

DATE 06/12/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000024613

APPLICANT BRIAN TRENT GIEBEIG PHONE 386.397.0545
ADDRESS 462 SW FAIRLINGTO COURT LAKE CITY FL 32024
OWNER B. TRENT GIEBEIG PHONE 386.397.0545
ADDRESS 146 SW LIGHTER GLEN LAKE CITY FL 32025
CONTRACTOR B. TRENT GIEBEIG CONSTR., INC. PHONE 386.397.0545
LOCATION OF PROPERTY 90-W TO C-341-S, TL TO KICKLIGHTER RD, TL INTO CANNON CREEK PL
LIGHTER GLEN, TL GO TO END, JOB SITE ON R.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 94850.00
HEATED FLOOR AREA 1897.00 TOTAL AREA 2650.00 HEIGHT 16.11 STORIES 1
FOUNDATION CONC. WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC
LAND USE & ZONING RSF-2 MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO.

PARCEL ID 24-4S-16-03114-107 SUBDIVISION CANNON CREEK PLACE
LOT 7 BLOCK PHASE UNIT TOTAL ACRES 0.50

000001109 RR28281153
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
18"X32"MITERED 06-0457-N BLK JTH
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident
COMMENTS: NOC ON FILE. M.F.E. @ 102.50' . ELEVATION LETTER REQUIRED.

Check # or Cash 1578

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 475.00 CERTIFICATION FEE \$ 13.25 SURCHARGE FEE \$ 13.25
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 601.50
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.

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

NOTICE OF COMMENCEMENT

STATE OF: Florida
COUNTY OF: Columbia

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

1. Description of Property: Lot #7 Cannon Creek Place
146 SW Lighter Glen Lake City, Fl. 32025
2. General Description of Improvement: Construction of Single Family Residence
3. Owner Information:
 - a. Name and Address: Trent Giebeig Construction, Inc.
462 SW Fairlington Court Lake City, Fl. 32025
 - 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: _____

Trent Giebeig
Type Owner Name: Trent Giebeig

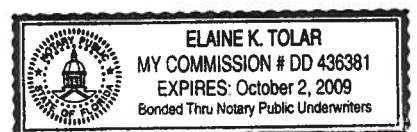
Elaine K. Tolar
Witness #1 Elaine K. Tolar

Lori G. Simpson
Witness #2 LORI G. SIMPSON

Sworn to and subscribed before me by the
Owner (s) on this 8th day of May 2006

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

Personally Known Trent Giebeig
Produced Identification _____
Did Take an Oath / Did Not Take an Oath _____



LYNCH WELL DRILLING, INC.

173 SW Tustenuggee Ave

Lake City, FL 32025

Phone 386-752-6677

Fax 386-752-1477

Cannon Creek Pl. Lot 7

Building Permit # _____ Owner's Name Trent Liebig Const

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

Casing Size 4 inch Steel Pump Installation: Deep Well SubmersiblePump Make Aermotor Pump Model S20-100 HP 1System Pressure (PSI) _____ On 30 Off 50 Average Pressure 40Pumping System GPM at average pressure and pumping level 20 (GPM)Tank Installation: Bladder/Galvanized Make Challenger
Model PC244 Size 81Tank Draw-down per cycle at system pressure 25.1 gallonsI HEREBY VERIFY THAT THIS WATER WELL SYSTEM HAS BEEN
INSTALLED AS PER THE ABOVE INFORMATION.Linda Newcomb
Signature

2609

License Number

Linda Newcomb

Print Name

5-15-06

Date

For Office Use Only Application # 0605-53 Date Received 5-15-06 By LH Permit # 1109/2403E
Application Approved by - Zoning Official BAK Date 22.05.06 Plans Examiner OK JHT Date 5-18-06
Flood Zone X Per Plat Development Permit NA Zoning RSF2 Land Use Plan Map Category Res-
Comments M.F.E. 102.50' SITE PLAN ON PLANS L.D.
Elevation Letter Required 1578

Applicants Name Trent Gierberg Const Inc Phone 397-0545
Address 462 SW Fairlington Ct Lake City
Owners Name Trent Gierberg Phone 397-0545
911 Address 146 SW Lighter Glen Lake City FL 32025
Contractors Name Trent Gierberg Const Inc Phone 752-0791
Address 462 SW Fairlington 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 03114-107 (24-45-16) Estimated Cost of Construction 100,000.00

Subdivision Name Cannon Creek Place Lot 7 Block _____ Unit _____ Phase _____

Driving Directions Sisters Welcome South Left on Kicklighter
Right into Cannon Creek Place left on SW Lighter Glen
to end job on right

Type of Construction concrete Stemwall / Frame Number of Existing Dwellings on Property 0

Total Acreage 1/2 acre Lot Size .50 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 30' Side 17' Side 40.4' Rear 36'

Total Building Height 16'11" Number of Stories 1 Heated Floor Area 1897 Roof Pitch 6/12
Porch 291 GARAGE 462 TOTAL 2,650

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.

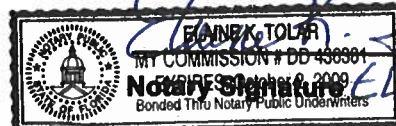
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Trent Gierberg Construction, Inc
Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this 15th day of May 2006.
Personally known X or Produced Identification _____

Trent Gierberg
Contractor Signature
Contractors License Number PR282811523
Competency Card Number 5754
NOTARY STAMP/SEAL



JW AONSEN JEN 5.23.06

Columbia County Property Appraiser

DB Last Updated: 5/5/2006

Parcel: 24-4S-16-03114-107

2006 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	GIEBEIG PETER W
Site Address	LIGHTER
Mailing Address	P O BOX 1384 LAKE CITY, FL 32056
Description	LOT 7 CANNON CREEK PLACE S/D.

Use Desc. (code)	VACANT (000000)
Neighborhood	24416.00
Tax District	2
UD Codes	MKTA06
Market Area	06
Total Land Area	0.500 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$36,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$36,000.00

Just Value	\$36,000.00
Class Value	\$0.00
Assessed Value	\$36,000.00
Exempt Value	\$0.00
Total Taxable Value	\$36,000.00

Sales History

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

Building Characteristics

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

Extra Features & Out Buildings

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

Land Breakdown

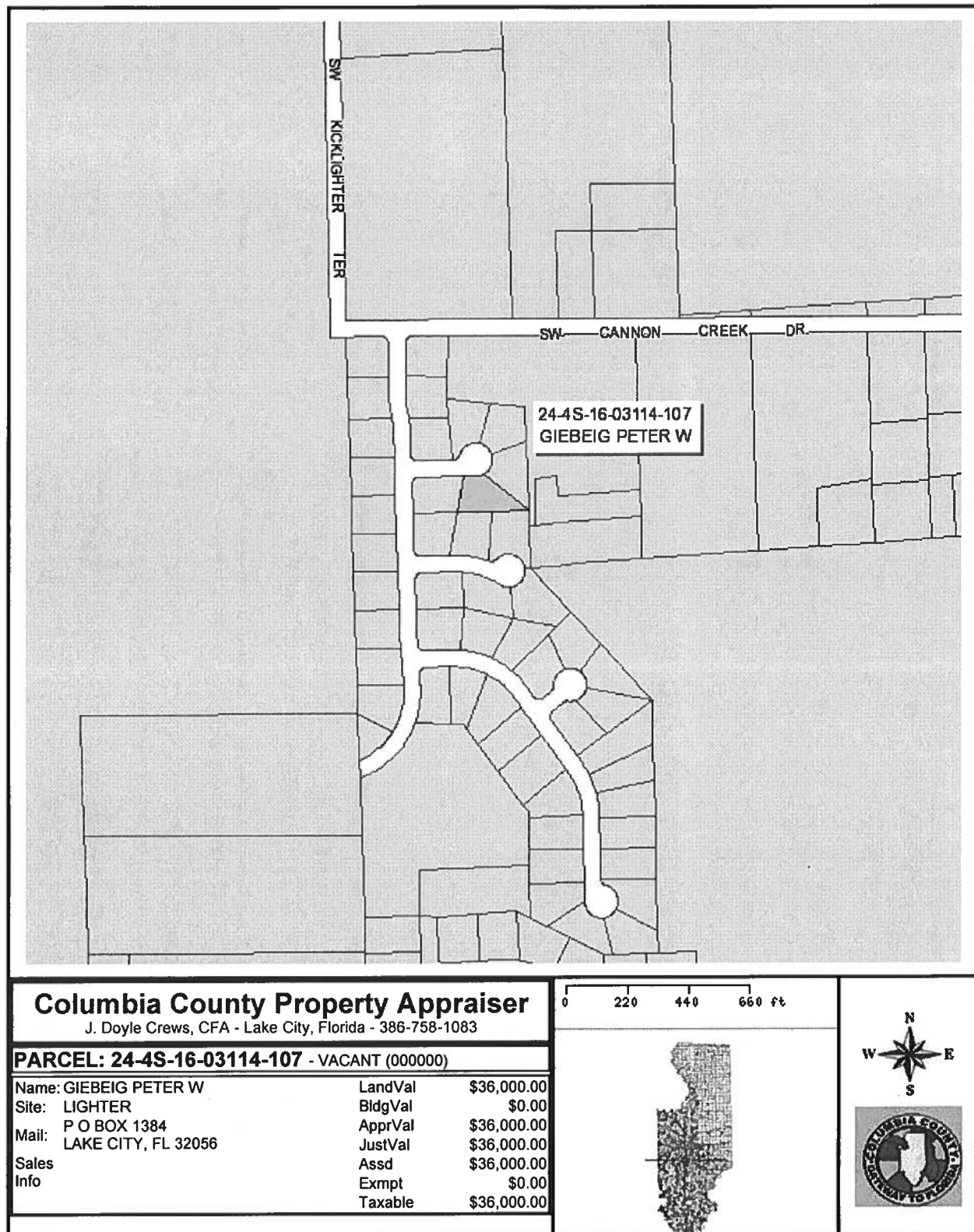
Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (.500AC)	1.00/1.00/1.00/1.00	\$36,000.00	\$36,000.00

Columbia County Property Appraiser

DB Last Updated: 5/5/2006

1 of 1

Disclaimer



This information, GIS Map Updated: 5/5/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **St Johns Cannon Creek Lot 7**
Address:
City, State: ,
Owner: **Trent Giebeig**
Climate Zone: **South**

Builder:
Permitting Office: *Columbiana*
Permit Number: *24613*
Jurisdiction Number: *22100e*

- | | | |
|-------------------------------------|---------------------|-------------|
| 1. New construction or existing | New | ___ |
| 2. Single family or multi-family | Single family | ___ |
| 3. Number of units, if multi-family | 1 | ___ |
| 4. Number of Bedrooms | 4 | ___ |
| 5. Is this a worst case? | Yes | ___ |
| 6. Conditioned floor area (ft²) | 1897 ft² | ___ |
| 7. Glass area & type | Single Pane | Double Pane |
| a. Clear glass, default U-factor | 0.0 ft² | 187.0 ft² |
| b. Default tint | 0.0 ft² | 0.0 ft² |
| c. Labeled U or SHGC | 0.0 ft² | 0.0 ft² |
| 8. Floor types | | |
| a. Slab-On-Grade Edge Insulation | R=0.0, 230.2(p) ft | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 9. Wall types | | |
| a. Frame, Wood, Exterior | R=13.0, 1841.6 ft² | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| d. N/A | | ___ |
| e. N/A | | ___ |
| 10. Ceiling types | | |
| a. Under Attic | R=30.0, 2086.7 ft² | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 11. Ducts | | |
| a. Sup: Con. Ret: Con. AH: Interior | Sup. R=6.0, 61.7 ft | ___ |
| b. N/A | | ___ |

- | | | |
|--|-------------------|-----|
| 12. Cooling systems | | |
| a. Central Unit | Cap: 36.0 kBtu/hr | ___ |
| | SEER: 10.00 | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 13. Heating systems | | |
| a. Electric Heat Pump | Cap: 36.0 kBtu/hr | ___ |
| | HSPF: 7.00 | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 14. Hot water systems | | |
| a. Electric Resistance | Cap: 50.0 gallons | ___ |
| | EF: 0.90 | ___ |
| b. N/A | | ___ |
| c. Conservation credits | | ___ |
| (HR-Heat recovery, Solar | | ___ |
| DHP-Dedicated heat pump) | | ___ |
| 15. HVAC credits | MZ-C, PT, CF, | ___ |
| (CF-Ceiling fan, CV-Cross ventilation, | | ___ |
| HF-Whole house fan, | | ___ |
| PT-Programmable Thermostat, | | ___ |
| MZ-C-Multizone cooling, | | ___ |
| MZ-H-Multizone heating) | | ___ |

Glass/Floor Area: 0.10

Total as-built points: 26010
Total base points: 32914

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: *5/17/06*

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

OWNER/AGENT: _____
DATE: _____

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



BUILDING OFFICIAL: _____
DATE: _____

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	1897.0	32.50	11097.5	Double, Clear	W	1.5	6.0	30.0	61.59	0.92	1696.3
				Double, Clear	W	1.5	6.0	30.0	61.59	0.92	1696.3
				Double, Clear	W	1.5	6.0	20.0	61.59	0.92	1130.9
				Double, Clear	N	1.5	4.0	6.0	31.93	0.89	169.6
				Double, Clear	E	1.5	7.0	30.0	68.60	0.94	1937.1
				Double, Clear	E	1.5	6.0	60.0	68.60	0.92	3776.2
				Double, Clear	S	1.5	6.0	6.0	58.45	0.87	306.6
				Double, Clear	S	1.5	2.0	5.0	58.45	0.57	166.7
				As-Built Total:		187.0			10879.6		
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		1841.6	2.40		4419.8	
Exterior	1841.6	2.70	4972.3								
Base Total:				1841.6		4972.3					
				As-Built Total:		1841.6			4419.8		
DOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	0.0	0.00	0.0	Exterior Insulated			34.0	6.40		217.6	
Exterior	34.0	6.40	217.6								
Base Total:				34.0		217.6					
				As-Built Total:		34.0			217.6		
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1897.0	2.80	5311.6	Under Attic	30.0		2086.7	2.77 X 1.00		5780.2	
Base Total:				1897.0		5311.6					
				As-Built Total:		2086.7			5780.2		
FLOOR TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Slab	230.2(p)	-20.0	-4604.0	Slab-On-Grade Edge Insulation	0.0		230.2(p)	-20.00		-4604.0	
Raised	0.0	0.00	0.0								
Base Total:				-4604.0		230.2			-4604.0		
				As-Built Total:		230.2			-4604.0		
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
1897.0 18.79 35644.6				1897.0 18.79 35644.6							

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 52639.6				Summer As-Built Points: 52337.8						
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
52639.6		0.4266	22456.1	52337.8		1.000	(1.000 x 1.165 x 0.90)	0.341	0.857	16043.9
				52337.8		1.00	1.048	0.341	0.857	16043.9

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1897.0	2.36	805.8	Double, Clear	W	1.5	6.0	30.0	3.98	1.00	119.1
				Double, Clear	W	1.5	6.0	30.0	3.98	1.00	119.1
				Double, Clear	W	1.5	6.0	20.0	3.98	1.00	79.4
				Double, Clear	N	1.5	4.0	6.0	4.38	0.99	25.9
				Double, Clear	E	1.5	7.0	30.0	3.30	1.02	100.8
				Double, Clear	E	1.5	6.0	60.0	3.30	1.02	202.2
				Double, Clear	S	1.5	6.0	6.0	3.12	1.02	19.1
				Double, Clear	S	1.5	2.0	5.0	3.12	1.25	19.5
				As-Built Total:				187.0		685.1	
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		1841.6		0.60		1105.0
Exterior	1841.6	0.60	1105.0								
Base Total:				1841.6		1105.0					
				As-Built Total:		1841.6		1105.0			
DOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM		= Points		
Adjacent	0.0	0.00	0.0	Exterior Insulated			34.0		1.80		61.2
Exterior	34.0	1.80	61.2								
Base Total:				34.0		61.2					
				As-Built Total:		34.0		61.2			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM		= Points		
Under Attic	1897.0	0.10	189.7	Under Attic	30.0		2086.7		0.10 X 1.00		208.7
Base Total:				1897.0		189.7					
				As-Built Total:		2086.7		208.7			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM		= Points		
Slab	230.2(p)	-2.1	-483.4	Slab-On-Grade Edge Insulation	0.0		230.2(p)		-2.10		-483.4
Raised	0.0	0.00	0.0								
Base Total:				-483.4		230.2		-483.4			
				As-Built Total:		230.2		-483.4			
INFILTRATION Area X BWPM = Points						Area X WPM		= Points			
						1897.0		-0.06		-113.8	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT									
Winter Base Points: 1564.5				Winter As-Built Points: 1462.7									
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	= Heating Points
1564.5		0.6274	981.5	1462.7		1.000		(1.000 x 1.137 x 0.91)		0.487		0.950	700.4
				1462.7		1.00		1.035		0.487		0.950	700.4

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank	X
Number of	X	Multiplier	=	Total	Volume	Bedrooms		Ratio	Multiplier
Bedrooms									
4		2369.00		9476.0	50.0	0.90	4	1.00	2316.36
									1.00
									9265.4
				As-Built Total:					9265.4

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling	+	Heating	+	Hot Water	=	Total	Cooling	+	Heating
Points		Points		Points		Points	Points		Points
22456		982		9476		32914	16044		700
									9265
									26010

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.1

The higher the score, the more efficient the home.

Trent Giebeig, , , ,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 36.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 10.00
4. Number of Bedrooms	4	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	1897 ft ²	___		___
7. Glass area & type	Single Pane	Double Pane		___
a. Clear - single pane	0.0 ft ²	187.0 ft ²	13. Heating systems	
b. Clear - double pane	0.0 ft ²	0.0 ft ²	a. Electric Heat Pump	Cap: 36.0 kBtu/hr
c. Tint/other SHGC - single pane	0.0 ft ²	0.0 ft ²		HSPF: 7.00
d. Tint/other SHGC - double pane			b. N/A	___
8. Floor types			c. N/A	___
a. Slab-On-Grade Edge Insulation	R=0.0, 230.2(p) ft	___	14. Hot water systems	
b. N/A		___	a. Electric Resistance	Cap: 50.0 gallons
c. N/A		___		EF: 0.90
9. Wall types			b. N/A	___
a. Frame, Wood, Exterior	R=13.0, 1841.6 ft ²	___	c. Conservation credits	
b. N/A		___	(HR-Heat recovery, Solar	
c. N/A		___	DHP-Dedicated heat pump)	
d. N/A		___	15. HVAC credits	MZ-C, PT, CF, ___
e. N/A		___	(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types			HF-Whole house fan,	
a. Under Attic	R=30.0, 2086.7 ft ²	___	PT-Programmable Thermostat,	
b. N/A		___	MZ-C-Multizone cooling,	
c. N/A		___	MZ-H-Multizone heating)	
11. Ducts				
a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 61.7 ft	___		
b. N/A		___		

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

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip: _____



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

Energy Gauge Version: FLRCPB v3.30)

Residential System Sizing Calculation

Summary

Trent Giebeig

Project Title:
St Johns Cannon Creek Lot 7

Code Only
Professional Version
Climate: South

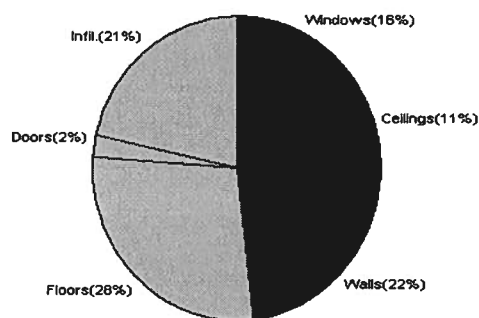
5/17/2006

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	25776 Btuh	Total cooling load calculation	24894 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	139.7 36000	Sensible (SHR = 0.5)	93.7 18000
Heat Pump + Auxiliary(0.0kW)	139.7 36000	Latent	316.6 18000
		Total (Electric Heat Pump)	144.6 36000

WINTER CALCULATIONS

Winter Heating Load (for 1897 sqft)

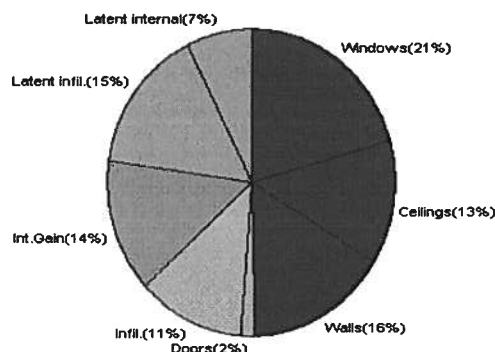
Load component		Load	
Window total	187 sqft	4021	Btuh
Wall total	1842 sqft	5709	Btuh
Door total	34 sqft	623	Btuh
Ceiling total	2087 sqft	2713	Btuh
Floor total	230 ft	7274	Btuh
Infiltration	127 cfm	5436	Btuh
Subtotal		25776	Btuh
Duct loss		0	Btuh
TOTAL HEAT LOSS		25776	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1897 sqft)

Load component		Load	
Window total	187 sqft	5182	Btuh
Wall total	1842 sqft	3941	Btuh
Door total	34 sqft	424	Btuh
Ceiling total	2087 sqft	3255	Btuh
Floor total		0	Btuh
Infiltration	111 cfm	2805	Btuh
Internal gain		3600	Btuh
Subtotal(sensible)		19208	Btuh
Duct gain		0	Btuh
Total sensible gain		19208	Btuh
Latent gain(infiltration)		3845	Btuh
Latent gain(internal)		1840	Btuh
Total latent gain		5685	Btuh
TOTAL HEAT GAIN		24894	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: W. H. H. H.
DATE: 5/17/06

System Sizing Calculations - Winter

Residential Load - Component Details

Trent Giebeig

Project Title:
St Johns Cannon Creek Lot 7

Code Only
Professional Version
Climate: South

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

5/17/2006

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	30.0	21.5	645 Btuh
3	2, Clear, Wood, DEF	N	20.0	21.5	430 Btuh
4	2, Clear, Wood, DEF	E	6.0	21.5	129 Btuh
5	2, Clear, Wood, DEF	S	30.0	21.5	645 Btuh
6	2, Clear, Wood, DEF	S	60.0	21.5	1290 Btuh
7	2, Clear, Wood, DEF	W	6.0	21.5	129 Btuh
8	2, Clear, Wood, DEF	W	5.0	21.5	108 Btuh
Window Total			187		4021 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1842	3.1	5709 Btuh
Wall Total			1842		5709 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		34	18.3	623 Btuh
Door Total			34		623Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2087	1.3	2713 Btuh
Ceiling Total			2087		2713Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	230.2 ft(p)	31.6	7274 Btuh
Floor Total			230		7274 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	18970(sqft)	127	5436 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				127	5436 Btuh

