
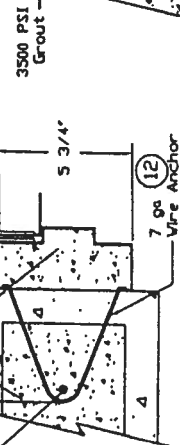
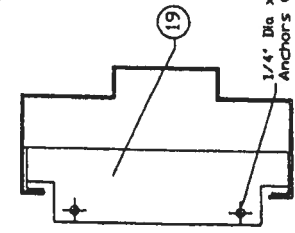
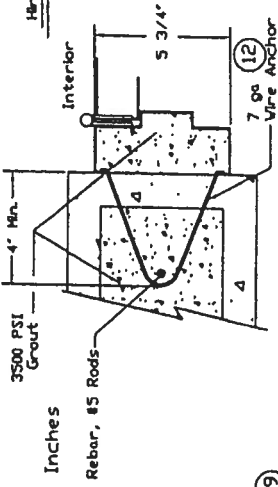


Existing Opening Anchor Into Wood Stud



ALL Dimensions Are Inches

Installation Details
Hinge Jamb / Lock Jamb



MATERIAL SPECIFICATIONS:

Frame Anchor (Inswing Doors)
Regent, Omega, Imperial & Versadoor
Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

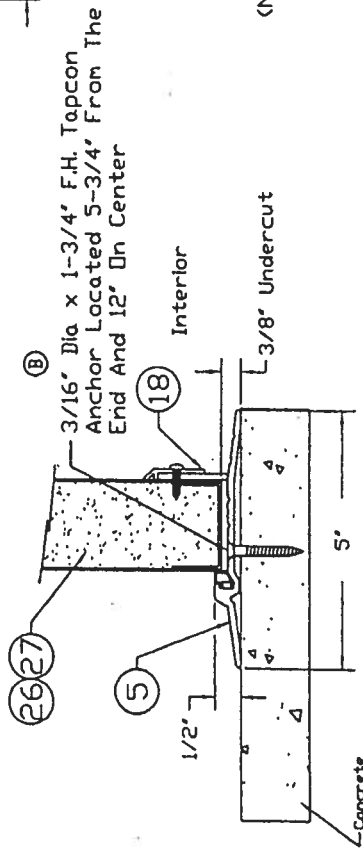
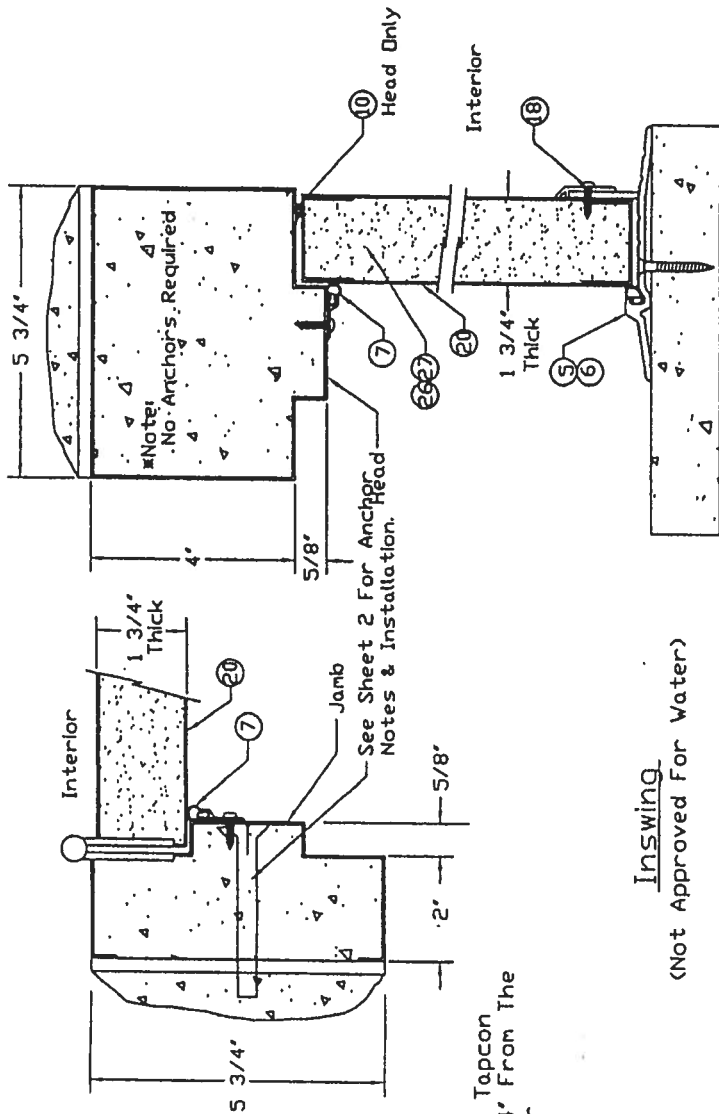
Approved as complying with the
Florida Building Code
Date: 06-11-2002
NOA: 02-0307-04
Miami Dade Product Control
By: [Signature]

Revised Per Marked
Up Drawings From
LT [Signature]

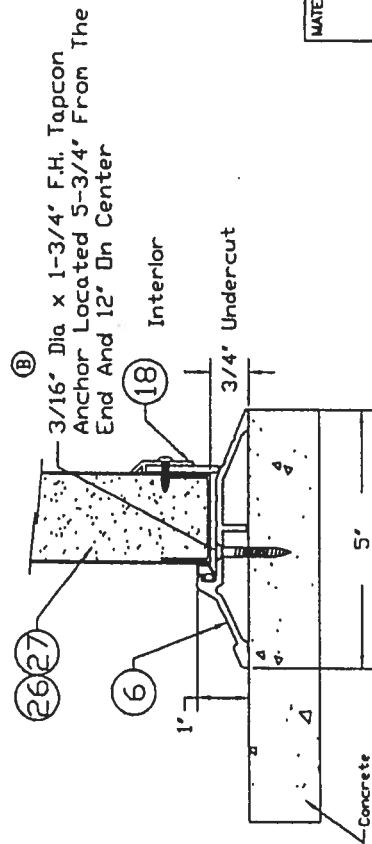
ISSUE
DRAWN BY: LT
DATE: 5/22/02
REVISIONS

DRAWING NUMBER:
RD0728
Sheet 2 of 9

Note: Structural Member At Header Must Be Designed To carry 58.3#/ft. load imposed And Must Be Reviewed By Building Official.



Note: Thresholds Not Approved For Water.



Approved as complying with the Florida Building Code
 Date OCT 31, 2002
 NOA# 02-080704
 Miami Dade Product Control
 Division
 By: [Signature]

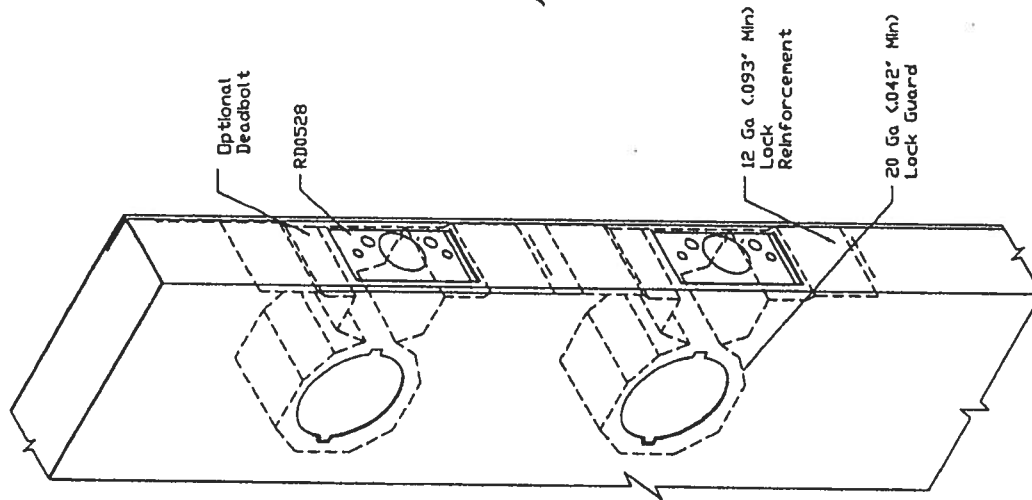
D	Revised Per Marked-Up
LT	Drawings From Ishaq
C	Revised Per Marked-Up
LT	Drawings From Ishaq

