

DATE 08/03/2006

Columbia County Building Permit

PERMIT
000024826

This Permit Expires One Year From the Date of Issue

APPLICANT TRENT GIEBEIG PHONE 397-0545
ADDRESS 462 SW FAIRLINGTON COURT LAKE CITY FL 32055
OWNER PETE GIEGEIG PHONE 752-7968
ADDRESS 265 SW LUCILLE COURT LAKE CITY FL 32024
CONTRACTOR TRENT GIEBEIG PHONE 397-0545
LOCATION OF PROPERTY 247S, TR ON MAYFAIR LANE, TR ON LUCILLE COURT, HOUSE
AT END
TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 77800.00
HEATED FLOOR AREA 1556.00 TOTAL AREA 2273.00 HEIGHT STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT 16
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 11-4S-16-02914-323 SUBDIVISION MAYFAIR
LOT 23 BLOCK PHASE 3 UNIT TOTAL ACRES

000001174 RR28281153
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT 06-0635-N BK JH Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 1890

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 390.00 CERTIFICATION FEE \$ 11.37 SURCHARGE FEE \$ 11.37
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 512.74
INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Corrected Notice of Commencement

NOTICE OF COMMENCEMENT

Inst:2006018309 Date:08/02/2006 Time:13:14

AKA DC, P. DeWitt Cason, Columbia County B:1091 P:1445

STATE OF: Florida
COUNTY OF: Columbia

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

1. Description of Property: Lot #23 May Fair Unit III
265 SW Lucille Court
Lake City, Fl. 32024
2. General Description of Improvement: Construction of Single Family Residence
3. Owner Information:
 - a. Name and Address: Peter W. Giebeig
P.O. Box 1384 Lake City, FL 32056
 - b. Interest in Property: Fee Simple
 - c. Name and Address of Fee Simple titleholder (if other than Owner):
4. Contractor (Name and Address): Trent Giebeig Construction, Inc.
462 SW Fairlington Court Lake City, Fl. 32025
5. Surety:
 - a. Name and Address: N/A
 - b. Amount of Bond:
6. Lender (Name and Address): N/A
7. Persons within the State of Florida designated by Owner upon notices or other documents may be Served as provided by 713.13 (1)(a)(7), Florida Statutes.
N/A
8. In addition to himself, the Owner designates the following person to receive a copy of the Lienor's Notice as provided in 713.13 (1)(b), Florida Statutes (Name and Address):
N/A
9. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of Recording unless a different date is specified):

Type Owner Name: _____

Peter W. Giebeig
Type Owner Name: Peter W. Giebeig

Elaine K. Tolar
Witness #1 ELAINE K TOLAR

Marsha A. Dumas
Witness #2
MARSHA A. Dumas

Sworn to and subscribed before me by the
Owner (s) on this 1st day of Aug. 2006

Elaine K. Tolar
Type Name: ELAINE K TOLAR
Notary Public, State of Florida
COMMISSION EXPIRY / NUMBER:

Personally Known PETER W. Giebeig
Produced Identification
Did Take an Oath / Did Not Take an Oath



Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0607-76 Date Received 7/28/06 By G Permit # 1174/24826
 Application Approved by - Zoning Official BLK Date 8.08.06 Plans Examiner OKJTH Date 8-2-06
 Flood Zone Xp-1st Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Low Dens.
 Comments See PLAN FOR SITE PLAN

Applicants Name Trent Gieberg's Construction Inc Phone 397-0545
 Address 462 SW Fairington Ct Lake City FL
 Owners Name ~~Trent Gieberg's Construction Inc~~ Pete Gieberg Phone 752-7968
 911 Address 265 SW Lucille Court Lake City 32024
 Contractors Name Trent Gieberg Phone 397-0545
 Address 462 SW Fairington Ct Lake City FL
 Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address Freeman Design Group
 Mortgage Lenders Name & Address _____

Circle the correct power company - FL Power & Light Clay Elec. Suwannee Valley Elec. Progressive Energy
 Property ID Number 11-45-16-02911-323 Estimated Cost of Construction 53,000
 Subdivision Name Mayfair 02911-323 Lot 23 Block _____ Unit _____ Phase III
 Driving Directions 247 South right into Mayfair
turn right SW Lucille Court house at end

Type of Construction frame Number of Existing Dwellings on Property _____
 Total Acreage _____ Lot Size .51 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 27' Side 68'9" Side 21'4" Rear 34'3"
 Total Building Height 16' Number of Stories 1 Heated Floor Area 1556 Roof Pitch 6/12
Porch 264 GARAGE 453 TOTAL 2,273

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.

Trent Gieberg's Construction Inc
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 28th day of July 2006.

Personally known X or Produced Identification _____

Contractor Signature Trent Gieberg
 Contractors License Number RR282811523
 Competency Card Number 5754
 NOTARY STAMP



Notary Signature Elaine K. Tolar

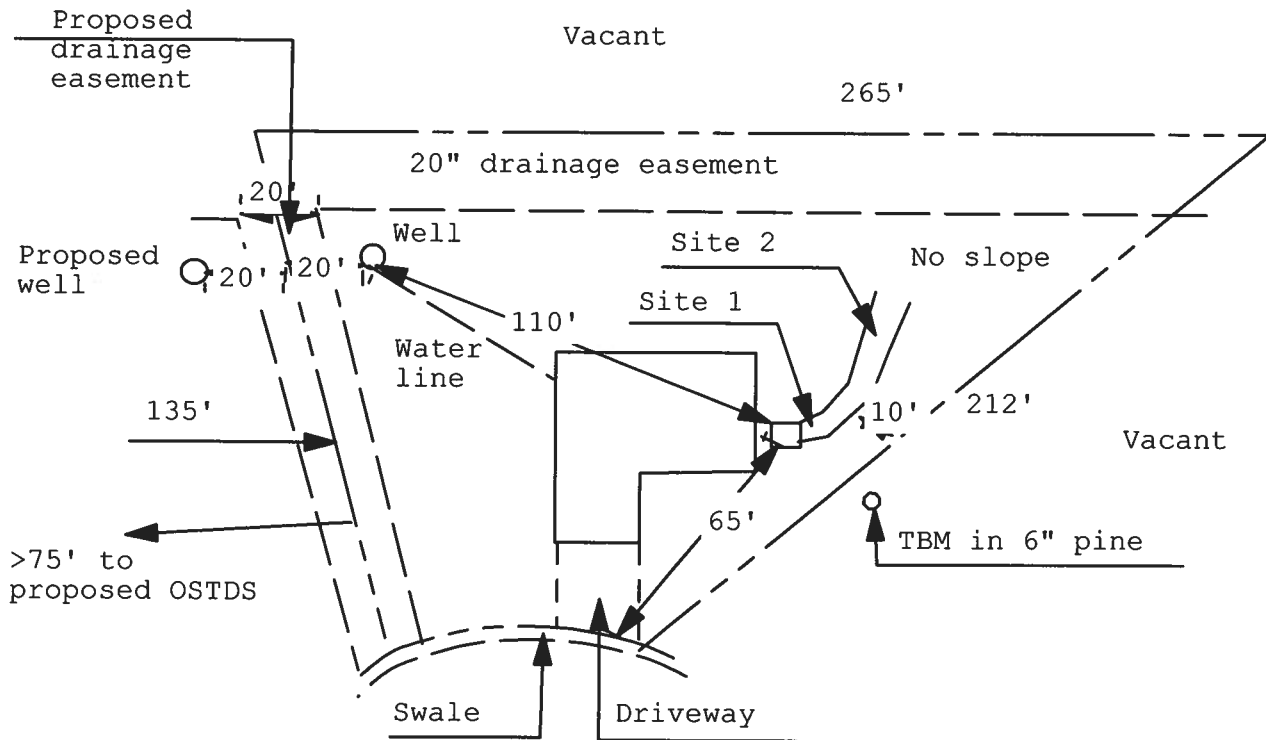
**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 06-0635N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GIEBEIG/CR 05-3589



May-Fair Unit 3, Lot 23



1 inch = 50 feet

Site Plan Submitted By Paul Lepp Date 6/23/06
 Plan Approved ☒ Not Approved ☐ Date 7/17/06

By Mr. J. H. Columbia CPHU

Notes: _____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **May- Fair Lot 23**
 Address: **Lot: 23, Sub: May Fair, Plat:**
 City, State: **Lake City, FL 32055-**
 Owner: **Giebeig, Pete**
 Climate Zone: **North**

Builder: **Trent Giebeig**
 Permitting Office: **Columbia**
 Permit Number: **24826**
 Jurisdiction Number: **221000**

1. New construction or existing	New	___	12. Cooling systems		
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 32.0 kBtu/hr	___
3. Number of units, if multi-family	1	___		SEER: 13.00	___
4. Number of Bedrooms	3	___	b. N/A		___
5. Is this a worst case?	Yes	___	c. N/A		___
6. Conditioned floor area (ft ²)	1556 ft ²	___	13. Heating systems		
7. Glass area & type	Single Pane Double Pane	___	a. Electric Heat Pump	Cap: 32.0 kBtu/hr	___
a. Clear glass, default U-factor	0.0 ft ² 126.0 ft ²	___		HSPF: 8.00	___
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, 212.0(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, 1696.0 ft ²	___	(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, 1732.8 ft ²	___	MZ-C-Multizone cooling,		
b. N/A		___	MZ-H-Multizone heating)		
c. N/A		___			
11. Ducts		___			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 56.0 ft	___			
b. N/A		___			

Glass/Floor Area: 0.08

Total as-built points: 20199

Total base points: 26279

PASS

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

PREPARED BY: Trent Giebeig
 DATE: 7/19/06

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: Lot: 23, Sub: May Fair, Plat: , Lake City, FL, 32055-

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	1556.0	20.04	5612.8	Double, Clear	E	1.5	6.0	30.0	42.06	0.91	1151.8			
				Double, Clear	E	1.5	6.0	15.0	42.06	0.91	575.9			
				Double, Clear	W	1.5	7.0	48.0	38.52	0.94	1736.2			
				Double, Clear	N	1.5	7.0	24.0	19.20	0.96	440.1			
				Double, Clear	W	1.5	3.0	4.0	38.52	0.73	112.5			
				Double, Clear	N	1.5	2.0	5.0	19.20	0.76	72.6			
				As-Built Total:				126.0		4089.1				
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		1696.0		1.50		2544.0	
Exterior	1696.0	1.70	2883.2											
Base Total:		1696.0	2883.2	As-Built Total:				1696.0		2544.0				
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points										
Adjacent	0.0	0.00	0.0	Exterior Wood				81.6		6.10		497.8		
Exterior	102.0	6.10	622.2	Exterior Wood				20.4		6.10		124.4		
Base Total:		102.0	622.2	As-Built Total:				102.0		622.2				
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points										
Under Attic	1556.0	1.73	2691.9	Under Attic			30.0		1732.8		1.73 X 1.00		2997.7	
Base Total:		1556.0	2691.9	As-Built Total:				1732.8		2997.7				
FLOOR TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points										
Slab	212.0(p)	-37.0	-7844.0	Slab-On-Grade Edge Insulation			0.0		212.0(p)		-41.20		-8734.4	
Raised	0.0	0.00	0.0											
Base Total:			-7844.0	As-Built Total:				212.0		-8734.4				
INFILTRATION Area X BSPM = Points				Area X SPM = Points										
		1556.0	10.21					1556.0		10.21		15886.8		

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: Lot: 23, Sub: May Fair, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE					AS-BUILT										
Summer Base Points: 19852.8					Summer As-Built Points: 17405.4										
Total Summer Points	X	System Multiplier	=	Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	=	Cooling Points
					(DM x DSM x AHU)										
19852.8		0.4266		8469.2	17405.4		1.000		(1.090 x 1.147 x 0.91)		0.263		0.857		4457.4
					17405.4		1.00		1.138		0.263		0.857		4457.4

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: May Fair, Plat: , Lake City, Fl, 32055-

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	1556.0	12.74	3568.2	Double, Clear	E	1.5	6.0	30.0	18.79	1.04	583.8
				Double, Clear	E	1.5	6.0	15.0	18.79	1.04	291.9
				Double, Clear	W	1.5	7.0	48.0	20.73	1.02	1011.3
				Double, Clear	N	1.5	7.0	24.0	24.58	1.00	590.8
				Double, Clear	W	1.5	3.0	4.0	20.73	1.08	89.9
				Double, Clear	N	1.5	2.0	5.0	24.58	1.01	124.7
				As-Built Total:			126.0			2692.3	
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			1696.0	3.40	5766.4	
Exterior	1696.0	3.70	6275.2								
Base Total:				1696.0			6275.2			As-Built Total:	
							1696.0			5766.4	
DOOR TYPES Area X BWPM = Points				Type				Area X WPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Wood				81.6	12.30	1003.7	
Exterior	102.0	12.30	1254.6	Exterior Wood				20.4	12.30	250.9	
Base Total:				102.0			1254.6			As-Built Total:	
							102.0			1254.6	
CEILING TYPES Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	1556.0	2.05	3189.8	Under Attic	30.0			1732.8	2.05 X 1.00	3552.2	
Base Total:				1556.0			3189.8			As-Built Total:	
							1732.8			3552.2	
FLOOR TYPES Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	212.0(p)	8.9	1886.8	Slab-On-Grade Edge Insulation	0.0			212.0(p)	18.80	3985.6	
Raised	0.0	0.00	0.0								
Base Total:				1886.8			As-Built Total:			212.0	
							212.0			3985.6	
INFILTRATION Area X BWPM = Points							Area X WPM = Points				
1556.0 -0.59 -918.0							1556.0 -0.59 -918.0				

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: May Fair, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		15256.6		Winter As-Built Points:				16333.1			
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Heating Points	
						(DM x DSM x AHU)					
15256.6		0.6274	9572.0	16333.1	1.000	(1.069 x 1.169 x 0.93)			0.426	0.950	7686.6
				16333.1	1.00	1.162	0.426	0.950		7686.6	

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

ADDRESS: Lot: 23, Sub: May Fair, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank X Ratio	Multiplier X Credit	= Total Multiplier
3		2746.00	8238.0	50.0	0.90	3	1.00	2684.98	1.00 8054.9
				As-Built Total:					8054.9

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
8469		9572		8238 26279	4457		7687		8055 20199

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: May Fair, Plat: , Lake City, FL, 32055-

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* = 87.3

The higher the score, the more efficient the home.

Giebeig, Pete, Lot: 23, Sub: May Fair, Plat: , Lake City, FL 32055-

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 32.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	1556 ft ²	___		___
7. Glass area & type	Single Pane	Double Pane		___
a. Clear - single pane	0.0 ft ²	126.0 ft ²	13. Heating systems	
b. Clear - double pane	0.0 ft ²	0.0 ft ²	a. Electric Heat Pump	Cap: 32.0 kBtu/hr
c. Tint/other SHGC - single pane	0.0 ft ²	0.0 ft ²		HSPF: 8.00
d. Tint/other SHGC - double pane			b. N/A	___
8. Floor types			c. N/A	___
a. Slab-On-Grade Edge Insulation	R=0.0, 212.0(p) ft	___		___
b. N/A	___		14. Hot water systems	
c. N/A	___		a. Electric Resistance	Cap: 50.0 gallons
9. Wall types				EF: 0.90
a. Frame, Wood, Exterior	R=13.0, 1696.0 ft ²	___	b. N/A	___
b. N/A	___			___
c. N/A	___		c. Conservation credits	___
d. N/A	___		(HR-Heat recovery, Solar	
e. N/A	___		DHP-Dedicated heat pump)	
10. Ceiling types			15. HVAC credits	MZ-C, PT, CF, ___
a. Under Attic	R=30.0, 1732.8 ft ²	___	(CF-Ceiling fan, CV-Cross ventilation,	
b. N/A	___		HF-Whole house fan,	
c. N/A	___		PT-Programmable Thermostat,	
11. Ducts			MZ-C-Multizone cooling,	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 56.0 ft	___	MZ-H-Multizone heating)	
b. N/A	___			

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

Builder Signature: _____ Date: _____

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



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

Energy Gauge For Version: FLRCPB v3.30)

Residential System Sizing Calculation

Summary

Giebeig, Pete

Project Title:
May- Fair Lot 23

Code Only
Professional Version
Climate: North

Lake City, FL 32055-

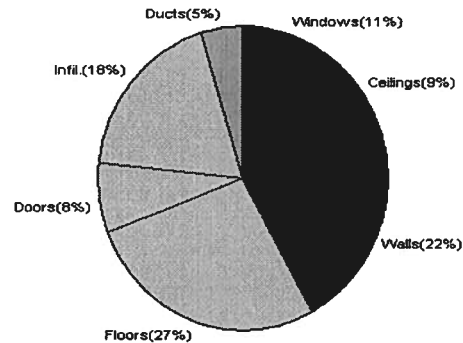
7/19/2006

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	24368 Btuh	Total cooling load calculation	23459 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	131.3 32000	Sensible (SHR = 0.5)	84.5 16000
Heat Pump + Auxiliary(0.0kW)	131.3 32000	Latent	352.9 16000
		Total (Electric Heat Pump)	136.4 32000

WINTER CALCULATIONS

Winter Heating Load (for 1556 sqft)

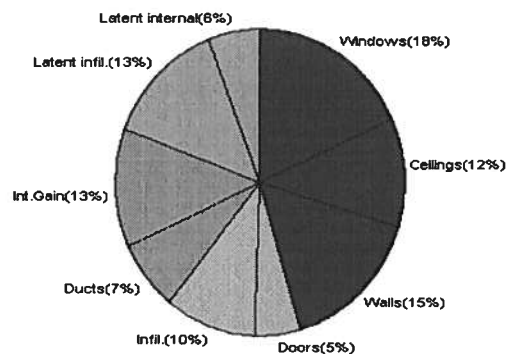
Load component		Load	
Window total	126 sqft	2709	Btuh
Wall total	1696 sqft	5258	Btuh
Door total	102 sqft	1830	Btuh
Ceiling total	1733 sqft	2253	Btuh
Floor total	212 ft	6699	Btuh
Infiltration	104 cfm	4459	Btuh
Subtotal		23207	Btuh
Duct loss		1160	Btuh
TOTAL HEAT LOSS		24368	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1556 sqft)

Load component		Load	
Window total	126 sqft	4318	Btuh
Wall total	1696 sqft	3629	Btuh
Door total	102 sqft	1253	Btuh
Ceiling total	1733 sqft	2703	Btuh
Floor total		0	Btuh
Infiltration	91 cfm	2301	Btuh
Internal gain		3000	Btuh
Subtotal(sensible)		17205	Btuh
Duct gain		1720	Btuh
Total sensible gain		18925	Btuh
Latent gain(infiltration)		3154	Btuh
Latent gain(internal)		1380	Btuh
Total latent gain		4534	Btuh
TOTAL HEAT GAIN		23459	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: *John Giebeig*
DATE: *7/19/06*

System Sizing Calculations - Winter

Residential Load - Component Details

Giebeig, Pete

Project Title:
May- Fair Lot 23

Code Only
Professional Version
Climate: North

Lake City, FI 32055-

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

7/19/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Wood, DEF	N	30.0	21.5	645 Btuh
2	2, Clear, Wood, DEF	N	15.0	21.5	322 Btuh
3	2, Clear, Wood, DEF	S	48.0	21.5	1032 Btuh
4	2, Clear, Wood, DEF	W	24.0	21.5	516 Btuh
5	2, Clear, Wood, DEF	S	4.0	21.5	86 Btuh
6	2, Clear, Wood, DEF	W	5.0	21.5	108 Btuh
Window Total			126		2709 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1696	3.1	5258 Btuh
Wall Total			1696		5258 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		82	17.9	1464 Btuh
2	Wood - Exter		20	17.9	366 Btuh
Door Total			102		1830Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1733	1.3	2253 Btuh
Ceiling Total			1733		2253Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	212.0 ft(p)	31.6	6699 Btuh
Floor Total			212		6699 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	15560(sqft)	104	4459 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				104	4459 Btuh

Totals for Heating	Subtotal	23207 Btuh
	Duct Loss(using duct multiplier of 0.05)	1160 Btuh
	Total Btuh Loss	24368 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

Giebeig, Pete

Project Title:
May- Fair Lot 23

Code Only
Professional Version
Climate: North

Lake City, FL 32055-

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 7/19/2006

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	6	30.0	0.0	30.0	24	24	720 Btuh	
2	2, Clear, DEF, N, N	N	1.5	6	15.0	0.0	15.0	24	24	360 Btuh	
3	2, Clear, DEF, N, N	S	1.5	7	48.0	48.0	0.0	24	39	1152 Btuh	
4	2, Clear, DEF, N, N	W	1.5	7	24.0	0.0	24.0	24	74	1776 Btuh	
5	2, Clear, DEF, N, N	S	1.5	3	4.0	4.0	0.0	24	39	96 Btuh	
6	2, Clear, DEF, N, N	W	1.5	2	5.0	3.1	1.9	24	74	214 Btuh	
Window Total				126					4318 Btuh		
Walls	Type	R-Value			Area		HTM		Load		
	1	Frame - Exterior			13.0		1696.0		2.1		3629 Btuh
	Wall Total				1696.0				3629 Btuh		
Doors	Type	R-Value			Area		HTM		Load		
	1	Wood - Exter			81.6		12.3		1002 Btuh		
	2	Wood - Exter			20.4		12.3		251 Btuh		
Door Total					102.0				1253 Btuh		
Ceilings	Type/Color	R-Value			Area		HTM		Load		
	1	Under Attic/Dark			30.0		1732.8		1.6		2703 Btuh
	Ceiling Total				1732.8				2703 Btuh		
Floors	Type	R-Value			Size		HTM		Load		
	1	Slab-On-Grade Edge Insulation			0.0		212.0 ft(p)		0.0		0 Btuh
	Floor Total				212.0				0 Btuh		
Infiltration	Type	ACH			Volume		CFM=		Load		
	Natural	0.35			15560		90.9		2301 Btuh		
	Mechanical						0		0 Btuh		
	Infiltration Total						91		2301 Btuh		

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

Totals for Cooling	Subtotal	17205 Btuh
	Duct gain(using duct multiplier of 0.10)	1720 Btuh
	Total sensible gain	18925 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	3154 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
TOTAL GAIN		23459 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)

EnergyGauge FLRCPB v3.30

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001174

DATE 08/03/2006 PARCEL ID # 11-4S-16-02914-323

APPLICANT TRENT GIEBEIG PHONE 397-0545

ADDRESS 462 SW FAIRLINGTON COURT LAKE CITY FL 32055

OWNER PETE GIEBEIG PHONE 752-7968

ADDRESS 265 SW LUCILLE COURT LAKE CITY FL 32024

CONTRACTOR TRENT GIEBEIG PHONE 397-0545

LOCATION OF PROPERTY 247S, TR ON MAYFAIR LANE, TR ON LUCILLE COURT, HOUSE AT END

SUBDIVISION/LOT/BLOCK/PHASE/UNIT MAYFAIR 23 3

SIGNATURE

INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

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

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

Amount Paid 25.00





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 1-800-641-4661.