Totals for Heating	Subtotal	25776 Btuh
	Duct Loss(using duct multiplier of 0.00)	0 Btuh
	Total Btuh Loss	25776 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

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

System Sizing Calculations - Summer

Residential Load - Component Details

Trent Giebeig

Project Title:
St Johns Cannon Creek Lot 7

Code Only
Professional Version
Climate: South

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 5/17/2006

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	30.0	0.0	30.0	24	24	720	Btuh
3	2, Clear, DEF, N, N	N	1.5	6	20.0	0.0	20.0	24	24	480	Btuh
4	2, Clear, DEF, N, N	E	1.5	4	6.0	0.0	6.0	24	74	444	Btuh
5	2, Clear, DEF, N, N	S	1.5	7	30.0	30.0	0.0	24	39	720	Btuh
6	2, Clear, DEF, N, N	S	1.5	6	60.0	60.0	0.0	24	39	1440	Btuh
7	2, Clear, DEF, N, N	W	1.5	6	6.0	0.0	6.0	24	74	444	Btuh
8	2, Clear, DEF, N, N	W	1.5	2	5.0	3.1	1.9	24	74	214	Btuh
Window Total					187					5182	Btuh
Walls 1	Type	R-Value			Area		HTM		Load		
	Frame - Exterior	13.0			1841.6		2.1		3941 Btuh		
	Wall Total				1841.6				3941 Btuh		
Doors 1	Type	R-Value			Area		HTM		Load		
	Insulated - Exter				34.0		12.5		424 Btuh		
	Door Total				34.0				424 Btuh		
Ceilings 1	Type/Color	R-Value			Area		HTM		Load		
	Under Attic/Dark	30.0			2086.7		1.6		3255 Btuh		
	Ceiling Total				2086.7				3255 Btuh		
Floors 1	Type	R-Value			Size		HTM		Load		
	Slab-On-Grade Edge Insulation	0.0			230.2 ft(p)		0.0		0 Btuh		
	Floor Total				230.2				0 Btuh		
Infiltration	Type	ACH			Volume		CFM=		Load		
	Natural	0.35			18970		110.9		2805 Btuh		
	Mechanical						0		0 Btuh		
	Infiltration Total						111		2805 Btuh		

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	8	X	300 +		3600 Btuh
					1200

Totals for Cooling	Subtotal	19208 Btuh
	Duct gain(using duct multiplier of 0.00)	0 Btuh
	Total sensible gain	19208 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	3845 Btuh
	Latent occupant gain (8 people @ 230 Btuh per person)	1840 Btuh
	Latent other gain	0 Btuh
TOTAL GAIN		24894 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(U) or numerical value(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001109

DATE 06/12/2006 PARCEL ID # 24-4S-16-03114-107

APPLICANT BRIAN TRENT GIEBEIG PHONE 386.397.0545

ADDRESS 462 SW FAIRLINGTON CT. LAKE CITY FL 32024

OWNER B. TRENT GIEBEIG PHONE 386.397.0545

ADDRESS 146 SW LIGHTER GLEN LAKE CITY FL 32025

CONTRACTOR B. TRENT GIEBEIG CONSTR., INC. PHONE 386.397.0545

LOCATION OF PROPERTY 90-W TO C-341-S, TL TO KICKLIGHTER RD, TL INTO CANNON CREEK PLACE TO
LIGHTER GLEN, TL GO TO END, JOB SITE ON R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT CANNON CREEK PLACE 7

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

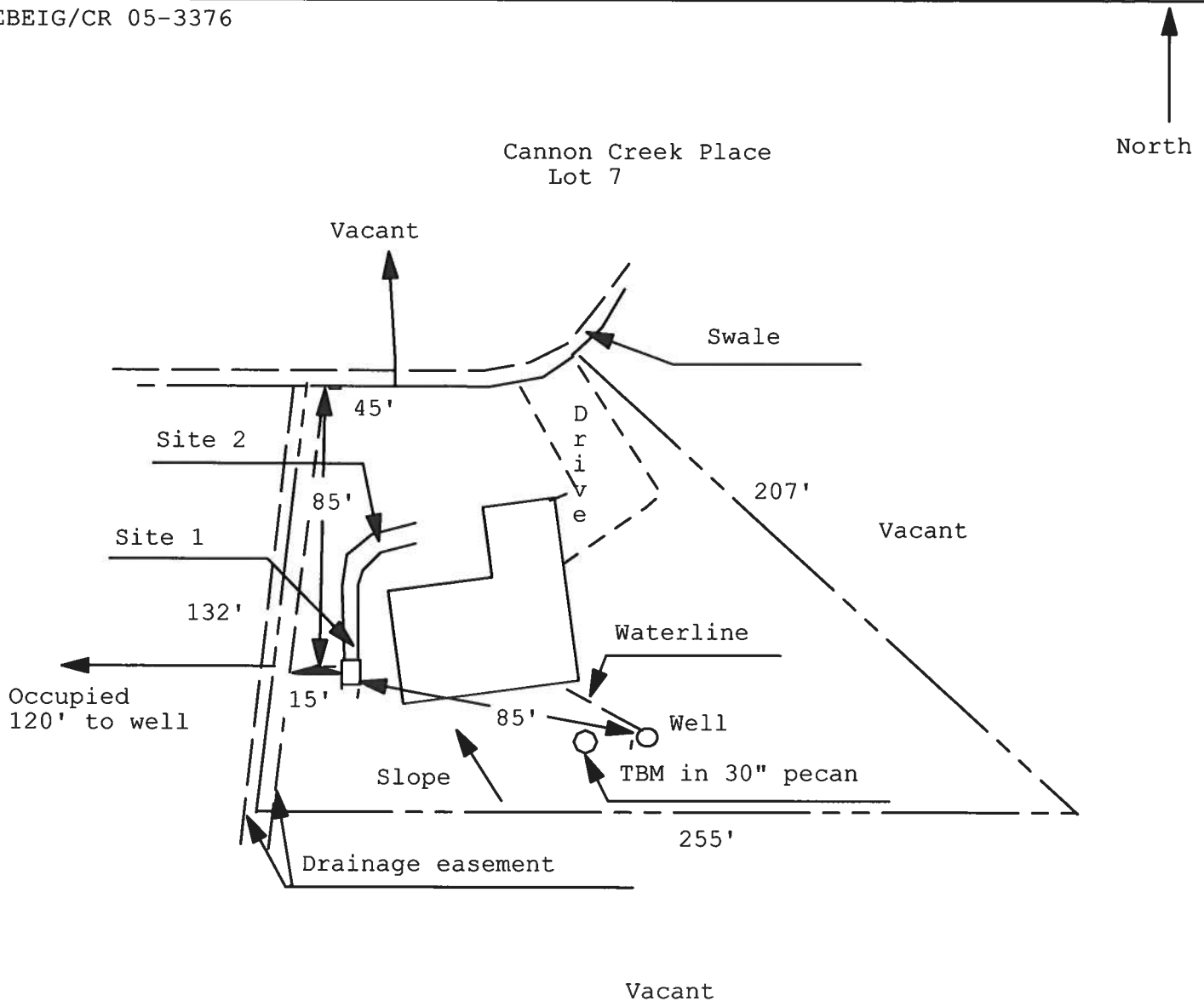
Amount Paid 25.00



**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 06-0457N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GIEBEIG/CR 05-3376



1 inch = 50 feet

Site Plan Submitted By Paul Lep Date 5/2/06
Plan Approved ☒ Not Approved ☐ Date 5/8/06

By M. A. 21 Columbia CPHU

Notes: _____



Architectural Testing

**ANSI/AAMA/NWWDA 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/NWDA 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/NWDA 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

01-47320.03
Page 3 of 7

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	0.13"/25%	0.50"/100%
	Lock stile	0.19"/38%	0.50"/100%
	In remaining direction - 50 lbs		
	Top rail	0.09"/19%	0.50"/100%
	Bottom rail	0.06"/13%	0.50"/100%



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)	0.62"	See Note #2
	47.2 psf (negative)	0.54"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	67.5 psf (positive)	0.04"	0.21" max.
	70.8 psf (negative)	0.08"	0.21" max.

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years from the original test date. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced except in full without approval of Architectural Testing.

For ARCHITECTURAL TESTING, INC:



Digitally Signed by: Eric Westphal

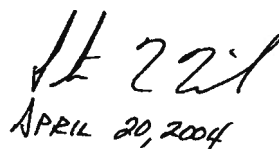
Eric Westphal
Technician

EW:dme
01-47320.03



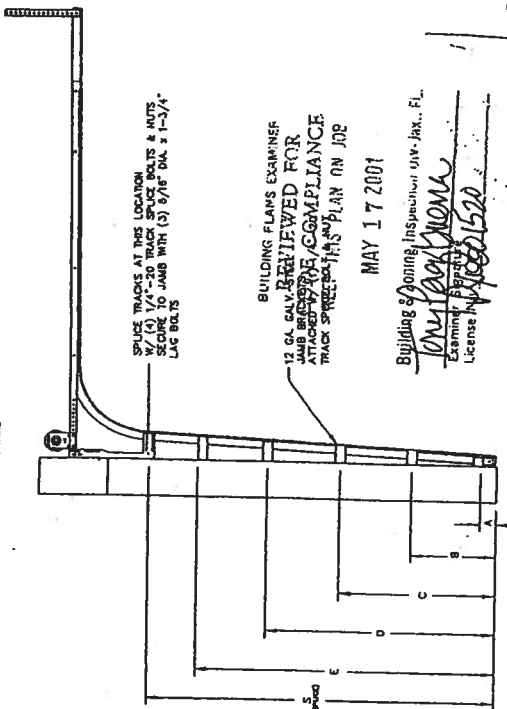
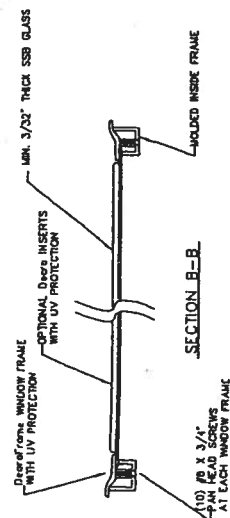
Digitally Signed by: Steven M. Urich

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


APRIL 20, 2004

GLAZING OPTION CROSS SECTION

TEST NO. SEC-500-011 ON OCTOBER 12, 1995 INCLUDED GLASS WINDOWS IN THE DOOR BEING USED. THE TEST PRESSURES WERE 414.4 PSF AND -64.7 PSF. BY COMPARISON, FOUR (4) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OF THE 8' X 7' AND 8' X 8' MODEL 600 AND 650 DOORS.

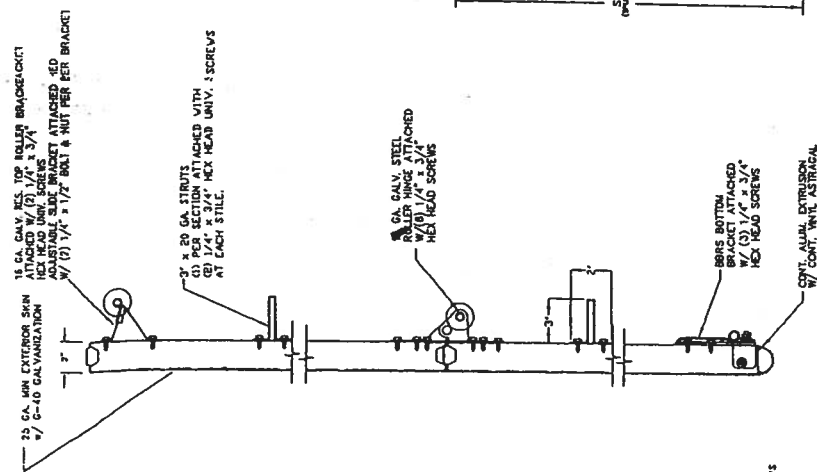


TRACK CONFIGURATION FOR 6'6" UP TO 8' TALL DOORS

JAMB BRACKET LOCATIONS	A	B	C	D	E	S
6'-6"	4"	21-1/2"	39"	57"	75"	70"
7'-0"	4"	21-1/2"	42"	60"	78"	76"
7'-6"	4"	21-1/2"	45"	63"	81"	79"
8'-0"	4"	21-1/2"	48"	66"	84"	82"

1. DOORS AND HARDWARE SHALL BE CONSIDERED MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY UBC. 2. DOOR SECTIONS SHALL BE 20 GA. (ENT) MIN. ROLL FORMED. 3. DOORS UP TO 7' HIGH CONSIST OF (1) SECTION AS SHOWN. 4. DOORS UP TO 8' HIGH CONSIST OF (2) SECTIONS AS SHOWN. 5. SUPPORTING STRUCTURE SHALL BE 12 GA. GALV. STEEL. 6. BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS. 7. THE METHOD OF TESTING SHALL BE IN ACCORDANCE WITH UBC. 8. WITH THE PROCEEDING DESCRIBED IN ASTM E1364-01 AND THE PRESSURES SHOWN ON THE DRAWING ARE CALCULATED USING THE FOLLOWING PARAMETERS:
- A. BASIC WIND SPEED OF 110 MPH
 - B. EXPOSURE CATEGORY B
 - C. 15' MEAN ROOF HEIGHT AT ANY SLOPE
 - D. USE FACTOR OF 1.0
 - E. COEFFICIENT RATING OF C

Amant Architect
 1000 S. 10th St.
 Suite 100
 Fort Lauderdale, FL 33315
 Phone: (954) 581-1111
 Fax: (954) 581-1112
 Email: info@amantarchitect.com
 Website: www.amantarchitect.com

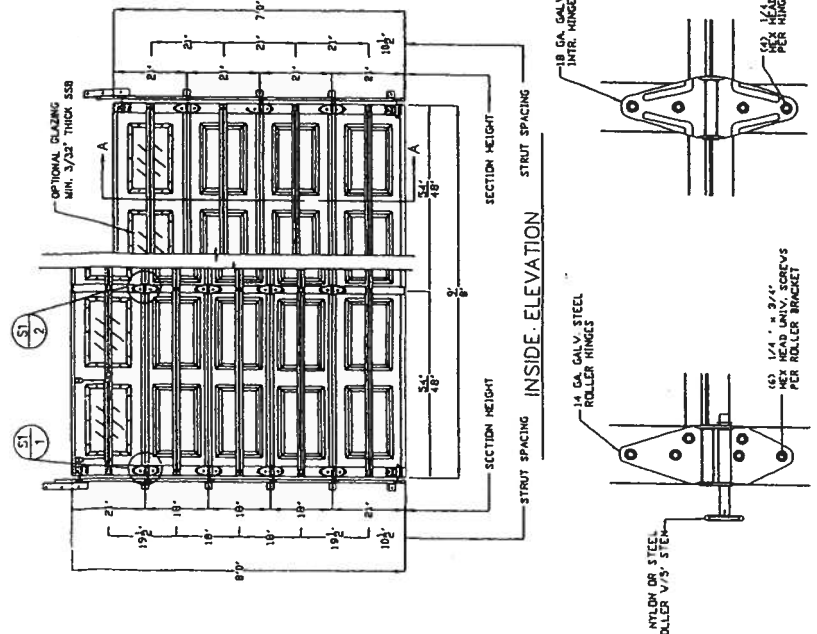


SECTION A-A (SIDE VIEW)

WOOD JAMB ATTACHMENT TO STRUCTURE

RATED FOR 110 MPH FASTEST-HALE BASIC WIND SPEEDS

- VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
 5/16" X 3" LAG BOLTS STARTING 6" FROM ENDS THEN 24" O.C.
 VERTICAL JAMB ATTACHMENT TO 2x6 JOIST
 1/2" DIA. BOLT 3/4" X 4" STARTING 6" FROM ENDS THEN 24" O.C.
 1/2" DIA. SLAVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
 1/2" DIA. ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
 VERTICAL JAMB ATTACHMENT TO 2x6 JOIST
 1/2" DIA. BOLT 3/4" X 4" STARTING 6" FROM ENDS THEN 24" O.C.
 1/2" DIA. SLAVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
 1/2" DIA. ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
 LAGS AND BOLTS CAN BE COMPROMISED TO PROVIDE A FLUSH FINISHING SURFACE. W/REPAIR OF WOOD JAMBS BY OTHERS.

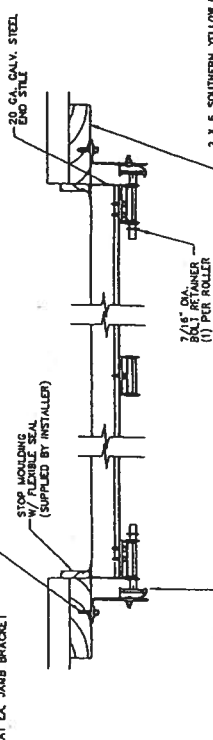


TYP. ROLLER BRACKET (1) PER ROLLER N.T.S.

TYP. HINGE CONNECTION (2) N.T.S.

(1) 5/16" DIA. X 1-3/4" LAG BOLT ATTACHED TO JAMB AT EACH JAMB BRACKET

TRACK MOUNTING DETAIL





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 1-800-641-4611.

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.

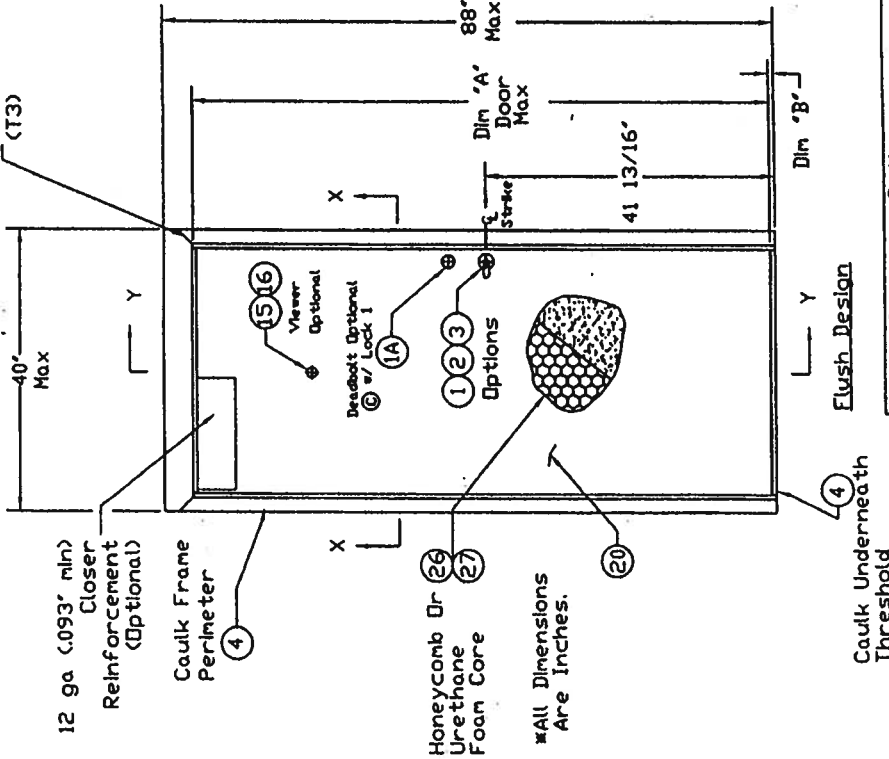
This NOA consists of this page 1 as well as approval document mentioned above.

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**

Frame Corners Welded (T3)



In-Swing Door (Exterior View)

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

Approved as complying with the Florida Building Code
 Date: 02/06/02 31, 2002
 NOAH 02-0807-07
 Mutual Door Products Company
 Drawing 1-11.indd

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

Caulk Frame Perimeter

4

Honeycomb Or Urethane Foam Core

All Dimensions Are Inches.