ISSUE	REVISIONS
DRAWN BY:	DATE:
LT	5/22/02

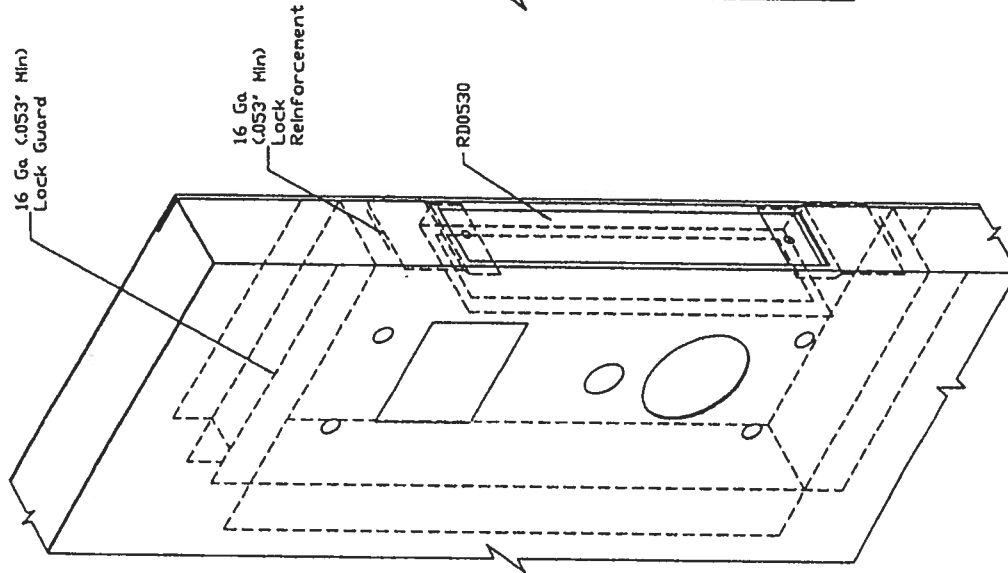
RD0728
 Sheet 3 of 9

Threshold & Weatherstrip (inswing Doors)
 Regent, Omega, Imperial, Versadoor
 Installation Details

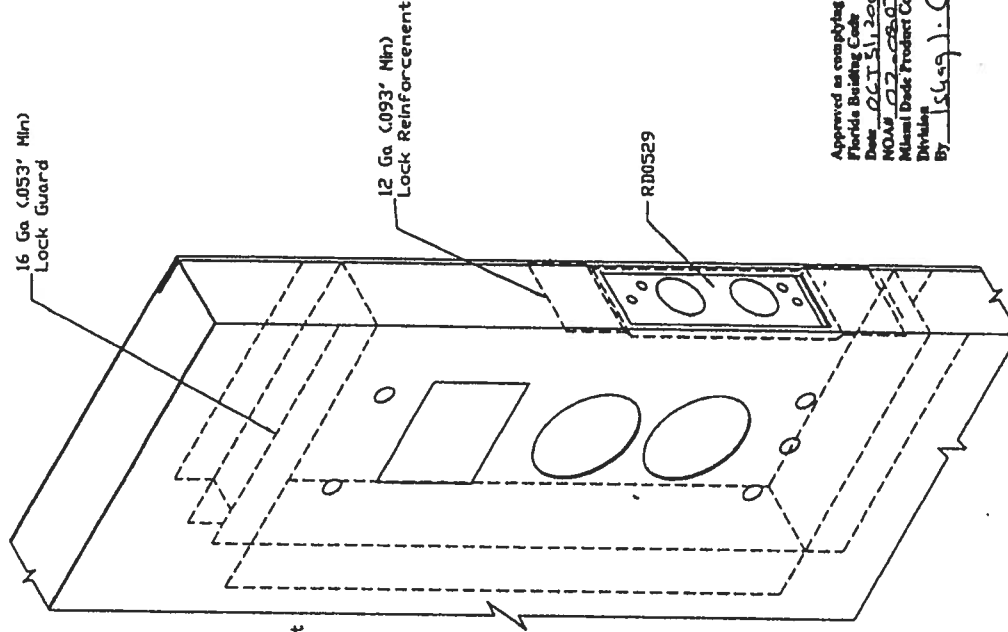
CECO DOOR PRODUCTS
 Milan, Tennessee 38358



Schlage AL53PD



Saflok MT



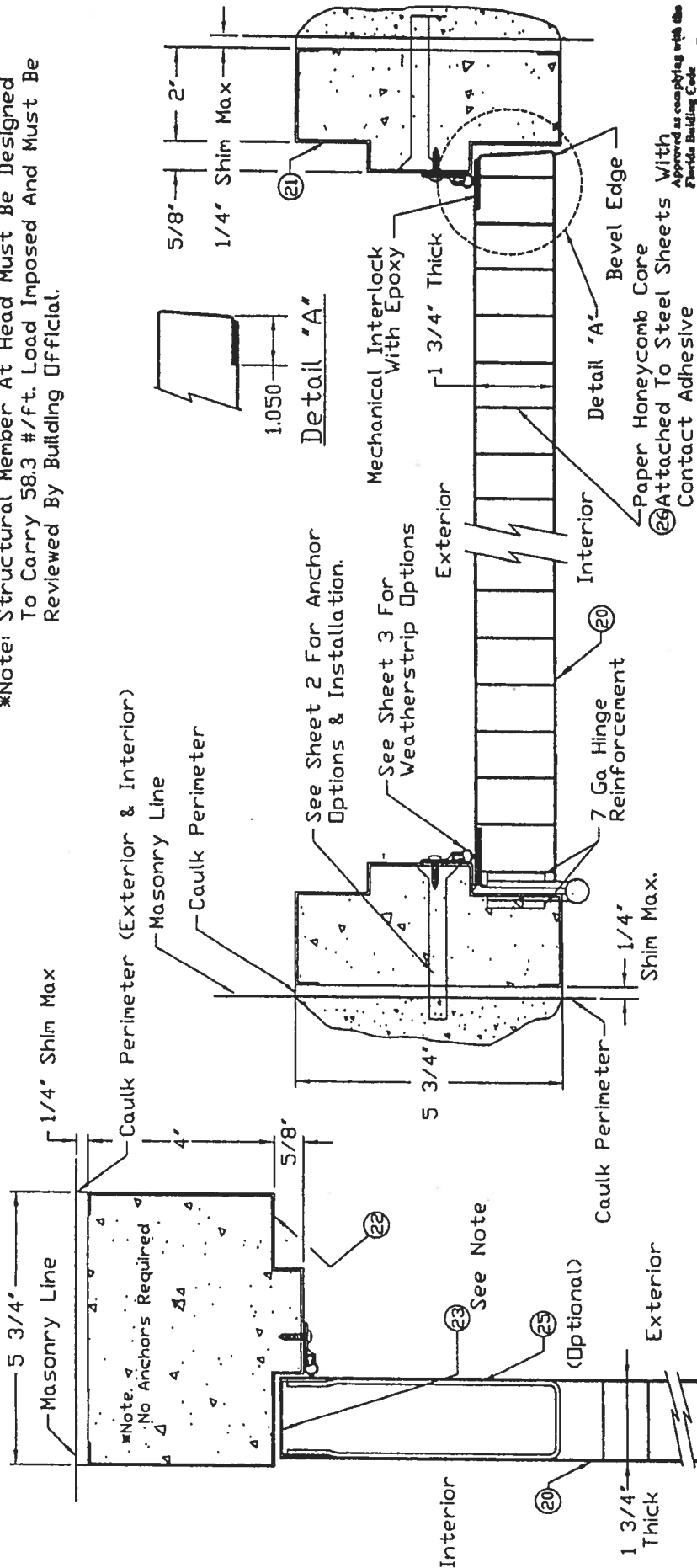
Saflok Premier SL2500

Approved as complying with the
Florida Building Code
Date 06/15/2002
MOAR 02-08-07-04
Miami Dade Product Control
Division
By J. Chaudhary

A 5/28/02 LT	Added RD0528, RD0529 & RD0530.		REVISED	
	ISSUE	REVISIONS	DRAWN BY: LT	DATE: 5/28/02
DRAWING NUMBER: RD0728 Sheet 4 of 9				

MATERIAL SPECIFICATIONS:	Lock Reinforcement (Inswing Doors)	
	Regent, Omega, Imperial, Versadoor	
	Reinforcement Details	
	CECO DOOR PRODUCTS Milan, Tennessee 38358	

*Note: Structural Member At Head Must Be Designed To Carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.