TAMKO Roofing Products, Inc.



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.

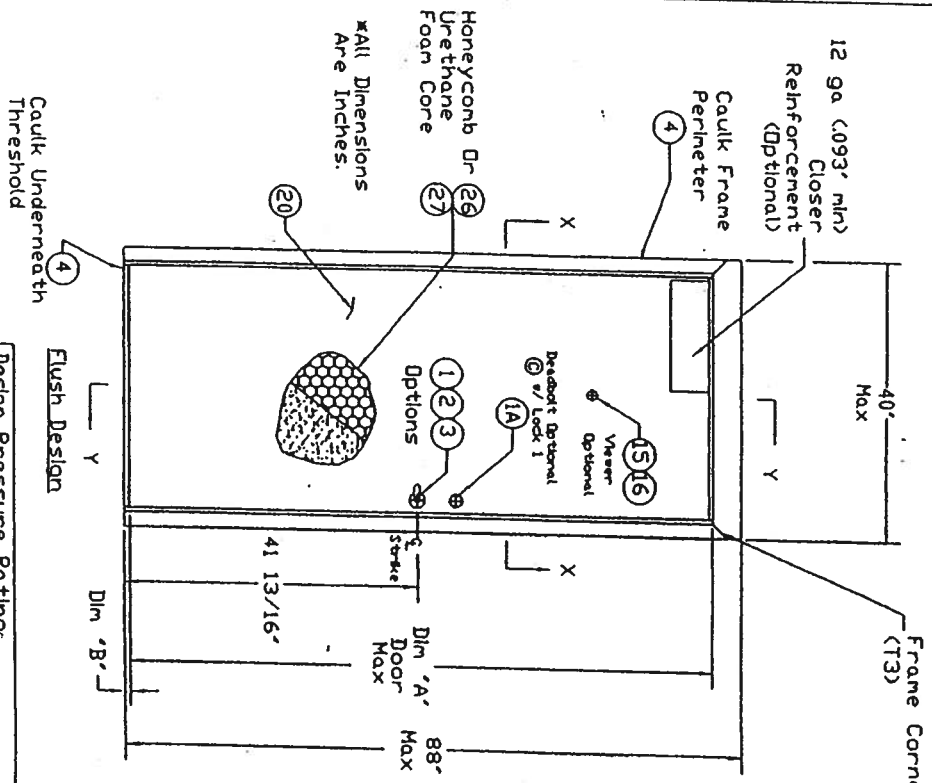
INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

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.

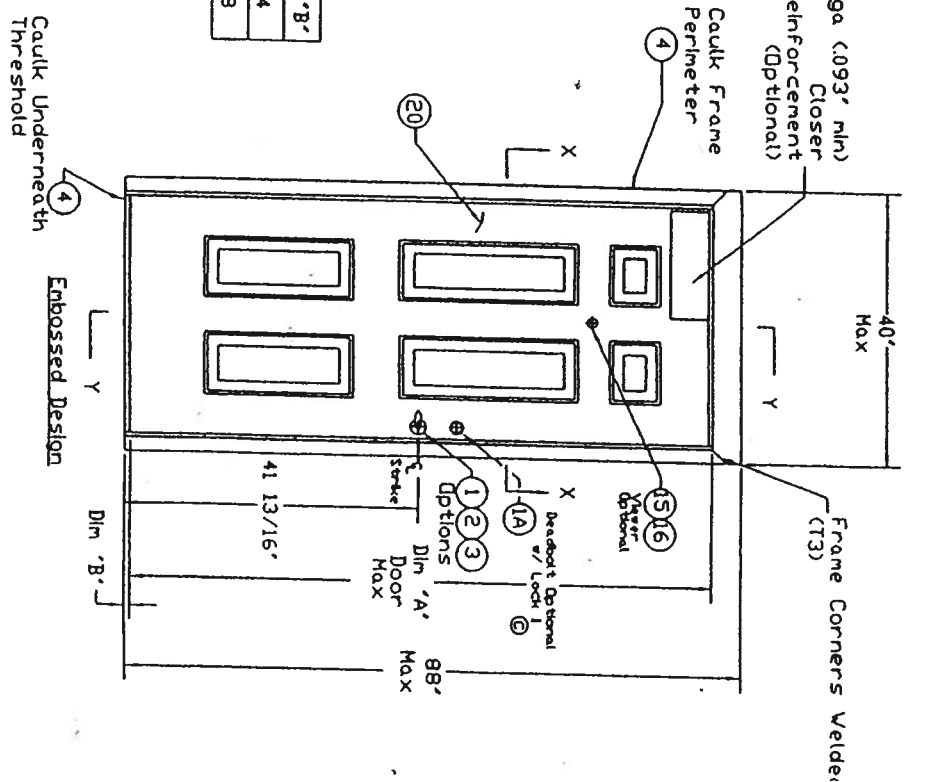


NOA No 02-0807.04
Expiration Date: October 31, 2007
Approval Date: October 31, 2002
Page 1



	Din 'A'	Din '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: 06/24/04 31, 2003
NOA: 02-0607-04
Niall Dooley Product Control
by: [Signature]



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

Notes:

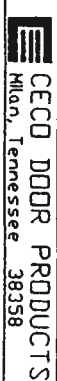
- 1) In-swing Not Approved For Water Infiltration
- 2) This Door Does Not Need A Hurricane Protection System
- 3) Hinge Spacing Is 33" OC, 13" From Top Of Frame & 9" From The Bottom.

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

MATERIAL SPECIFICATIONS:

Finish: Rust Inhibitive Primer

3-0 x 7-0 Series
Regent, Omega, Imperial, & Versadoor
In-Swing Elevation Drawing



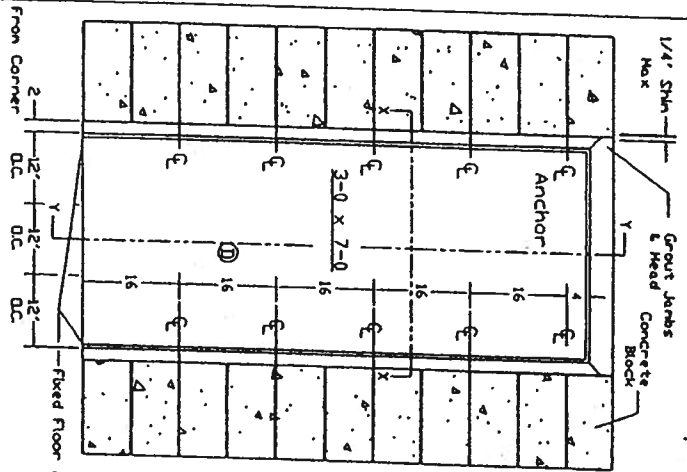
Milan, Tennessee 38358

REVISIONS	DATE	BY
1	5/22/02	LT
2		
3		

DRAWING NUMBER:
RD0728
Sheet 1 of 9

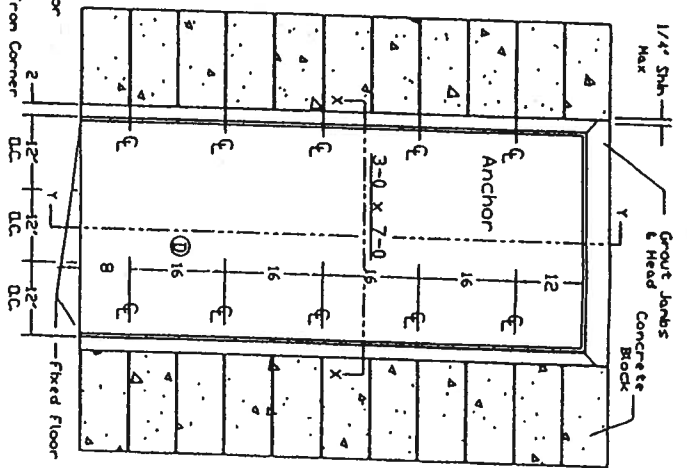
Masonry 'T' Anchor

Mn. 3500 PSI



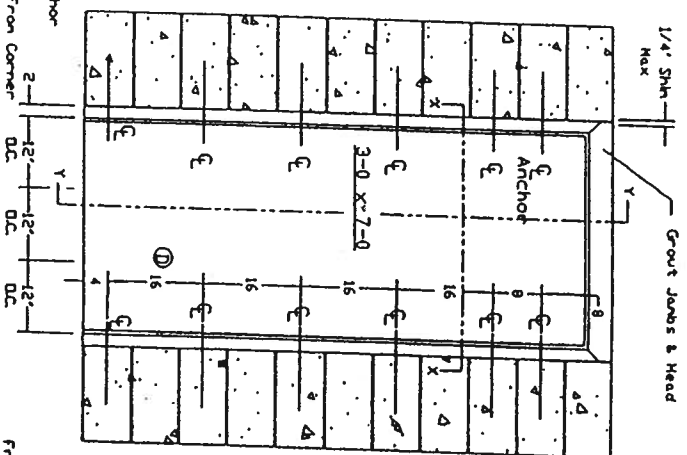
Masonry Wire Anchor

Mn. 3500 PSI

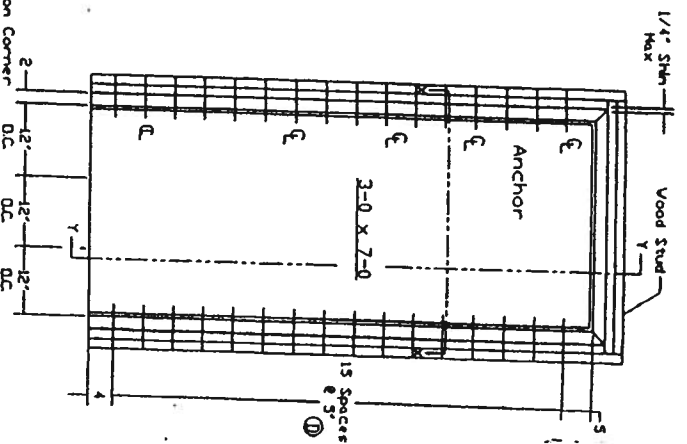


Existing Opening V/Lockbolt or Sleeve Anchor Into Block

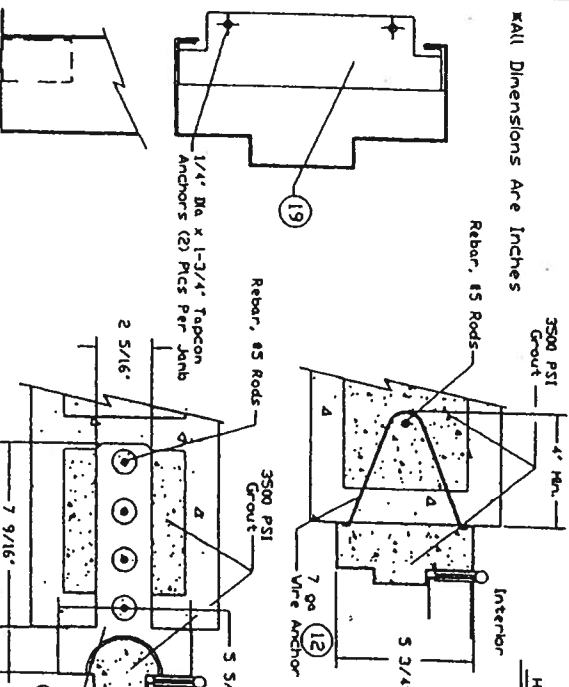
Mn. 3500 PSI



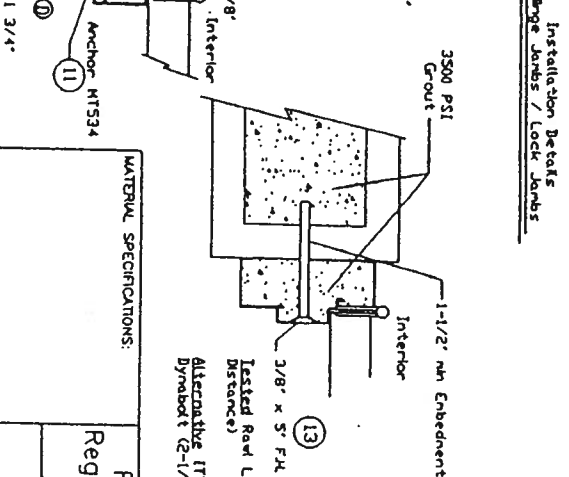
Existing Opening Anchor Into Wood Stud



ALL Dimensions Are Inches



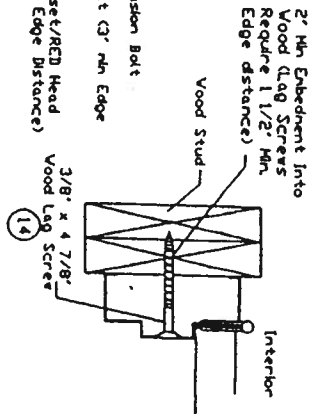
Installation Details
Hinge Joints / Lock Joints



MATERIAL SPECIFICATIONS:

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

CECO DOOR PRODUCTS
Milan, Tennessee 38358

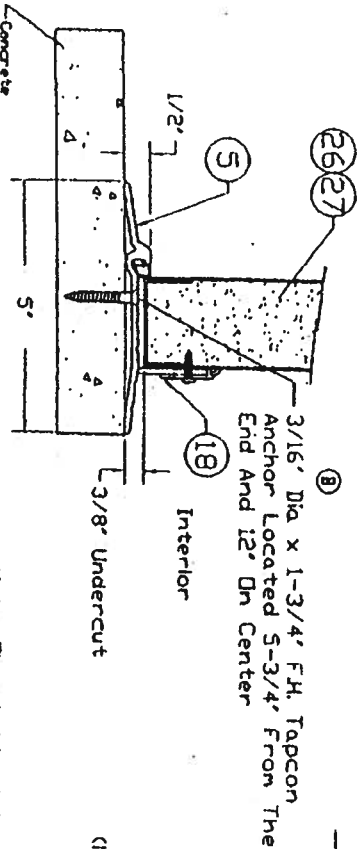


Approved as complying with the
Florida Building Code
Date: 02/11/2003
MOM: 02-03-07-04
Miami-Dade Technical Control
Division
By: [Signature] Claudia

ISSUE: 1
DATE: 5/22/02
REVISIONS:
A: Revised Per Marked
LT: [Signature] Ishag Chanda.

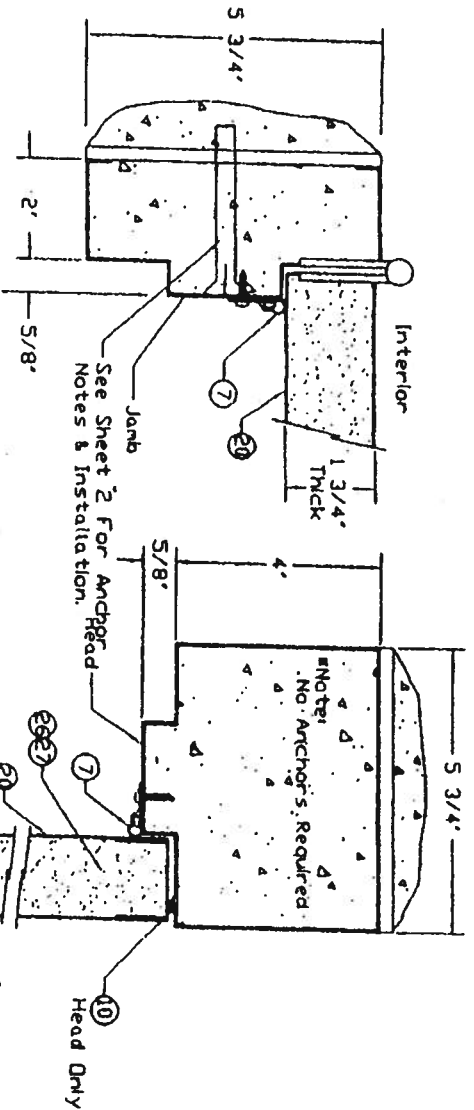
DRAWING NUMBER:
RD0728
Sheet 2 of 9

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

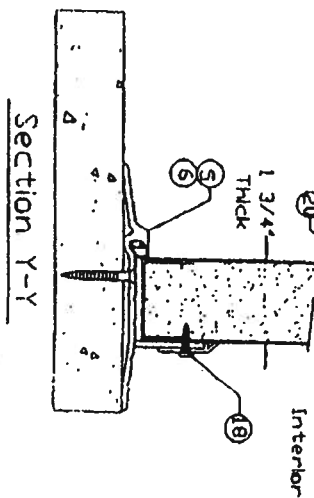


Threshold: Perko 2005AAY

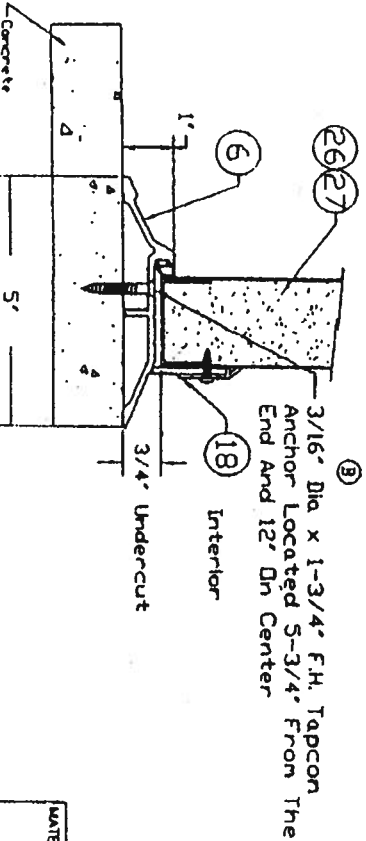
Note: Thresholds Not Approved For Water.



Inswing
(Not Approved For Water)



Section Y-Y



Threshold: Perko 2005AAY

MATERIAL SPECIFICATIONS:

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

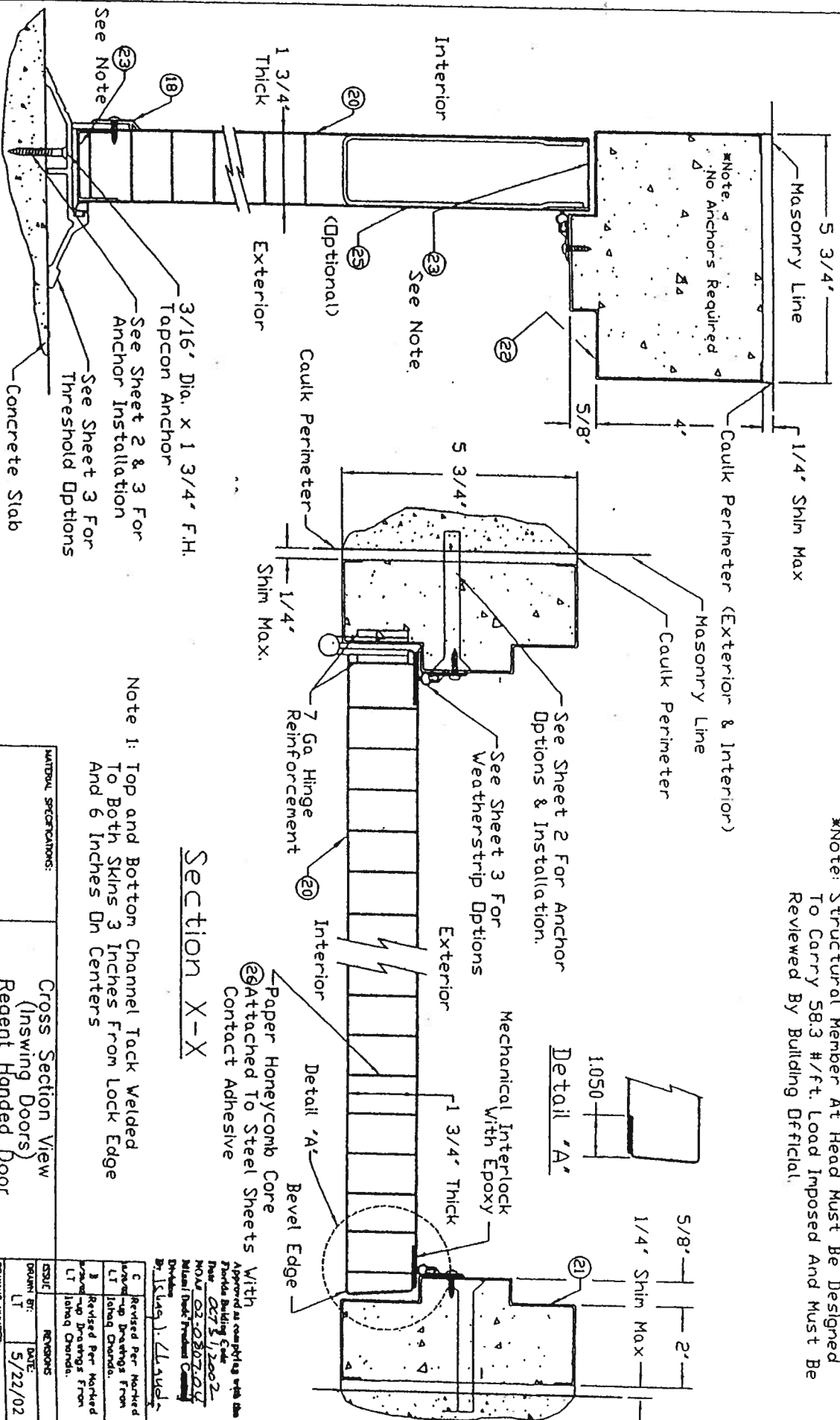
CECD DOOR PRODUCTS
Milan, Tennessee 38358