20

Caulk Underneath Threshold

Flush Design

4

Design Pressure Rating

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

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

40' Max

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

Caulk Frame Perimeter

4

X

Deadbolt Optional w/ Lock 1

1516

123 Options

1A

Strike

Dim A Door Max

88' Max

41 13/16

Dim B

Embossed Design

4

Caulk Underneath Threshold

4

Y

X

Notes:

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

MATERIAL SPECIFICATIONS:

Finish: Rust Inhibitive Primer

3-0 x 7-0 Series

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

CECO DOOR PRODUCTS

Milan, Tennessee 38358

ISSUE

REVISIONS

DRAWN BY: LT

DATE: 5/22/02

DRAWING NUMBER: RD0728

Sheet 1 of 9

Revised Per Marked-Up Drawings From LT 10/10/02

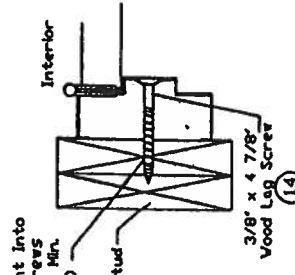
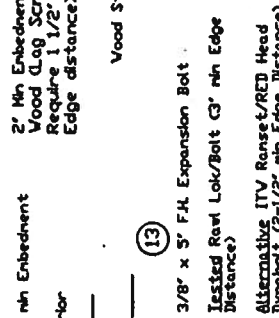
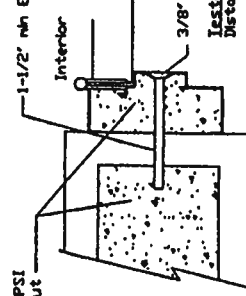
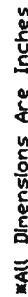
Revised Per Marked-Up Drawings From LT 8/28/02

Min. 3500 PSI

Min. 3500 PSI

15d 005E 4H 3500 PSI

15d 005E 4H 3500 PSI



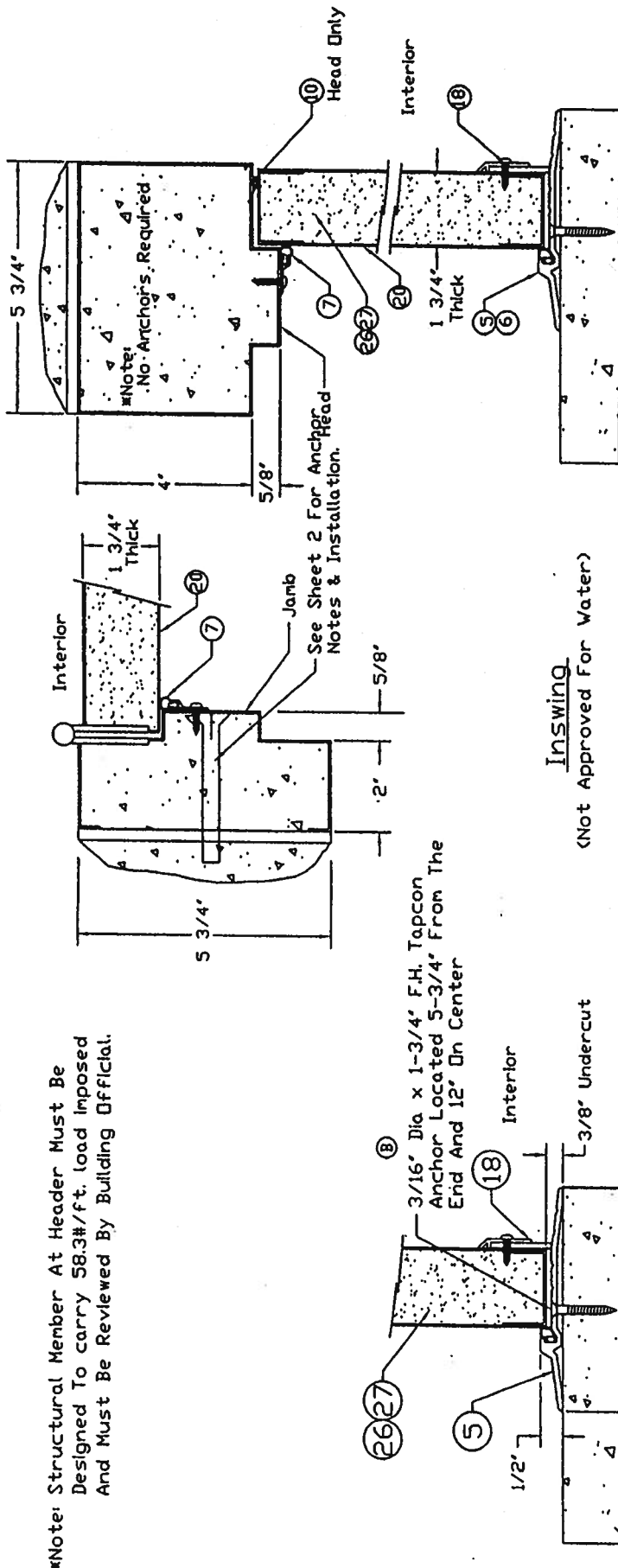
Approved as complying with the
Florida Building Code
Date 06/31/2002
NOA# 02-080704
Miami Dade Product Control
Division
By Sgt. J. Chaudh

A LT	Revised Per Marked Up Drawings From Ishaq Chanda.	
	ISSUE	REVISIONS
DRAWN BY:	LT	DATE: 5/22/02
DRAWING NUMBER:		RD0728
		Sheet 2 of 9

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

CECO DOOR PRODUCTS
Milan, Tennessee 38358

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

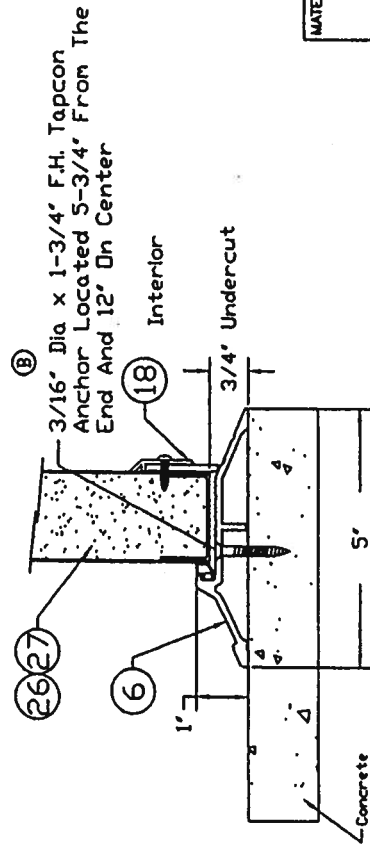


Section Y-Y

Inswing
(Not Approved For Water)

Note: Thresholds Not Approved For Water.

Threshold: Penko 2005AV



Threshold: Penko 181AV

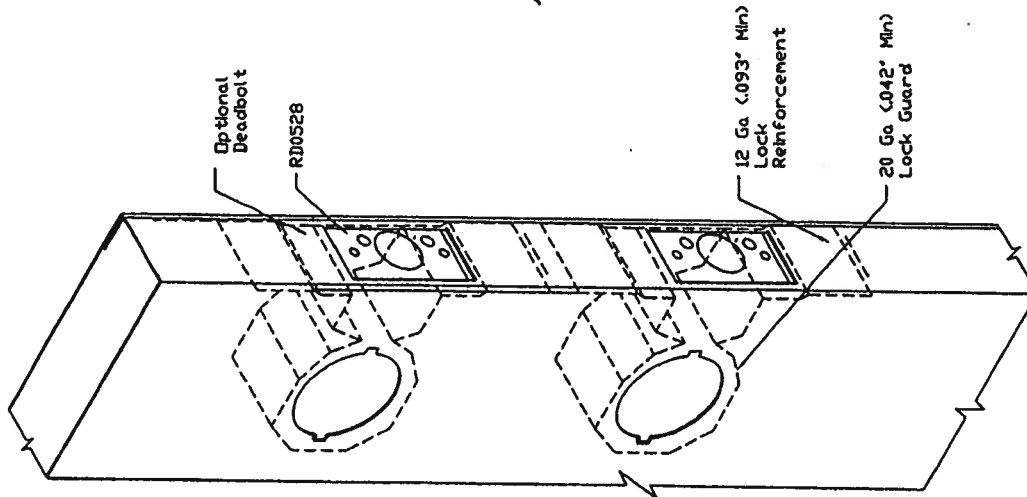
Approved as complying with the
Florida Building Code
Date: OCT 11, 2002
NOA# 02-030702
Miami Dade Product Control
Division
By: [Signature]

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

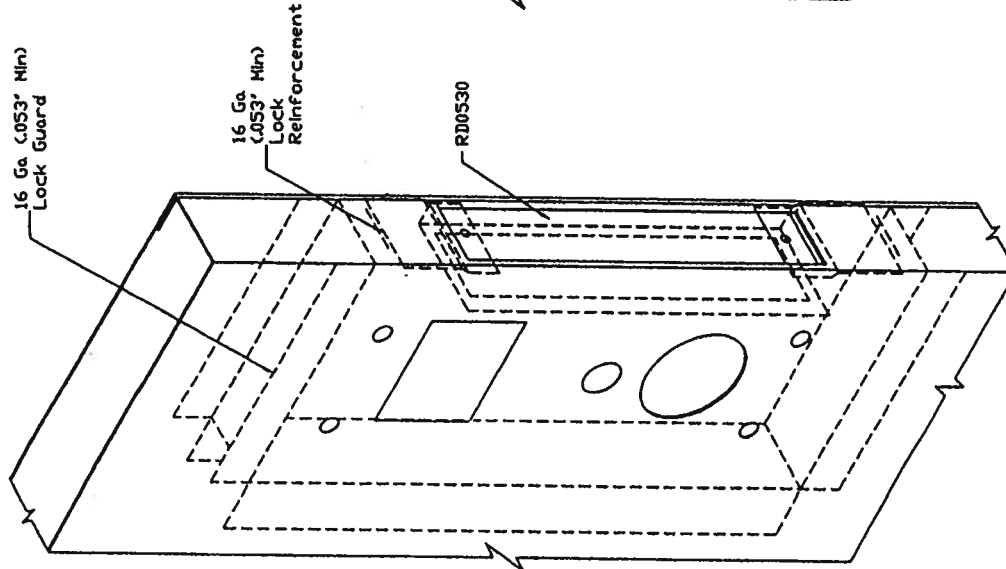
ISSUE	REVISIONS
DATE	5/22/02
BY	LT

RD0728
Sheet 3 of 9

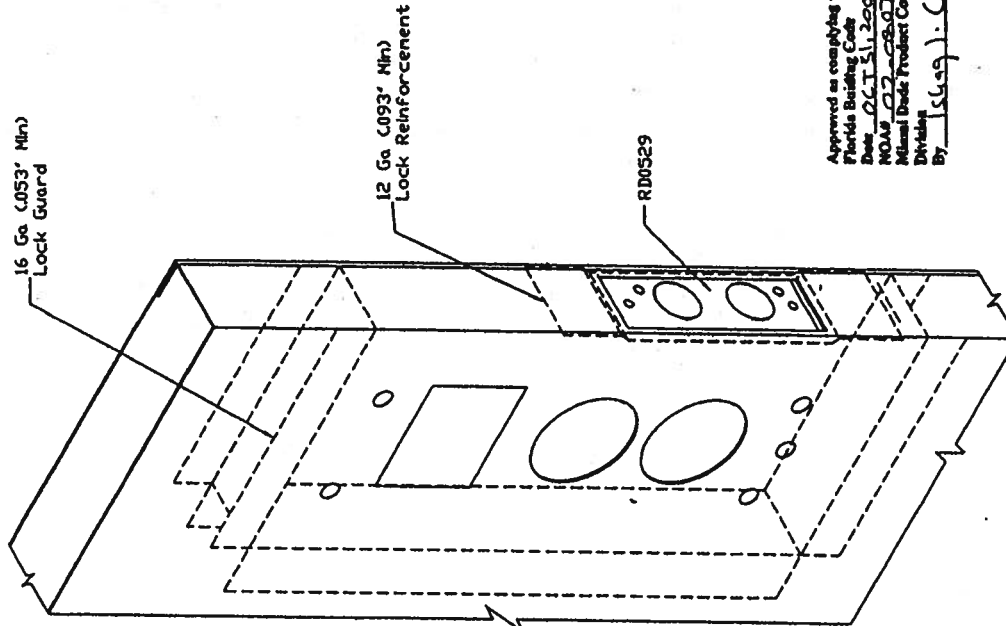
MATERIAL SPECIFICATIONS:	Threshold & Weatherstrip (Inswing Doors) Regent, Omega, Imperial, Versadoor Installation Details
	CECO DOOR PRODUCTS Milan, Tennessee 38358



Schlage AL53PD



Saflok MT



Saflok Premier SL2500

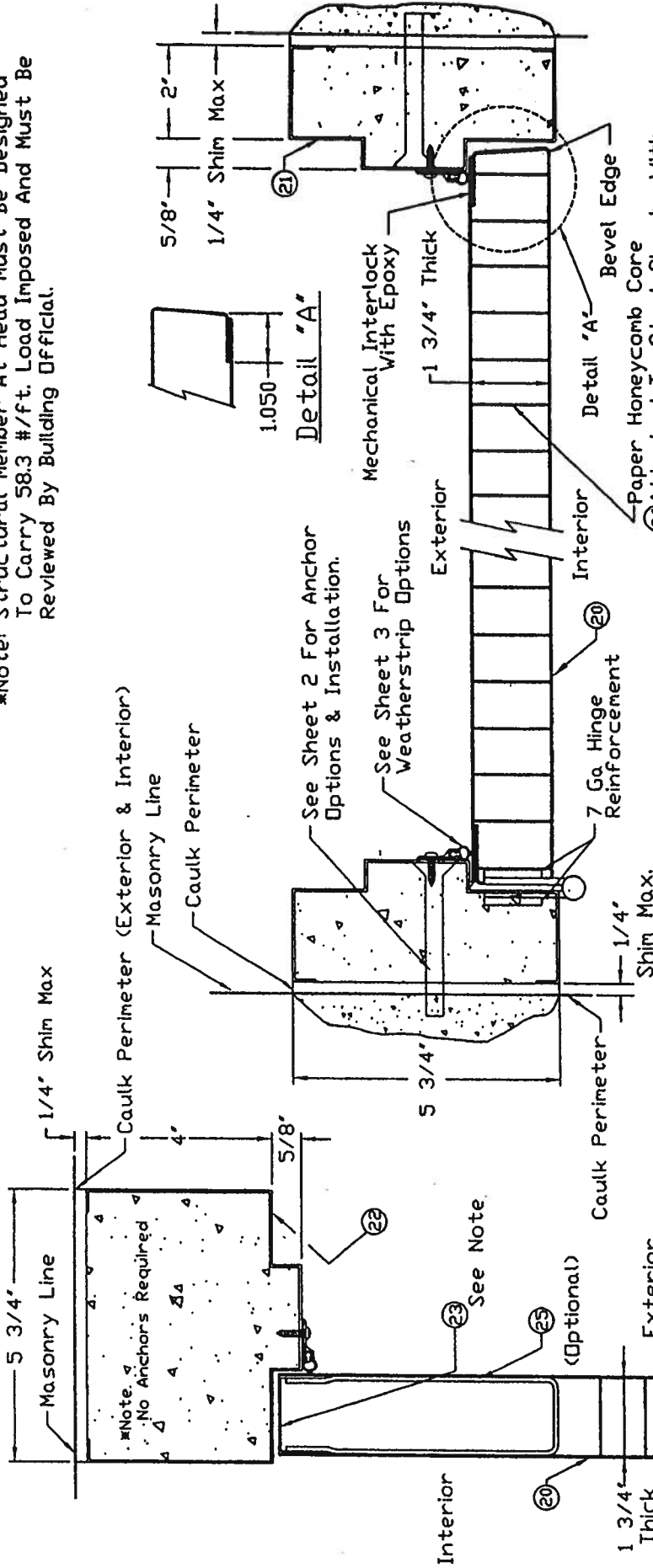
Approved as complying with the
Florida Building Code
Date 06/11/11
RD0528 RD0530 RD0533
Minimum Dead Bolt Product Control
Division By [Signature]

MATERIAL SPECIFICATIONS:

Lock Reinforcement (Inswing Doors)
Regent, Omega, Imperial, Versadoor
Reinforcement Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

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



Section X-X

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

MATERIAL SPECIFICATIONS:

Cross Section View
(Inswing Doors)
Regent Handed Door

CECO DOOR PRODUCTS
Millan, Tennessee 38358

ISSUE	REVIEWS
DRAWN BY: LT	DATE: 5/22/02
DRAWING NUMBER:	

RD0728
Sheet 5 of 9

With
Approved as complying with the
Florida Building Code
Date 06/13/2002
NOA# 02-0807-04
Miami Dade Product Control
Division
By Slater, L. L. and

C	Revised Per Marked -up Drawings From LT	Revised Per Marked -up Drawings From LT
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ISSUE	REVIEWS
DRAWN BY: LT	DATE: 5/22/02
DRAWING NUMBER:	

RD0728
Sheet 5 of 9

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

MATERIAL SPECIFICATIONS:

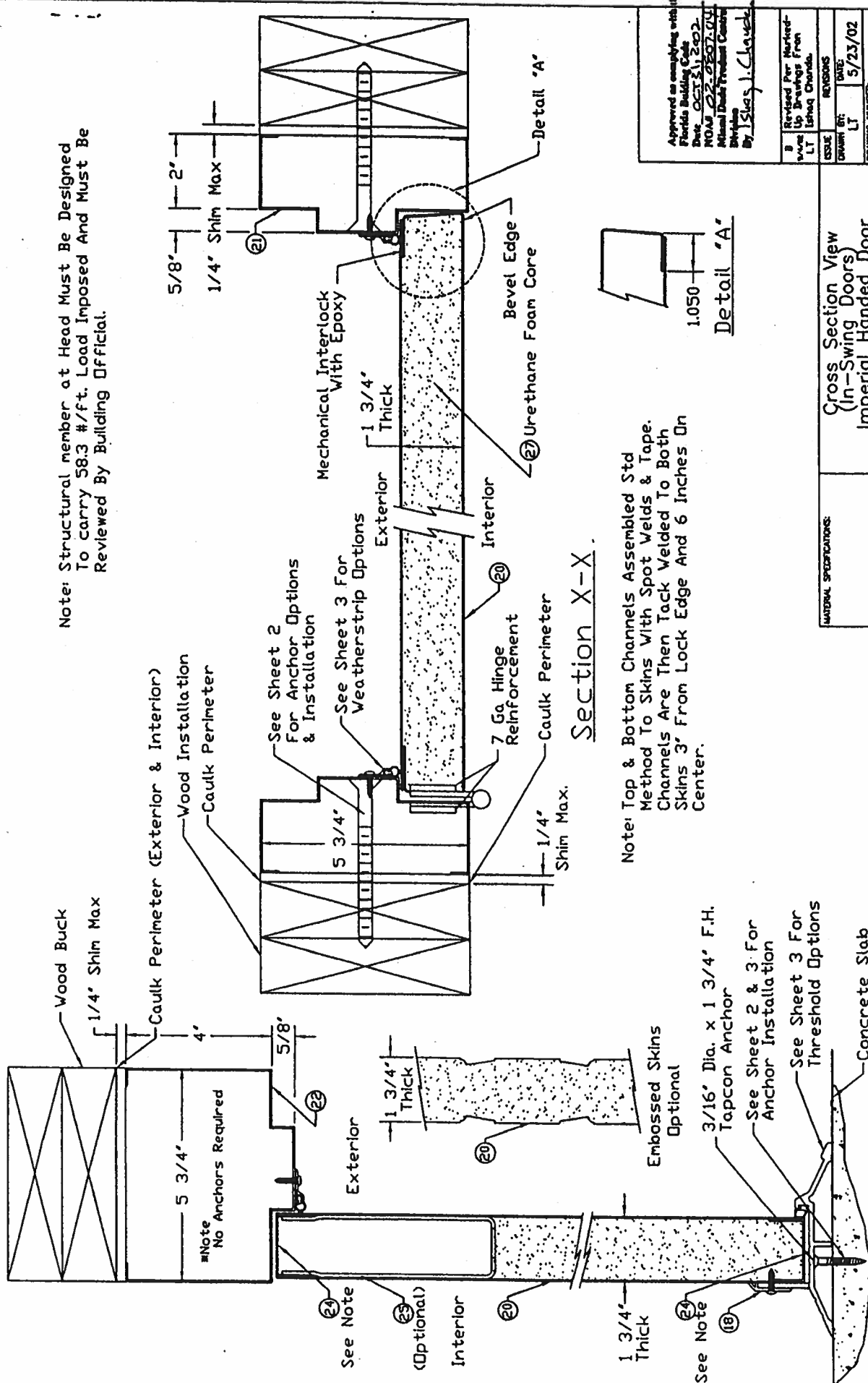
**Cross Section View
(In-Swing Doors)
Omega Handed Door**

CECO DOOR PRODUCTS
Milan, Tennessee 38358

B	Revised Per Marked -up Drawings From LT	(Jahqu Chando.
A	Revised Per Marked -up Drawings From LT	(Jahqu Chando.
ISSUE	REVISIONS	
DRAWN BY: LT	DATE:	5/23/02
DRAWING NUMBER:		RD0728
		Sheet 6 of 9

RD0728
Sheet 6 of 9

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

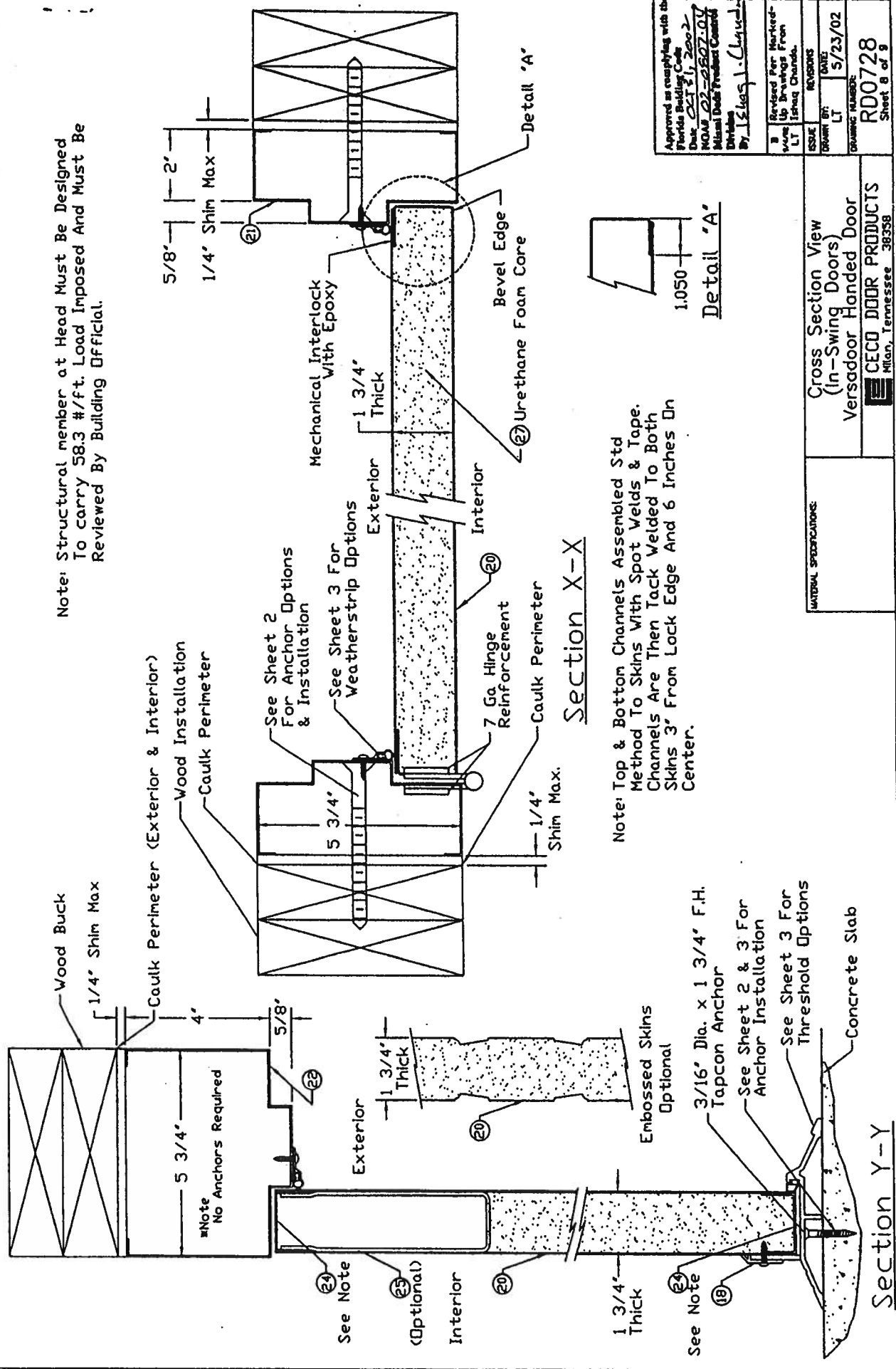


Note: Top & Bottom Channels Assembled Std Method To Skins With Spot Welds & Tape. Channels Are Then Tack Welded To Both Skins 3" From Lock Edge And 6 Inches On Center.