Section X-X

Note 1: Top and Bottom Channel Tack Welded To Both Skins 3 Inches From Lock Edge And 6 Inches On Centers

MATERIAL SPECIFICATIONS:

Cross Section View
(Inswing Doors)
Regent Handed Door

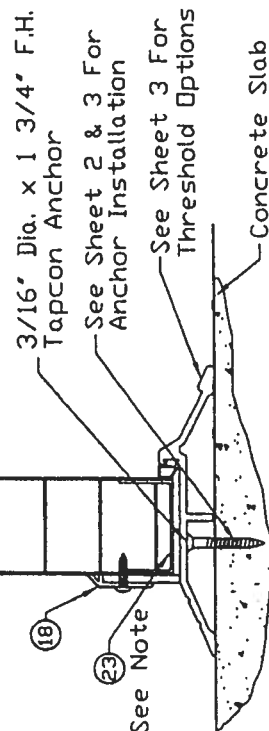
CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE	REVISIONS	DATE
1	Revised Per Marked Drawings From LT Ishaq Chandra.	5/22/02
2	Revised Per Marked Drawings From LT Ishaq Chandra.	

DRAWING NUMBER
RD0728
Sheet 5 of 9

Approved as complying with the Florida Building Code
Date 02/21/2002
NDA# 02-0307017
Milan Door Products Company
By: [Signature]

Section Y-Y



Section X-X

Section Y-Y

Notes:

- Note 1: Top and Bottom Channel Tack Welded To Both Skins 3 Inches From Lock Edge And 6 Inches On Centers
- Note 2: See Sheet 2 For Anchor Options & Installation
- Note 3: See Sheet 3 For Weatherstrip Options
- Note 4: See Sheet 3 For Threshold Options
- Note 5: See Note
- Note 6: See Note
- Note 7: See Note
- Note 8: See Note
- Note 9: See Note
- Note 10: See Note
- Note 11: See Note
- Note 12: See Note
- Note 13: See Note
- Note 14: See Note
- Note 15: See Note
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- Note 96: See Note
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- Note 100: See Note

Note 1: Top and Bottom Channel Tack Welded To Both Skins 3 Inches From Lock Edge And 6 Inches On Centers

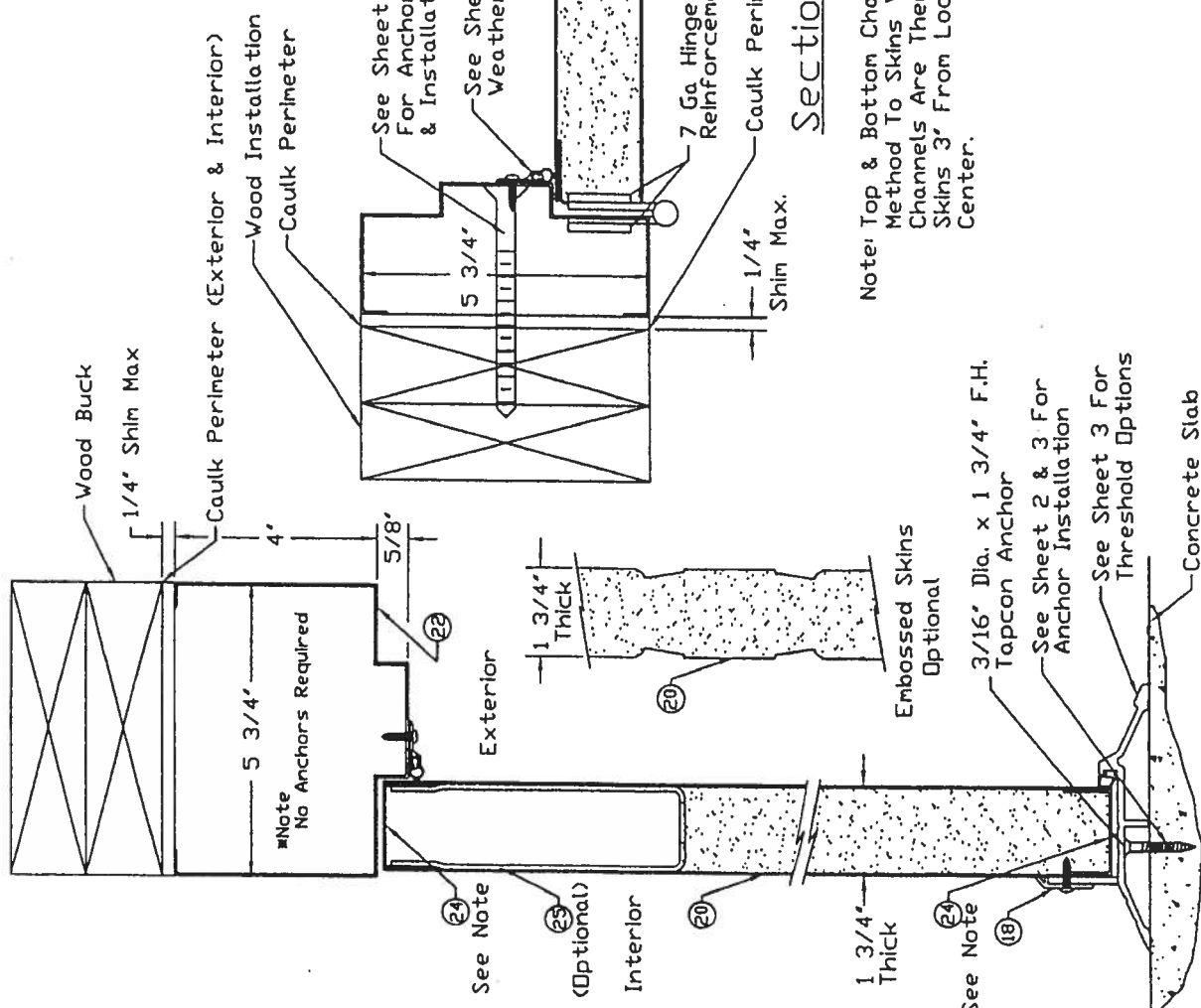
MATERIAL SPECIFICATIONS:

Cross Section View
(In-Swing Doors)
Omega Handed Door

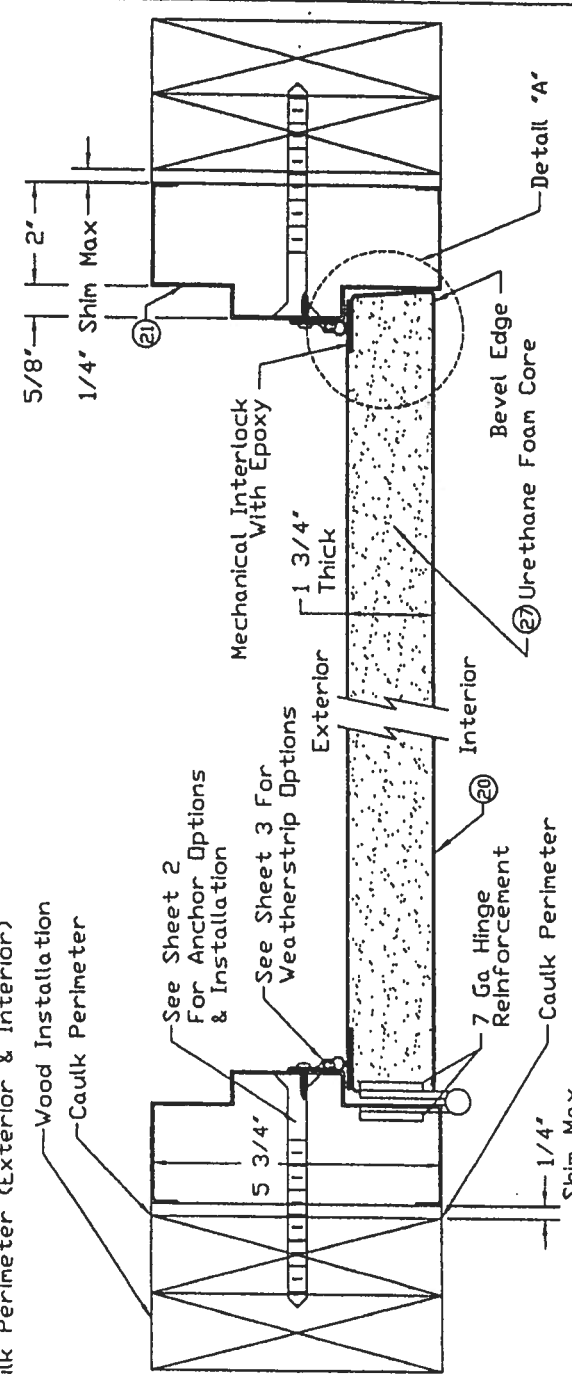
CECO DOOR PRODUCTS
Millon, Tennessee 38358

B	Revised Per Marked -up Drawings From LT	REVISED	DATE: 5/23/02
A	Revised Per Marked -up Drawings From LT		
ISSUE		BY: LT	DRAWING NUMBER RD0728 Sheet 6 of 9

C NUMBER:
 RD0728
 Sheet 6 of 9

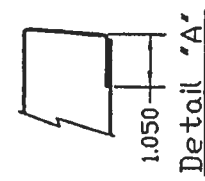


Note: Structural member at Head Must Be Designed To carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.