R00728
Sheet 3 of 9

ISSUE	REVISIONS
DATE	DATE
BY	BY
REASON	REASON
1	Revised Per Manufacturer's Drawings From Original
2	Revised Per Manufacturer's Drawings From Original
3	Revised Per Manufacturer's Drawings From Original
4	Revised Per Manufacturer's Drawings From Original
5	Revised Per Manufacturer's Drawings From Original
6	Revised Per Manufacturer's Drawings From Original
7	Revised Per Manufacturer's Drawings From Original
8	Revised Per Manufacturer's Drawings From Original
9	Revised Per Manufacturer's Drawings From Original
10	Revised Per Manufacturer's Drawings From Original
11	Revised Per Manufacturer's Drawings From Original
12	Revised Per Manufacturer's Drawings From Original
13	Revised Per Manufacturer's Drawings From Original
14	Revised Per Manufacturer's Drawings From Original
15	Revised Per Manufacturer's Drawings From Original
16	Revised Per Manufacturer's Drawings From Original
17	Revised Per Manufacturer's Drawings From Original
18	Revised Per Manufacturer's Drawings From Original
19	Revised Per Manufacturer's Drawings From Original
20	Revised Per Manufacturer's Drawings From Original

Approved as complying with the
Florida Building Code
Date: OCT 31, 2001
NOA: 02-030704
Miami-Dade/Freshman Council
Division
By: [Signature]

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



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

Section X-X

Paper Honeycomb Core
Attached to Steel Sheets With Contact Adhesive

MATERIAL SPECIFICATIONS:

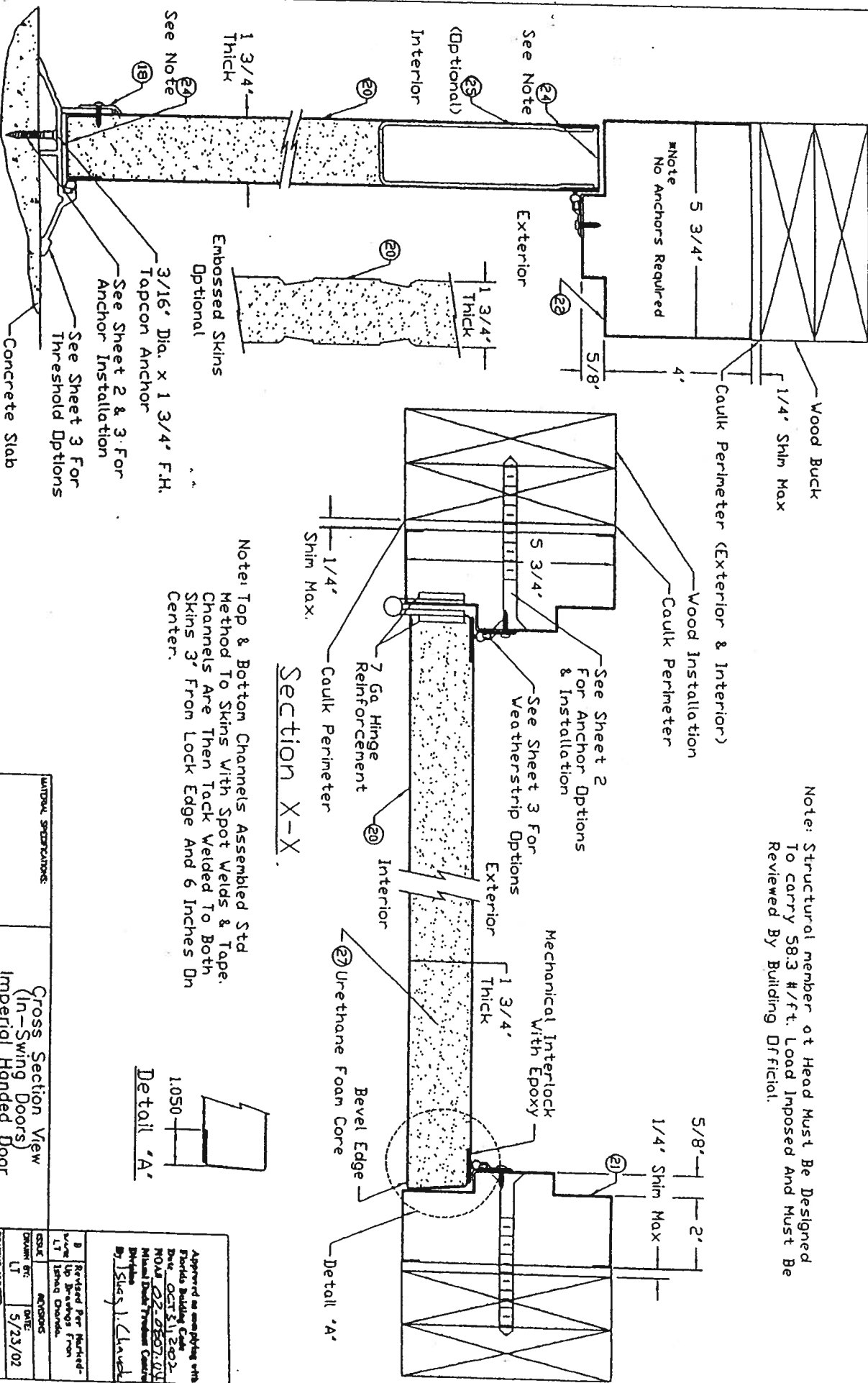
Cross Section View
(Inswing Doors)
Regent Handed Door

CECO DOOR PRODUCTS
Milton, Tennessee 38358

DESIGN	DATE
LT	5/22/02
REVISIONS	
1	Revised Per Noted
2	Revised Per Noted
3	Revised Per Noted
4	Revised Per Noted
5	Revised Per Noted

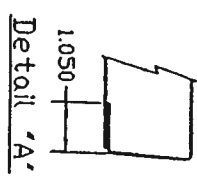
RD0728
Sheet 5 of 9

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

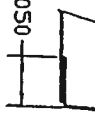


Section X-X

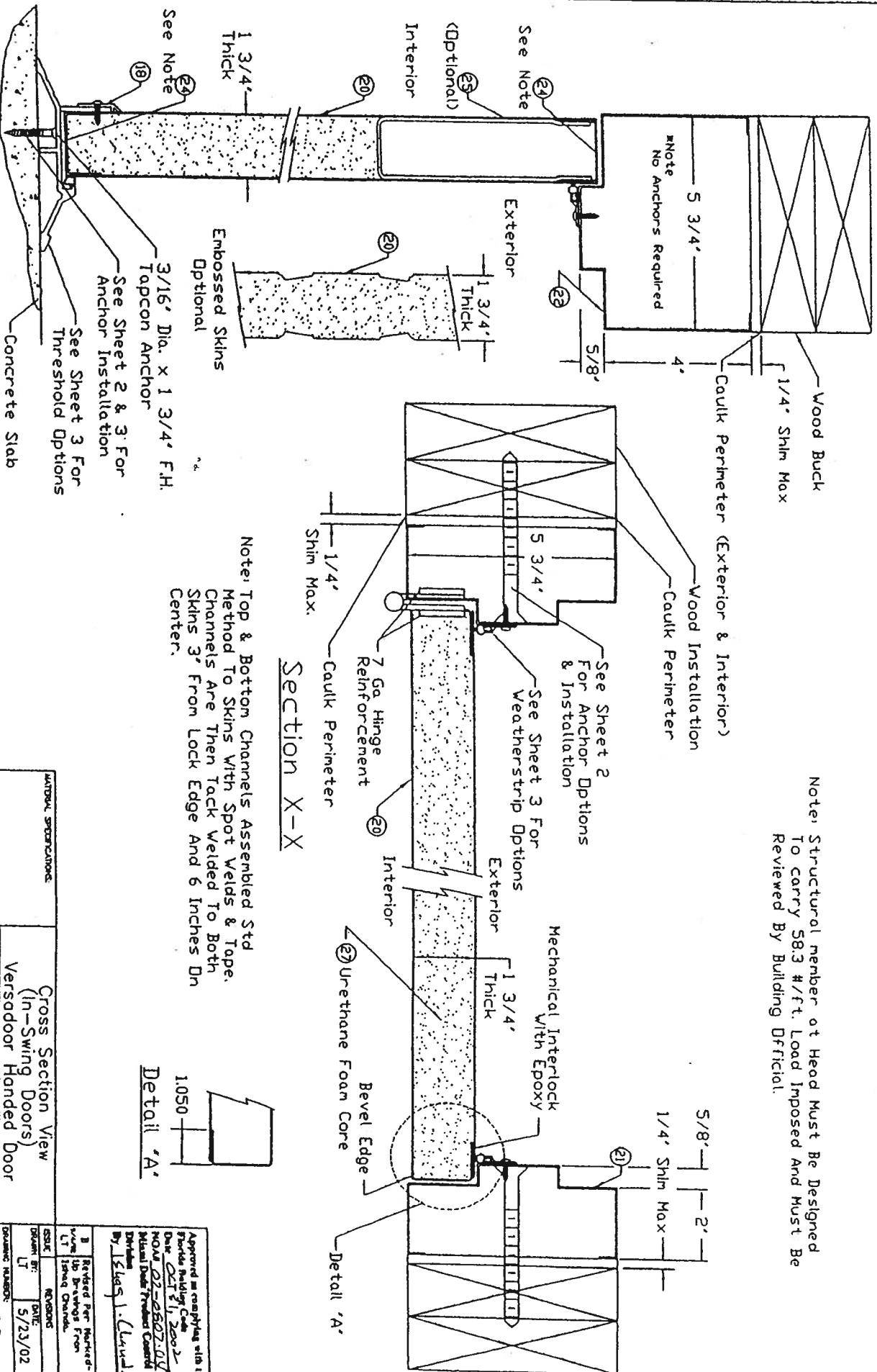
Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3\" From Lock Edge And 6 Inches On Center.



Detail 'A'

UNIFORM SPECIFICATIONS		Cross Section View (In-Swing Doors) Imperial Handed Door		 1.050 - 1	<u>Detail 'A'</u>	Approved as complying with Florida Building Code Date: OCT 31, 2002 MOA 02-0207-00 Miami-Dade Freedom Center Designed By: J. J. Clark
Mfg. Co., Tennessee 38358		CECD DOOR PRODUCTS				
B. Revised Per Manufacturer's Lift Drawings From Lifted Channels.		DATE	REVISED	RD0728		Sheet 7 of 9
LT		5/23/02				

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



Section Y-Y

Section X-X

Detail 'A'

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.

<p>MANUAL SPECIFICATIONS</p>	<p>Cross Section View (In-Swing Doors) Versadoor Handed Door</p>		<p>CECD DOOR PRODUCTS Milan, Tennessee 38358</p>	
<p>DATE: 5/23/02 BY: [Signature] CHECKED: [Signature]</p>	<p>REVISIONS</p>	<p>REVIEWED PER: [Signature] DATE: 5/23/02</p>	<p>APPROVED BY: [Signature] DATE: 5/23/02</p>	<p>PROJECT: [Signature] DATE: 5/23/02</p>

1	Cylindrical Lock & Lock Reinforcement (RD0528)	Schlage	AL53pd
1A	Deadbolt (Optional) ⑩	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 HS 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 HS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
10	Weatherstrip	Penko	588
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	Dr 3/8" x 5" F.H. Ramset/RED Head
15	Viewer	Hager	1755
16	Dr	HAG 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)	2" Face, 5-3/4" Depth Min. (RD0033)
22	Series SF, Frame Head, Double Rabbet, Profile A60 Galv Conforming To ASTM A653	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	4" Face, 5-3/4" Depth Min. (RD0033)
23	Door Channels/ Spot Welded To Bottom Skin	16 Ga (.053" min) A60 Galv Conforming To ASTM A653	16 ga (.053" min) x 1" x 1-3/4" x 1"
24	Door Channels/ Spot Welded To Bottom Skin	16 Ga (.053" min) A60 Galv Conforming To ASTM A653	16 ga (.053" min) x 1" x 1-3/4" x 1"
25	Taped To Top Skin/ Tack Welded To Both	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	12 ga (.093" min) x 5-3/8" x 16"
26	Closer Reinforcement (Optional)	12 Ga (.093" min) CS Type B	12 ga (.093" min) x 5-3/8" x 16"
27	Honeycomb Core	Non-impregnated Kraft Paper ③	2 lb/ft ³ Density
28	Urethane Core	Foam Enterprises	

MATERIAL SPECIFICATIONS:

3-0 x 7-0 Series

In-Swing Bill Of Materials

 CECO DOOR PRODUCTS

Milan, Tennessee 38358

ISSUE	REVISIONS
B	Revised Per Marked-10/10/02 Up Drawings From Ishraq Chanda.
A	Revised Per Marked-9/4/02 Up Drawings From Ishraq Chanda.
L7	

Approved as complying with the
Florida Building Code
Date: 07/31/2002
NOAR 22-0807.00
Milan, TN 38358
By: Stanley L. Clendish

DRAWING NUMBER:

RD0728
Sheet 9 of 9



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



Architectural Testing

01-47320.03
Page 2 of 7

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



Architectural Testing

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.



Architectural Testing

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.
<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)	0.75" 0.71"	See Note #2 See Note #2
<i>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.</i>			
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 Lock stile	0.13"/25% 0.19"/38%	0.50"/100% 0.50"/100%
In remaining direction - 50 lbs			
	Top rail Bottom rail	0.09"/19% 0.06"/13%	0.50"/100% 0.50"/100%



Architectural Testing

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.



Architectural Testing

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) 47.2 psf (negative)	0.62" 0.54"	See Note #2 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) 70.8 psf (negative)	0.04" 0.08"	0.21" max. 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

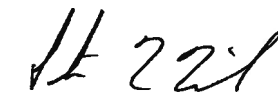
Eric Westphal
Technician

EW:dme
01-47320.03



Digitally Signed by: Steven M. Urich

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


APRIL 20, 2004



**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. 3⁰-7⁰ 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.

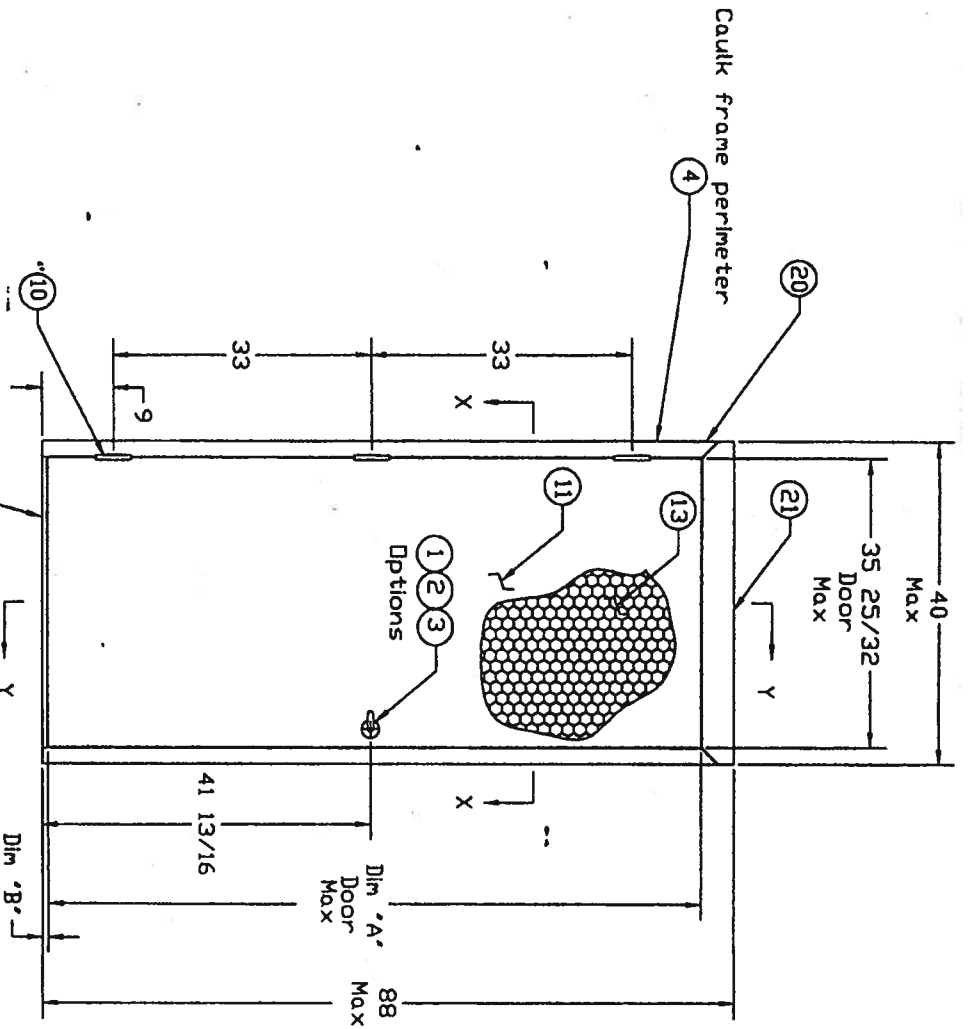
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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**



Design Pressure		
Tested For Water Penetration		
With Overhang	+85 psf	-60 psf
Without Overhang	+60 psf	-60 psf

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

4
Caulk Underneath Threshold

MATERIAL SPECIFICATIONS:

Finish: Rust Inhibitive Primer

Sheet 2	Frame Anchor Installation
Sheet 3	Threshold Installation
Sheet 3	Weatherstrip Installation
Sheet 4	Door Latch Reinforcement
Sheet 5-6	Cross Section View
Sheet 7	Bill Of Material

PRODUCT REVIEWED
See drawings with the Florida
Building Code
Approval No. 08-0411-01
Expiration Date: 08/14/2008
By: William Davis
Miami Dade Product Control
Director

3-0 x 7-0 Series
Elevation Drawing

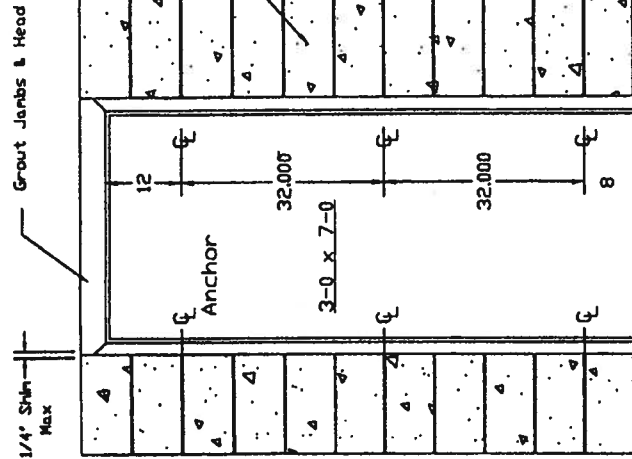
CECD DOOR PRODUCTS
Millon, Tennessee 38358

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: 08/14/2008
BY: William Davis
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
APPROPRIATE NO. 08-0315-03

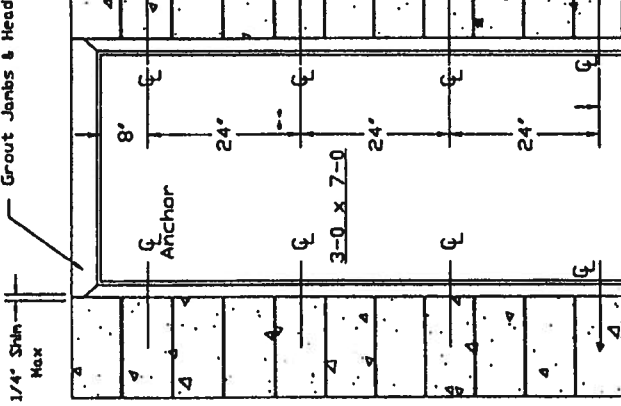
Revised Form, Transferred
Information from NDA
7/22/97
Revised Sheet Numbers

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

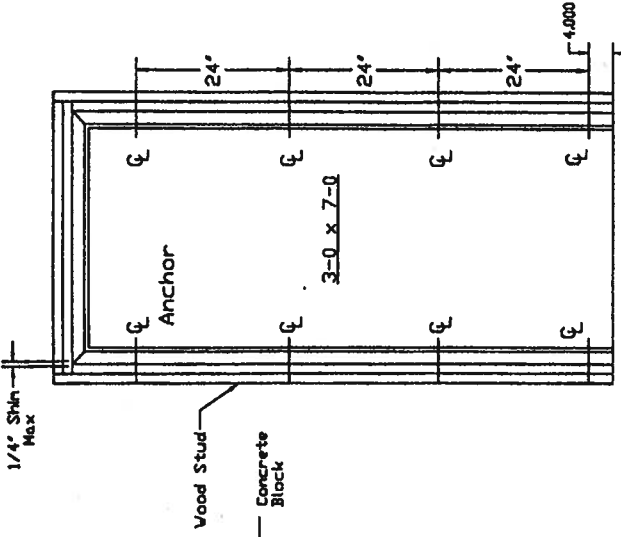
DRAWING NUMBER
RD0087
Sheet 1 of 7



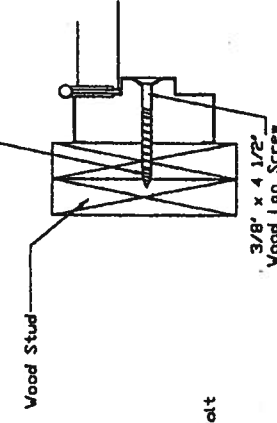
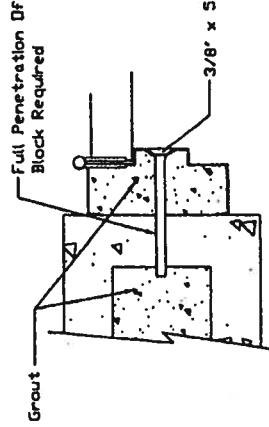
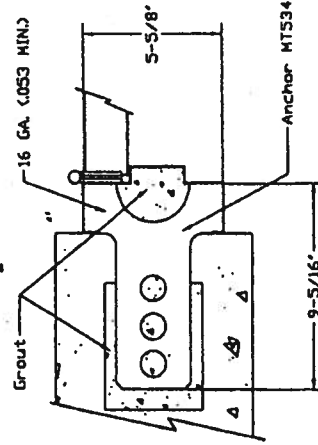
Masonry 'T' Anchor