Approved as complying with the Florida Building Code
Date OCT 21 2002
NOAA 02-2807-001
Miami-Dade Product Center
Division
By J. Slay, J. Chavala

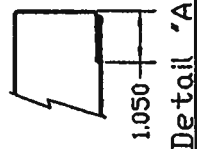
9	Revised Per Marked-up Drawings From LT	DATE	5/23/02
ISSUE	REVISIONS	DATE	
CHANG	LT	DATE	
DRAWING NUMBER	RD0728		
Sheet 7 of 9			

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



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

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



Approved as complying with the Florida Building Code	
Drawn	2/1/21, 2002
NOAA	02-2507-017
Missal Draft Product Control	
Division	
By: 12/14/21 J. (L) (L) (L)	
Revised Per Marked-up Drawings From LT	
ISSUE	REVISED
DATE	5/23/02
DRAWING NUMBER	
RD0728	
Sheet 8 of 9	

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

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

Approved as complying with the
Florida Building Code
Date: Oct 31, 2002
NOAH 22-0807-00
Miami Dade Product Control
Division
By: LS/LSA J. Chanda

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

MATERIAL SPECIFICATIONS:

3-0 x 7-0 Series
In-Swing Bill Of Materials

 **CECO DOOR PRODUCTS**
Milan, Tennessee 38358



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

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

NOTICE OF ACCEPTANCE (NOA)

**Ceco Door Products
9159 Telecom Drive
Milan, TN 38358**

out swing

SCOPE:

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

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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.

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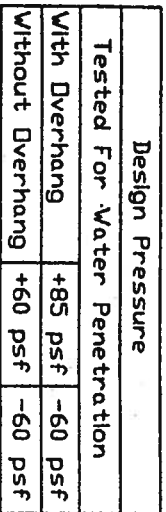
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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

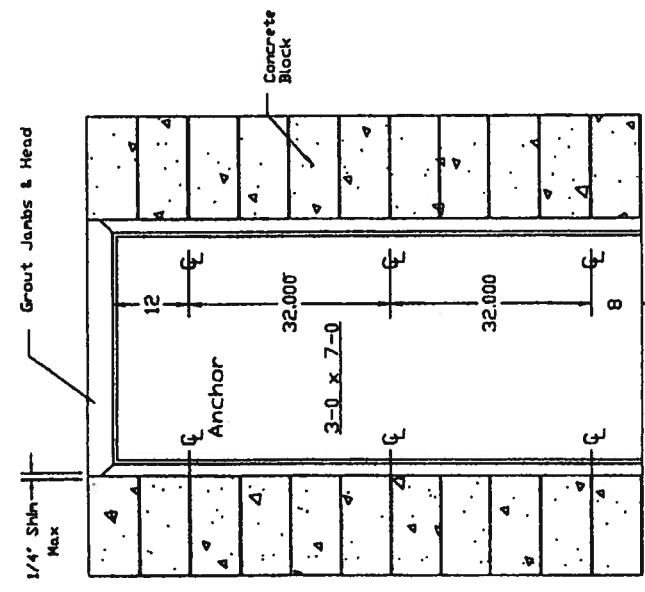
This NOA renews NOA # 00-0315.03 and consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by Manuel Perez, P.E.



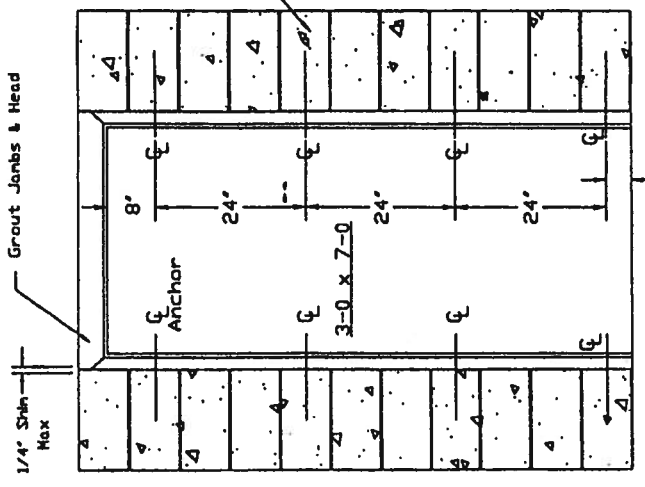
**NOA No 03-0411.01
Expiration Date August 14, 2008
Approval Date: May 15, 2003
Page 1**



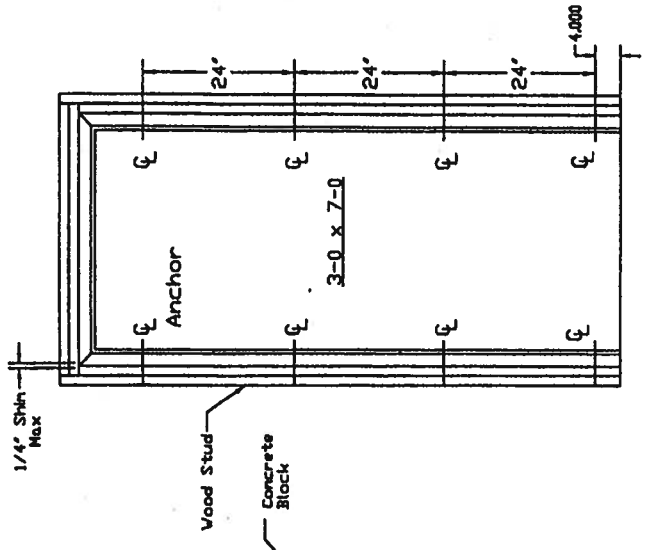
RD0087
Sheet 1 of 7



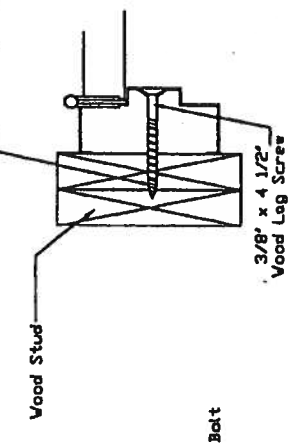
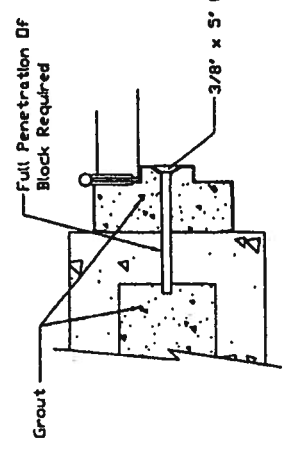
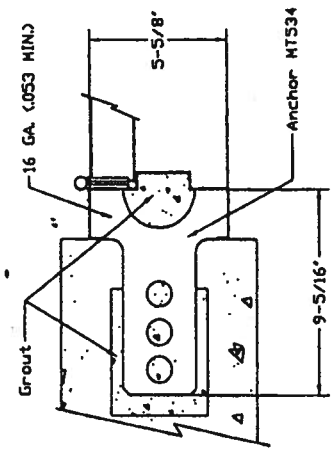
Masonry 'T' Anchor



Existing Opening Anchor Into Block



Existing Opening Anchor Into Wood Stud



NOTES:
1. SEE SHEET 7 FOR BILL OF MATERIALS

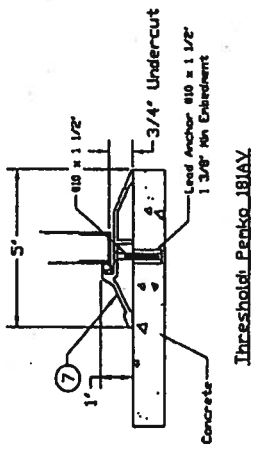
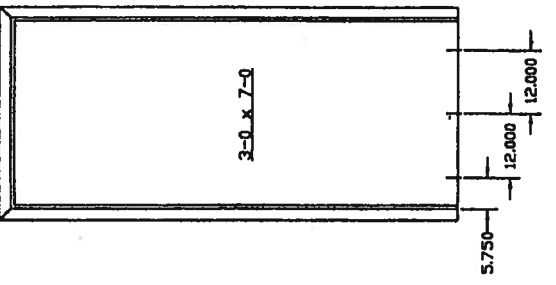
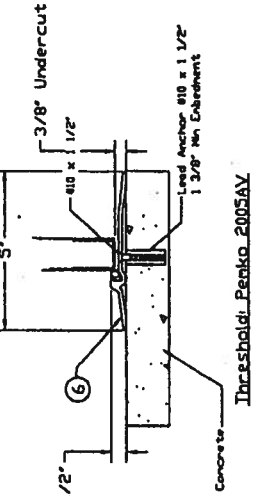
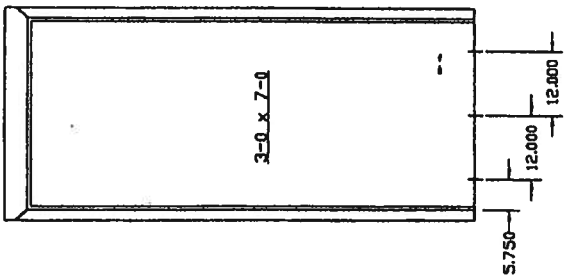
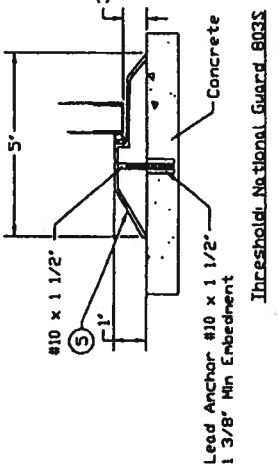
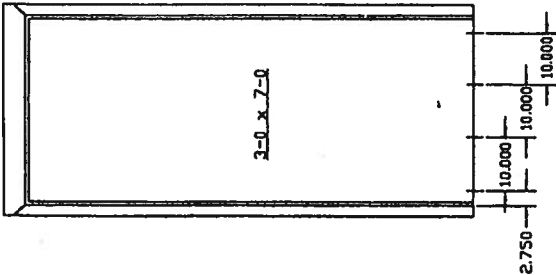
MATERIAL SPECIFICATIONS:

Frame Anchor
Installation Details
CECO DOOR PRODUCTS
Millen, Tennessee 38358

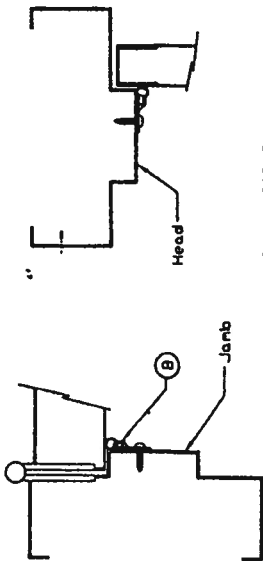
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE 08/20/00
BY Shawmut
PRODUCT CONTROL DIVISION ON
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315-03

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0411-01
Expiration Date 06/12/2008
By Shawmut
Miami Code Product Control
Division

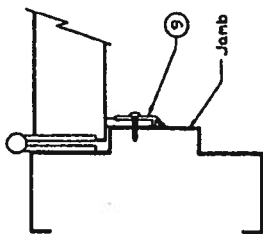
7/22/00 A	Revised Format, Transferred Information from NOA
7/22/07 GWS	Revised Sheet Number
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 5/30/97
DRAWING NUMBER: RD0087	Sheet 2 of 7



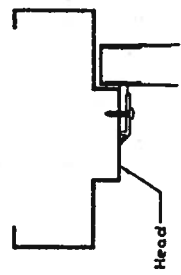
NOTE: 1. All thresholds shown are made from extruded aluminum with slide-in vinyl weatherstrip insert.



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

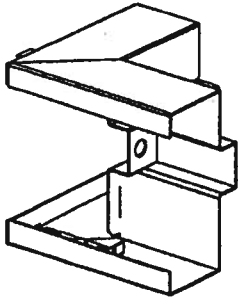
NOTE: 4. See Sheet 7 For Bill of Material

CECO DOOR PRODUCTS
Milan, Tennessee 37358

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. **09-041-D1**
Expiration Date **08/18/2008**
By **Michael D. [Signature]**
Miami/Dade Product Control
Division

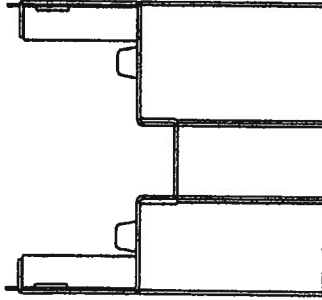
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **08/20/00**
BY **[Signature]**
PHODUC CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **00-0315-03**

7/24/97 C GWS	Revised Format, Transferred Information from NOA
7/24/97 B GWS	Revised Sheet Number
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 5/30/97
RD0087 Sheet 3 of 7	

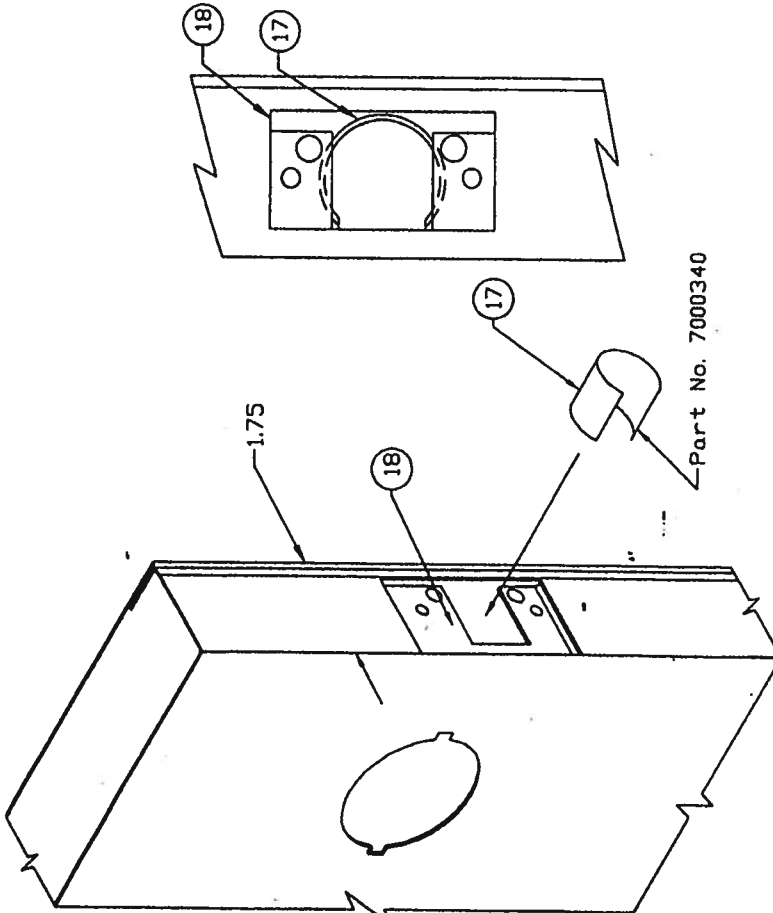


Interlocking Fold Over Tab

Frame Head



Frame Jamb



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

MATERIAL SPECIFICATIONS:

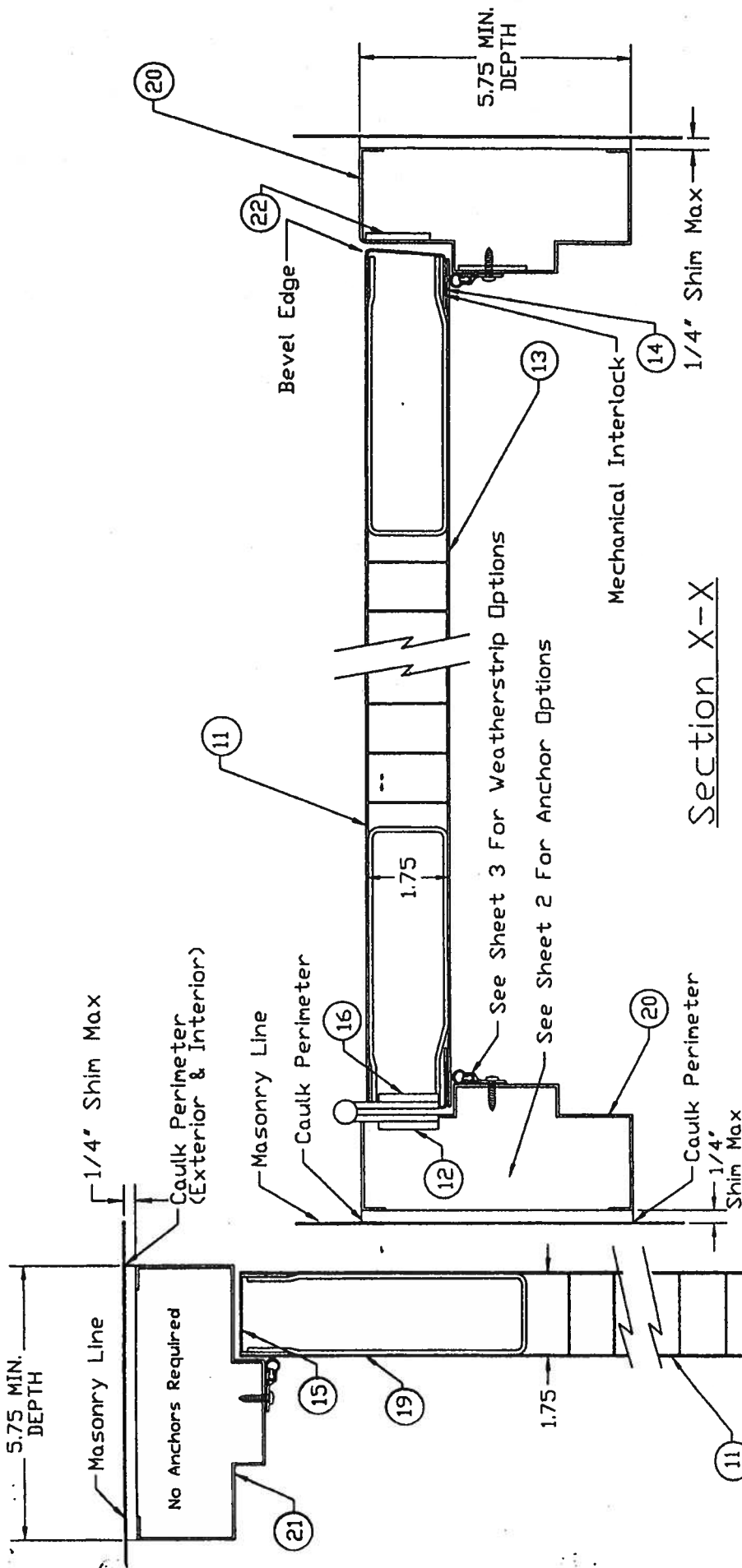
Cylindrical Lock Reinforcement
and "SF" Series Frame Corner
Installation Details

 CECO DOOR PRODUCTS
Milan, Tennessee 38358

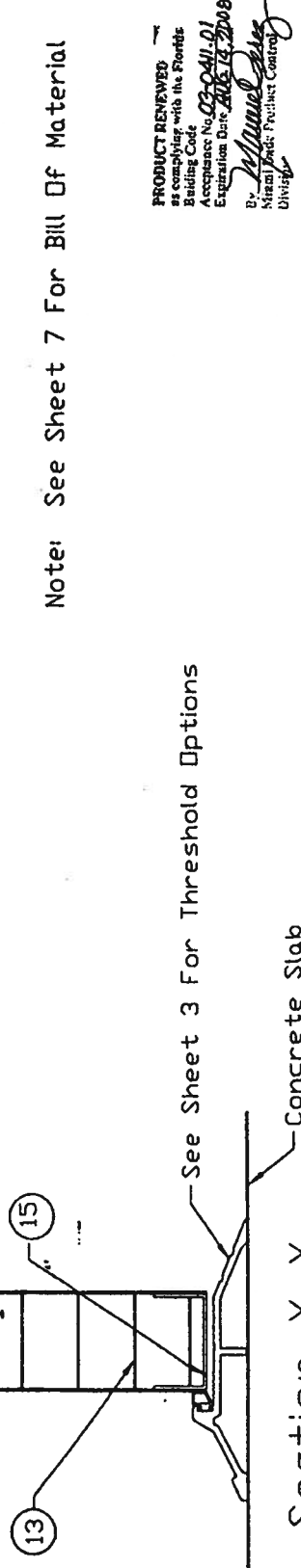
PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-0411-01
Expiration Date 06/18/2008
By M. M. M. M. M.
Miami-Dade Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE June 08/2000
BY M. M. M. M. M.
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0541-03

Revised Format, Transferred Information from MOA	REVISIONS
Revised Sheet Number	DATE: 6/06/97
ISSUE	DRAWN BY: GWS
7/2/97 GWS	DRAWING NUMBER: RD00087
7/2/97 GWS	Sheet 4 of 7