Section X-X

Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3" From Lock Edge And 6 Inches On Center.

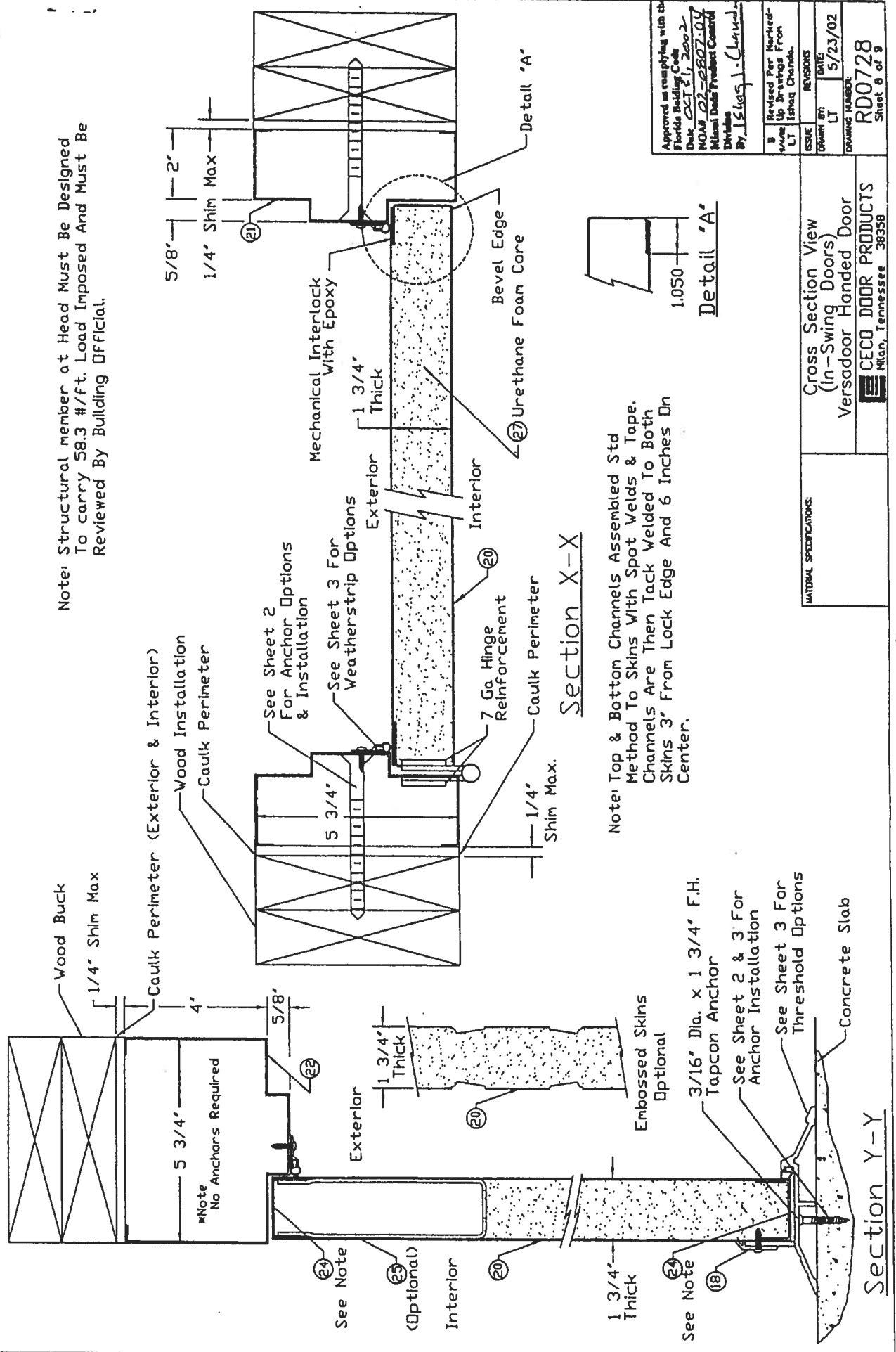


Approved as exemplifying with Florida Building Code
 Date: OCT 31 2002
 NOAH 02-0207-011
 Miami Dade Product Catalog
 By: [Signature]

REVISIONS	DATE
B Revised Per Marked-up and Up Drawings from LT	5/23/02
ISSUE	LT
DRAWN BY	LT
DRAWING NUMBER	RD0728
SHEET	7 of 9

NATIONAL SPECIFICATIONS	Cross Section View (In-Swing Doors)
	Imperial Handed Door
	CECO DOOR PRODUCTS
	Milan, Tennessee 38358

Section Y-Y



Note: Structural member at Head Must Be Designed To carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.

Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3" From Lock Edge And 6 Inches On Center.

Approved as complying with the Florida Building Code	
Date: 02-21-2002	By: [Signature]
Revised Per Marked-up Drawings From LT Meeting	
ISSUE	DATE
1	5/23/02
DRAWING NUMBER	
RD0728	
Sheet 8 of 9	

CROSS SECTION VIEW (In-Swing Doors)	
Versadoor Handed Door	
CECO DOOR PRODUCTS	
Milan, Tennessee 38358	

1	Cylindrical Lock & Lock Reinforcement (RD0528)	Schlage	AL53PD
1A	Deadbolt (Optional) @	Schlage	B100
2	Dr Cylindrical Lock & Lock Reinforcement	Saflok	Premier SL2500
3	Dr Mortise Lock	Saflok	MT
4	Caulk	Dow Corning	899 Silicone Glazing Sealant
5	Threshold	Penko	2005AV36
6	Dr	Penko	181AV36
7	Weatherstrip	Penko	303AV3684
8	Hinge (Ball Bearing)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 MS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
9	Dr (Spring)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 MS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
10	Weatherstrip	Penko	S88
11	Frame Anchor	Masonry Tee (RD0057)	16 ga (.053' min) Galv Steel Fymin = 30ksi
12	Dr	Wire, Relaxed Dimension 9' x 8'	#7 (.167' min) Galv Steel Wire (70,000 - 90,000 psi Tensile Strength)
13	Dr	Expansion Bolt	3/8' x 5' F.H. Rawl Lok/Bolt
14	Dr	Wood Lag Screw	3/8' x 4-5/8'
15	Viewer	Hager	1755
16	Dr	MAG Security	8724-C
17	Drip Cap Top	Penko	346
18	Sweep	Penko	315 N
19	Floor Anchor	Fixed Floor Anchor	16 ga (.053' min) galvanized Steel
20	Face Sheet A60 Galv Conforming To ASTM A653	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 Ga (.053' min)
21	Series SF, Frame Jamb, Double Rabbet Profile, A60 Galv Conforming To ASTM A653	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 Ga (.053' min)
22	Series SF, Frame Head, Double Rabbet, Profile A60 Galv Conforming To ASTM A653	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	2' Face, 5-3/4' Depth Min. (RD0033)
23	Door Channels; Spot Welded To Bottom Skin Glued To Top Skin; Tack Welded To Both	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	4' Face, 5-3/4' Depth Min. (RD0033)
24	Door Channels; Spot Welded To Bottom Skin Taped To Top Skin; Tack Welded To Both	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 ga (.053' min) x 1' x 1-3/4' x 1'
25	Closer Reinforcement (Optional)	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 ga (.053' min) x 1' x 1-3/4' x 1'
26	Honeycomb Core	12 Ga (.093' min) CS Type B	12 ga (.093' min) x 5-3/8' x 16'
27	Urethane Core	Non-impregnated Kraft Paper (E)	1.2' Nominal Cell Size
		Foam Enterprises	2 lb/ft ³ Density

Approved as complying with the
Florida Building Code
Date: 08-11-2002
NOAR 02-0807-009
Milan Door Product Control
Division
By: 15169 J. C. L. S. N. L.