Existing Opening Anchor Into Block



Existing Opening Anchor Into Wood Stud



PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0411-D1
Expiration Date 03-15-2008
By: *Manuel Dwy*
Miami/Dade Product Control
Division

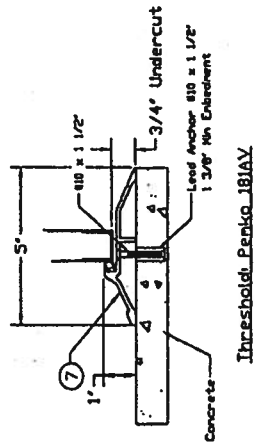
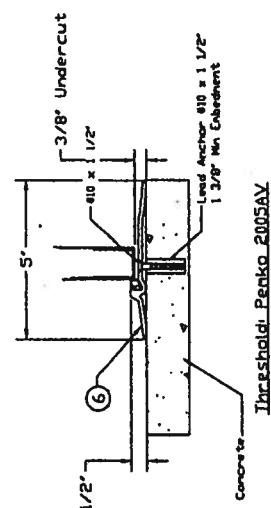
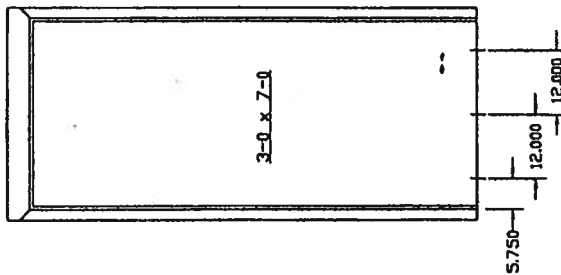
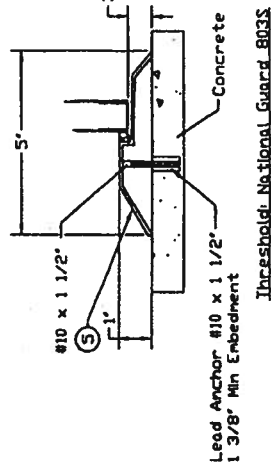
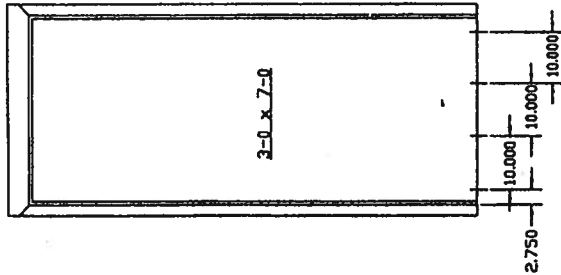
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *June 08, 2000*
BY *Manuel Dwy*
PRODUCT CONTROL DIVISION
BUILDING-CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315-03

Revised Format, Transferred Information from NOA	Revised Sheet Number
7/22/97	7/22/97
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 5/30/97
DRAWING NUMBER: RD00087	Sheet 2 of 7

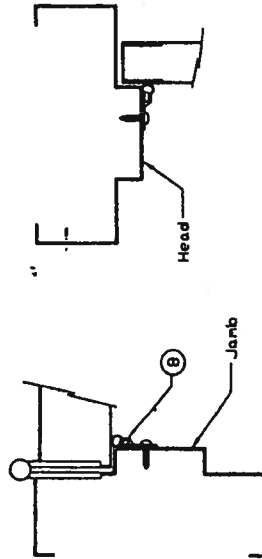
Frame Anchor
Installation Details
CECO DOOR PRODUCTS
Milan, Tennessee 38358

MATERIAL SPECIFICATIONS:

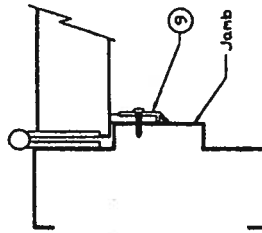
NOTES:
1. SEE SHEET 7 FOR BILL OF MATERIALS



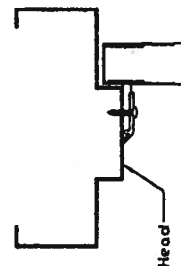
NOTE: 1. All thresholds shown are made from extruded aluminum with slide-in vinyl weatherstrip insert.



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.



MATERIAL SPECIFICATIONS:

Threshold & Weatherstrip Installation details

NOTE: 4. See Sheet 7 For Bill of Material

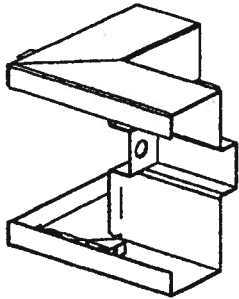
CECO DOOR PRODUCTS
Milan, Tennessee 37135R

RD0087
Sheet 3 of 7

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 02-041-01
Expiration Date 02/16/2008
By: [Signature]
Miami/Dade Product Control
Division

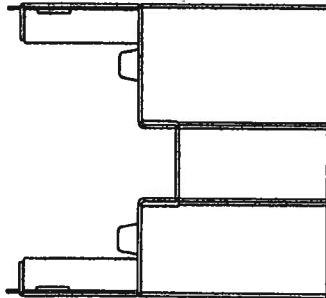
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: June 08/2000
BY: [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315-03

C	Revised Formed, Transferred
2/24/00	Information from NOA
B	Revised Sheet Number
7/22/97	
DWS	
ISSUE	REVISIONS
DRAWN BY:	DATE:
GWS	5/30/97

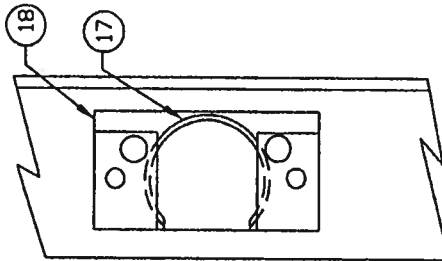
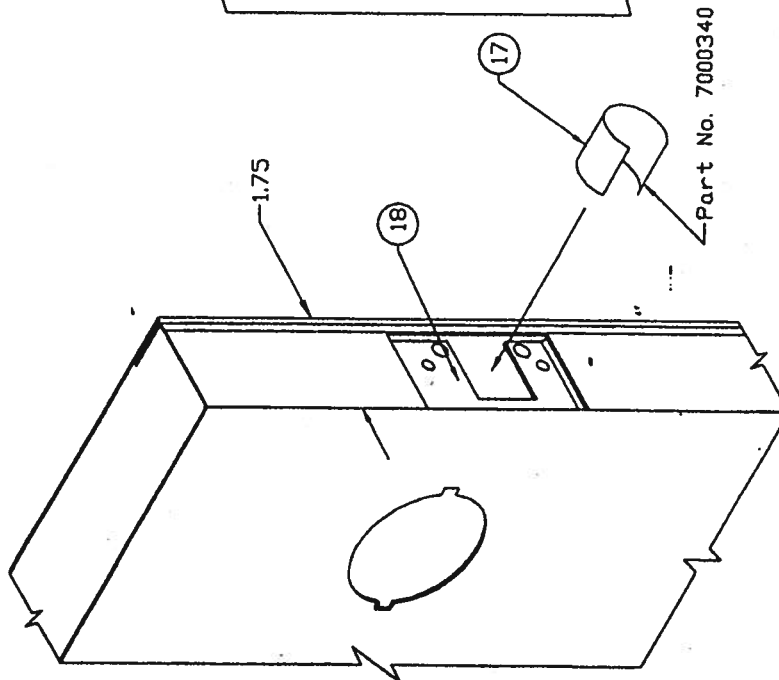


Interlocking Fold Over Tab

Frame Head



Frame Jamb



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

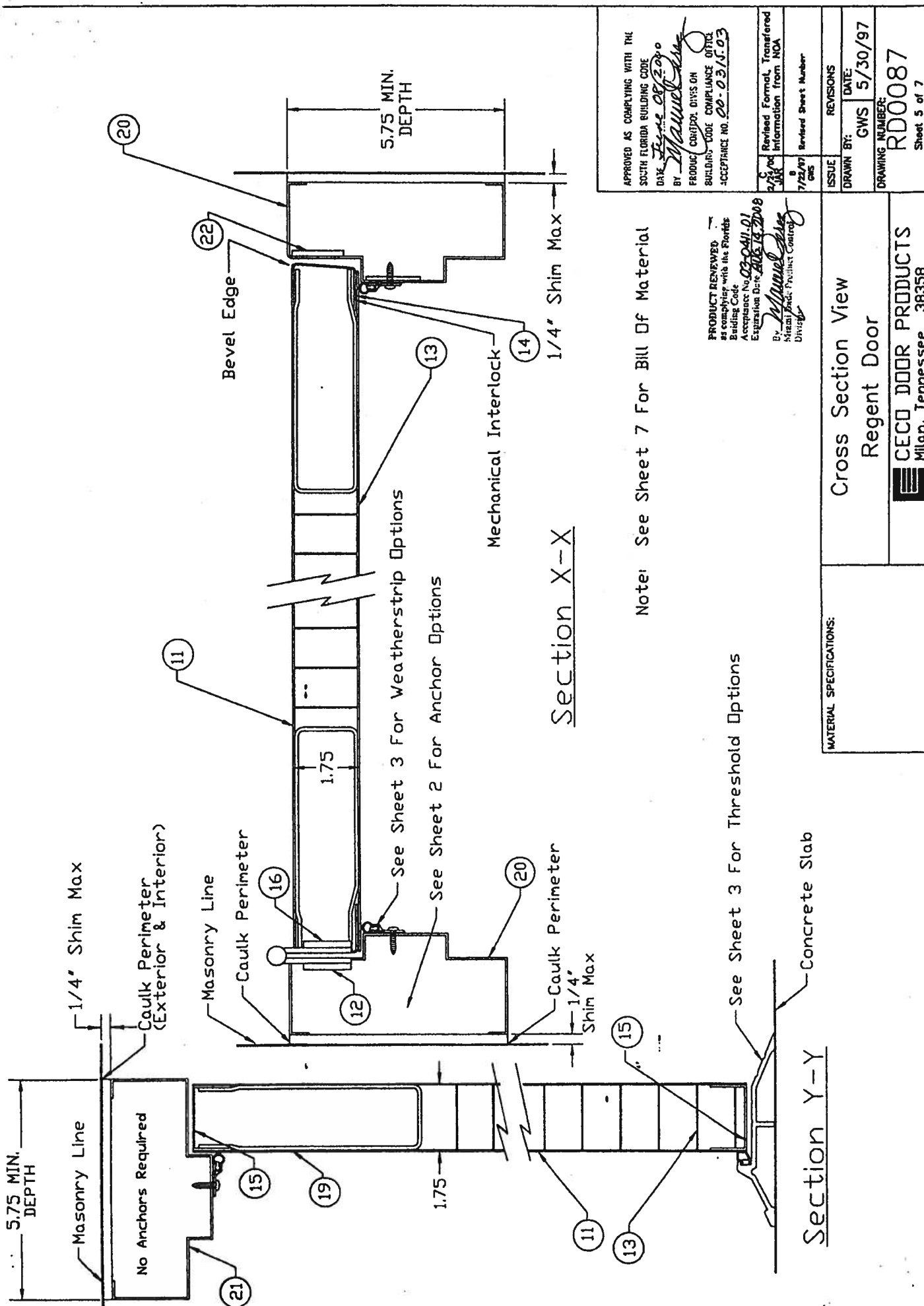
 CECD DOOR PRODUCTS
Milan, Tennessee 38358

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 03-0411-01
Expiration Date 06/13/2008
By *Michael Davis*
Hingham, Maine Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *June 08/2000*
BY *Michael Davis*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0311-03

8/2/97 JWS	Revised Format, Transferred Information from NOA
7/22/99 GWS	Revised Sheet Number
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 6/06/97
DRAWING NUMBER:	RD0087

Sheet 4 of 7



Note: See Sheet 7 For Bill Of Material

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 03-0411.01
Expiration Date 06/13/2008
By: *Manuel Dine*
Milan, Tenn. Product Control
Division

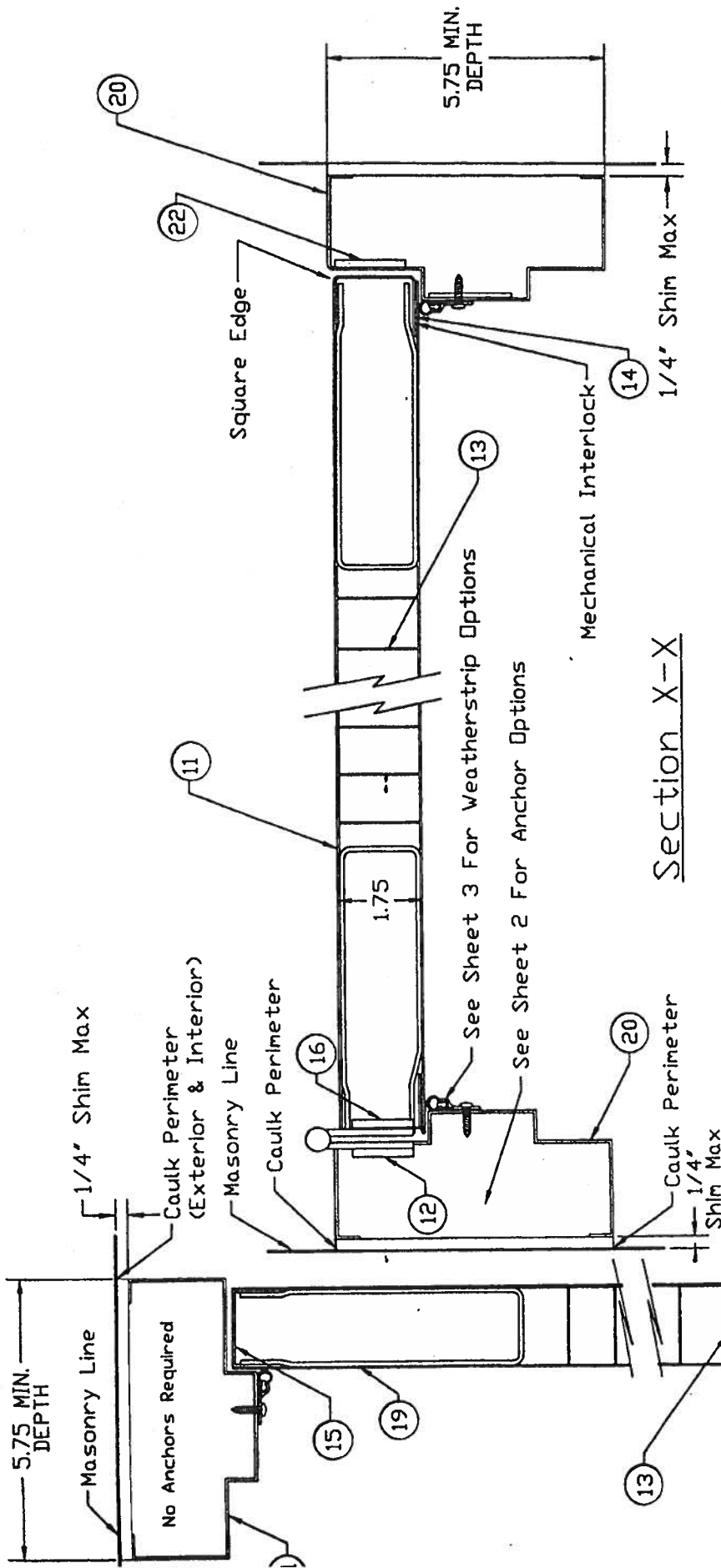
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: *June 08 2000*
BY: *Manuel Dine*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0311.03

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



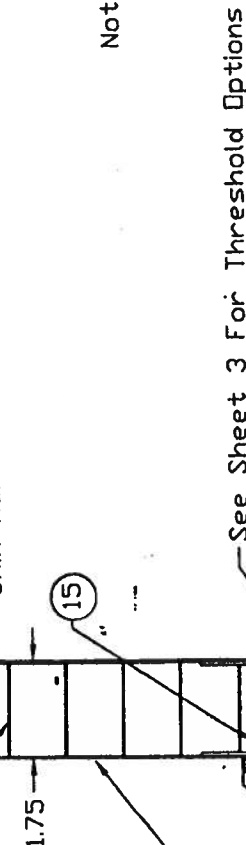
Section X-X

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE	
DATE: <u>Sept. 29, 2000</u>	BY: <u>Michael Davis</u>
PRODUCT CONTROL DIV'S OK	BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. <u>20-0345-03</u>	
7/22/97	7/22/97
Revised Formet. Transferred	Revised Sheet Number
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. 03-041-01
Expiration Date Aug. 18, 2008
By: Michael Davis
Miami Pass Product Control

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



Section Y-Y

ITEM	QTY	DESCRIPTION	MATERIAL	SIZE
1	1	SCHLAGE SERIES A5307D GRADE 2, LATCH LOCK, SINGLE LEVER OR KNOB OPERATED		
2	1	MARKS SERIES 170AB GRADE 2, LATCH LOCK, INSIDE/OUTSIDE LEVER OPERATED		
3	1	YALE SERIES AUB3070 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	PEKCO #205AV		
7	1	PEKCO #181AV		
8	1 ROW	PEKCO #303AS HIGH SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPTER WITH A SILICON (TM) 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 EACH ATTACHED WITH EIGHT #12-24 X 1/2" FH MS		
10	3	HAGAR BB1279, 4-1/2" X 4-1/2" X .0134" THICK STEEL HINGE		
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	DEWIFLEX 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		1-1/4" X 9" X 7 GA.
17	1	DOOR LATCH REINFORCEMENT, STEEL "C" RING	28 GA. GALV.	.015" THICK X 1.313 INSIDE DIAMETER
18	1	DOOR LOCK REINFORCEMENT	STEEL	16 GA.
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	16 GA. (0.053" MIN.) STEEL	2" FACE, 5-3/4" DEPTH MIN.
21	1	SERIES "SF", FRAME HEAD, DOUBLE RABBIT PROFILE	COMMERCIAL QUALITY COLD ROLLED STEEL MINIMUM YIELD STR. OF Fy=40,000 psi	2" FACE, 5-3/4" DEPTH MIN.
22	1	FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	COMMERCIAL QUALITY COLD ROLLED STEEL MINIMUM YIELD STR. OF Fy=40,000 psi	1-1/8" X 2-1/2" X 12 GA.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE <u>June 08, 2000</u> BY <u>Maunuel</u> PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <u>00-03 AC-03</u>		Revised Formatted, Transferred Information from NOA 7/22/97 GWS Revised Sheet Number
PRODUCT REVIEWED as complying with the Florida Building Code A representative No. <u>02-041-01</u> Expiration Date <u>08/18/2008</u> BY <u>Maunuel</u> Initials (Last, First, Middle)		ISSUE DATE: <u>6/02/97</u> DRAWN BY: <u>GWS</u> REVISIONS DRAWING NUMBER: <u>RD0087</u> Sheet 7 of 7
MATERIAL SPECIFICATIONS: 3-0 x 7-0 Series Bill Of Materials		CECD DOOR PRODUCTS Milan, Tennessee 38358

The H16-2 series has a presloped seat of 5:12 for double trusses.

The H connector series provides wind and seismic ties for trusses and rafters.

The presloped $\frac{5}{8}$ " seat of the H16 provides for a tight fit and reduced deflection. The strap length provides for various truss heights up to a maximum of $13\frac{1}{2}$ " (H16 series). Minimum heel height for H16 series is 4".

The HGA10 attaches to gable trusses and provides good lateral wind resistance. The HS24 attaches the bottom chord of a truss or rafter at pitches from 0:12 to 4:12 to double 2x4 top plates. Double shear nailing allows for higher lateral resistance.

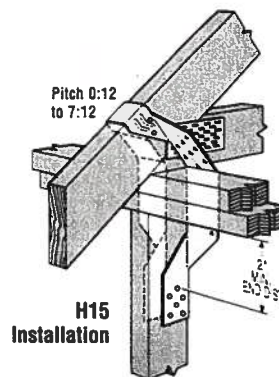
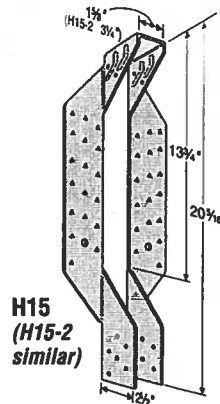
MATERIAL: See table

FINISH: Galvanized. See Corrosion Resistance, page 6-7.

INSTALLATION: • Use all specified fasteners. See General Notes.

- The HGA10KT screws are provided.
- HS24 requires slant nailing only when bottom chord of truss or rafter has no slope.
- Hurricane Ties do not replace solid blocking.