Section X-X



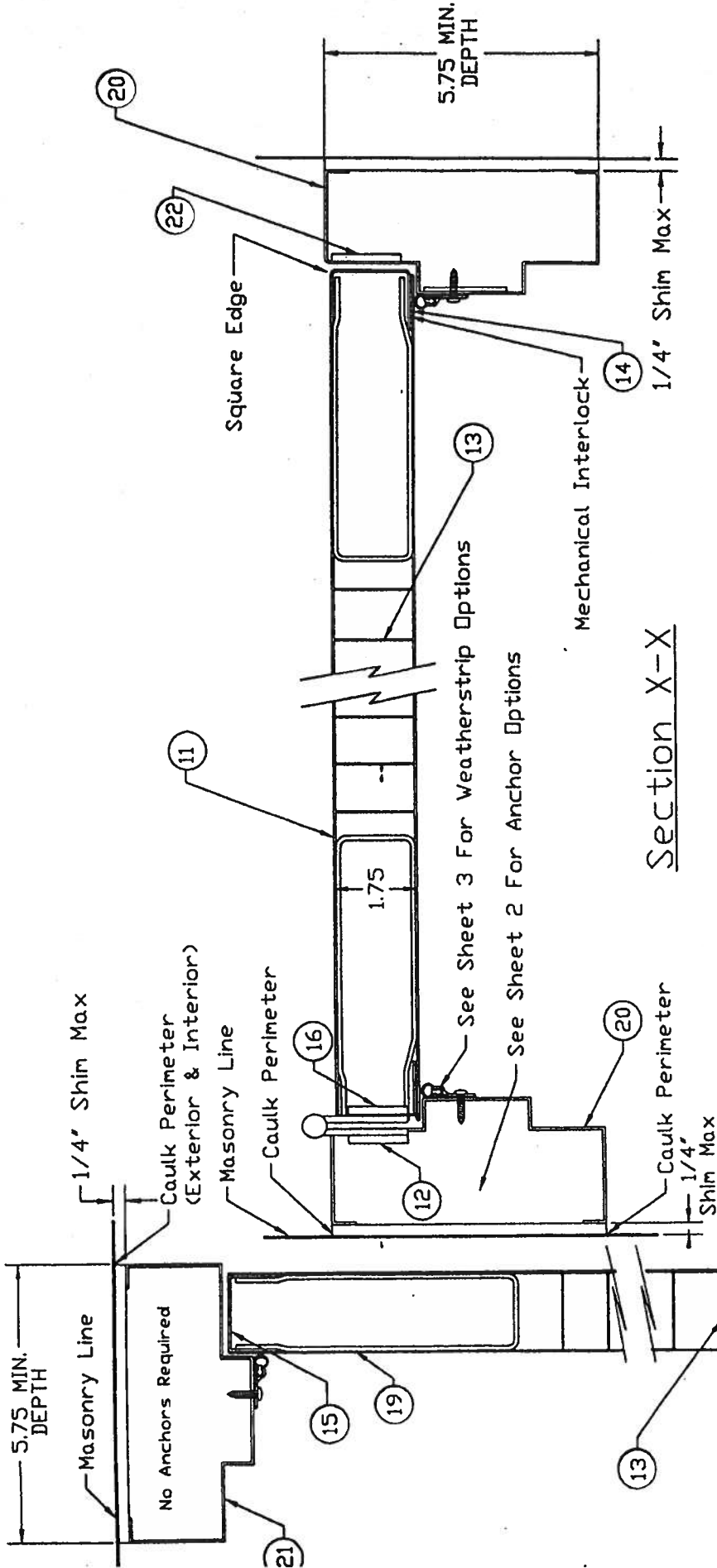
Note: See Sheet 7 For Bill Of Material

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 03-0411.01
Expiration Date: 12/14/2008
By: *Michael Davis*
Miami Field Product Control
Division

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: *June 28, 2000*
BY: *Michael Davis*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0315.03

7/22/97	7/22/97	7/22/97	7/22/97
ISSUE	REVISIONS	DATE	DATE
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MATERIAL SPECIFICATIONS:	Cross Section View	REVISIONS
	Regent Door	DATE: 5/30/97
	CECO DOOR PRODUCTS	DRAWING NUMBER: RD0087
	Milan, Tennessee 38358	Sheet 5 of 7



Section X-X

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE	
DATE: <u>Febr 09 2000</u>	BY: <u>Michael D. ...</u>
PRODUCT CONTROL DIV'S ON BUILDING CODE COMPLIANCE OFFICE	
ACCEPTANCE NO. <u>20-031623</u>	
2.0	Revised Format, Transferred
7/22/97	Information from NDA
ISSUE	Revised Sheet Number
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 2012.12.3008
By: Michael D. ...
Miami Dade Product Control

Section Y-Y

MATERIAL SPECIFICATIONS:

Cross Section View
Omega Door

 CECO DOOR PRODUCTS
Milan, Tennessee 38358

ITEM	QTY	DESCRIPTION	MATERIAL	SIZE
1	1	SCHLAGE SERIES A530PD GRADE 2, LATCH LOCK, SINGLE LEVER DR KNOB OPERATED		
2	1	HARRIS SERIES 17DAB GRADE 2, LATCH LOCK, INSIDE/OUTSIDE LEVER OPERATED		
3	1	YALE SERIES A53070 GRADE 2 LATCH LOCK, SINGLE LEVER DR KNOB OPERATED		
4	1	CAULK FOR INSTALLATION AND WEATHERSTRIP ADAPTER SCREWS FRAME PERIMETER (INSIDE & OUT) AND FRAME SILL CORNERS	GE SILICONE HOUSEHOLD SEALANT	
5	1	NATIONAL GUARD #803S		
6	1	PEMKO #2005AV		
7	1	PEMKO #181AV		
8	1 ROW	PEMKO #303AS HIGH SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPTER WITH A SILICON (TH) BULB INSERT		
9	1 ROW	NATIONAL GUARD #130NA 1-1/4" WIDE X 0.188" SURFACE APPLIED EXTRUDED ALUMINUM WEATHERSTRIP ADAPTER WITH A FOAM INSERT		
10	3	HAGAR BB1279, 4-1/2" X 4-1/2" X .0134" THICK STEEL HINGE EACH ATTACHED WITH EIGHT #12-24 X 1/2" FH NS		
11	1	HINGE REINFORCING PLATE TO ASTM A366 AND ASTM-A568	COMMERCIAL QUALITY COLD ROLLED STEEL MINIMUM YIELD STR. OF Fy=36,000 psi	18 GAUGE .0412" MIN. THICK
12	3	JAMB 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	DENFLEX 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 .0053" 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. STEEL	.015" THICK X 1.313 INSIDE DIAMETER
18	1	DOOR LOCK REINFORCEMENT	STEEL	16 GA. .0093"
19	1	DOOR CLOSER REINFORCEMENT, ROLLED FORM CHANNELS TACK WELDED TO DOOR END CHANNELS		
20	2	SERIES "SF", FRAME JAMB, DOUBLE RABBIT PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	16 GA. .0053" MIN STEEL	2" FACE, 5-3/4" DEPTH MIN.
21	1	SERIES "SF", FRAME HEAD, DOUBLE RABBIT PROFILE FACE SHEET CONFORMING TO ASTM A366 AND ASTM-A653	COMMERCIAL QUALITY COLD ROLLED STEEL MINIMUM YIELD STR. OF Fy=40,000 psi	2" FACE, 5-3/4" DEPTH MIN.
22	1	JAMB LOCK STRIKE REINFORCING PLATE	STEEL	1-1/8" X 2-1/2" X 12 GA.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE June 08, 2000
BY Matthew Dine
PRODUCT COMPLIANCE DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-03 AT-03

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 03-041-01
Expiration Date: 2008
By Matthew Dine
Division Chief, Product Compliance

2/21/00	Revised Format, Transferred information from NDA
7/22/97	Revised Sheet Number
ISSUE	REVISIONS
DRAWN BY: GWS	DATE: 6/02/97
DRAWING NUMBER: RD0087	
Sheet 7 of 7	

MATERIAL SPECIFICATIONS:

3-0 x 7-0 Series
Bill Of Materials

 CECO DOOR PRODUCTS
Millon, Tennessee 38358

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

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

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
☒	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☒	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☒	☐	<u>Site Plan including:</u> a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☒	☐	<u>Wind-load Engineering Summary, calculations and any details required</u> Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, I _w , and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m ²) to be used for the design of exterior component and cladding materials not specially designed by the registered design professional.
☒	☐	<u>Elevations including:</u> a) All sides b) Roof pitch c) Overhang dimensions and detail with attic ventilation

- | | | |
|-------------------------------------|--------------------------|--|
| ☒ | ☐ | d) Location, size and height above roof of chimneys. |
| ☒ | ☐ | e) Location and size of skylights |
| ☒ | ☐ | f) Building height |
| ☒ | ☐ | e) Number of stories |
| | | <u>Floor Plan including:</u> |
| ☒ | ☐ | a) Rooms labeled and dimensioned. |
| ☒ | ☐ | b) Shear walls identified. |
| ☒ | ☐ | c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 (see attach forms). |
| ☒ | ☐ | d) Show safety glazing of glass, where required by code. |
| ☒ | ☐ | e) Identify egress windows in bedrooms, and size. |
| ☒ | ☐ | f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, (Please circle applicable type). |
| ☒ | ☐ | g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails. |
| ☒ | ☐ | h) Must show and identify accessibility requirements (accessible bathroom) |
| | | <u>Foundation Plan including:</u> |
| ☒ | ☐ | a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing. |
| ☒ | ☐ | b) All posts and/or column footing including size and reinforcing |
| ☒ | ☐ | c) Any special support required by soil analysis such as piling |
| ☒ | ☐ | d) Location of any vertical steel. |
| | | <u>Roof System:</u> |
| ☒ | ☐ | a) Truss package including: |
| | | 1. Truss layout and truss details signed and sealed by Fl. Pro. Eng. |
| | | 2. Roof assembly (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating) |
| ☒ | ☐ | b) Conventional Framing Layout including: |
| | | 1. Rafter size, species and spacing |
| | | 2. Attachment to wall and uplift |
| | | 3. Ridge beam sized and valley framing and support details |
| | | 4. Roof assembly (FBC 106.1.1.2) Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating) |
| | | <u>Wall Sections including:</u> |
| ☒ | ☐ | a) Masonry wall |
| | | 1. All materials making up wall |
| | | 2. Block size and mortar type with size and spacing of reinforcement |
| | | 3. Lintel, tie-beam sizes and reinforcement |
| | | 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details |
| | | 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans. |
| | | 6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating) |
| | | 7. Fire resistant construction (if required) |
| | | 8. Fireproofing requirements |
| | | 9. Shoe type of termite treatment (termiteicide or alternative method) |
| | | 10. Slab on grade |
| | | a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed) |
| | | b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports |
| | | 11. Indicate where pressure treated wood will be placed |
| | | 12. Provide insulation R value for the following: |

- a. Attic space
- b. Exterior wall cavity
- c. Crawl space (if applicable)

b) Wood frame wall

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

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

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms
- h) Exhaust fans in bathroom

HVAC information

- a) **Energy Calculations** (dimensions shall match plans)
- b) Manual J sizing equipment or equivalent computation
- c) **Gas System** Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

*****Notice Of Commencement Required Before Any Inspections Will Be Done Private Potable Water**

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)
4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is \$50.00
6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial. **If the project is to be located on a F.D.O.T. maintained road, then an F.D.O.T. access permit is required.**
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

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

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **St Johns Cannon Creek Lot 7**
 Address:
 City, State: ,
 Owner: **Trent Giebeig**
 Climate Zone: **South**

Builder:
 Permitting Office:
 Permit Number:
 Jurisdiction Number:

- | | | |
|--|--------------------------------|-----------------------|
| 1. New construction or existing | New | ___ |
| 2. Single family or multi-family | Single family | ___ |
| 3. Number of units, if multi-family | 1 | ___ |
| 4. Number of Bedrooms | 4 | ___ |
| 5. Is this a worst case? | Yes | ___ |
| 6. Conditioned floor area (ft ²) | 1897 ft ² | ___ |
| 7. Glass area & type | Single Pane | Double Pane |
| a. Clear glass, default U-factor | 0.0 ft ² | 187.0 ft ² |
| b. Default tint | 0.0 ft ² | 0.0 ft ² |
| c. Labeled U or SHGC | 0.0 ft ² | 0.0 ft ² |
| 8. Floor types | | ___ |
| a. Slab-On-Grade Edge Insulation | R=0.0, 230.2(p) ft | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 9. Wall types | | ___ |
| a. Frame, Wood, Exterior | R=13.0, 1841.6 ft ² | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| d. N/A | | ___ |
| e. N/A | | ___ |
| 10. Ceiling types | | ___ |
| a. Under Attic | R=30.0, 2086.7 ft ² | ___ |
| b. N/A | | ___ |
| c. N/A | | ___ |
| 11. Ducts | | ___ |
| a. Sup: Con. Ret: Con. AH: Interior | Sup. R=6.0, 61.7 ft | ___ |
| b. N/A | | ___ |

- | | |
|--|----------------------------------|
| 12. Cooling systems | |
| a. Central Unit | Cap: 36.0 kBtu/hr
SEER: 10.00 |
| b. N/A | ___ |
| c. N/A | ___ |
| 13. Heating systems | |
| a. Electric Heat Pump | Cap: 36.0 kBtu/hr
HSPF: 7.00 |
| b. N/A | ___ |
| c. N/A | ___ |
| 14. Hot water systems | |
| a. Electric Resistance | Cap: 50.0 gallons
EF: 0.90 |
| b. N/A | ___ |
| c. Conservation credits
(HR-Heat recovery, Solar
DHP-Dedicated heat pump) | ___ |
| 15. HVAC credits | MZ-C, PT, CF, ___ |
| (CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating) | |

Glass/Floor Area: 0.10

Total as-built points: 26010

Total base points: 32914

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: 5/17/06

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

OWNER/AGENT: _____
 DATE: _____

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

BUILDING OFFICIAL: _____
 DATE: _____



SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	1897.0	32.50	11097.5	Double, Clear	W	1.5	6.0	30.0	61.59	0.92	1696.3
				Double, Clear	W	1.5	6.0	30.0	61.59	0.92	1696.3
				Double, Clear	W	1.5	6.0	20.0	61.59	0.92	1130.9
				Double, Clear	N	1.5	4.0	6.0	31.93	0.89	169.6
				Double, Clear	E	1.5	7.0	30.0	68.60	0.94	1937.1
				Double, Clear	E	1.5	6.0	60.0	68.60	0.92	3776.2
				Double, Clear	S	1.5	6.0	6.0	58.45	0.87	306.6
				Double, Clear	S	1.5	2.0	5.0	58.45	0.57	166.7
				As-Built Total:		187.0			10879.6		
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		1841.6		2.40 4419.8	
Exterior	1841.6	2.70	4972.3								
Base Total:				1841.6		4972.3		As-Built Total:		1841.6 4419.8	
DOOR TYPES				Area X BSPM = Points		Type		Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Insulated		34.0		6.40		217.6	
Exterior	34.0	6.40	217.6								
Base Total:				34.0		217.6		As-Built Total:		34.0 217.6	
CEILING TYPES				Area X BSPM = Points		Type		R-Value		Area X SPM X SCM = Points	
Under Attic	1897.0	2.80	5311.6	Under Attic		30.0		2086.7		2.77 X 1.00 5780.2	
Base Total:				1897.0		5311.6		As-Built Total:		2086.7 5780.2	
FLOOR TYPES				Area X BSPM = Points		Type		R-Value		Area X SPM = Points	
Slab	230.2(p)	-20.0	-4604.0	Slab-On-Grade Edge Insulation		0.0		230.2(p)		-20.00 -4604.0	
Raised	0.0	0.00	0.0								
Base Total:				-4604.0		As-Built Total:		230.2		-4604.0	
INFILTRATION				Area X BSPM = Points				Area X SPM = Points			
				1897.0 18.79 35644.6				1897.0 18.79		35644.6	

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT											
Summer Base Points:		52639.6		Summer As-Built Points:				52337.8							
Total Summer Points	X	System Multiplier	=	Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier (DM x DSM x AHU)	X	System Multiplier	X	Credit Multiplier	=	Cooling Points
52639.6		0.4266		22456.1	52337.8		1.000		(1.000 x 1.165 x 0.90)		0.341		0.857		16043.9
					52337.8		1.00		1.048		0.341		0.857		16043.9

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1897.0	2.36	805.8	Double, Clear	W	1.5	6.0	30.0	3.98	1.00	119.1
				Double, Clear	W	1.5	6.0	30.0	3.98	1.00	119.1
				Double, Clear	W	1.5	6.0	20.0	3.98	1.00	79.4
				Double, Clear	N	1.5	4.0	6.0	4.38	0.99	25.9
				Double, Clear	E	1.5	7.0	30.0	3.30	1.02	100.8
				Double, Clear	E	1.5	6.0	60.0	3.30	1.02	202.2
				Double, Clear	S	1.5	6.0	6.0	3.12	1.02	19.1
				Double, Clear	S	1.5	2.0	5.0	3.12	1.25	19.5
				As-Built Total:				187.0		685.1	
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		1841.6	0.60		1105.0	
Exterior	1841.6	0.60	1105.0								
Base Total:				1841.6		1105.0					
				As-Built Total:		1841.6		1105.0			
DOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Exterior Insulated			34.0	1.80		61.2	
Exterior	34.0	1.80	61.2								
Base Total:				34.0		61.2					
				As-Built Total:		34.0		61.2			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1897.0	0.10	189.7	Under Attic	30.0		2086.7	0.10 X 1.00		208.7	
Base Total:				1897.0		189.7					
				As-Built Total:		2086.7		208.7			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	230.2(p)	-2.1	-483.4	Slab-On-Grade Edge Insulation	0.0		230.2(p)	-2.10		-483.4	
Raised	0.0	0.00	0.0								
Base Total:				-483.4		230.2		-483.4			
				As-Built Total:		230.2		-483.4			
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1897.0 -0.06 -113.8				1897.0 -0.06 -113.8							

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

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Winter Base Points:		1564.5		Winter As-Built Points:				1462.7		
Total Winter Points	X System Multiplier	=	Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Heating Points
1564.5	0.6274		981.5	1462.7 1462.7	1.000 1.00	(1.000 x 1.137 x 0.91) 1.035	0.487 0.487	0.950 0.950		700.4 700.4

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.1

The higher the score, the more efficient the home.

Trent Giebeig, , , ,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 36.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 10.00
4. Number of Bedrooms	4	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	1897 ft ²	___		___
7. Glass area & type	Single Pane	Double Pane		___
a. Clear - single pane	0.0 ft ²	187.0 ft ²	13. Heating systems	
b. Clear - double pane	0.0 ft ²	0.0 ft ²	a. Electric Heat Pump	Cap: 36.0 kBtu/hr
c. Tint/other SHGC - single pane	0.0 ft ²	0.0 ft ²		HSPF: 7.00
d. Tint/other SHGC - double pane			b. N/A	___
8. Floor types			c. N/A	___
a. Slab-On-Grade Edge Insulation	R=0.0, 230.2(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, 1841.6 ft ²	___	b. N/A	___
b. N/A	___		c. Conservation credits	___
c. N/A	___		(HR-Heat recovery, Solar	
d. N/A	___		DHP-Dedicated heat pump)	
e. N/A	___		15. HVAC credits	MZ-C, PT, CF, ___
10. Ceiling types			(CF-Ceiling fan, CV-Cross ventilation,	
a. Under Attic	R=30.0, 2086.7 ft ²	___	HF-Whole house fan,	
b. N/A	___		PT-Programmable Thermostat,	
c. N/A	___		MZ-C-Multizone cooling,	
11. Ducts			MZ-H-Multizone heating)	
a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 61.7 ft	___		
b. N/A	___			

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

Builder Signature: _____ Date: _____

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



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 350-960-8024.*

Version: FLRCPB v3.30)

Residential System Sizing Calculation

Summary

Trent Giebeig

Project Title:
St Johns Cannon Creek Lot 7

Code Only
Professional Version
Climate: South

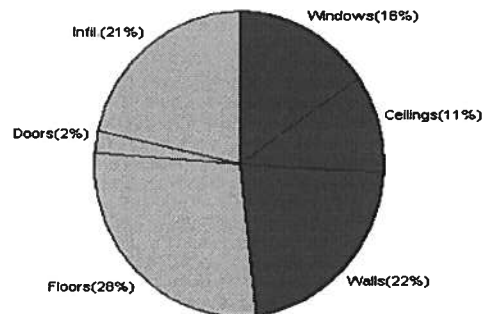
5/17/2006

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	25776 Btuh	Total cooling load calculation	24894 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	139.7 36000	Sensible (SHR = 0.5)	93.7 18000
Heat Pump + Auxiliary(0.0kW)	139.7 36000	Latent	316.6 18000
		Total (Electric Heat Pump)	144.6 36000

WINTER CALCULATIONS

Winter Heating Load (for 1897 sqft)

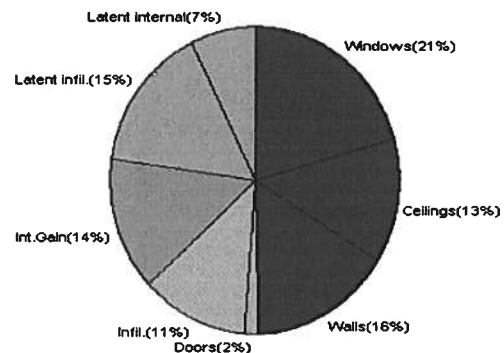
Load component	Load
Window total 187 sqft	4021 Btuh
Wall total 1842 sqft	5709 Btuh
Door total 34 sqft	623 Btuh
Ceiling total 2087 sqft	2713 Btuh
Floor total 230 ft	7274 Btuh
Infiltration 127 cfm	5436 Btuh
Subtotal	25776 Btuh
Duct loss	0 Btuh
TOTAL HEAT LOSS	25776 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1897 sqft)

Load component	Load
Window total 187 sqft	5182 Btuh
Wall total 1842 sqft	3941 Btuh
Door total 34 sqft	424 Btuh
Ceiling total 2087 sqft	3255 Btuh
Floor total	0 Btuh
Infiltration 111 cfm	2805 Btuh
Internal gain	3600 Btuh
Subtotal(sensible)	19208 Btuh
Duct gain	0 Btuh
Total sensible gain	19208 Btuh
Latent gain(infiltration)	3845 Btuh
Latent gain(internal)	1840 Btuh
Total latent gain	5685 Btuh
TOTAL HEAT GAIN	24894 Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: W. H. B. Free

DATE: 5/17/06

System Sizing Calculations - Winter

Residential Load - Component Details

Trent Giebeig

Project Title:
St Johns Cannon Creek Lot 7

Code Only
Professional Version
Climate: South

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

5/17/2006

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	30.0	21.5	645 Btuh
3	2, Clear, Wood, DEF	N	20.0	21.5	430 Btuh
4	2, Clear, Wood, DEF	E	6.0	21.5	129 Btuh
5	2, Clear, Wood, DEF	S	30.0	21.5	645 Btuh
6	2, Clear, Wood, DEF	S	60.0	21.5	1290 Btuh
7	2, Clear, Wood, DEF	W	6.0	21.5	129 Btuh
8	2, Clear, Wood, DEF	W	5.0	21.5	108 Btuh
Window Total					4021 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1842	3.1	5709 Btuh
Wall Total					5709 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		34	18.3	623 Btuh
Door Total					623Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2087	1.3	2713 Btuh
Ceiling Total					2713Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	230.2 ft(p)	31.6	7274 Btuh
Floor Total					7274 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	18970(sqft)	127	5436 Btuh
	Mechanical			0	0 Btuh
Infiltration Total					5436 Btuh

Totals for Heating	Subtotal	25776 Btuh
	Duct Loss(using duct multiplier of 0.00)	0 Btuh
	Total Btuh Loss	25776 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

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

System Sizing Calculations - Summer

Residential Load - Component Details

Trent Giebeig

Project Title:
St Johns Cannon Creek Lot 7

Code Only
Professional Version
Climate: South

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 5/17/2006

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	30.0	0.0	30.0	24	24	720	Btuh
3	2, Clear, DEF, N, N	N	1.5	6	20.0	0.0	20.0	24	24	480	Btuh
4	2, Clear, DEF, N, N	E	1.5	4	6.0	0.0	6.0	24	74	444	Btuh
5	2, Clear, DEF, N, N	S	1.5	7	30.0	30.0	0.0	24	39	720	Btuh
6	2, Clear, DEF, N, N	S	1.5	6	60.0	60.0	0.0	24	39	1440	Btuh
7	2, Clear, DEF, N, N	W	1.5	6	6.0	0.0	6.0	24	74	444	Btuh
8	2, Clear, DEF, N, N	W	1.5	2	5.0	3.1	1.9	24	74	214	Btuh
Window Total					187					5182	Btuh
Walls 1	Type	R-Value			Area		HTM		Load		
	Frame - Exterior	13.0			1841.6		2.1		3941 Btuh		
	Wall Total				1841.6				3941 Btuh		
Doors 1	Type	R-Value			Area		HTM		Load		
	Insulated - Exter				34.0		12.5		424 Btuh		
	Door Total				34.0				424 Btuh		
Ceilings 1	Type/Color	R-Value			Area		HTM		Load		
	Under Attic/Dark	30.0			2086.7		1.6		3255 Btuh		
	Ceiling Total				2086.7				3255 Btuh		
Floors 1	Type	R-Value			Size		HTM		Load		
	Slab-On-Grade Edge Insulation	0.0			230.2 ft(p)		0.0		0 Btuh		
	Floor Total				230.2				0 Btuh		
Infiltration	Type	ACH			Volume		CFM=		Load		
	Natural	0.35			18970		110.9		2805 Btuh		
	Mechanical						0		0 Btuh		
	Infiltration Total						111		2805 Btuh		

Internal gain	Occupants		Btuh/occupant		Appliance	Load	
	8		X	300 +		1200	3600 Btuh

Totals for Cooling	Subtotal	19208 Btuh
	Duct gain(using duct multiplier of 0.00)	0 Btuh
	Total sensible gain	19208 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	3845 Btuh
	Latent occupant gain (8 people @ 230 Btuh per person)	1840 Btuh
	Latent other gain	0 Btuh
TOTAL GAIN		24894 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(0), Blinds, Shades, Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)



BRITT SURVEYING

830 West Duval Street • Lake City, FL 32055
Phone (386) 752-7163 • Fax (386) 752-5573

*Land Surveyors
and Mappers*

24613

06/20/06

L-17505

To Whom It May Concern:

C/o: Trent Giebeig

Re: Lot 7 Cannon Creek Place

The elevation of the proposed foundation is found to be 103.40 feet. The proposed floor elevation is shown to be 102.5 feet on the plat of record. The highest adjacent grade is 102.53 feet and the lowest adjacent grade is 100.52 feet.