B		Revised Per Marked- 10/10/02 Up Drawings From LT	
A		Revised Per Marked- 9/1/02 Up Drawings From LT	
ISSUE		REVISIONS	
DRAWN BY:		DATE:	
LT		5/28/02	
DRAWING NUMBER:			
RD0728			
Sheet 9 of 9			

MATERIAL SPECIFICATIONS:		3-0 x 7-0 Series	
		In-Swing Bill Of Materials	
		 CECO DOOR PRODUCTS Milan, Tennessee 38358	



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

out swing

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (in Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "Regent" & "Omega" 18 ga. 3'-7" Outswing Commercial Steel Door

APPROVAL DOCUMENT: Drawing No. RD0087, titled "3-0 x 7-0 Series", sheets 1 through 7 of 7, dated 5/30/97 with revision C dated 2/24/00, prepared by the manufacturer, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

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

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

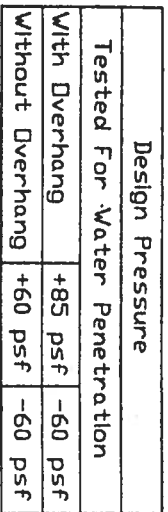
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

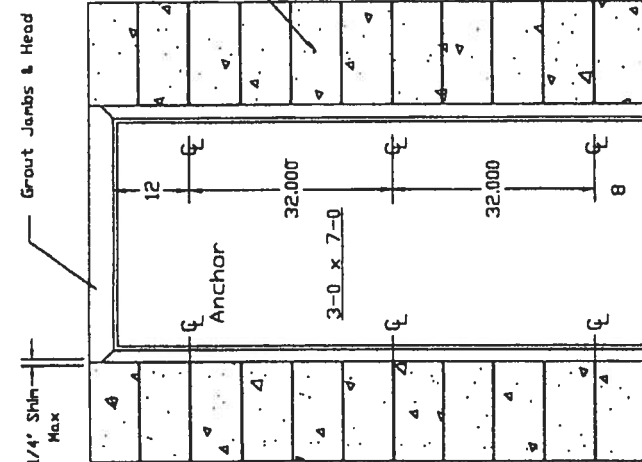
This NOA renews NOA # 00-0315.03 and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by Manuel Perez, P.E.



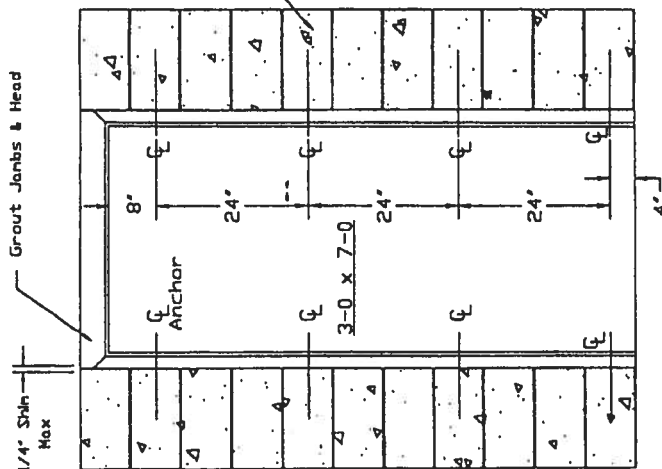
NOA No 03-0411.01
Expiration Date August 14, 2008
Approval Date: May 15, 2003
Page 1



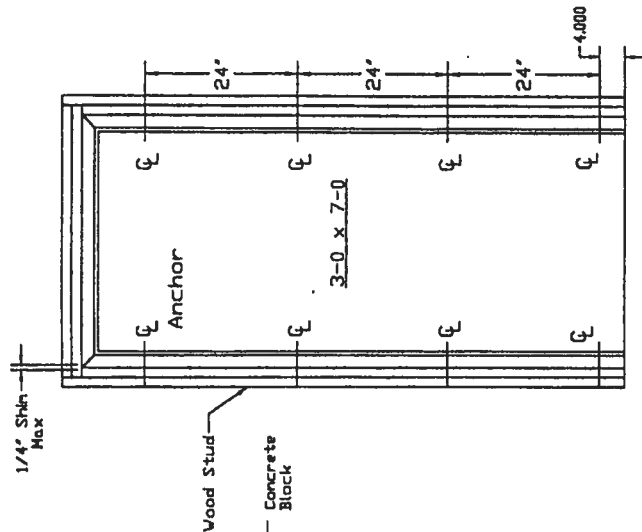
RD0087
Sheet 1 of 7



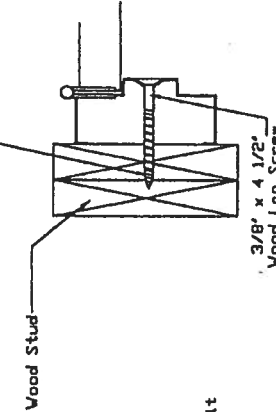
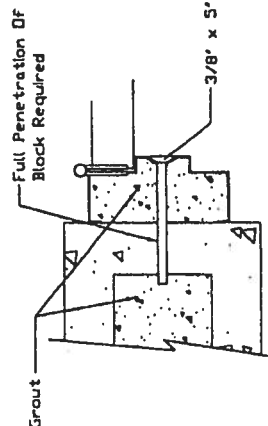
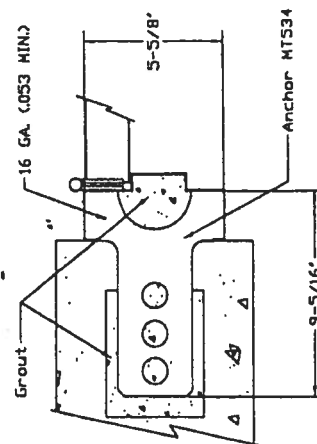
Masonry "T" Anchor



Existing Opening Anchor Into Block



Existing Opening Anchor Into Wood Stud



NOTES:
1. SEE SHEET 7 FOR BILL OF MATERIALS

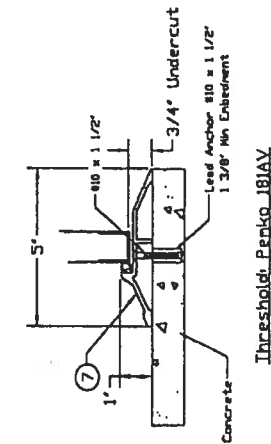
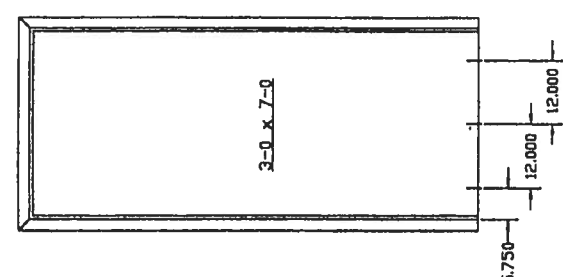
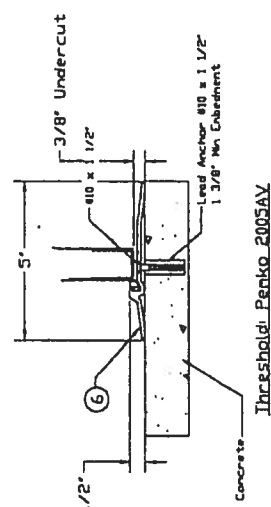
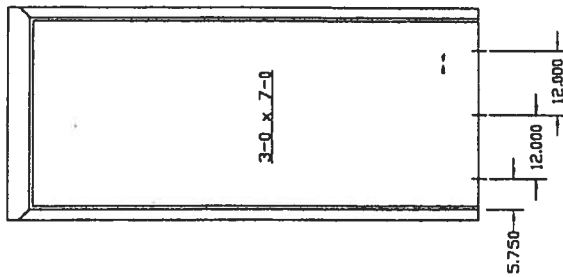
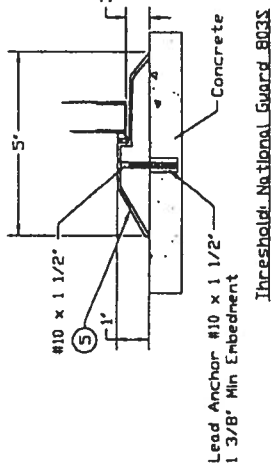
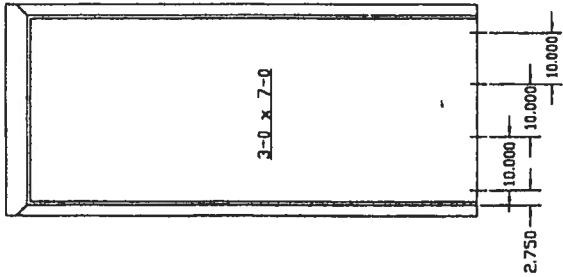
Frame Anchor
Installation Details