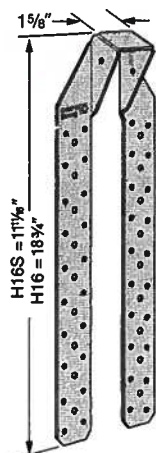
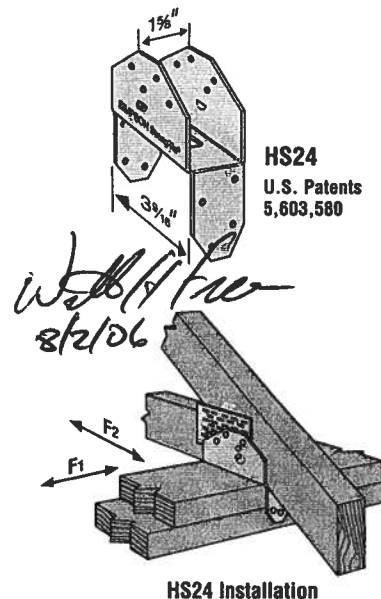
CODES: See page 12 for Code Listing Key Chart.



Model No.	Ga	Fasteners			DF/SP Allowable Loads ¹				SPF/HF Allowable Loads ¹				Code Ref.
		To Rafters/Truss	To Plates	To Studs	Uplift		Lateral (133/160)		Uplift		Lateral (133/160)		
					(133)	(160)	F ₁	F ₂	(133)	(160)	F ₁	F ₂	
HGA10KT	14	4-SDS ¹ 4x1 1/2	4-SDS ¹ 4x3	—	695	695	1165	940	595	595	870	815	125
HS24	18	8-8dx1 1/2 & 2-8d slant	8-8d	—	605 ³	605 ³	645 ³	1025 ³	520	520	555	880	9, 62, 121
H15	16	4-10dx1 1/2	4-10dx1 1/2	12-10dx1 1/2	1300	1300	480	—	1120	1120	410	—	6, 121
H15-2	16	4-10dx1 1/2	4-10dx1 1/2	12-10dx1 1/2	1300	1300	480	—	1120	1120	410	—	
H16	18	2-10dx1 1/2	10-10dx1 1/2	—	1470	1470	—	—	1265	1265	—	—	125
H16S	18	2-10dx1 1/2	10-10dx1 1/2	—	1470	1470	—	—	1265	1265	—	—	
H16-2	18	2-10dx1 1/2	10-10dx1 1/2	—	1470	1470	—	—	1265	1265	—	—	
H16-2S	18	2-10dx1 1/2	10-10dx1 1/2	—	1470	1470	—	—	1265	1265	—	—	

1. Loads have been increased for earthquake or wind loading with no further increase allowed; reduce where other loads govern.
2. When cross-grain bending or cross-grain tension cannot be avoided, mechanical reinforcement to resist such forces should be considered.
3. HS24 allowable loads without slant nailing are 625 lbs (uplift), 590 lbs (F₁), 640 lbs (F₂).

4. For H16-2S, S = short.
5. NAILS: 10dx1 1/2 = 0.148" dia. x 1 1/2" long, 8d = 0.131" dia. x 2 1/2" long, 8dx1 1/2 = 0.131" dia. x 1 1/2" long. See page 16-17 for other nail sizes and information.

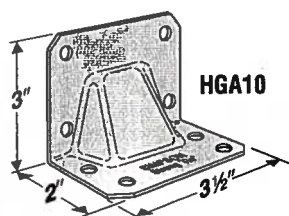


Depending on heel height, strap may wrap to back of plate.

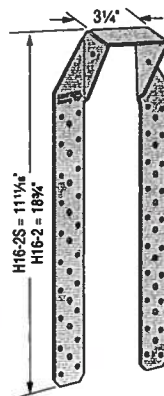
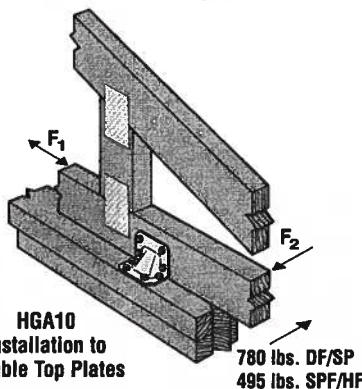
Install 4-10dx1 1/2 to inside edge of 2x
Install 6-10dx1 1/2 to face of 2x

H16 Installation

H16 and H16S
Presloped at 5:12. Pitch of 3:12 to 7:12 is acceptable



HGA10 Installation to Double Top Plates

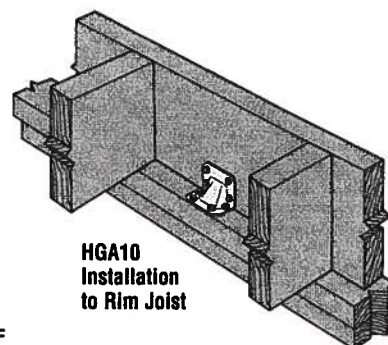


H16-2 and H16-2S
Presloped at 5:12. Pitch of 3:12 to 7:12 is acceptable

Depending on heel height, strap may wrap to back of plate.

Install 4-10dx1 1/2 to inside edge of 2x
Install 6-10dx1 1/2 to face of 2x

H16-2 Installation



HGA10 Installation to Rim Joist

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.

24826

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.: JB109478 Company Phone No.: 386-755-3611
FHA/VA Case No. (if any): _____

Section 2: Builder Information

Company Name: Trent Giebel, Const Company Phone No.: _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip): 765 SW Jurell Dr
Jurell, FL 32055
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 Gravel

Section 4: Treatment Information

Date(s) of Treatment(s): 8-17-06
Brand Name of Product(s) Used: Termidor
EPA Registration No.: 7969-710
Approximate Final Mix Solution %: 0.06%
Approximate Size of Treatment Area: Sq. ft. 2273 Linear ft. 212 Linear ft. of Masonry Voids 212
Approximate Total Gallons of Solution Applied: 442
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

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

Attachments (List): _____

Comments: _____

Name of Applicator(s): Steve Brunner Certification No. (if required by State law): JB104376

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: [Signature] Date: 8-17-06

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 11-4S-16-02914-323

Building permit No. 000024826

Use Classification SFD, UTILITY

Fire: 55.80

Permit Holder TRENT GIEBEIG

Waste: 167.50

Owner of Building PETE GIEGEIG

Total: 223.30

Location: 265 SW LUCILLE COURT

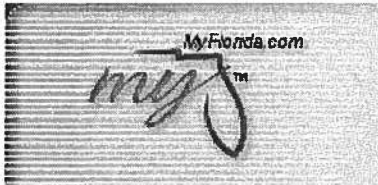


Date: 12/22/2006


Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

JUN 30 2006


[Log On](#)

[DBPR Home](#) | [Online Services Home](#) | [Help](#) | [Site Map](#)

07:05:33 AM

Public Services

[Search for a Licensee](#)
[Apply for a License](#)
[View Application Status](#)
[Apply to Retake Exam](#)
[Find Exam Information](#)
[Find a CE Course](#)
[File a Complaint](#)
[AB&T Delinquent Invoice
& Activity List Search](#)

User Services

[Renew a License](#)
[Change License Status](#)
[Maintain Account](#)
[Change My Address](#)
[View Messages](#)
[Change My PIN](#)
[View Continuing Ed](#)

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**

 [Term Glossary](#)
 [Online Help](#)

Special Qualifications Effective Date

Bldg Code Core Course Credit

No Qualified Business License 02/20/2004
Required

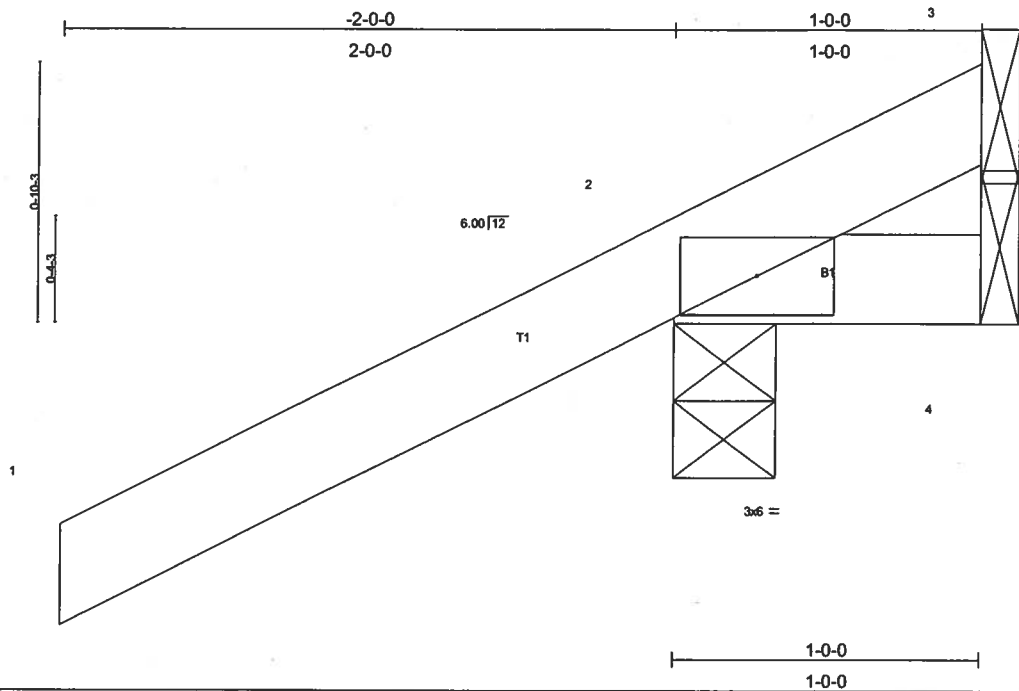
[View Related License Information](#)

[View License Complaint](#)

[New Search](#)


| [Terms of Use](#) | | [Privacy Statement](#) |

Job L200434	Truss CJ1	Truss Type JACK	Qty 16	Ply 1	LOT 23 MAYFAIR
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Jun 29 16:38:52 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.01	Vert(TL)	-0.00	2	>999	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: 7 lb	

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

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

REACTIONS (lb/size) 2=267/0-4-0, 4=14/Mechanical, 3=-91/Mechanical
Max Horz 2=87(load case 5)
Max Uplift 2=287(load case 5), 4=-9(load case 3), 3=-91(load case 1)
Max Grav 2=267(load case 1), 4=14(load case 1), 3=128(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-69/76
BOT CHORD 2-4=0/0

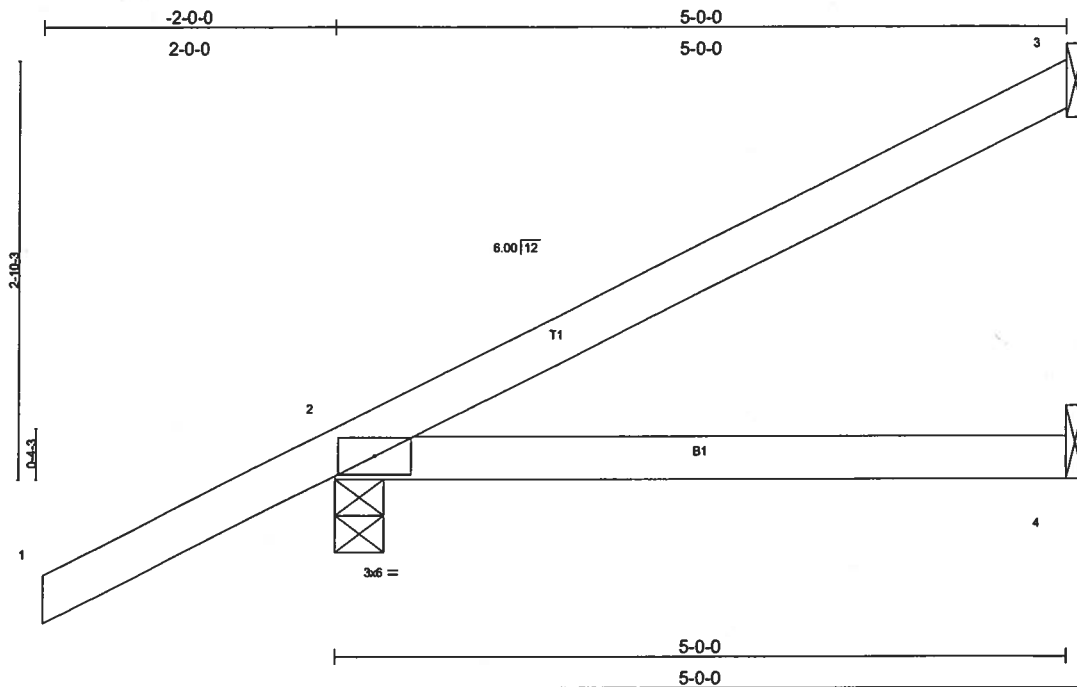
JOINT STRESS INDEX
2 = 0.14

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 287 lb uplift at joint 2, 9 lb uplift at joint 4 and 91 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L200434	Truss CJ5	Truss Type JACK	Qty 14	Ply 1	LOT 23 MAYFAIR
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Jun 29 16:38:55 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.30	In (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.24	Vert(LL) 0.09 2-4 >671 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) 0.07 2-4 >784 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2004/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

JOINT STRESS INDEX
2 = 0.15

NOTES

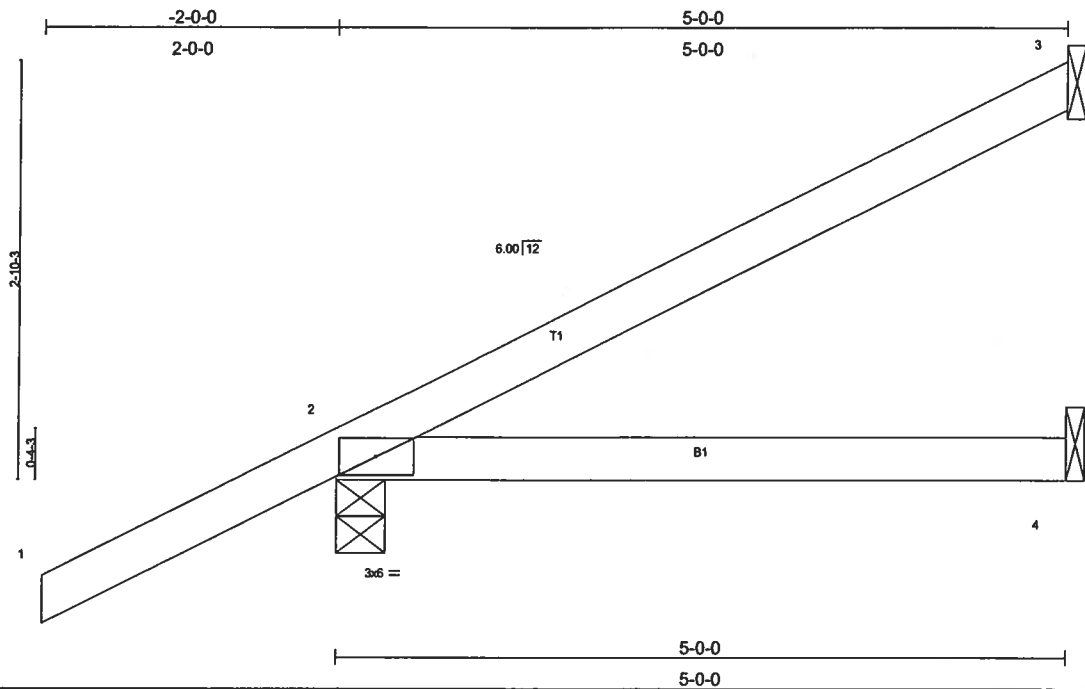
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) 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	Truss	Truss Type	Qty	Ply	LOT 23 MAYFAIR
L200434	EJ5	JACK	3	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Jun 29 16:38:56 2006 Page 1



Scale = 1:15.0

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.30	Vert(LL) 0.09 2-4 >672 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.24	Vert(TL) 0.07 2-4 >784 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00 3 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			
				Weight: 19 lb	

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

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

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

JOINT STRESS INDEX
2 = 0.15

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCDF=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

**JUNE 30, 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 L200434	Truss EJ7	Truss Type MONO TRUSS	Qty 21	Ply 1	LOT 23 MAYFAIR
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Jun 29 16:38:57 2006 Page 1		

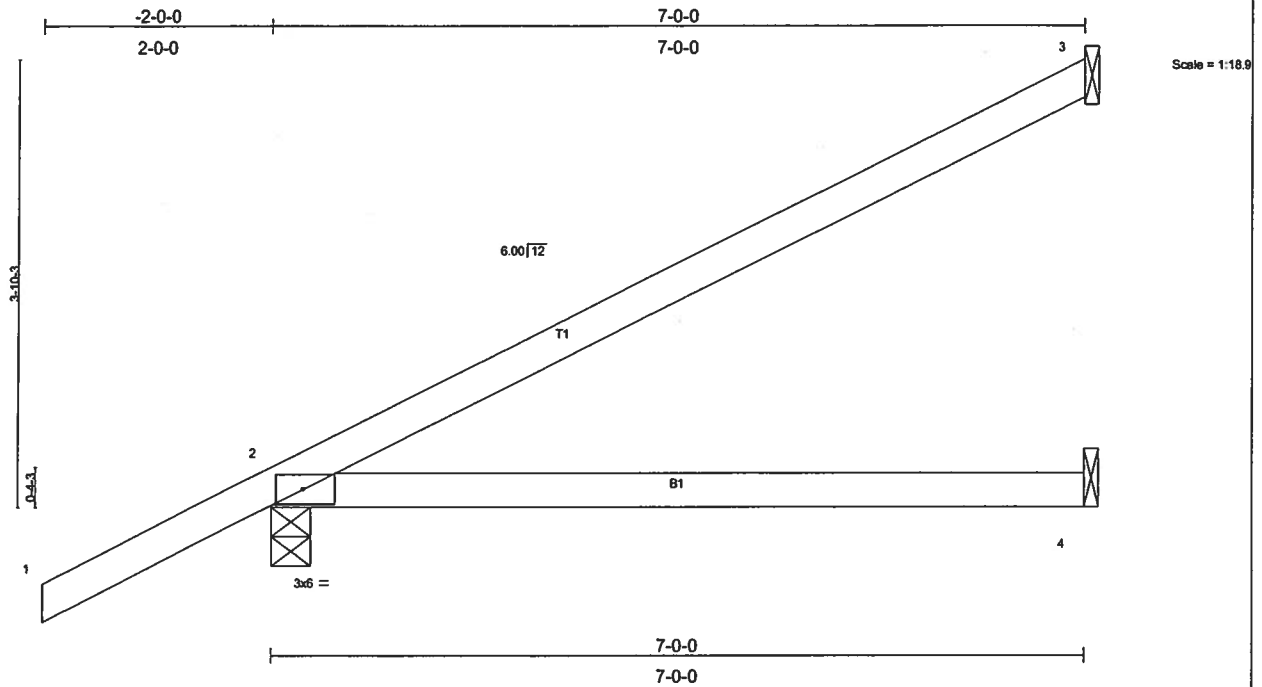


Plate Offsets (X,Y): [2:0-2-12,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.48	Vert(TL)	-0.12	2-4	>674	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.34	Vert(TL)	-0.20	2-4	>403	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 26 lb	

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

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

REACTIONS (lb/size) 3=162/Mechanical, 2=420/0-4-0, 4=104/Mechanical
Max Horz 2=224(load case 5)
Max Uplift 3=133(load case 5), 2=-211(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-119/58
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.72

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 133 lb uplift at joint 3 and 211 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L200434	Truss HJ7	Truss Type JACK	Qty 3	Ply 1	LOT 23 MAYFAIR <small>Job Reference (optional)</small>
<small>Builders FirstSource, Lake City, FL 32055</small>			<small>6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Jun 29 16:38:59 2006 Page 1</small>		

LOADING (psf)	SPACING 2-0-0	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.55	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.27	Vert(LL) 0.10 2-4 >773 240		
BCLL 10.0	Rep Stress Incr NO	WB 0.00	Vert(TL) -0.13 2-4 >644 180		
BCDL 5.0	Code FBC2004/TP12002	(Matrbx)	Horz(TL) -0.00 3 n/a n/a		
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 7-0-14 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
---	--

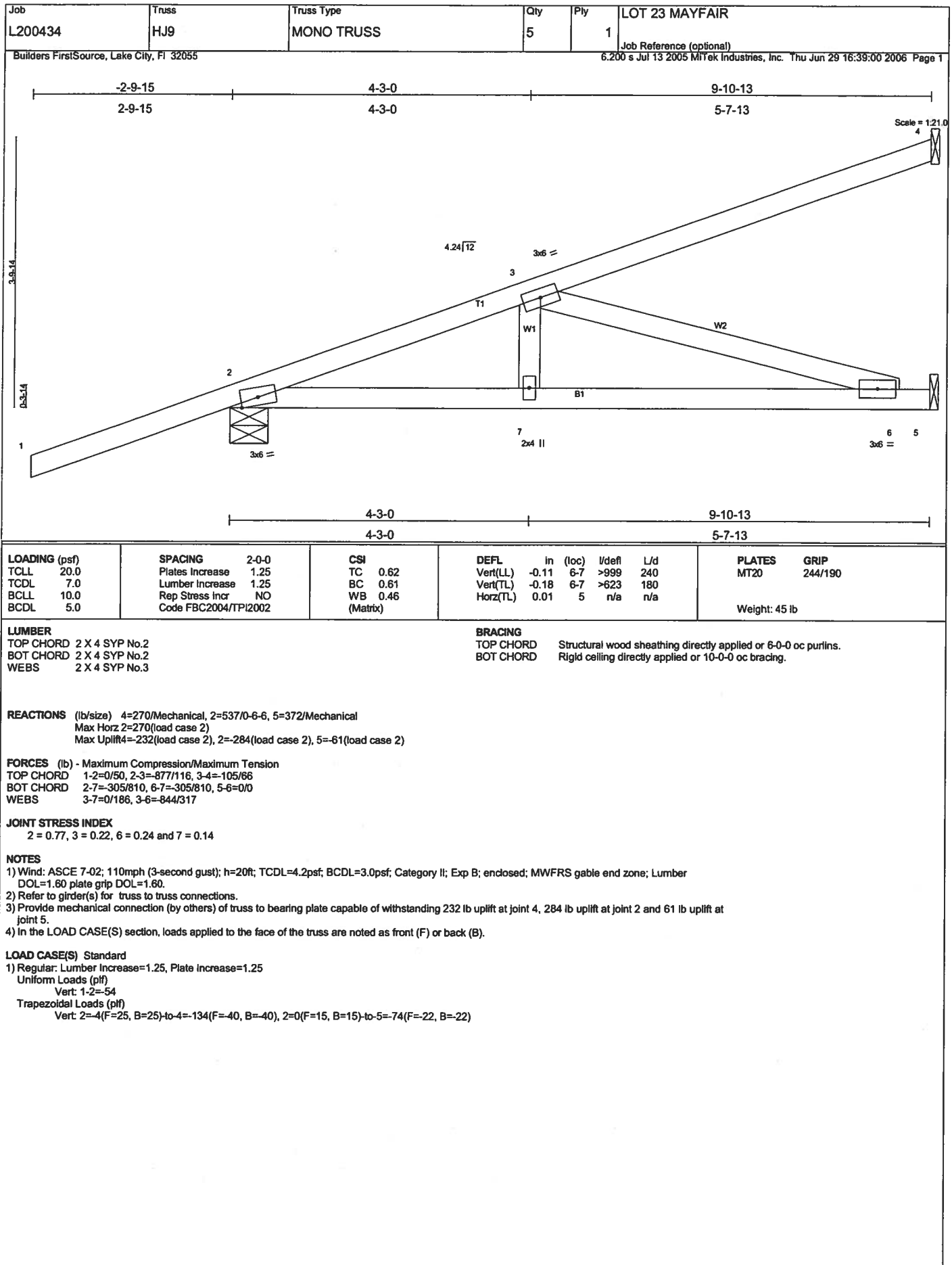
REACTIONS (lb/size) 3=190/Mechanical, 2=381/0-6-7, 4=110/Mechanical
 Max Horz 2=168(load case 2)
 Max Uplift 3=153(load case 2), 2=338(load case 2), 4=55(load case 4)