L. Scott Britt
PLS #5757

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

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

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

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

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

246/3

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cois Terrace City Lake City State FL Zip 32055
Company Business License No. JS103476 Company Phone No. 386-755-3611
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Trent Geibiey Company Phone No. 397-0545

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 146 SW Lighter Glen
Lot #7 Lake City, FL 32024
Cannon Creek Pl.
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside 1' Inside 2' Type of Fill Sand

Section 4: Treatment Information

Date(s) of Treatment(s) 6/22/06
Brand Name of Product(s) Used Termidor
EPA Registration No. _____
Approximate Final Mix Solution % .06%
Approximate Size of Treatment Area: Sq. ft. 2359 Linear ft. 250 Linear ft. of Masonry Voids 238
Approximate Total Gallons of Solution Applied 550 gals.
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 Front entry porch & back porch not treated on this date -
not formed up yet

Name of Applicator(s) S. Gregory Certification No. (if required by State law) JF104376

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

Authorized Signature Shannon Gregory Date 6/22/06

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)

from Trent Giebel

GLENBROOK AVENUE 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 24-4S-16-03114-107

Building permit No. 000024613

Use Classification SFD/UTILITY

Fire: 18.17

Permit Holder B. TRENT GIEBEIG CONSTR., INC.

Waste: 0.00

Owner of Building B. TRENT GIEBEIG

Total: 18.17

Location: 146 SW LIGHTER GLEN(CANNON CREEK PL, LOT 7)

Date: 09/29/2006



[Signature]
Building Inspector

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Licensee Details**Licensee Information**

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

License Information

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

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

Special Qualifications	Effective Date
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Bldg Code Core Course Credit	
------------------------------	--

No Qualified Business License Required	02/20/2004
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Job MASTER	Truss CJ1	Truss Type ROOF TRUSS	Qty 18	Ply 1	ST JOHNS WITH PORCH
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:36:03 2006 Page 1		

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

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

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 1'-0" oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

REACTIONS (lb/size) 2=266/0-3-8, 4=14/Mechanical, 3=90/Mechanical
 Max Horz 2=87(load case 5)
 Max Uplift 2=286(load case 5), 4=-9(load case 3), 3=-90(load case 1)
 Max Grav 2=266(load case 1), 4=14(load case 1), 3=127(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=69/75
 BOT CHORD 2-4=0/0

JOINT STRESS INDEX
 2 = 0.14

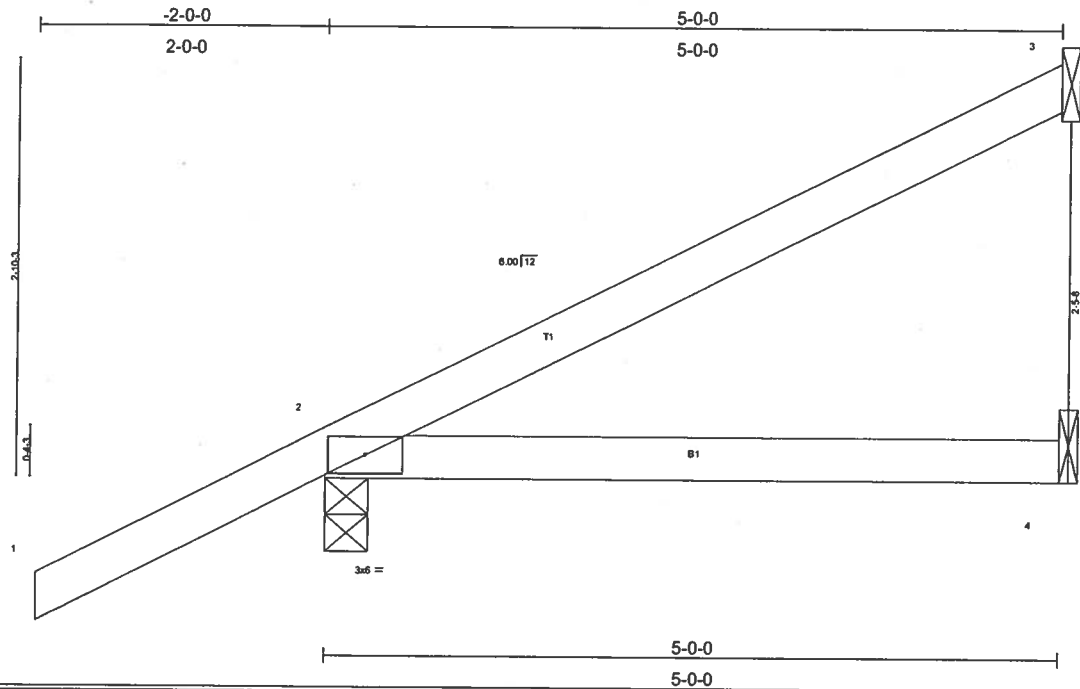
NOTES
 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for 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 286 lb uplift at joint 2, 9 lb uplift at joint 4 and 90 lb uplift at joint 3.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ST JOHNS WITH PORCH
MASTER	CJ5	ROOF TRUSS	14	1	Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

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LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2'-0"	TC 0.29	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 >663 240		
BCCL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) 0.07 2-4 >774 180		
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" oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

REACTIONS

(lb/size) 3=103/Mechanical, 2=343/0-3-8, 4=72/Mechanical
 Max Horz 2=178(load case 5)
 Max Uplift 3=87(load case 5), 2=-260(load case 5), 4=-46(load case 3)

FORCES

(lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-88/36
 BOT CHORD 2-4=0/0

JOINT STRESS INDEX

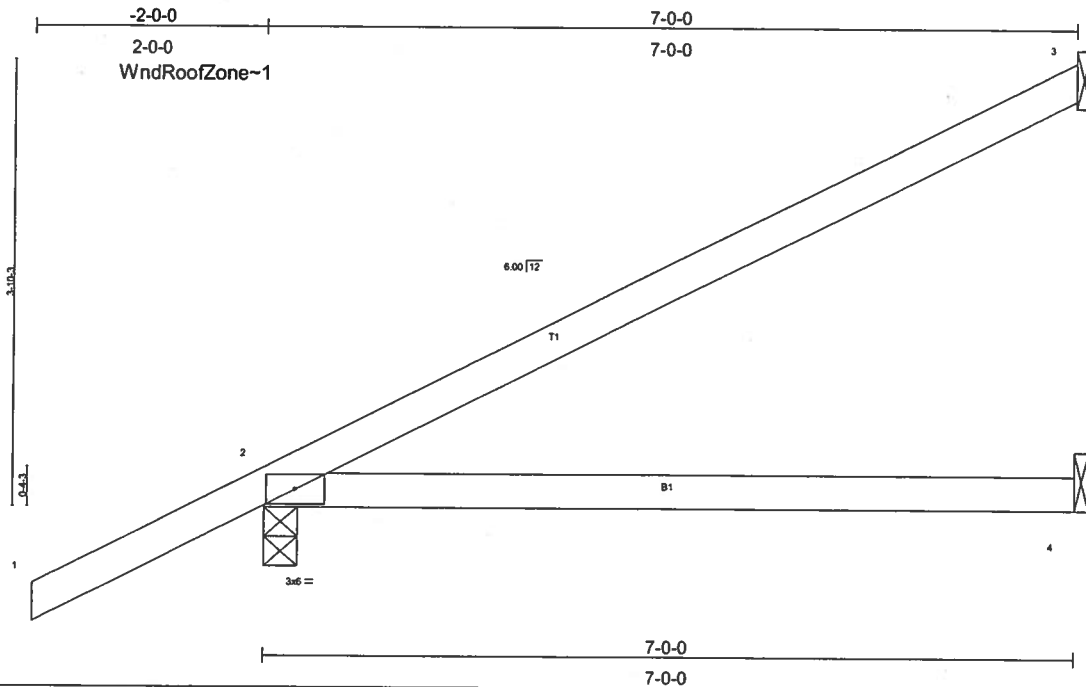
2 = 0.15

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 87 lb uplift at joint 3, 260 lb uplift at joint 2 and 46 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ST JOHNS WITH PORCH
MASTER	EJ7	MONO TRUSS	30	1	
Builders FirstSource, Lake City, FL 32055					
Job Reference (optional)					
6.200 s Jul 13 2005 Mitek Industries, Inc. Thu Feb 23 15:36:06 2006 Page 1					



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.50	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.45	Vert(LL) 0.33 2-4 >250 240		
BCCL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) 0.28 2-4 >295 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2004/TP12002			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=419/0-3-8, 4=104/Mechanical
 Max Horz 2=224(load case 5)
 Max Uplift 3=144(load case 5), 2=-295(load case 5), 4=-68(load case 6)

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

JOINT STRESS INDEX
 2 = 0.34

NOTES

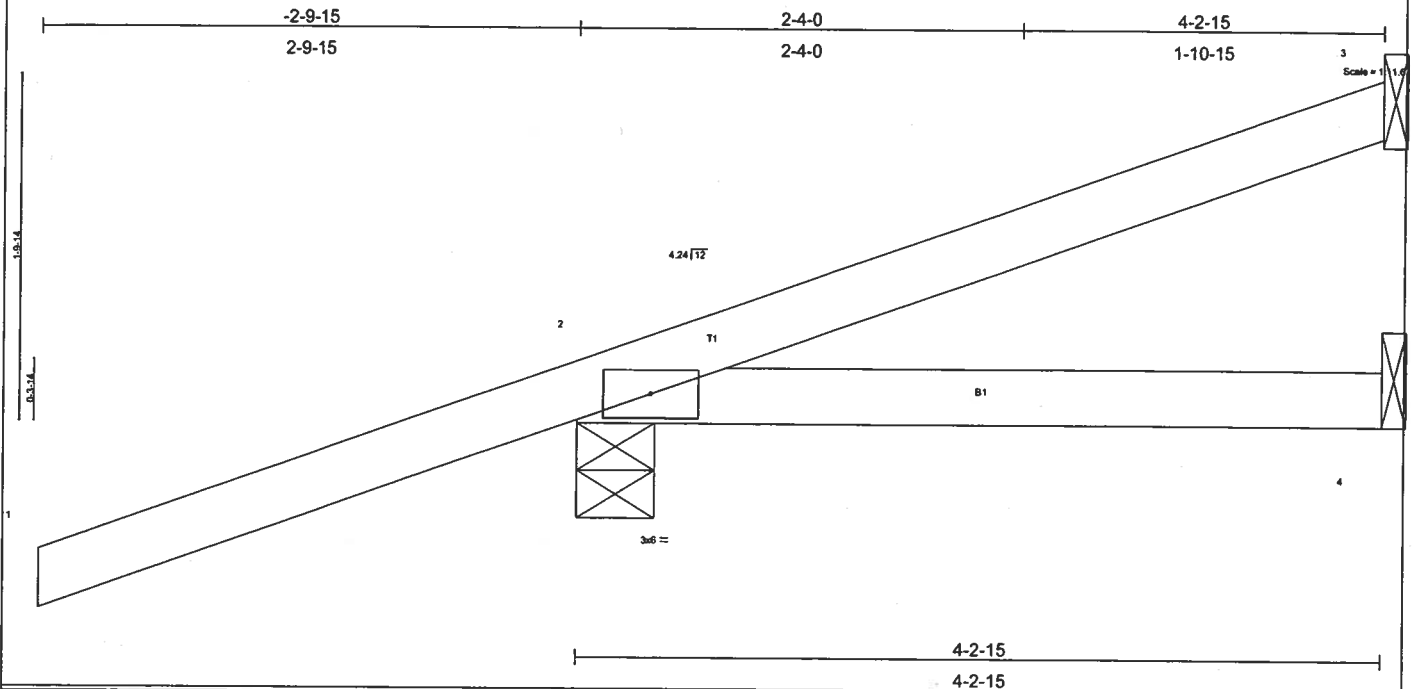
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions 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 144 lb uplift at joint 3, 295 lb uplift at joint 2 and 68 lb uplift at joint 4.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ST JOHNS WITH PORCH
MASTER	HJ4	ROOF TRUSS	2	1	

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MITek Industries, Inc. Thu Feb 23 15:36:07 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.53	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.07	Vert(LL) 0.02 2-4 >999 240		
BCCL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) 0.01 2-4 >999 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2004/TPI2002				
				Weight: 18 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 4-2-15 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=15/Mechanical, 2=289/0-4-15, 4=42/Mechanical
 Max Horz 2=98(load case 2)
 Max Uplift 3=-6(load case 5), 2=-302(load case 2), 4=-41(load case 2)
 Max Grav 3=32(load case 6), 2=289(load case 1), 4=42(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/50, 2-3=-37/10
 BOT CHORD 2-4=0/0