CECO DOOR PRODUCTS
Millen, Tennessee 38358

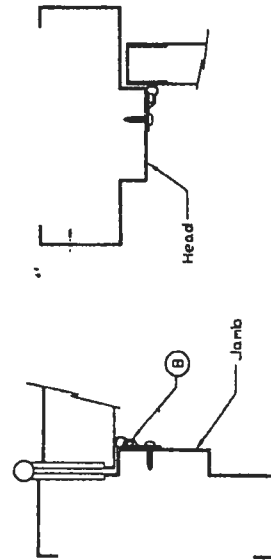
MATERIAL SPECIFICATIONS:

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE <u>June 08, 2000</u> BY <u>Shamuel Dyer</u> PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <u>00-0315-03</u>		B 2/23/00 REVISED	Revised Format, Transferred Information from NOA
		7/23/07 GWS	Revised Sheet Number
		ISSUE	REVISIONS
DRAWN BY: GWS		DATE: 5/30/97	
DRAWING NUMBER: RD0087		Sheet 2 of 7	

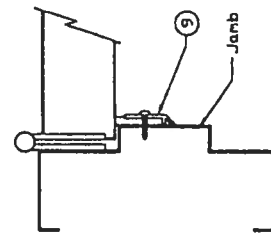
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 00-0411-01
Expiration Date Aug. 16, 2008
By Shamuel Dyer
Manufacture Product Control
Division



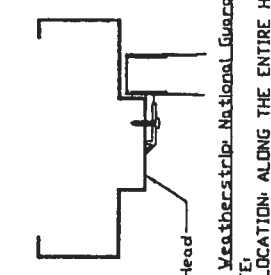
NOTE: 1. All thresholds shown are made from extruded aluminum with slide-in vinyl weatherstrip insert.



NOTE: 2. LOCATION: ALONG THE ENTIRE HEAD AND JAMB PERIMETER. ATTACHED WITH THIRTY FOUR (34) #8 X 3/4" PPH SMS SPACED AT 6" O/C.



NOTE: 3. LOCATION: ALONG THE ENTIRE HEAD AND JAMB PERIMETER. ATTACHED WITH THIRTY FOUR (34) #8 X 3/4" PPH SMS SPACED AT 6" O/C.



NOTE: 3. LOCATION: ALONG THE ENTIRE HEAD AND JAMB PERIMETER. ATTACHED WITH THIRTY FOUR (34) #8 X 3/4" PPH SMS SPACED AT 6" O/C.

MATERIAL SPECIFICATIONS:

Threshold & Weatherstrip Installation details

NOTE: 4. See Sheet 7 for Bill of Material



CECA DOOR PRODUCTS
Millon, Tennessee 38358

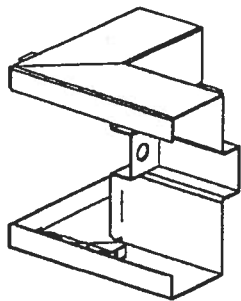
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 5/30/97

RD00087
Sheet 3 Of 7

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE: June 08 2000
BY: [Signature]
PRODUCT COMPLIANCE DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315-03

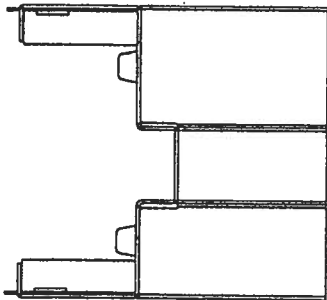
2/2/97	Revised Format, Transferred Information from NOA
7/12/97	Revised Sheet Number

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 03-0411-01
Expiration Date 06/16/2008
By: [Signature]
Miami Trade Product Control Division

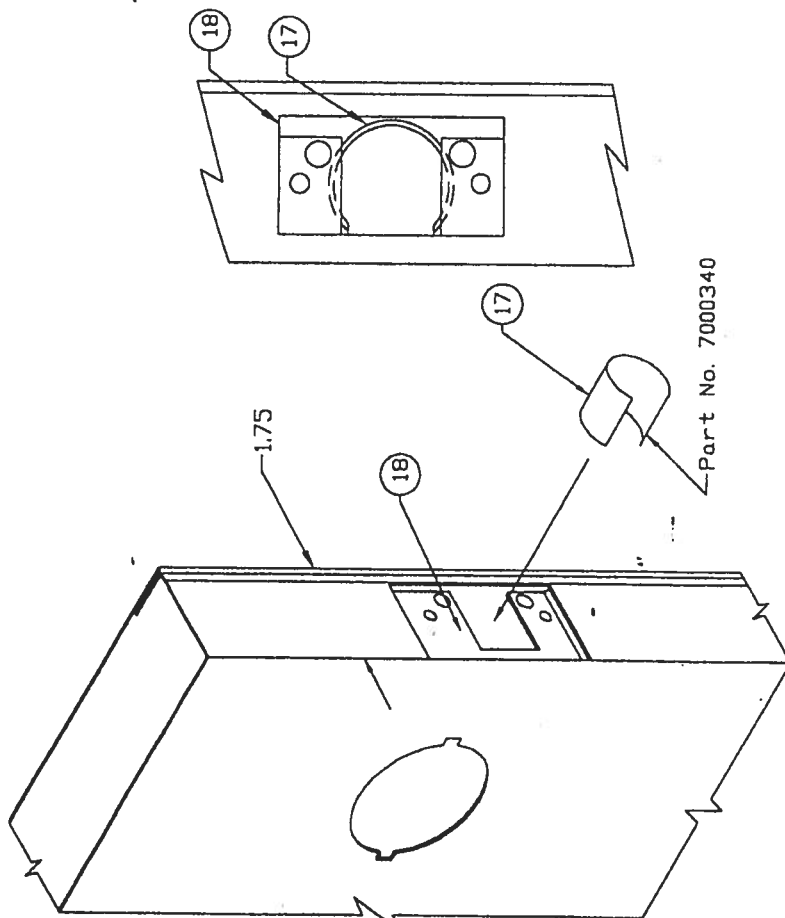


Interlocking Fold Over Tab

Frame Head



Frame Jamb



Part No. 7000340

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0411-01
Expiration Date Aug 19 2008
By: Mauldin
Mauldin/Deade Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE June 08 2000
BY: Mauldin
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315-03

Note: 1. For Cylindrical Lock Only
2. See Sheet 7 For Bill Of Material

MATERIAL SPECIFICATIONS:

Cylindrical Lock Reinforcement
and "SF" Series Frame Corner
Installation Details

 CECO DOOR PRODUCTS
Milan, Tennessee 38358

Revised Format, Transferred
Information from NOA
7/22/97
Revised Sheet Number

ISSUE
DRAWN BY: GWS
DATE: 6/06/97

REVISIONS
DRAWING NUMBER:
RD0087
Sheet 4 of 7

5.75 MIN. DEPTH

1/4" Shim Max

Masonry Line

No Anchors Required

Caulk Perimeter (Exterior & Interior)

Masonry Line

Caulk Perimeter

1.75

See Sheet 3 For Weatherstrip Options

See Sheet 2 For Anchor Options

1.75

Caulk Perimeter

1/4" Shim Max

15

11

13

See Sheet 3 For Threshold Options

Concrete Slab

Section Y-Y

20

22

Bevel Edge

5.75 MIN. DEPTH

13

Mechanical Interlock

14

1/4" Shim Max

Section X-X

Note: See Sheet 7 For Bill Of Material

PRODUCT RENEWED
is complying with the Florida
Building Code
Acceptance No. 02-0411-01
Expiration Date 02-19-2008
By: *Manuel Diaz*
NIBCO/Door Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: *June 08/2000*
BY: *Manuel Diaz*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315-03