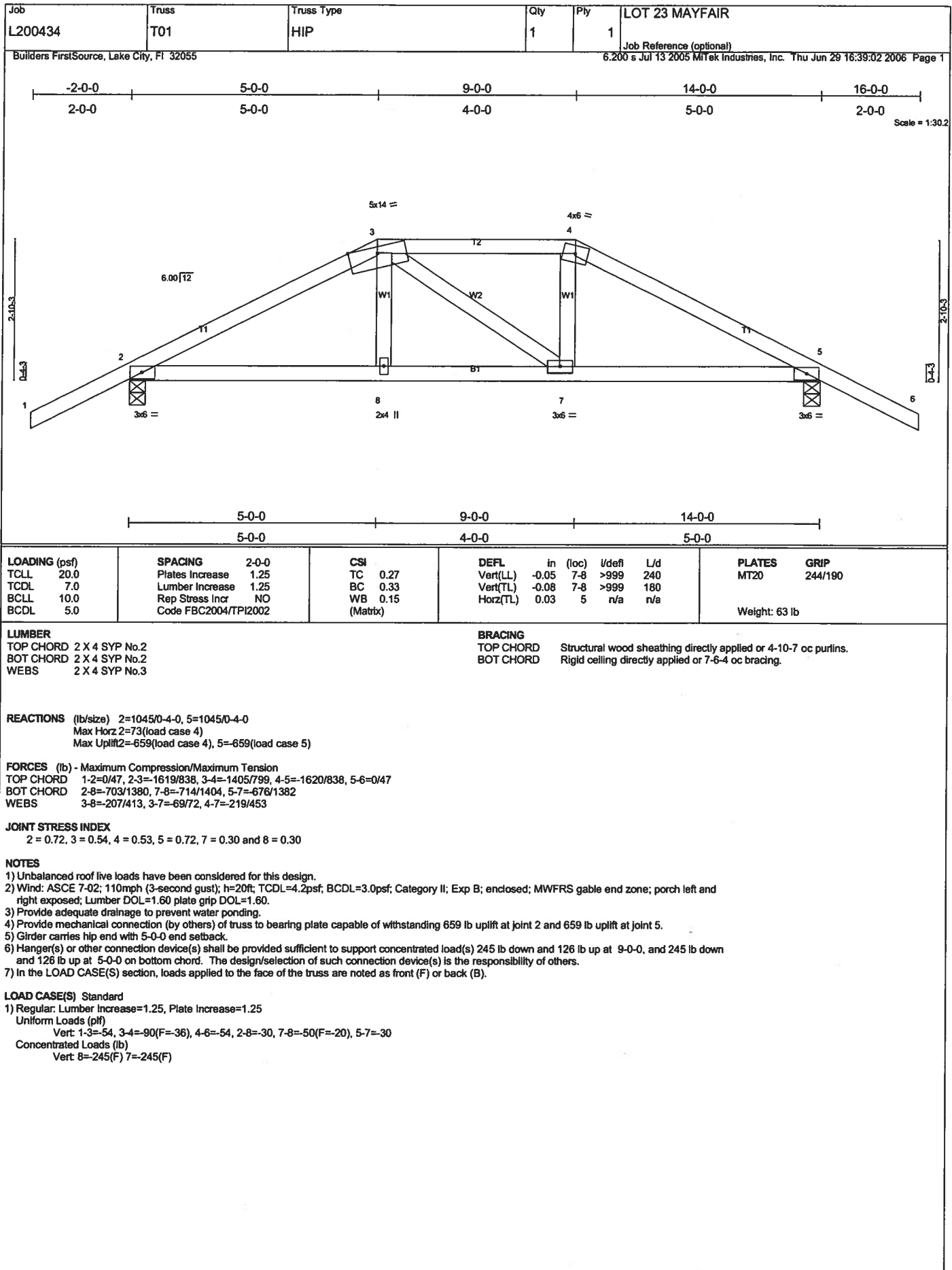
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/50, 2-3=-71/45
 BOT CHORD 2-4=0/0

JOINT STRESS INDEX
 2 = 0.53

NOTES
 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
 2) Refer to girder(s) for truss to truss connections.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 153 lb uplift at joint 3, 338 lb uplift at joint 2 and 55 lb uplift at joint 4.
 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-3=95(F=-21, B=-21), 2=0(F=15, B=15)-to-4=53(F=-12, B=-12)





Job L200434	Truss T02	Truss Type COMMON	Qty 3	Ply 1	LOT 23 MAYFAIR
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Jun 29 16:39:03 2006 Page 1		

LOADING (psf) TCDL 20.0 TCDL 7.0 BCCL 10.0 BCDL 5.0	SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr YES Code FBC2004/TPI2002	CSI TC 0.40 BC 0.37 WB 0.10 (Matrix)	DEFL in (loc) l/defl L/d Vert(LL) 0.14 4-6 >999 240 Vert(TL) 0.11 4-6 >999 180 Horz(TL) 0.01 4 n/a n/a	PLATES GRIP MT20 244/190 Weight: 56 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 7-11-0 oc bracing.
--	---

REACTIONS (lb/size) 2=691/0-4-0, 4=691/0-4-0
 Max Horz 2=87(load case 6)
 Max Uplift 2=488(load case 5), 4=488(load case 6)

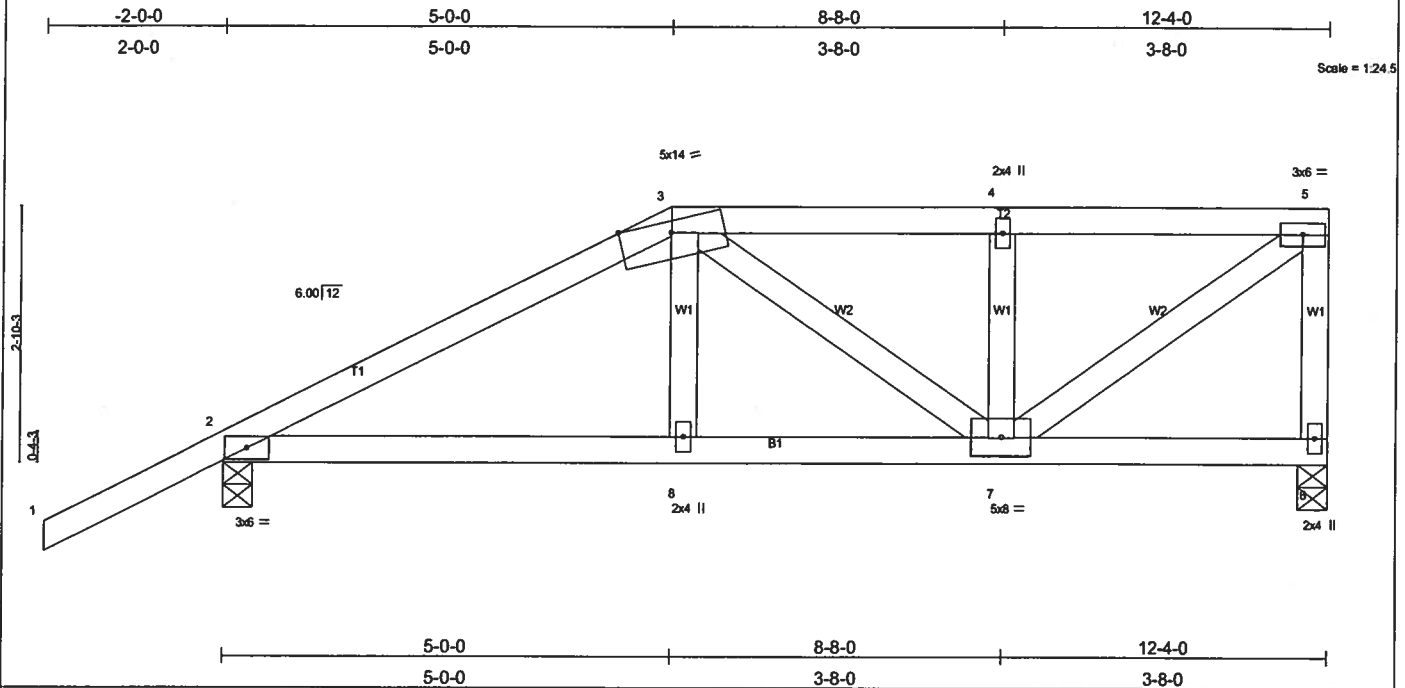
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=790/850, 3-4=790/850, 4-5=0/47
 BOT CHORD 2-6=-578/634, 4-6=-578/634
 WEBS 3-6=-418/248

JOINT STRESS INDEX
 2 = 0.60, 3 = 0.73, 4 = 0.60 and 6 = 0.18

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 488 lb uplift at joint 2 and 488 lb uplift at joint 4.

LOAD CASE(S) Standard

Job L200434	Truss T03	Truss Type MONO HIP	Qty 1	Ply 1	LOT 23 MAYFAIR
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Jun 29 16:39:04 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.28	Vert(LL) 0.04 2-8 >999 240		
BCCL 10.0	Lumber Increase 1.25	WB 0.34	Vert(TL) -0.05 2-8 >999 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.02 6 n/a n/a		
	Code FBC2004/TPI2002				
				Weight: 63 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-5-6 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 7-9-13 oc bracing.

REACTIONS (lb/size) 6=877/0-4-0, 2=895/0-4-0
 Max Horz 2=180(load case 4)
 Max Uplift 6=526(load case 3), 2=570(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=1295/691, 3-4=-917/546, 4-5=-917/547, 5-6=-782/491
 BOT CHORD 2-8=-643/1093, 7-8=-655/1117, 6-7=-32/53
 WEBS 3-8=-211/412, 3-7=-243/168, 4-7=-322/275, 5-7=-635/1068

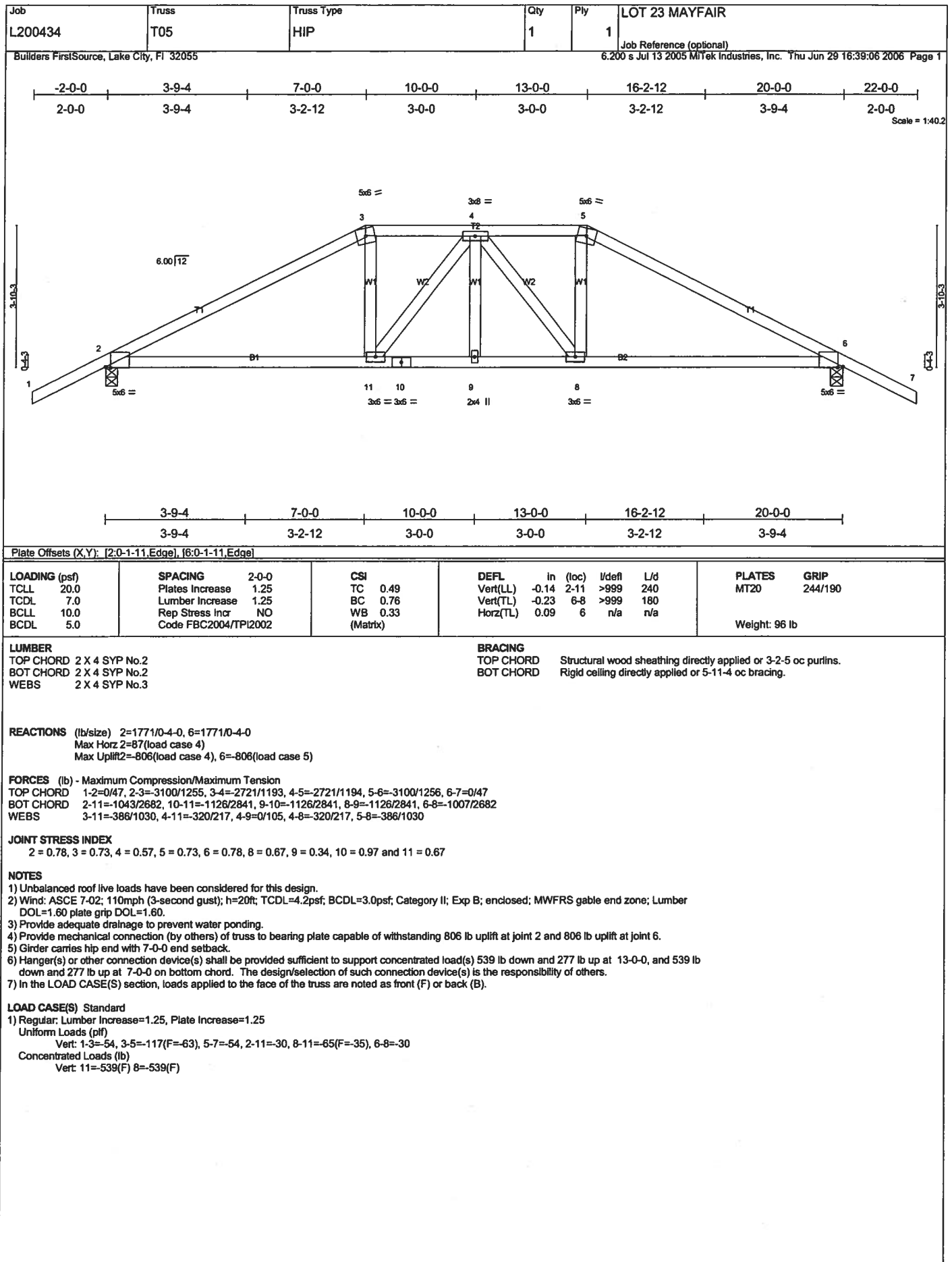
JOINT STRESS INDEX
 2 = 0.59, 3 = 0.47, 4 = 0.16, 5 = 0.63, 6 = 0.66, 7 = 0.50 and 8 = 0.30

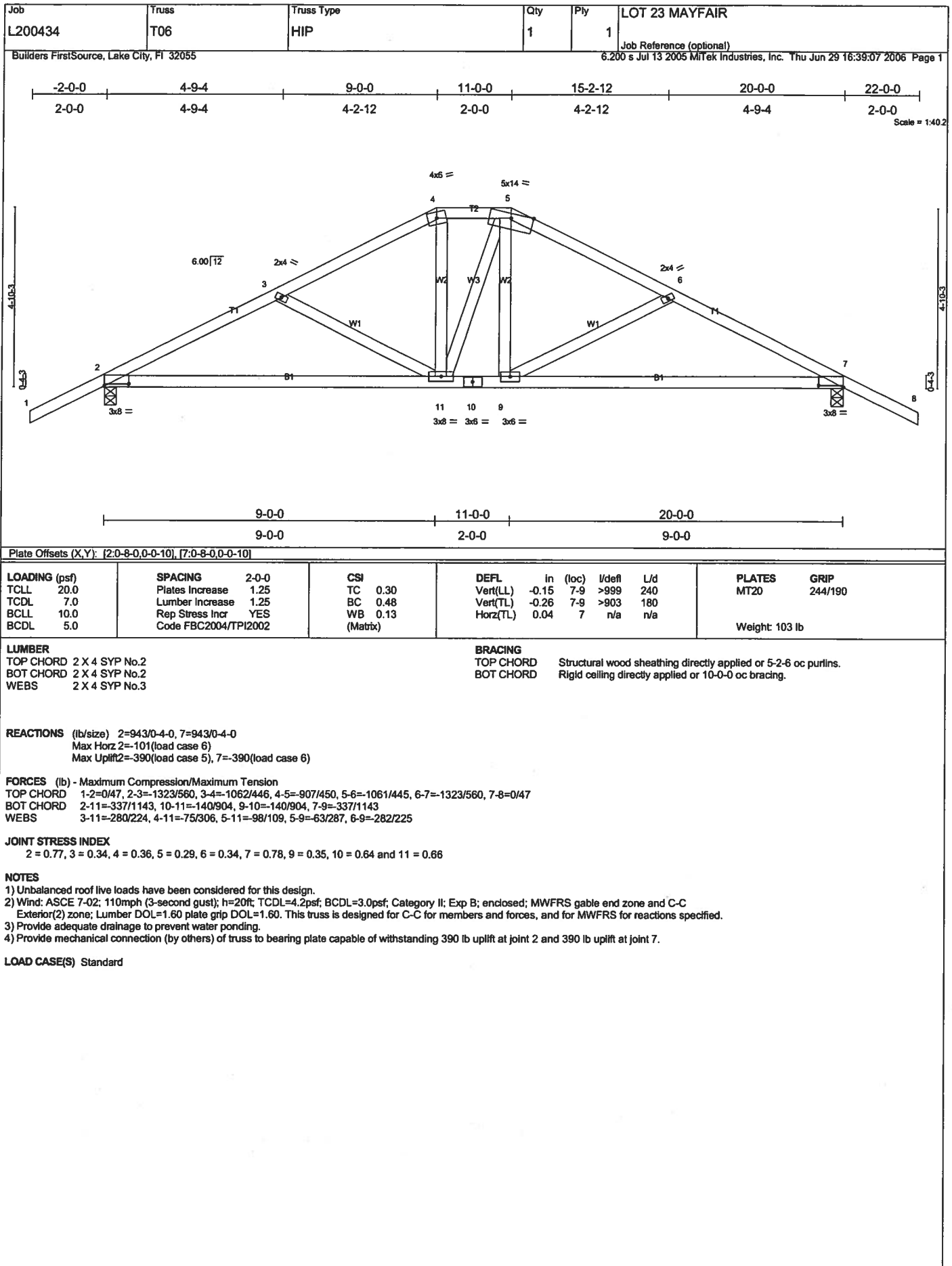
NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Provide adequate drainage to prevent water ponding.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 526 lb uplift at joint 6 and 570 lb uplift at joint 2.
- 4) Girder carries hip end with 0-0-0 right side setback, 5-0-0 left side setback, and 5-0-0 end setback.
- 5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 245 lb down and 126 lb up at 5-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-54, 3-5=-90(F=-36), 2-8=-30, 6-8=-50(F=-20)
 Concentrated Loads (lb)
 Vert: 8=-245(F)





Job

L200434

Truss

T07

Truss Type

COMMON

Qty

7

Ply

1

LOT 23 MAYFAIR

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Jun 29 16:39:09 2006 Page 1

-2-0-0

2-0-0

6-0-0

6-0-0

10-0-0

4-0-0

14-0-0

4-0-0

20-0-0

6-0-0

22-0-0

2-0-0

Scale = 1:39.7

Plate Offsets (X,Y):

[2:0-1-13,0-0-7], [6:0-1-13,0-0-7]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	l/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.36	Vert(LL)	-0.31	8-10	>751	240	
TCDL 7.0	Lumber Increase	1.25	BC 0.97	Vert(TL)	-0.51	8-10	>460	180	
BCLL 10.0	Rep Stress Incr	NO	WB 0.29	Horz(TL)	0.04	6	n/a	n/a	
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						

Weight: 97 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 4-5-2 oc purlins.

BOT CHORD

Rigid ceiling directly applied or 9-0-2 oc bracing.

REACTIONS

(lb/size) 2=1143/0-4-0, 6=1143/0-4-0

Max Horz 2=-108(load case 6)

Max Uplift 2=471(load case 5), 6=471(load case 6)

FORCES

(lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-1875/731, 3-4=-1830/858, 4-5=-1830/858, 5-6=-1875/731, 6-7=0/47

BOT CHORD 2-10=474/1592, 9-10=-242/1044, 8-9=-242/1044, 6-8=-474/1592

WEBS 3-10=-232/245, 4-10=-384/897, 4-8=-384/897, 5-8=-232/245

JOINT STRESS INDEX

2 = 0.81, 3 = 0.34, 4 = 0.71, 5 = 0.34, 6 = 0.81, 8 = 0.63, 9 = 0.69 and 10 = 0.63

NOTES

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C 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 471 lb uplift at joint 2 and 471 lb uplift at joint 6.