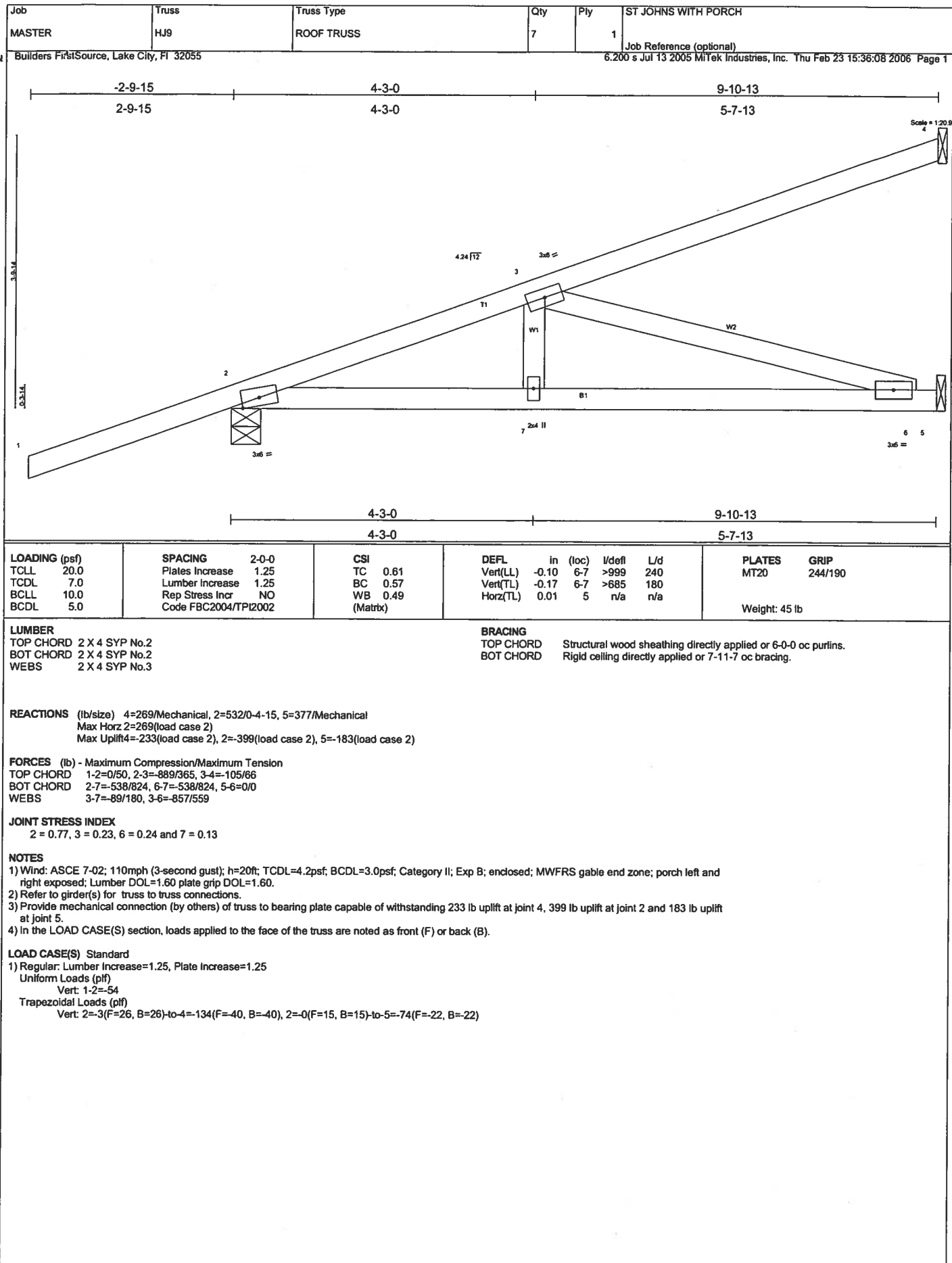
JOINT STRESS INDEX
 2 = 0.11

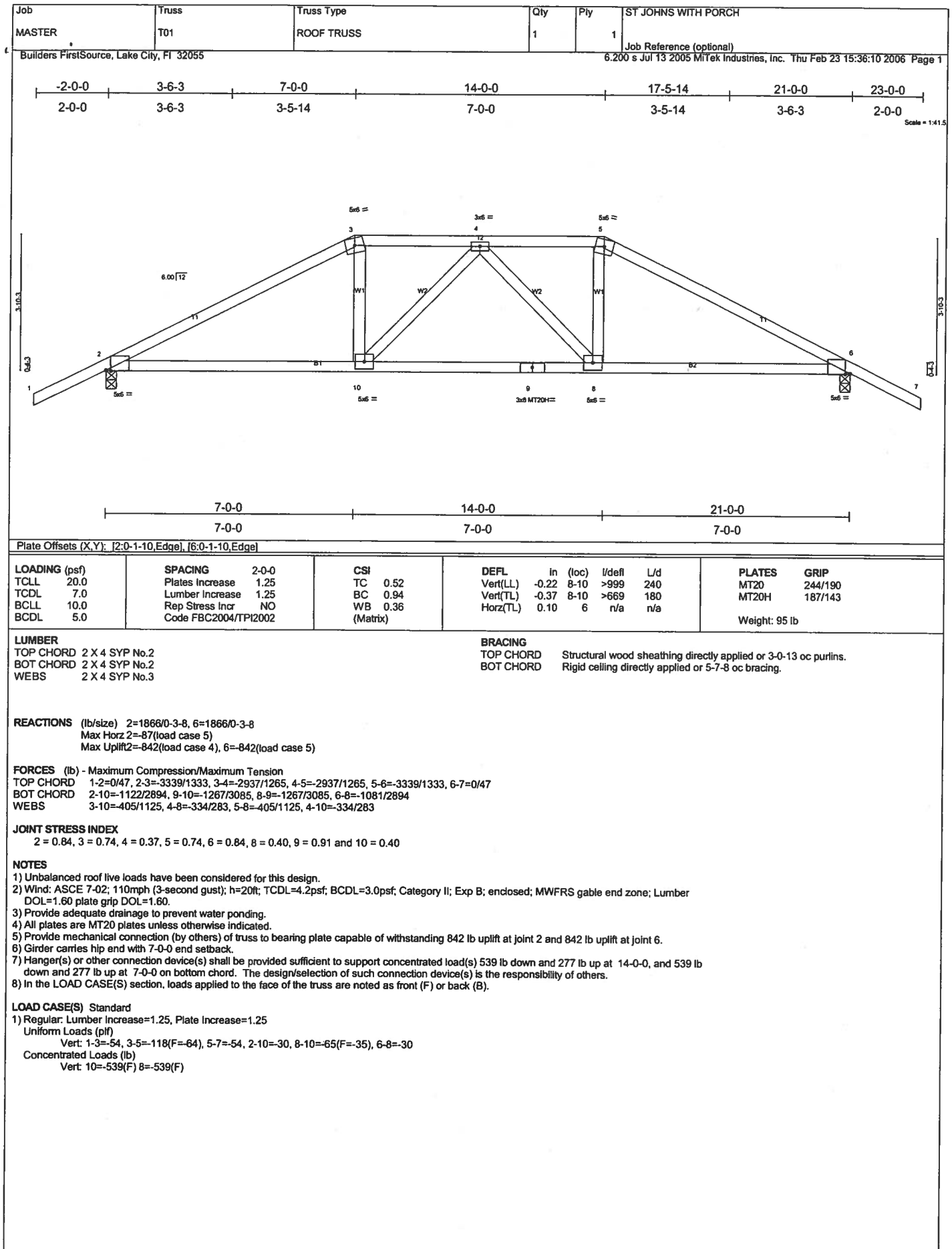
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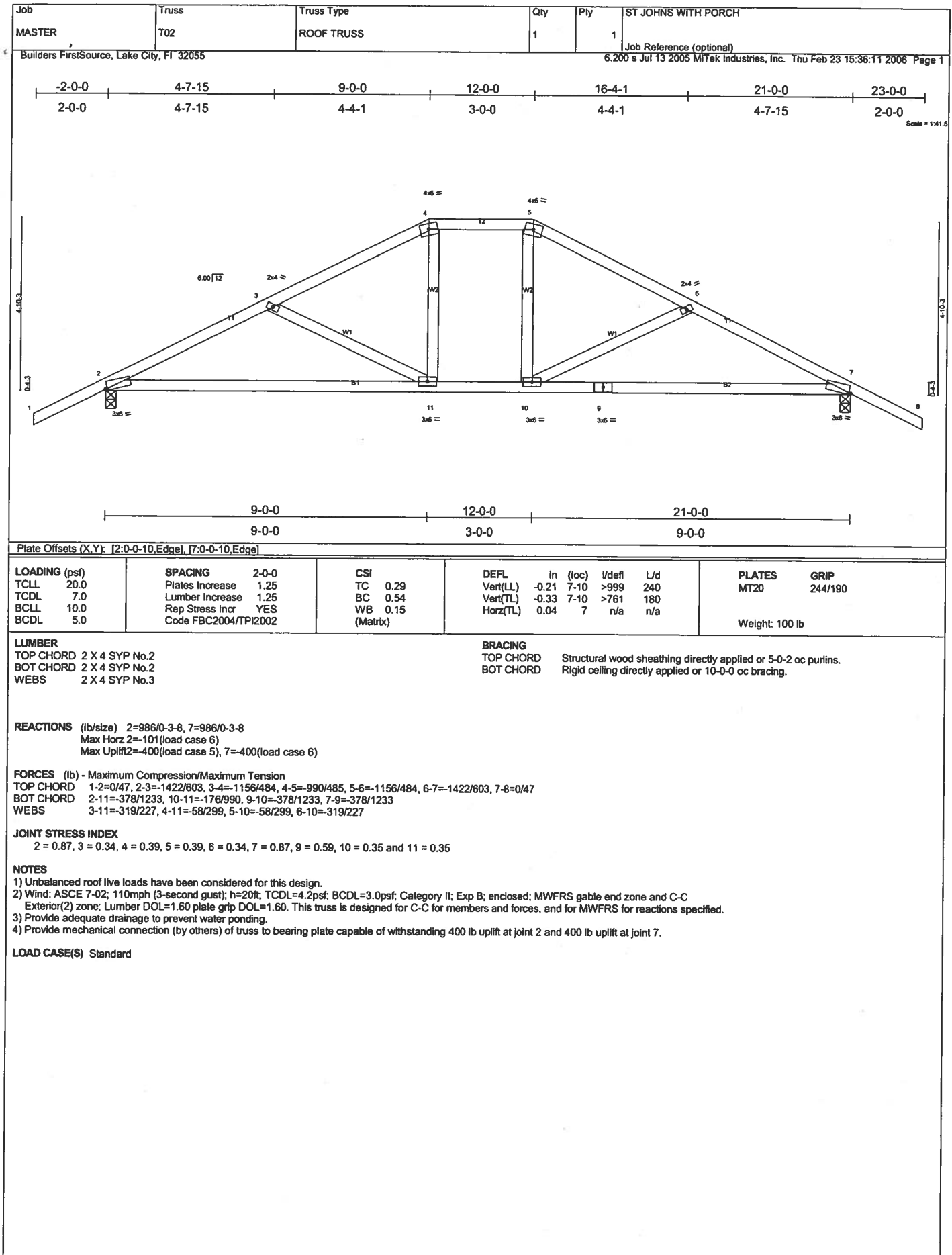
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 3, 302 lb uplift at joint 2 and 41 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).

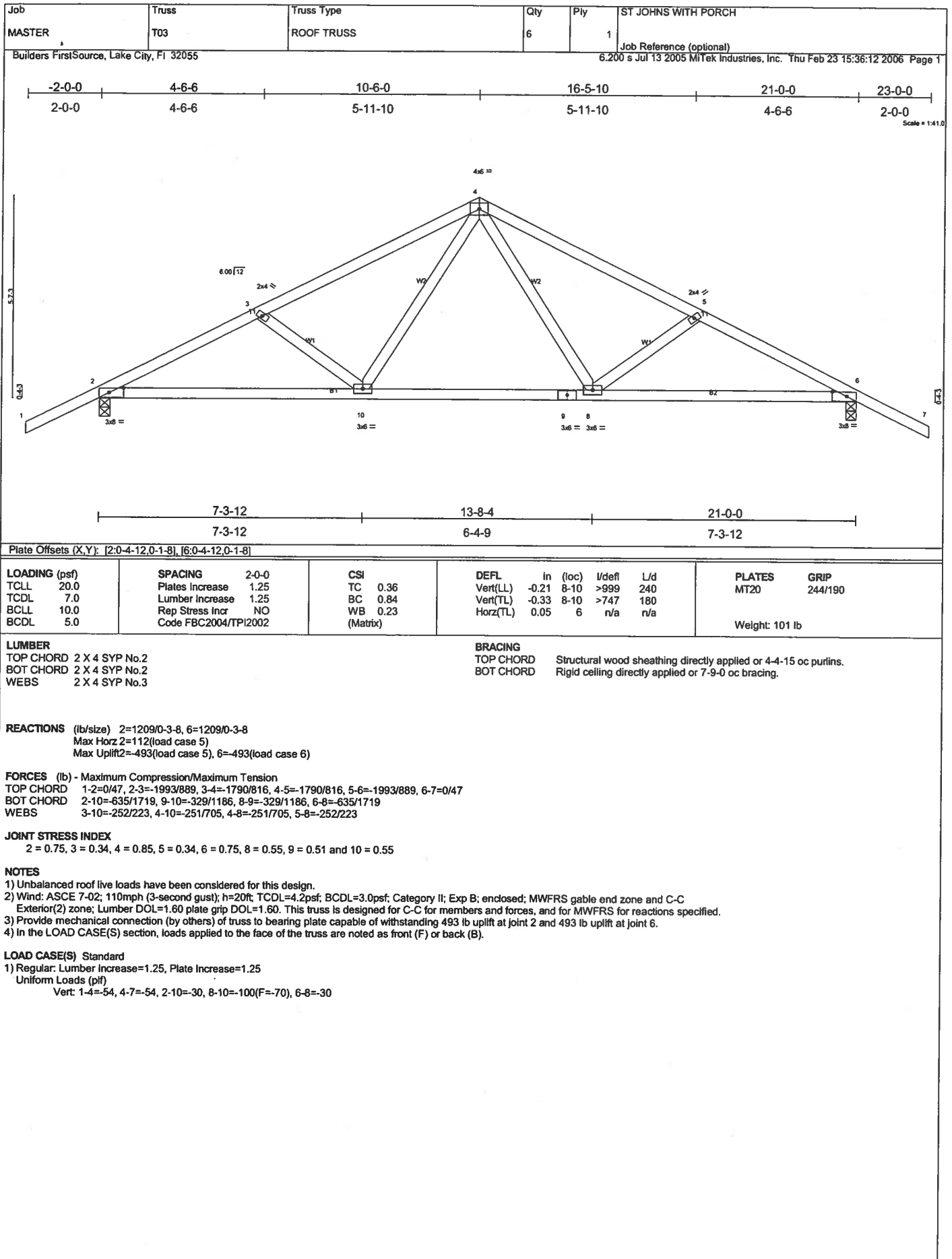
LOAD CASE(S) Standard

- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-54
 Trapezoidal Loads (plf)
 Vert: 2=-3(F=26, B=26)-to-3=-57(F=-2, B=-2), 2=-0(F=15, B=15)-to-4=-32(F=-1, B=-1)









Job	Truss	Truss Type	Qty	Ply	ST JOHNS WITH PORCH
MASTER	T04	ROOF TRUSS	1	1	
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:36:13 2006 Page 1		

-2-0-0	7-0-0	12-9-5	18-6-11	24-4-0	31-4-0	33-4-0
2-0-0	7-0-0	5-9-5	5-9-5	5-9-5	7-0-0	2-0-0

Scale = 1/58.6

7-0-0	15-8-0	24-4-0	31-4-0
7-0-0	8-8-0	8-8-0	7-0-0

Plate Offsets (X,Y): [2:0-0-13,Edge], [7:0-0-13,Edge], [9:0-3-8,0-3-0], [10:0-5-0,0-5-0], [11:0-3-8,0-3-0]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.82	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.85	Vert(LL) -0.43 9-10 >863 240	MT20H	187/143
BCLL 10.0	Lumber Increase 1.25	WB 0.62	Vert(TL) -0.70 9-10 >536 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.17 7 n/a n/a		
	Code FBC2004/TP12002				
				Weight: 170 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2 "Except"	TOP CHORD Structural wood sheathing directly applied or 2-1-14 oc purlins.
T2 2 X 4 SYP No.1D	BOT CHORD Rigid ceiling directly applied or 4-11-13 oc bracing.
BOT CHORD 2 X 6 SYP No.1D	WEBS 1 Row at midpt 4-11, 5-9
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 2=2810/0-3-8, 7=2810/0-3-8
 Max Horz 2=-89(load case 5)
 Max Uplift 2=-1201(load case 4), 7=-1201(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/51, 2-3=-5499/2292, 3-4=-4920/2118, 4-5=-6766/2861, 5-6=-4920/2119, 6-7=-5499/2292, 7-8=0/51
 BOT CHORD 2-11=-2008/4839, 10-11=-2837/6515, 9-10=-2815/6515, 7-9=-1969/4839
 WEBS 3-11=-709/1946, 4-11=-1969/1021, 4-10=0/423, 5-10=0/423, 5-9=-1969/1021, 6-9=-709/1946

JOINT STRESS INDEX
 2 = 0.82, 3 = 0.91, 4 = 0.57, 5 = 0.57, 6 = 0.91, 7 = 0.82, 9 = 0.54, 10 = 0.98 and 11 = 0.54

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1201 lb uplift at joint 2 and 1201 lb uplift at joint 7.
- Girder carries hip end with 7-0-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 24-4-0, 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.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)
 Vert: 1-3=-54, 3-6=-118(F=-64), 6-8=-54, 2-11=-30, 9-11=-65(F=-35), 7-9=-30

Concentrated Loads (lb)
 Vert: 11=-539(F)=539(F)

Job	Truss	Truss Type	Qty	Ply	ST JOHNS WITH PORCH
MASTER	T05	ROOF TRUSS	1	1	

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:36:15 2006 Page 1

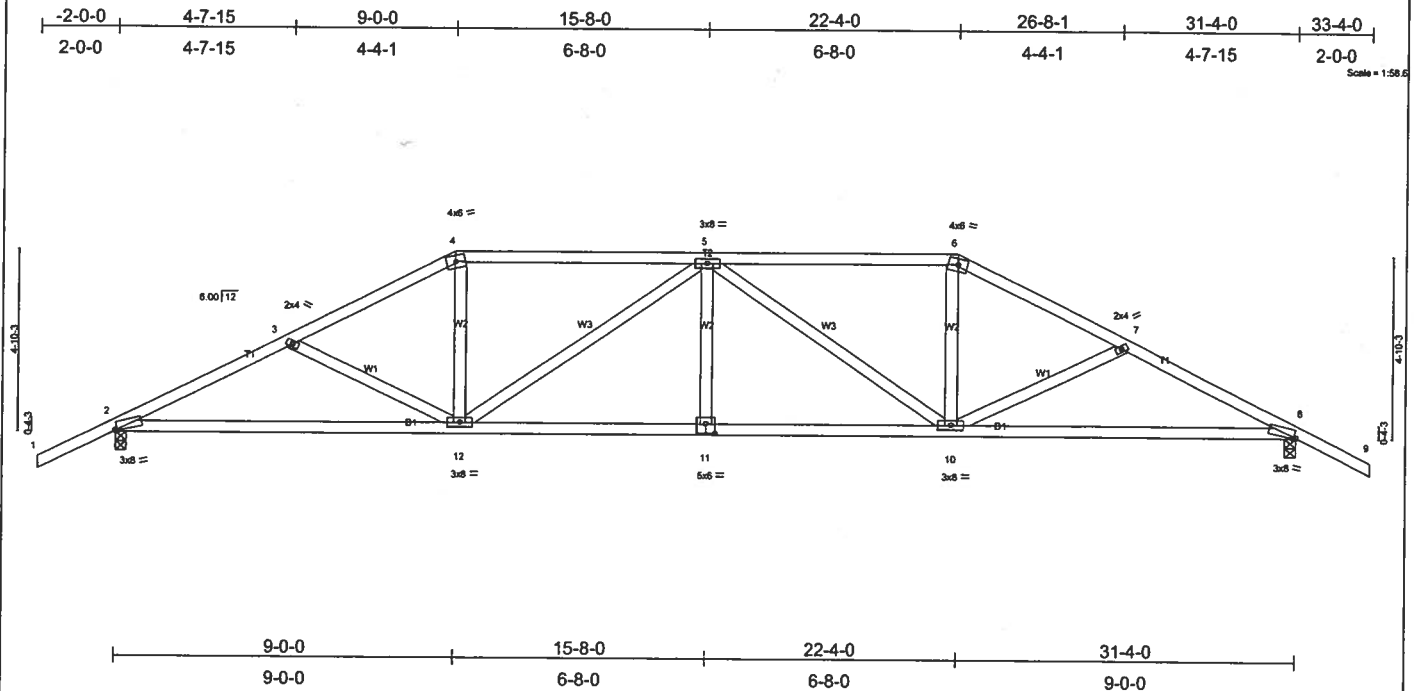


Plate Offsets (X,Y): [2:0-0-10,Edge], [8:0-0-10,Edge], [11:0-3-0,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.32	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.71	Vert(LL) -0.21 8-10 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.61	Vert(TL) -0.35 8-10 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.11 8 n/a n/a		
	Code FBC2004/TPI2002			Weight: 160 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-10-6 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-6-3 oc bracing.

REACTIONS

(lb/size) 2=1420/0-3-8, 8=1420/0-3-8
 Max Horz 2=101(load case 5)
 Max Uplift 2=500(load case 5), 8=500(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-2344/959, 3-4=-2118/860, 4-5=-1872/832, 5-6=-1872/832, 6-7=-2118/860, 7-8=-2344/959, 8-9=0/47
 BOT CHORD 2-12=-690/2044, 11-12=-690/2252, 10-11=-690/2252, 8-10=-690/2044
 WEBS 3-12=-219/193, 4-12=-142/615, 5-12=-556/252, 5-11=0/159, 5-10=-556/252, 6-10=-142/615, 7-10=-219/193

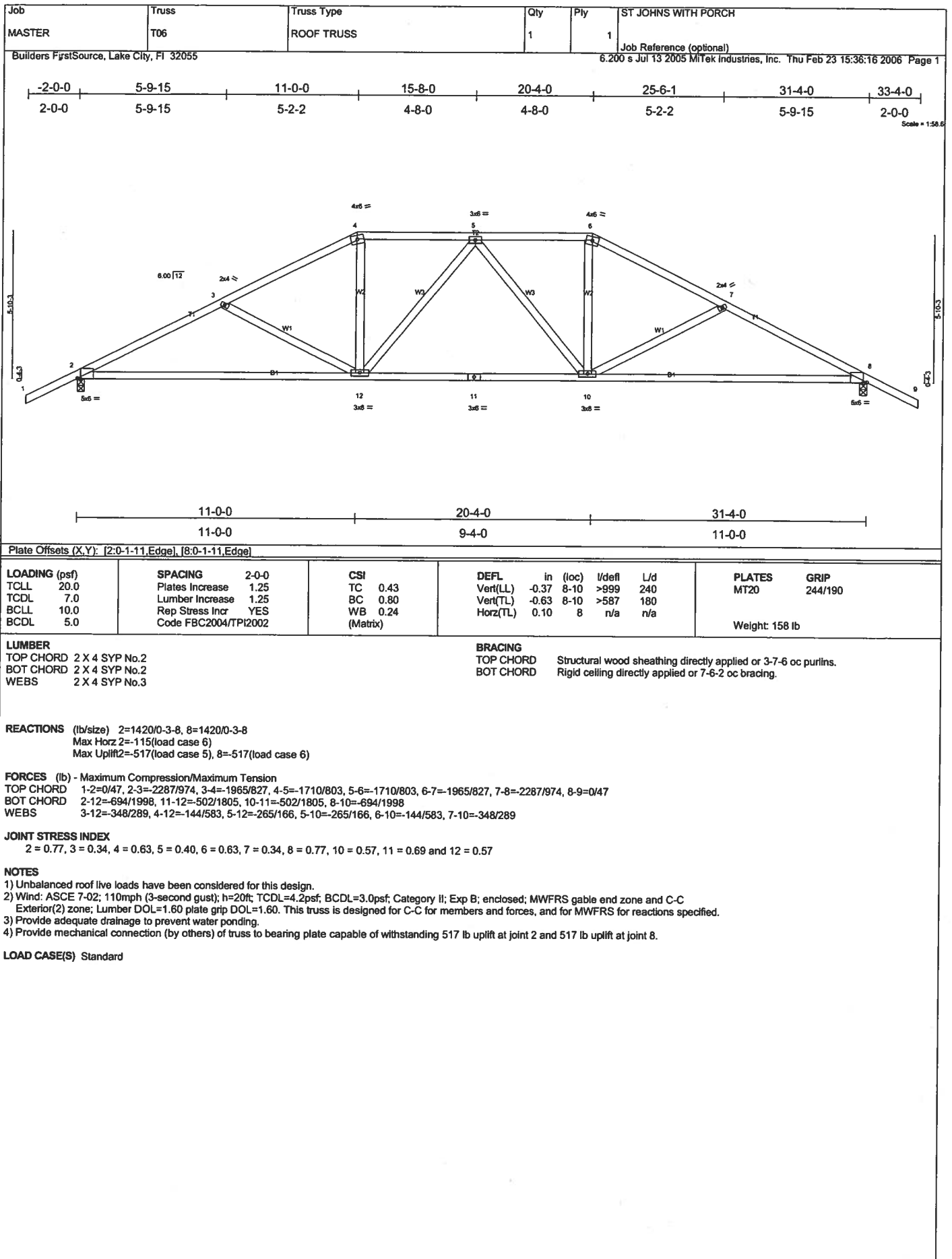
JOINT STRESS INDEX

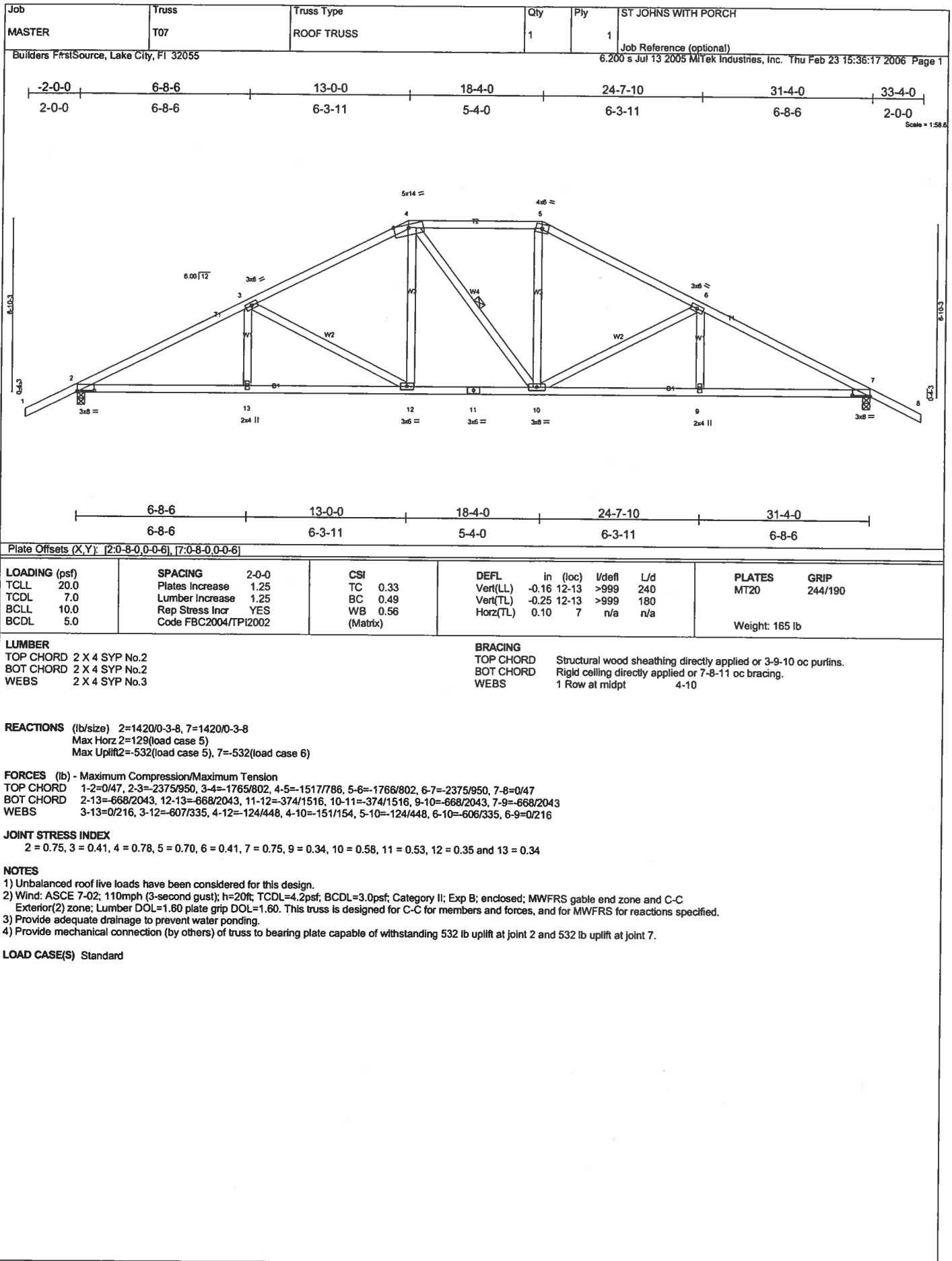
2 = 0.85, 3 = 0.34, 4 = 0.73, 5 = 0.57, 6 = 0.73, 7 = 0.34, 8 = 0.85, 10 = 0.57, 11 = 0.54 and 12 = 0.57