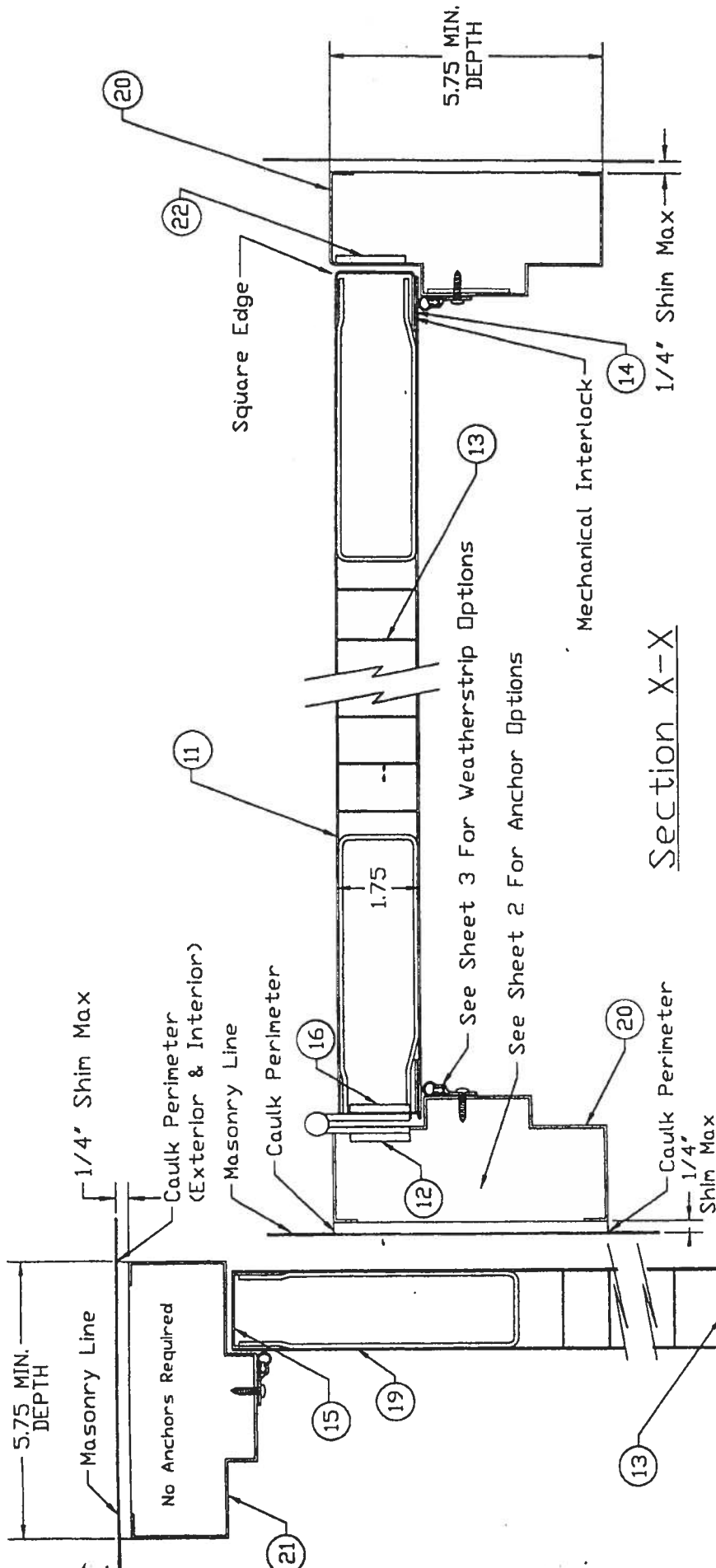
2/24/00 JMR	Revised Form, Transferred Information from MOA
7/22/07 GWS	Revised Sheet Number
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 5/30/97
DRAWING NUMBER: RD0087	Sheet 5 of 7

MATERIAL SPECIFICATIONS:

Cross Section View

Regent Door

 CECO DOOR PRODUCTS
Milan, Tennessee 38358



Section X-X

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE	
DATE: <u>Sept 08, 2000</u>	BY: <u>[Signature]</u>
PRODUCT CONTROL DIV'S OK	
BUILDING CODE COMPLIANCE OFFICE	
ACCEPTANCE NO. <u>20-0310-03</u>	
Revised Formet, Transferred	Revised Sheet Number
7/22/97	6
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 5/30/97
DRAWING NUMBER: RD0087	
Sheet 6 of 7	

Note: See Sheet 7 For Bill Of Material

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 20-0411-01
Expiration Date Aug 14, 2008
By: [Signature]
Miami Pass Product Control
Division

See Sheet 3 For Threshold Options

Concrete Slab

Section Y-Y

MATERIAL SPECIFICATIONS:	Cross Section View
	Omega Door
	CECO DOOR PRODUCTS Millen, Tennessee 38358

ITEM	QTY	DESCRIPTION	MATERIAL	SIZE
1	1	SCHLAGE SERIES A536D GRADE 2, LATCH LOCK, SINGLE LEVER OR KNOB OPERATED		
2	1	HARKS SERIES 170AB GRADE 2, LATCH LOCK, INSIDE/OUTSIDE LEVER OPERATED		
3	1	YALE SERIES A53070 GRADE 2 LATCH LOCK, SINGLE LEVER OR KNOB OPERATED.		
4	1	CAULK FOR INSTALLATION AND WEATHERSTRIP ADAPTER SCREWS FRAME PERIMETER (INSIDE & OUT) AND FRAME SILL CORNERS	GE SILICONE HOUSEHOLD SEALANT	
5	1	NATIONAL GUARD #803S		
6	1	PEMKO #2005AV		
7	1	PEMKO #181AV		
8	1 ROW	PEMKO #303AS HIGH SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPTER WITH A SILICON (TMO) BULB INSERT		
9	1 ROW	NATIONAL GUARD #130NA 1-1/4" WIDE X 0.188" SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPT. WITH A FOAM INSERT		
10	3	HAGAR BB1279, 4-1/2" X 4-1/2" X .0134" THICK STEEL HINGE EACH ATTACHED WITH EIGHT #12-24 X 1/2" FH MS		
11	1	FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A568	COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YIELD STR. OF Fy=36,000 psi)	18 GAUGE (0.042" MIN. THICK)
12	3	HINGE REINFORCING PLATE PLATE SPOT WELDED TO FRAME JAMB AT EACH HINGE LOCATION	STEEL	1-1/4" X 9" X 7 GA.
13	1	CORE: FULL HONEYCOMB CORE PERMANENTLY BONDED TO THE INSIDE OF EACH FACE SKIN WITH NON-FLAMMABLE ADHESIVE	PHENOLIC RESIN-IMPREGNATED KRAFT PAPER	1-1/8" CELL
14	1	DENTLEX 3500 STRUCTURAL ADHESIVE EPOXY		
15	1	ROLL FORMED STEEL CHANNEL ON THE TOP AND BOTTOM OF THE DOOR SPOT WELDED TO EXTERIOR AND GLUED TO INTERIOR SKIN		1" X 1-3/4" X 1" X 16 GA. (0.053" MIN)
16	3	DOOR HINGE REINFORCEMENT		
17	1	DOOR LATCH REINFORCEMENT	28 GA. GALV. STEEL	1-1/4" X 9" X 7 GA.
18	1	DOOR LOCK REINFORCEMENT	16 GA. (0.053" MIN) STEEL	.015" THICK X 1.313 INSIDE DIAMETER
19	1	DOOR CLOSER REINFORCEMENT, ROLLED FORM CHANNELS TACK WELDED TO DOOR END CHANNELS	STEEL	12 GA. (0.093")
20	2	SERIES "SF", FRAME JAMB, DOUBLE RABBIT PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	16 GA. (0.053" MIN) STEEL	2" FACE, 5-3/4" DEPTH MIN.
21	1	SERIES "SF", FRAME HEAD, DOUBLE RABBIT PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	COMMERCIAL QUALITY COLD ROLLED STEEL (MINIMUM YIELD STR. OF Fy=40,000 psi)	2" FACE, 5-3/4" DEPTH MIN.
22	1	JAMB LOCK STRIKE REINFORCING PLATE	STEEL	1-1/8" X 2-1/2" X 12 GA.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE <i>Sept 08, 2000</i> BY <i>Matthew</i> PRODUCT COMPL. DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <i>00-03 11-03</i>		Revised Format, Transferred Information from NOA 2/22/97 A Revised Sheet Number GWS ISSUE REVISIONS DRAWN BY: GWS DATE: 6/02/97
PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. <i>02-0411-01</i> Expiration Date: <i>08/04/2008</i> By: <i>Matthew</i> Division: <i>Product Control</i>		MATERIAL SPECIFICATIONS: 3-0 x 7-0 Series Bill Of Materials  CECO DOOR PRODUCTS Milon, Tennessee 38358
		DRAWING NUMBER: RDO087 Sheet 7 of 7



Architectural Testing

**ANSI/AAMA/NWDA 101/I.S.2-97
TEST REPORT**

Rendered to:

MI HOME PRODUCTS, INC.