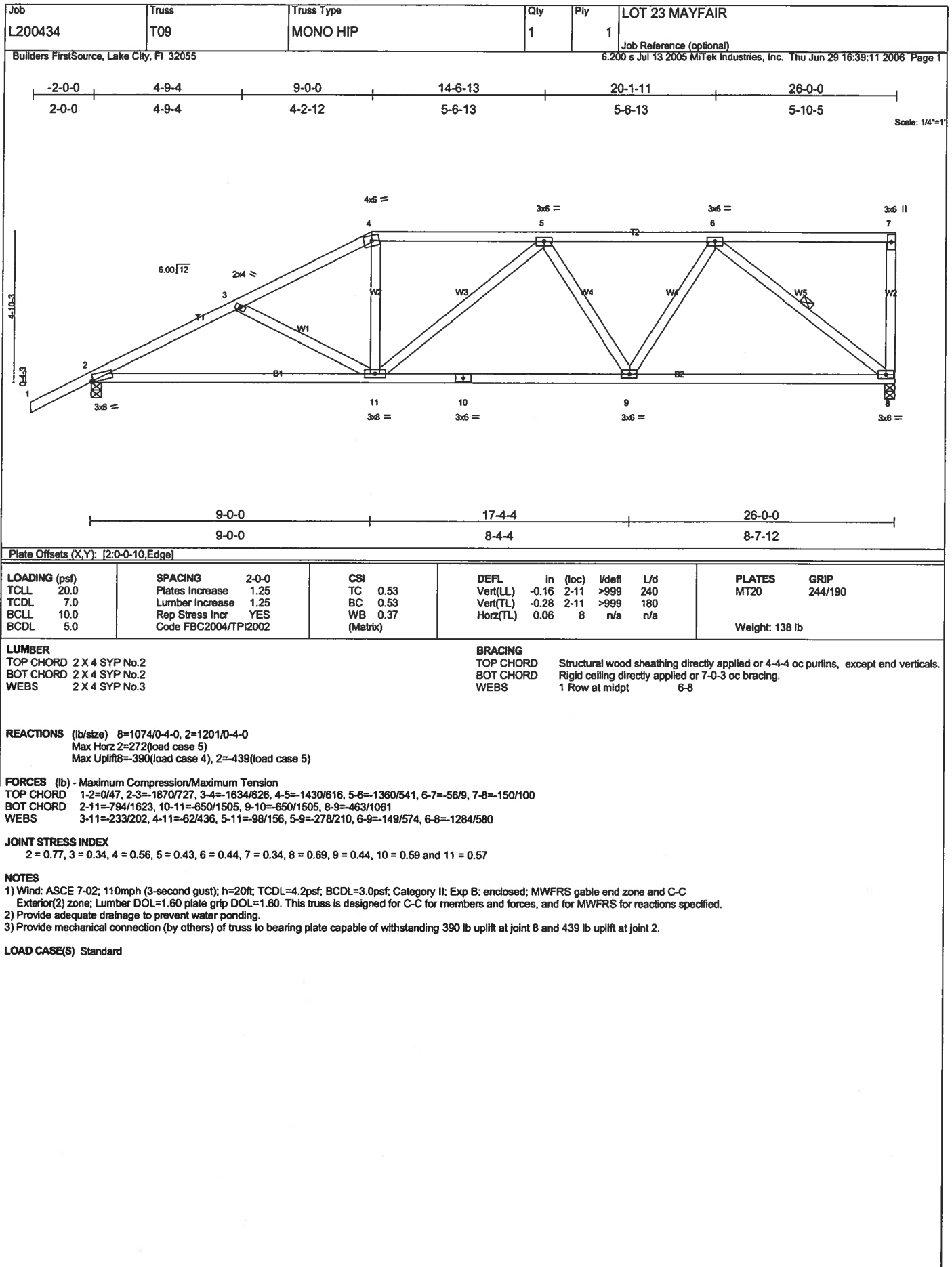
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

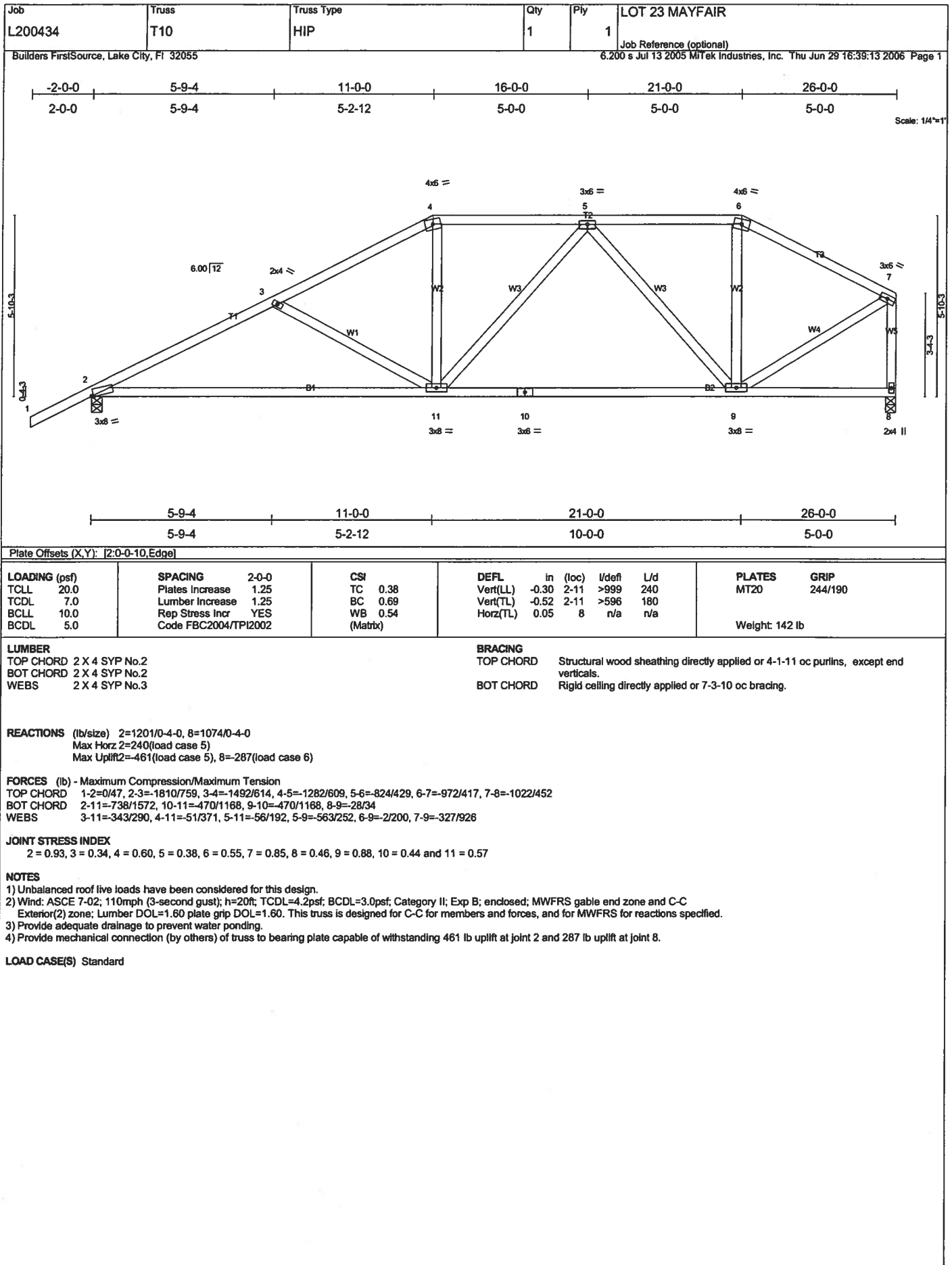
LOAD CASE(S) Standard

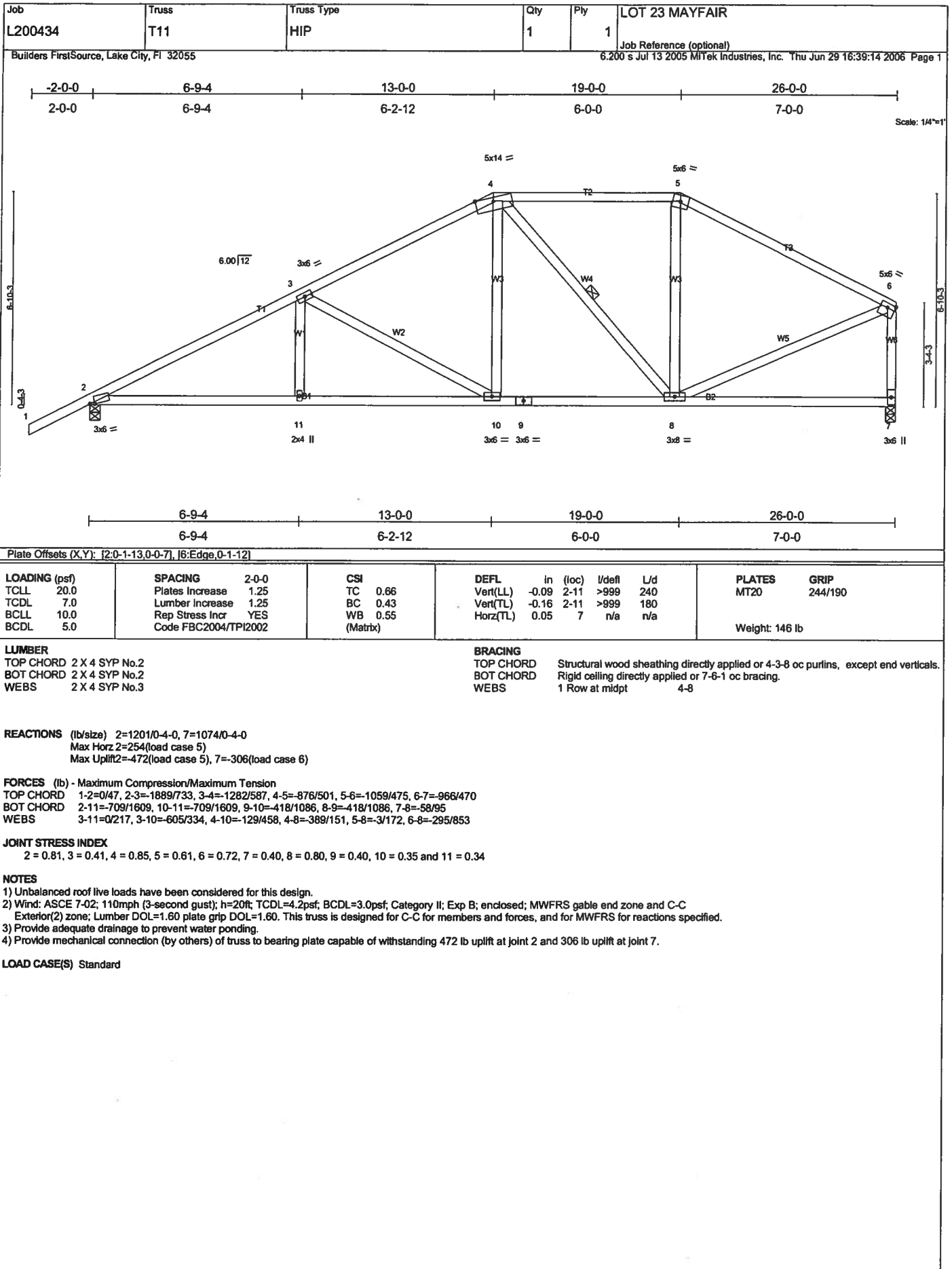
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

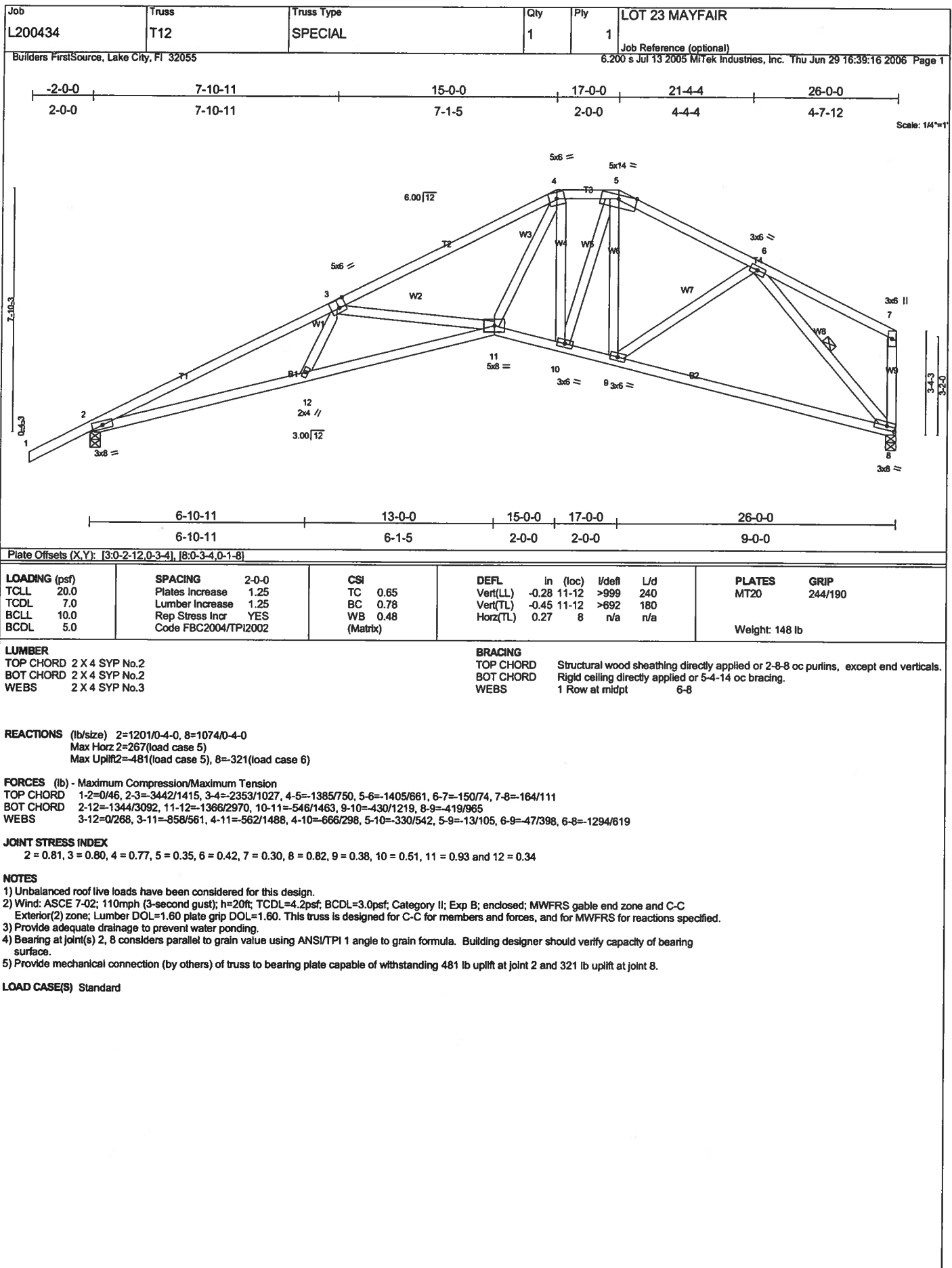
Uniform Loads (plf)

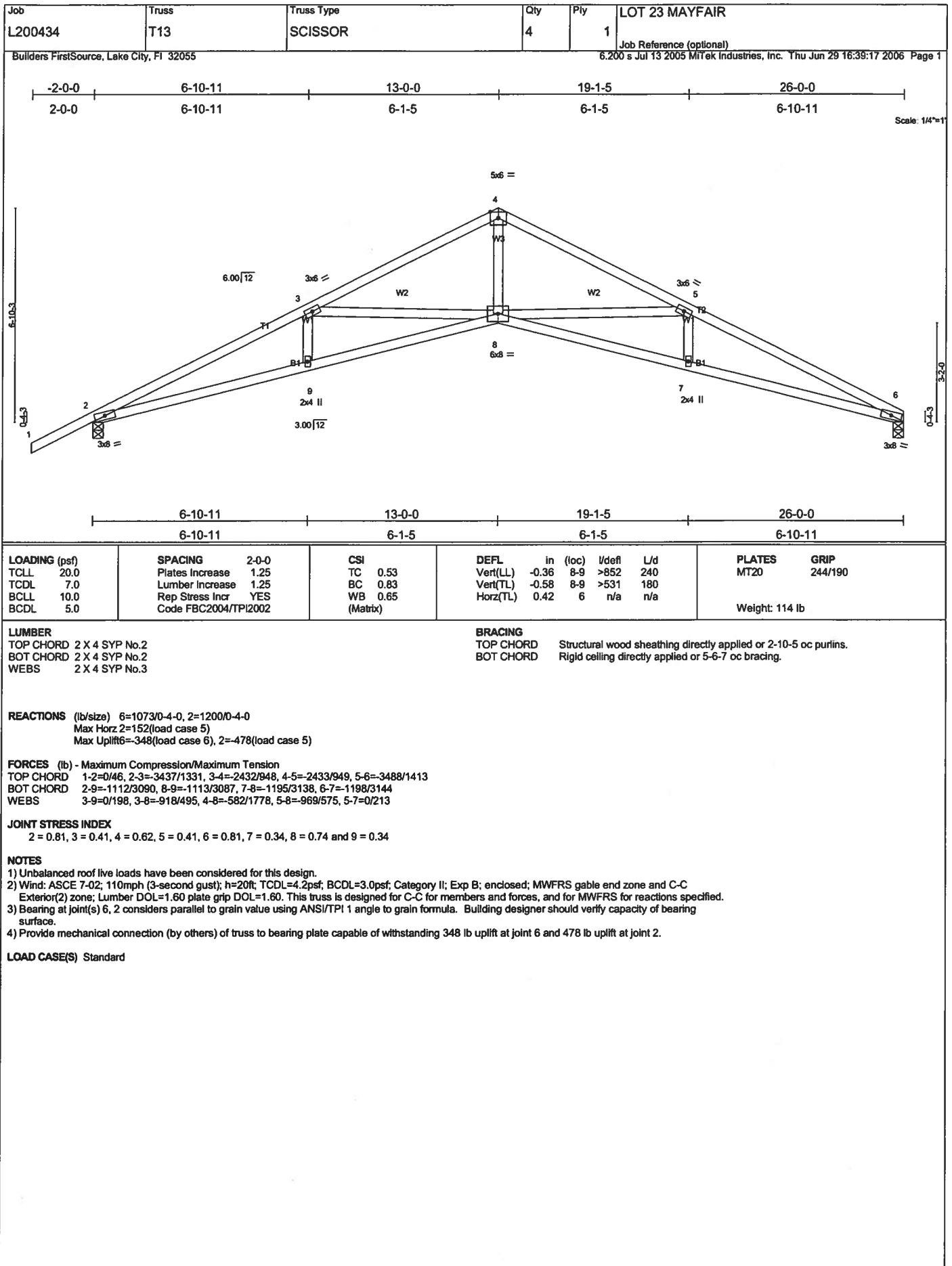
Vert: 1-4=-54, 4-7=-54, 2-10=-30, 8-10=-80(F=-50), 6-8=-30



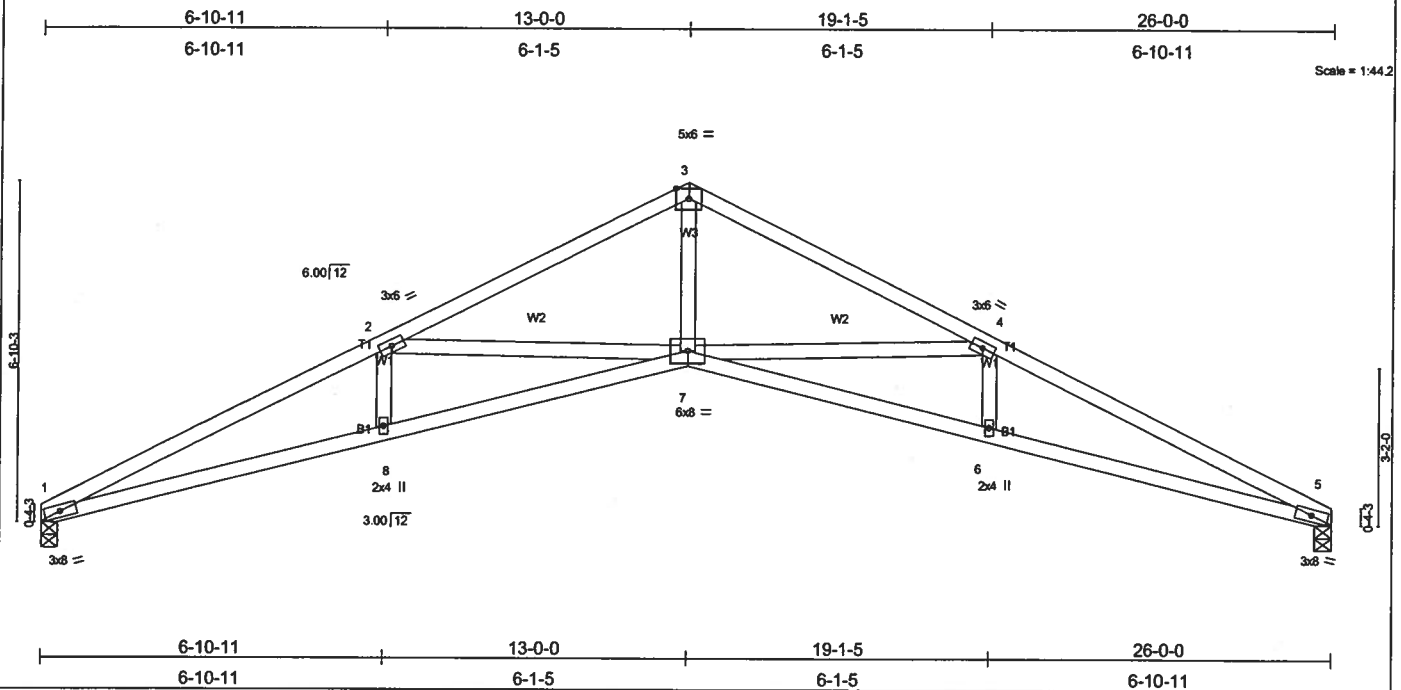








Job L200434	Truss T14	Truss Type SCISSOR	Qty 6	Ply 1	LOT 23 MAYFAIR
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Jun 29 16:39:19 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.54	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.83	Vert(LL) -0.36 7-8 >849 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.65	Vert(TL) -0.58 7-8 >529 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.42 5 n/a n/a		
	Code FBC2004/TPI2002				
					Weight: 110 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 2-10-3 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 5-5-10 oc bracing.

REACTIONS (lb/size) 1=1078/0-4-0, 5=1078/0-4-0
 Max Horz 1=96(load case 4)
 Max Uplift 1=350(load case 5), 5=350(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-3509/1448, 2-3=-2452/980, 3-4=-2452/980, 4-5=-3509/1448
 BOT CHORD 1-8=-1230/3164, 7-8=-1226/3157, 6-7=-1226/3157, 5-6=-1230/3164
 WEBS 2-8=0/213, 2-7=-969/579, 3-7=-615/1798, 4-7=-969/579, 4-6=0/213

JOINT STRESS INDEX
 1 = 0.80, 2 = 0.41, 3 = 0.63, 4 = 0.41, 5 = 0.80, 6 = 0.34, 7 = 0.75 and 8 = 0.34

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 350 lb uplift at joint 1 and 350 lb uplift at joint 5.

LOAD CASE(S) Standard

Job L200434	Truss T15	Truss Type HIP	Qty 1	Ply 1	LOT 23 MAYFAIR <small>Job Reference (optional)</small>
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Jun 29 16:39:21 2006 Page 1		

-2-0-0	3-9-4	7-0-0	11-0-9	14-11-7	19-0-0	22-2-12	26-0-0	28-0-0
2-0-0	3-9-4	3-2-12	4-0-9	3-10-13	4-0-9	3-2-12	3-9-4	2-0-0

Scale = 1:50.3

3-9-4	7-0-0	11-0-9	14-11-7	19-0-0	22-2-12	26-0-0
3-9-4	3-2-12	4-0-9	3-10-13	4-0-9	3-2-12	3-9-4

Plate Offsets (X,Y): [2-0-1-13,Edge], [7-0-1-13,Edge]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.71	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 1.00	Vert(LL) -0.29 10-11 >999 240	MT20H	187/143
BCLL 10.0	Lumber Increase 1.25	WB 0.53	Vert(TL) -0.47 10-11 >660 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.17 7 n/a n/a		
Weight: 128 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 2-6-7 oc purlins. BOT CHORD Rigid ceiling directly applied or 4-7-4 oc bracing.
--	--

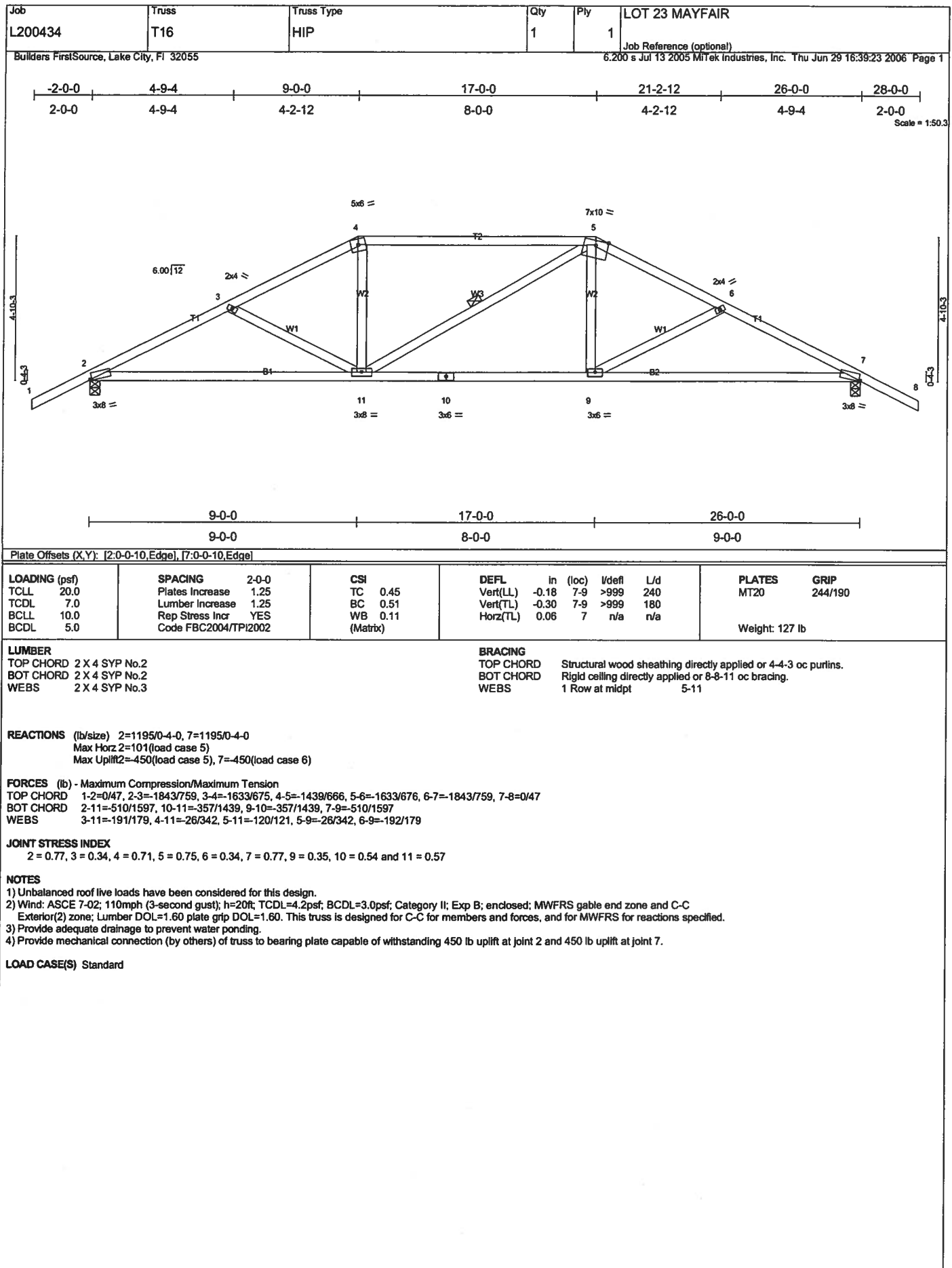
REACTIONS (lb/size) 2=2317/0-4-0, 7=2317/0-4-0
 Max Horz 2=87(load case 5)
 Max Uplift 2=1014(load case 4), 7=1014(load case 5)

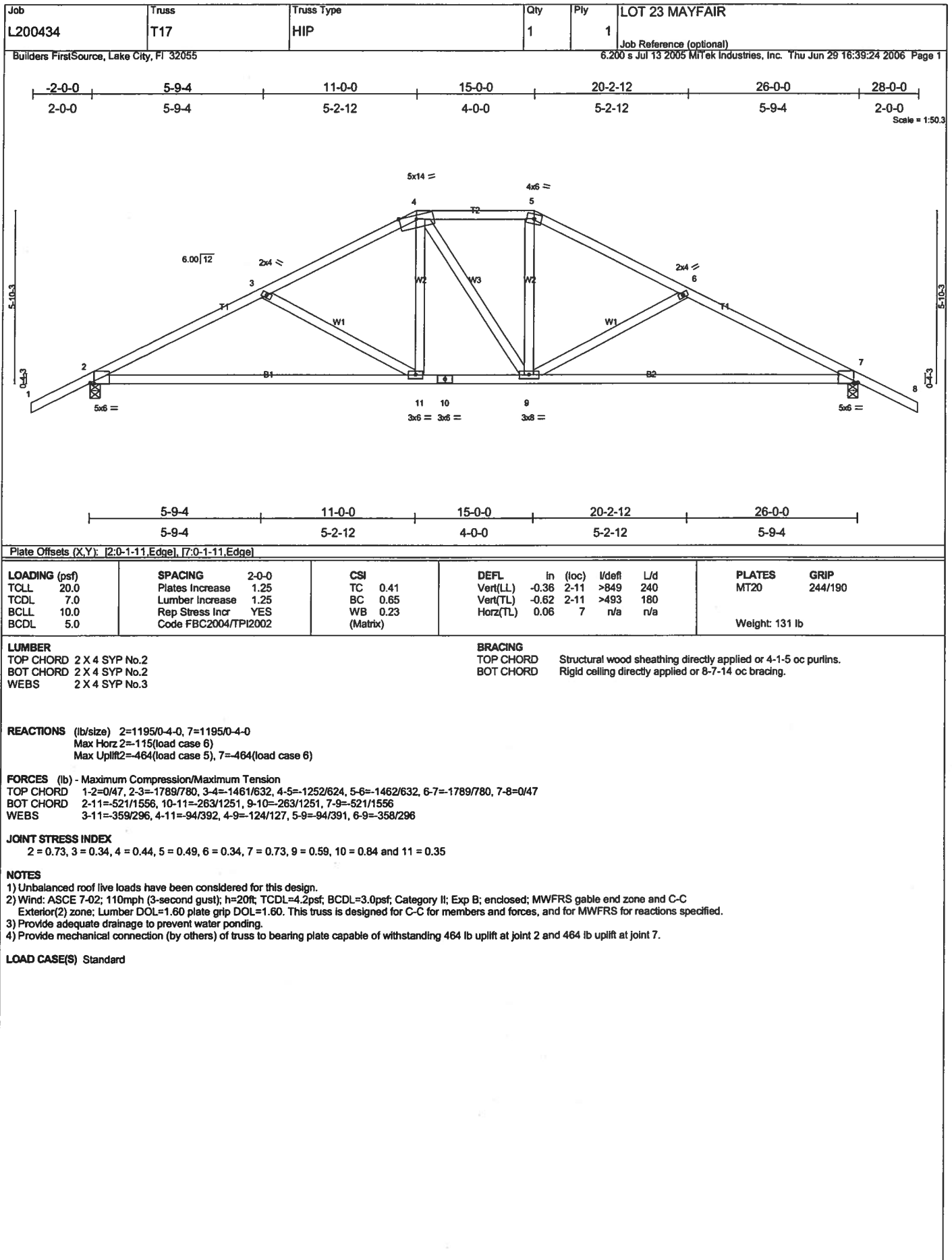
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=4284/1764, 3-4=4535/1965, 4-5=4535/1965, 5-6=3794/1628, 6-7=4285/1764, 7-8=0/47
 BOT CHORD 2-13=-1526/3732, 12-13=-1536/3765, 11-12=-1536/3765, 10-11=-1873/4533, 9-10=-1873/4533, 7-9=-1485/3733
 WEBS 3-13=-235797, 3-11=-559/1132, 4-11=-478/398, 5-11=-31/36, 5-10=0/242, 5-9=-1106/550, 6-9=-585/1531

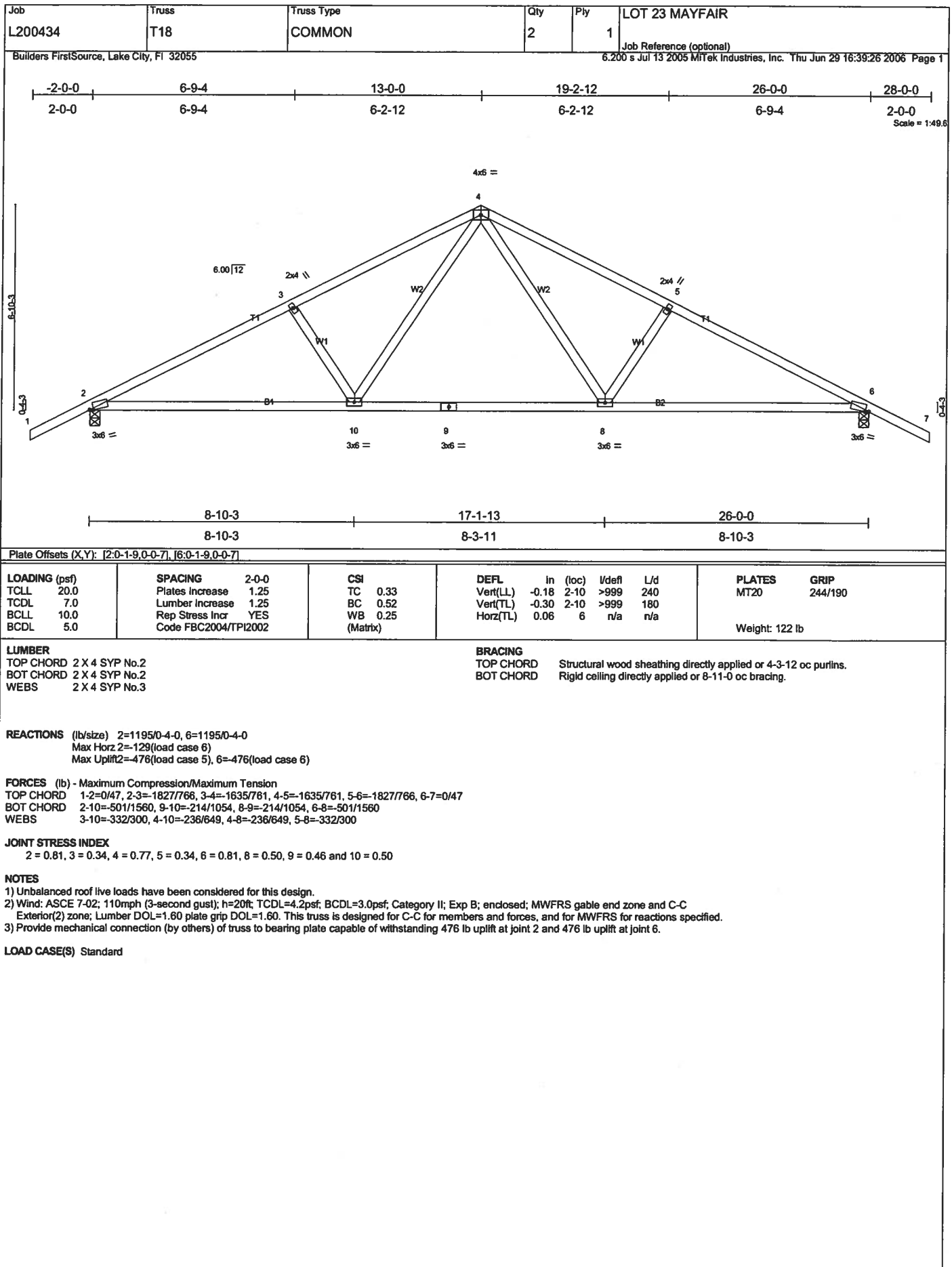
JOINT STRESS INDEX
 2 = 0.82, 3 = 0.99, 4 = 0.34, 5 = 0.57, 6 = 0.81, 7 = 0.82, 9 = 0.54, 10 = 0.34, 11 = 0.54, 12 = 0.91 and 13 = 0.58

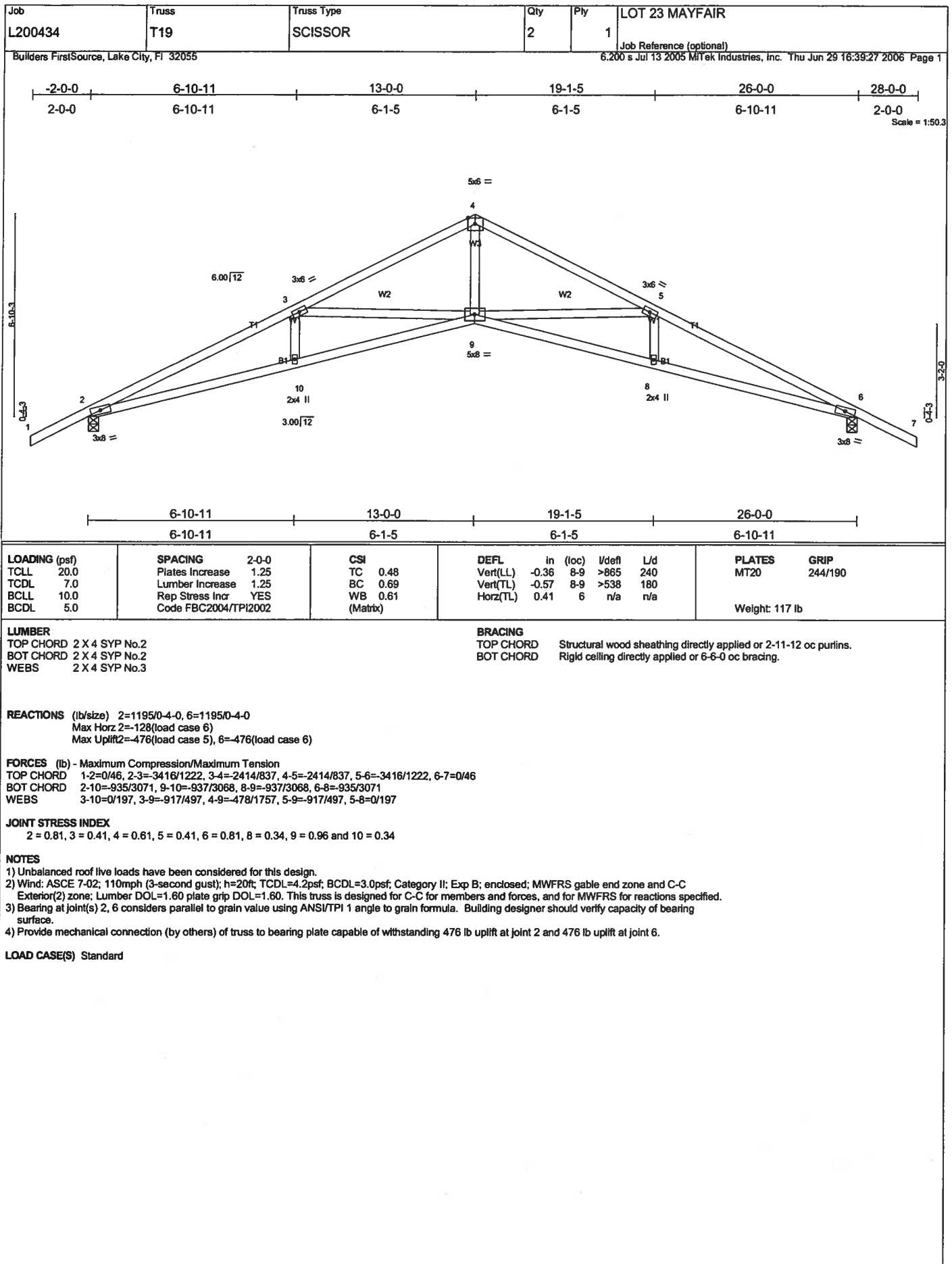
NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
 3) Provide adequate drainage to prevent water ponding.
 4) All plates are MT20 plates unless otherwise indicated.
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1014 lb uplift at joint 2 and 1014 lb uplift at joint 7.
 6) Girder carries hip end with 7-0-0 end setback.
 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 19-0-0, and 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-54, 3-6=-117(F=-63), 6-8=-54, 2-13=-30, 9-13=-65(F=-35), 7-9=-30
 Concentrated Loads (lb)
 Vert: 13=-539(F) 9=-539(F)



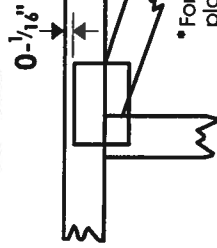
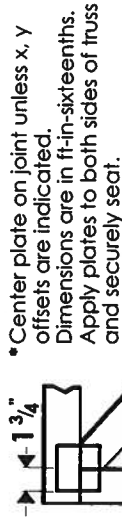






Symbols

PLATE LOCATION AND ORIENTATION



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

PLATE SIZE

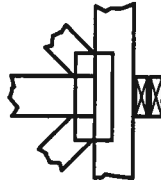
4 X 4

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

LATERAL BRACING



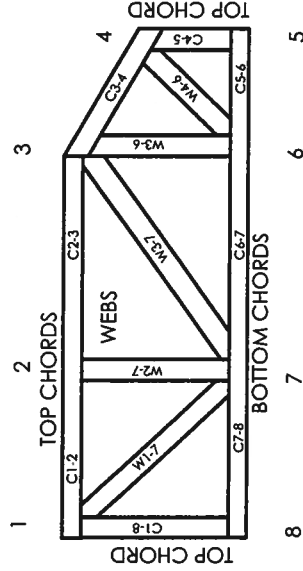
BEARING



Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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



Mitek Engineering Reference Sheet: MIL-7473



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

© 2004 Mitek®

A hand-drawn diagram of a cell. It features a large, irregular oval shape representing the cell membrane. Inside this oval is a smaller, more rounded shape representing the nucleus. To the right of the nucleus, there is a small rectangular box, likely intended for a label. The drawing is simple and appears to be done with a black marker or pen.

PHISH

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

- (1) ALL TRIM/SESS (INCLUDING TRIM/SESS UNDER VALLEY FRAMING) MUST BE COMPLETED OR REFER TO DETAIL VNS FOR ALTERNATE PRACING REQUIREMENTS,
- (2) ALL VALLETS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
- (3) ALL TRIM/SESS ARE TO BE DESIGNED FOR 2' o.c. MAXIMUM SPACING. UNLESS OTHERWISE NOTED.
- (4) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING. UNLESS OTHERWISE NOTED.
- (5) S/42 TRIM/SESS MUST BE INSTALLED WITH THE TOP BEING UP.
- (6) ALL ROOF TRIM/SESS HANKEES TO BE SHIM/SON H/5-6 UNLESS OTHERWISE NOTED. ALL FLOOR TRIM/SESS HANKEES TO BE SHIM/SON H/4-42 UNLESS OTHERWISE NOTED.
- (7) BEARING ADDED/ALIGHT (40X) TO BE FURNISHED BY BUILDER.

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

Approved by: _____ Date: _____



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

PHONE: 904-772-6100 FAX: 904-772-1973

Lake City
PHONE: 386-755-6894 FAX: 386-755-7973

Sanford

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

BUILDERS: CTFDPTC 1101/15C

ALDLIN 100ML)

LOT 23 MAYFAIR

REVISION:

SWANNEE SCALE: NTS

DATE: _____
 PLANNED BY: _____
 1001