**SERIES/MODEL: 480/680/880 Drop-in
PRODUCT TYPE: Aluminum Horizontal
Sliding Window (XO-Fin)**

Title	Results	
	Test Specimen #1	Test Specimen #2
Rating	HS-C30 71 x 71	HS-C40 71 x 59
Operating Force	11 lbf max.	14 lbf max.
Air Infiltration	0.11 cfm/ft ²	0.09 cfm/ft ²
Water Resistance Test Pressure	5.3 psf	6.0 psf
Uniform Load Deflection Test Pressure	± 30.0 psf	+ 45.0 psf -47.2 psf
Uniform Structural Load Test Pressure	± 45.0 psf	+ 67.5 psf -70.8 psf
Forced Entry Resistance	Grade 10	Grade 10

Reference should be made to ATI Report Identification No. 01-47320.03 for complete test specimen description and data.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com



Architectural Testing

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

Rendered to:

MI HOME PRODUCTS, INC.
P.O. Box 370
650 West Market Street
Gratz, Pennsylvania 17030-0370

ATI Report Identification No.: 01-47320.03

Test Dates: 10/07/03
Through: 10/08/03
And: 12/01/03
And: 12/15/03
And: 03/17/04
Report Date: 04/16/04
Expiration Date: 10/07/07

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to witness testing on two Series/Model 480/680/880 Drop-in, aluminum horizontal sliding windows at MI Home Products, Inc. test facility in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: HS-C30 71 x 71; Test Specimen #2: HS-C40 71 x 59. Test specimen description and results are reported herein.

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

Test Specimen Description:

Series/Model: 480/680/880 Drop-in

Product Type: Aluminum Horizontal Sliding Window (XO Fin)

Test Specimen #1: HS-C30 71 x 71

Overall Size: 5' 11-7/16" wide by 5' 11" high

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

Fixed Daylight Opening Size: 2' 8-3/16" wide by 5' 5-5/8" high

Screen Size: 2' 10" wide by 5' 6-1/2" high

Test Specimen Description: (Continued)

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.250" high by 0.187" backed polypile with center fin	1 Row	Active sash top and bottom rails and fixed meeting rail interlock
0.250" high by 0.187" backed polypile with center fin	2 Rows	Jamb stile

Test Specimen #2: HS-C40 71 x 59

Overall Size: 5' 11-3/8" wide by 4' 11-1/8" high

Active Sash Size: 2' 11-5/8" wide by 4' 8-1/4" high

Fixed Daylight Opening Size: 2' 8-1/4" wide by 4' 5-7/8" high

Screen Size: 2' 10-1/4" wide by 4' 7-1/8" high

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.310" high by 0.187" backed polypile with center fin	1 Row	Active sash top and bottom rails
0.250" high by 0.187" backed polypile with center fin	1 Rows	Fixed meeting rail interlock
0.310" high by 0.187" backed polypile with center fin	2 Rows	Jamb stile
0.550" high by 1" by 1" backed polypile pad	1 Pad	Corner of bottom rail and locking stile

Test Specimen Description: (Continued)

The following descriptions apply to all specimens.

Finish: All aluminum was white.

Glazing Details: The window utilized 5/8" thick sealed insulating glass constructed from two sheets of 1/8" thick clear annealed glass and a Swiggle spacer system. The lites were interior glazed onto double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

Frame Construction: The frame was constructed of thermally broken extruded aluminum. The corners were secured utilizing three #8 x 1" screws per corner through the jambs into the head and sill screw bosses. End caps were utilized on the ends of the fixed meeting rails and secured with two #8 x 3/4" screws per cap. The meeting rails were then secured to the frame with two #8 x 3/4" screws.

Sash Construction: The sash was constructed of thermally broken extruded aluminum. The corners were secured utilizing one #8 x 1" screw per corner through the head and sill into the jambs screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible vinyl spline.

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Cam lock	1	One midspan of active panel with integral lock keeper on fixed meeting stile
Roller assembly	2	One each end of bottom rail
Screen constant force spring	2	5" from rails on screen stiles
Screen lift handles	2	5" from rails on screen stiles

Drainage:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
1-1/4" long by 1/4" wide weepslot with cover	2	3-1/2" from jambs on sill face
1/2" long by 1/8" wide weepslot	2	2" from jambs on sill track

Reinforcement: No reinforcement was utilized.

Installation: The window was installed into a #2 Spruce-Pine-Fir wood buck. The window was secured utilizing #8 x 1-5/8" drywall screws located in corners and 12" on center around nail-fin perimeter. Silicone was utilized 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>
<u>Test Specimen #1:</u> HS-C30 71 x 71			
2.2.2.5.1	Operating Force	11 lbf	25 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.11 cfm/ft ²	0.3 cfm/ft ² max.

***Note #1:** The tested specimen meets the performance levels specified in ANSI/AAMA/NWDA 101/I.S. 2-97 for air infiltration.*

2.1.3	Water Resistance per ASTM E 547-00 (with and without screen) 4.50 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds) 30.0 psf (positive) 30.0 psf (negative)	0.75" 0.71"	See Note #2 See Note #2

***Note #2:** The Uniform Load Deflection test is not requirement of ANSI/AAMA/NWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.*

2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds) 45.0 psf (positive) 45.0 psf (negative)	0.13" <0.01"	0.26" max. 0.26" max.
2.2.2.5.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Handle stile	0.13"/25%	0.50"/100%
	Lock stile	0.19"/38%	0.50"/100%
	In remaining direction - 50 lbs		
	Top rail	0.09"/19%	0.50"/100%
	Bottom rail	0.06"/13%	0.50"/100%

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #1:</u> HS-C30 71 x 71 (Continued)			
2.1.8	Forced Entry Resistance per ASTM F 588		
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
<u>Optional Performance</u>			
4.3	Water Resistance per ASTM E 547-00 (with and without screen) 5.3 psf	No leakage	No leakage
<u>Test Specimen #2:</u> HS-C40 71 x 59			
2.2.2.5.1	Operating Force	14 lbf	25 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.09 cfm/ft ²	0.3 cfm/ft ² max.
<i>Note #1: The tested specimen meets the performance levels specified in ANSI/AAMA/NWDA 101/I.S. 2-97 for air infiltration.</i>			
2.1.3	Water Resistance per ASTM E 547-00 (with and without screen) 4.50 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds) 30.0 psf (positive) 30.0 psf (negative)	0.62" 0.51"	See Note #2 See Note #2
2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds) 45.0 psf (positive) 45.0 psf (negative)	0.03" 0.04"	0.21" max. 0.21" max.



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Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<u>Test Specimen #2: HS-C40 71 x 59 (Continued)</u>			
2.2.2.5.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Handle stile	0.13"/25%	0.50"/100%
	Lock stile	0.13"/25%	0.50"/100%
	In remaining direction - 50 lbs		
	Top rail	0.03"/6%	0.50"/100%
	Bottom rail	0.03"/6%	0.50"/100%
2.1.8	Forced Entry Resistance per ASTM F 588		
	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
<u>Optional Performance</u>			
4.3	Water Resistance per ASTM E 547-00 (with and without screen) 6.0 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	45.0 psf (positive)	0.62"	See Note #2
	47.2 psf (negative)	0.54"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	67.5 psf (positive)	0.04"	0.21" max.
	70.8 psf (negative)	0.08"	0.21" 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 from the original test date. 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. This report may not be reproduced except in full without approval of Architectural Testing.

For ARCHITECTURAL TESTING, INC.



Digitally Signed by: Eric Westphal

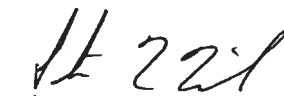
Eric Westphal
Technician

EW:dmc
01-47320.03



Digitally Signed by: Steven M. Urich

Steven M. Urich, P. E.
Senior Project Engineer


APRIL 20, 2004



January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

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

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

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4600.

TAMKO Roofing Products, Inc.