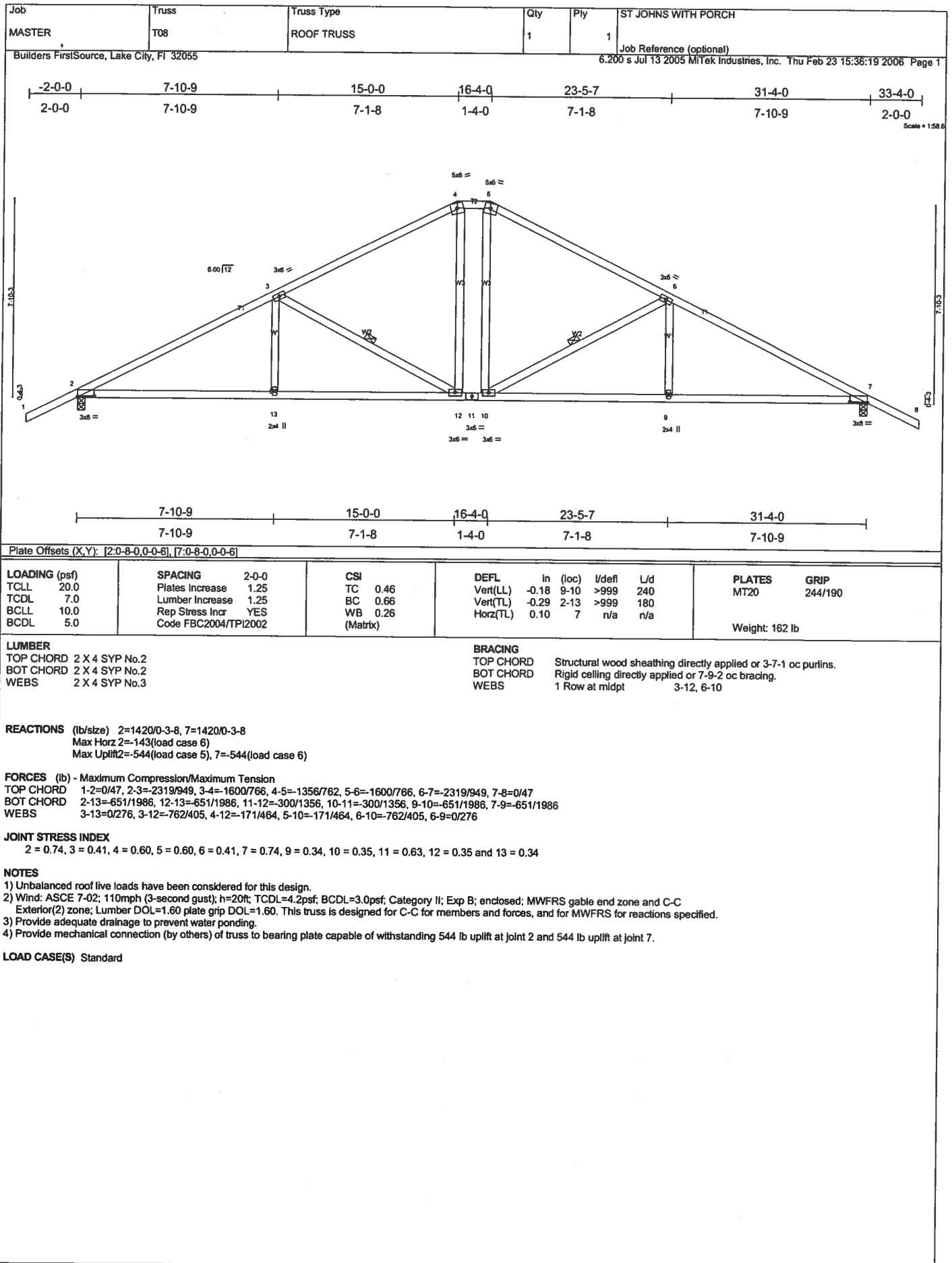
NOTES

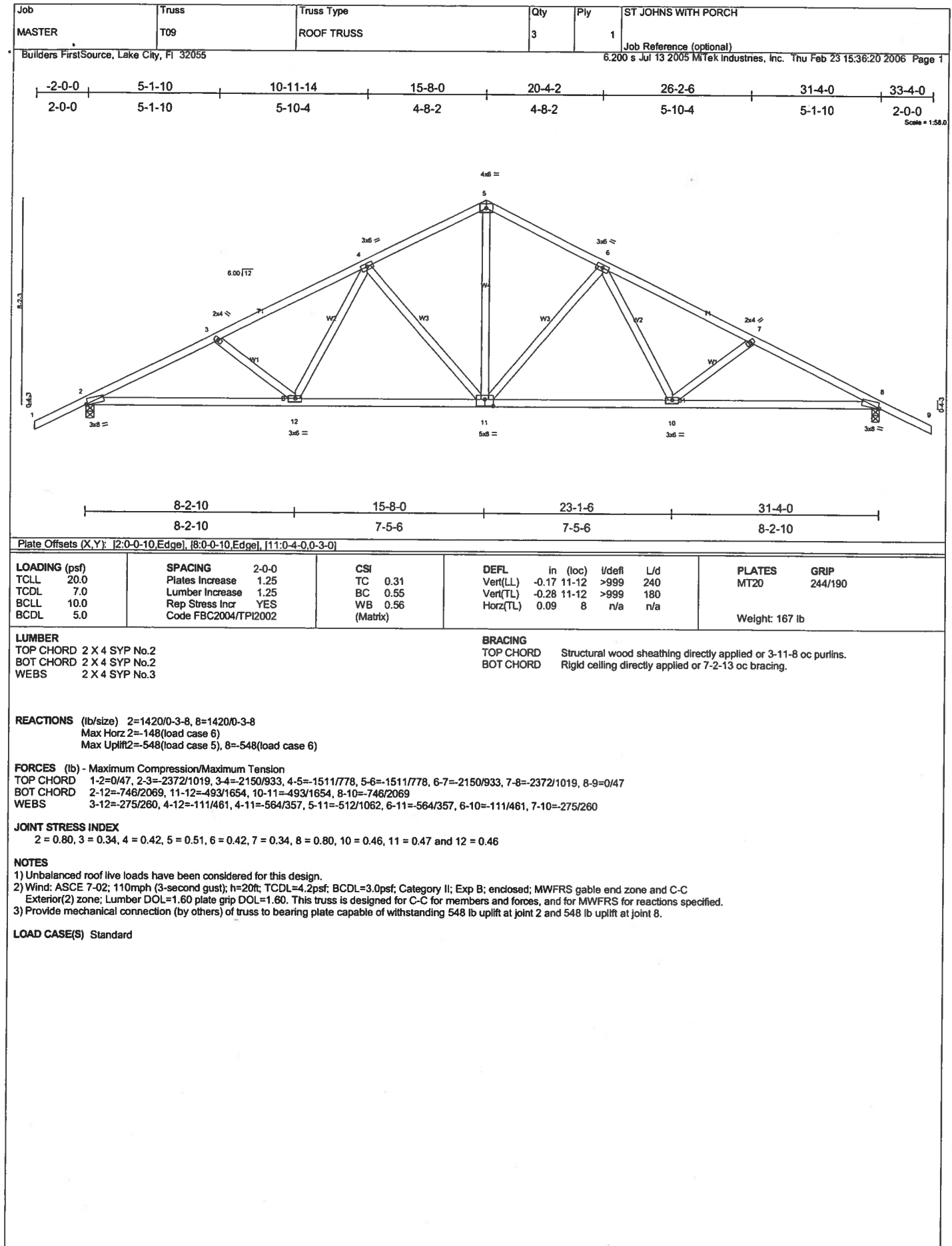
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 500 lb uplift at joint 2 and 500 lb uplift at joint 8.

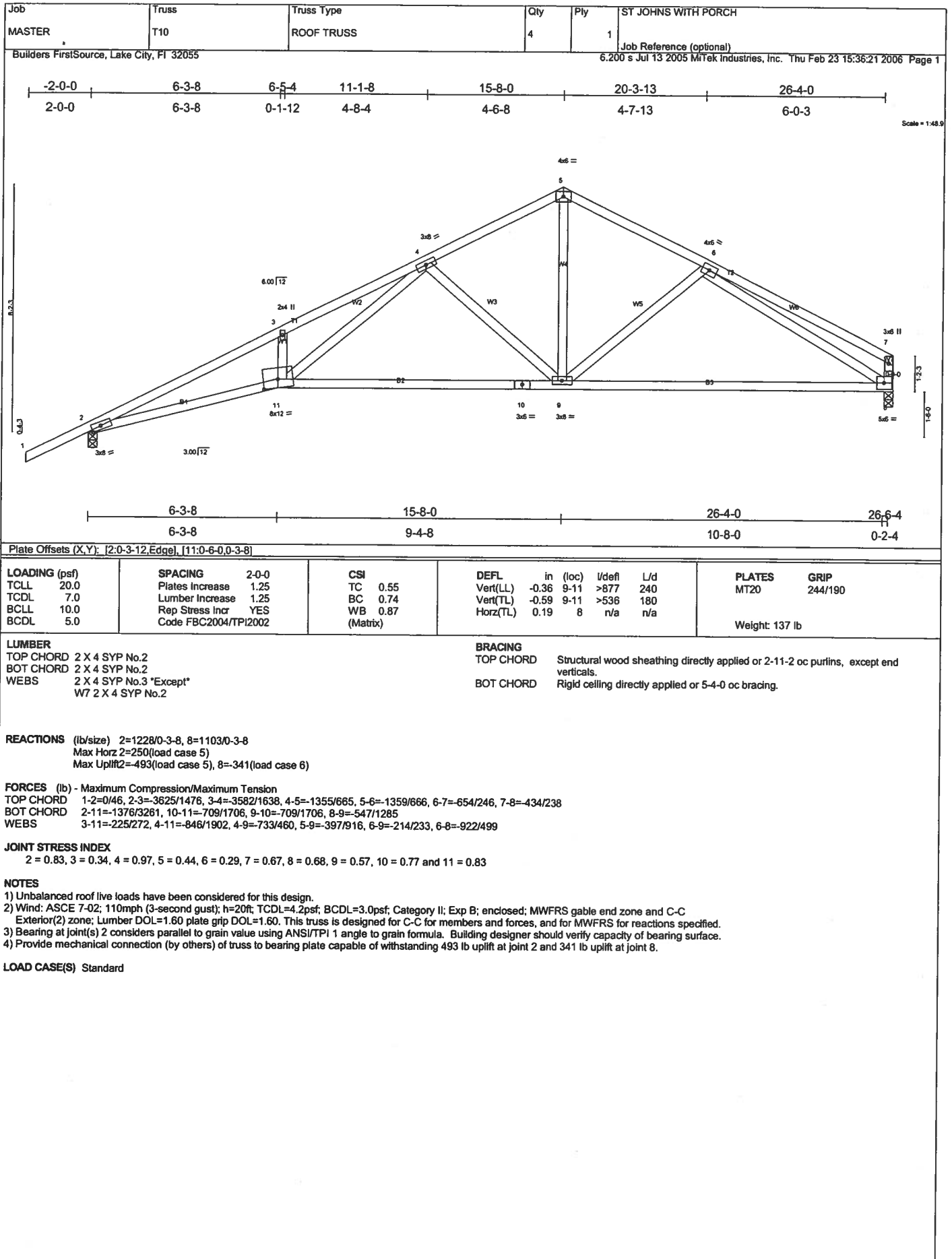
LOAD CASE(S) Standard

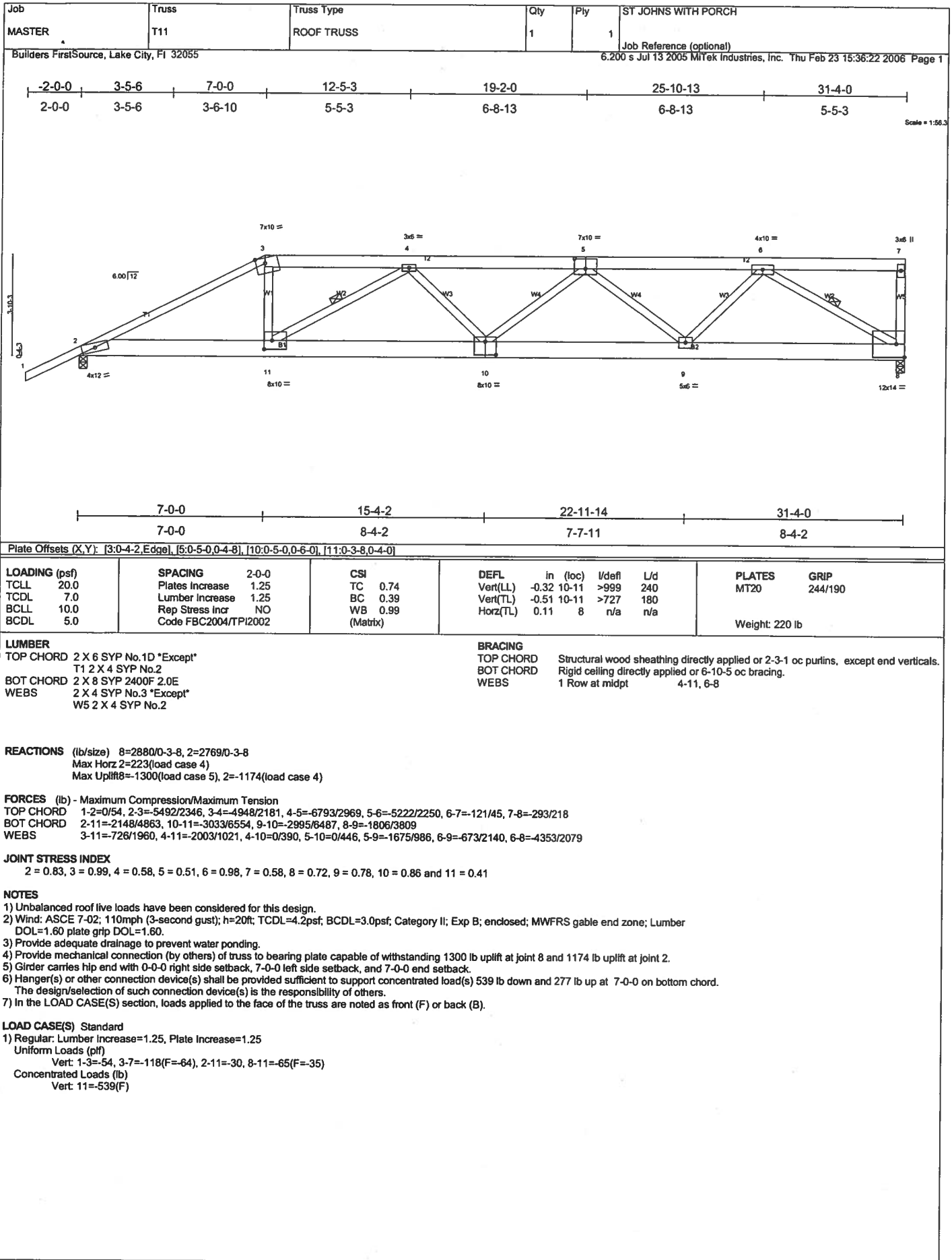


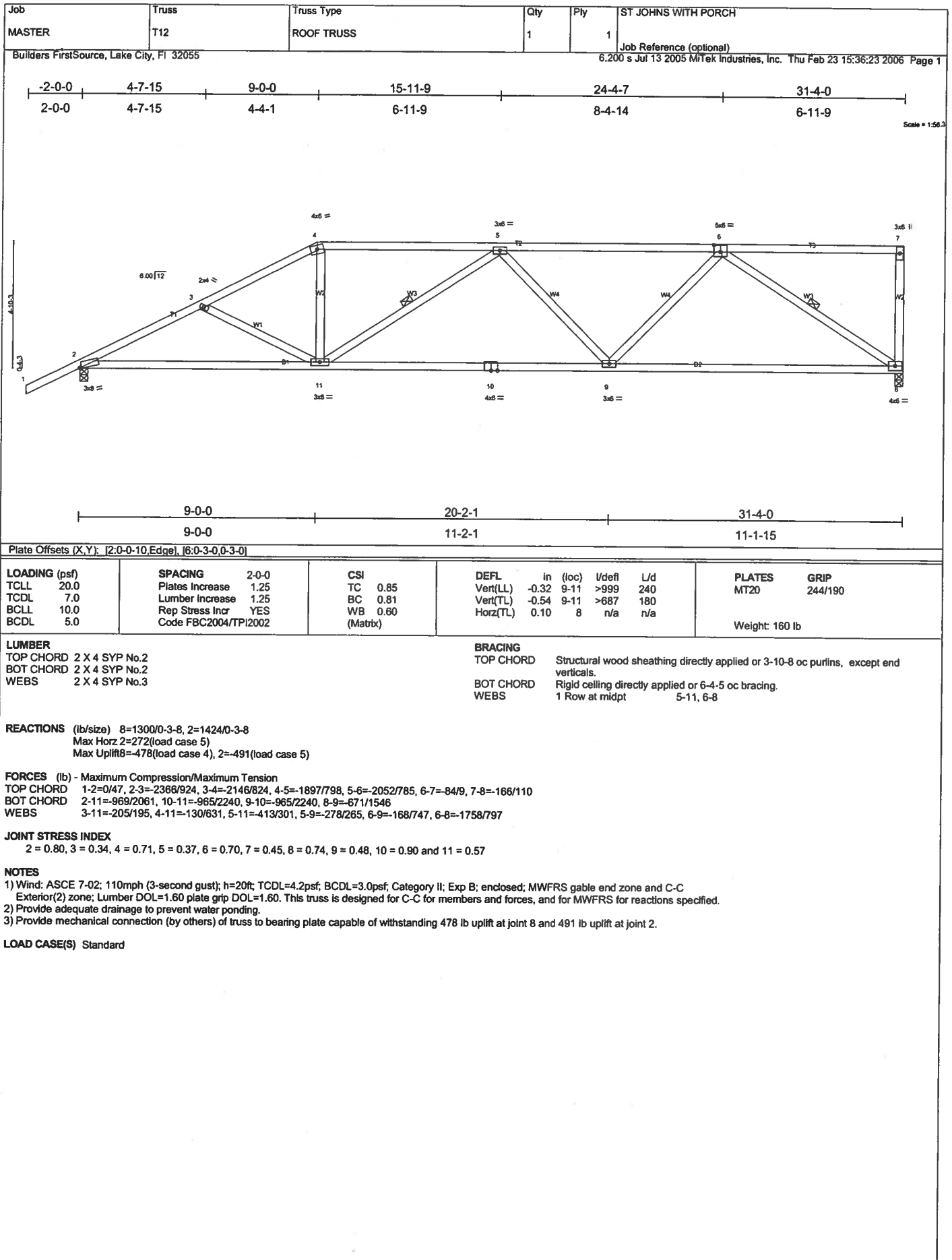


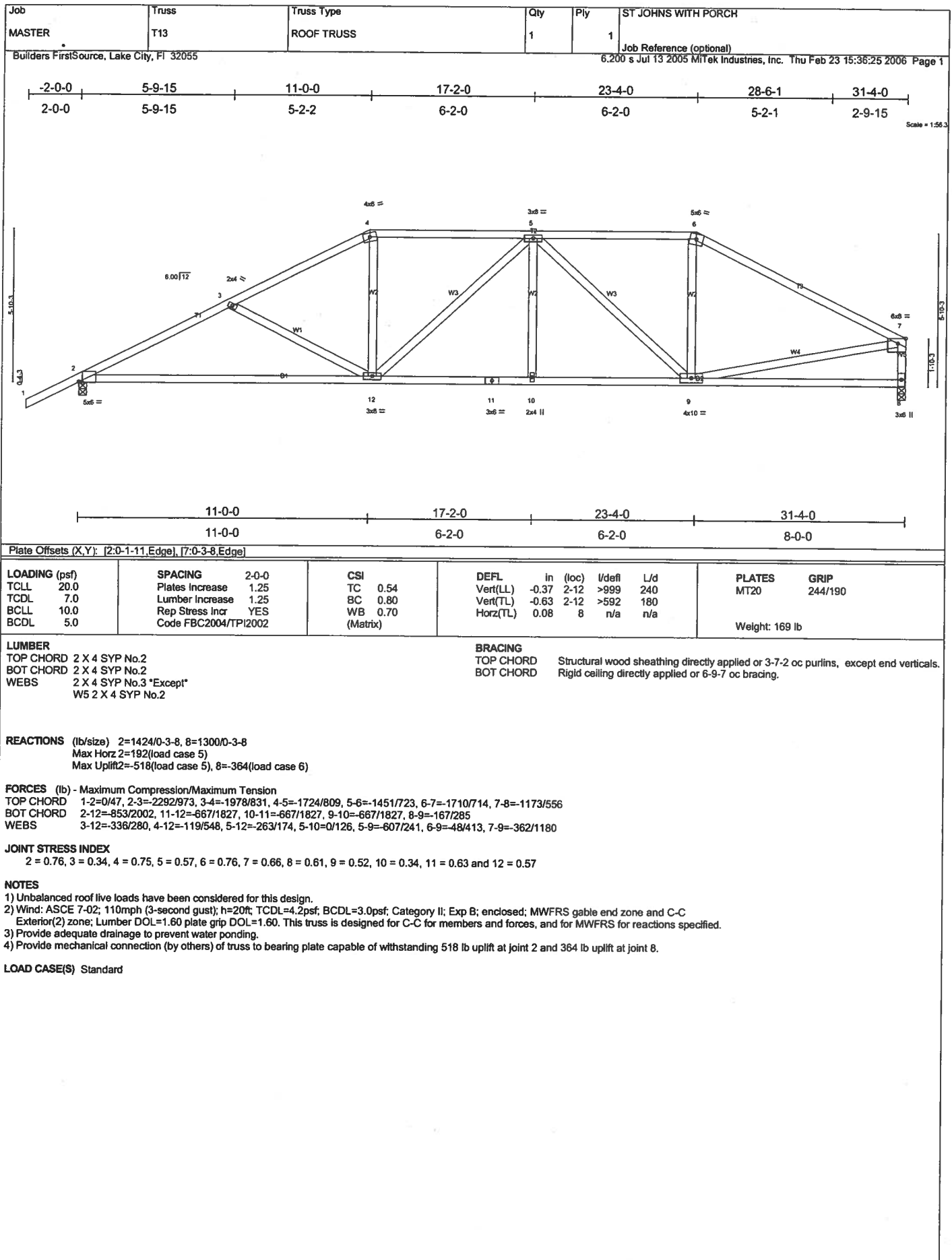


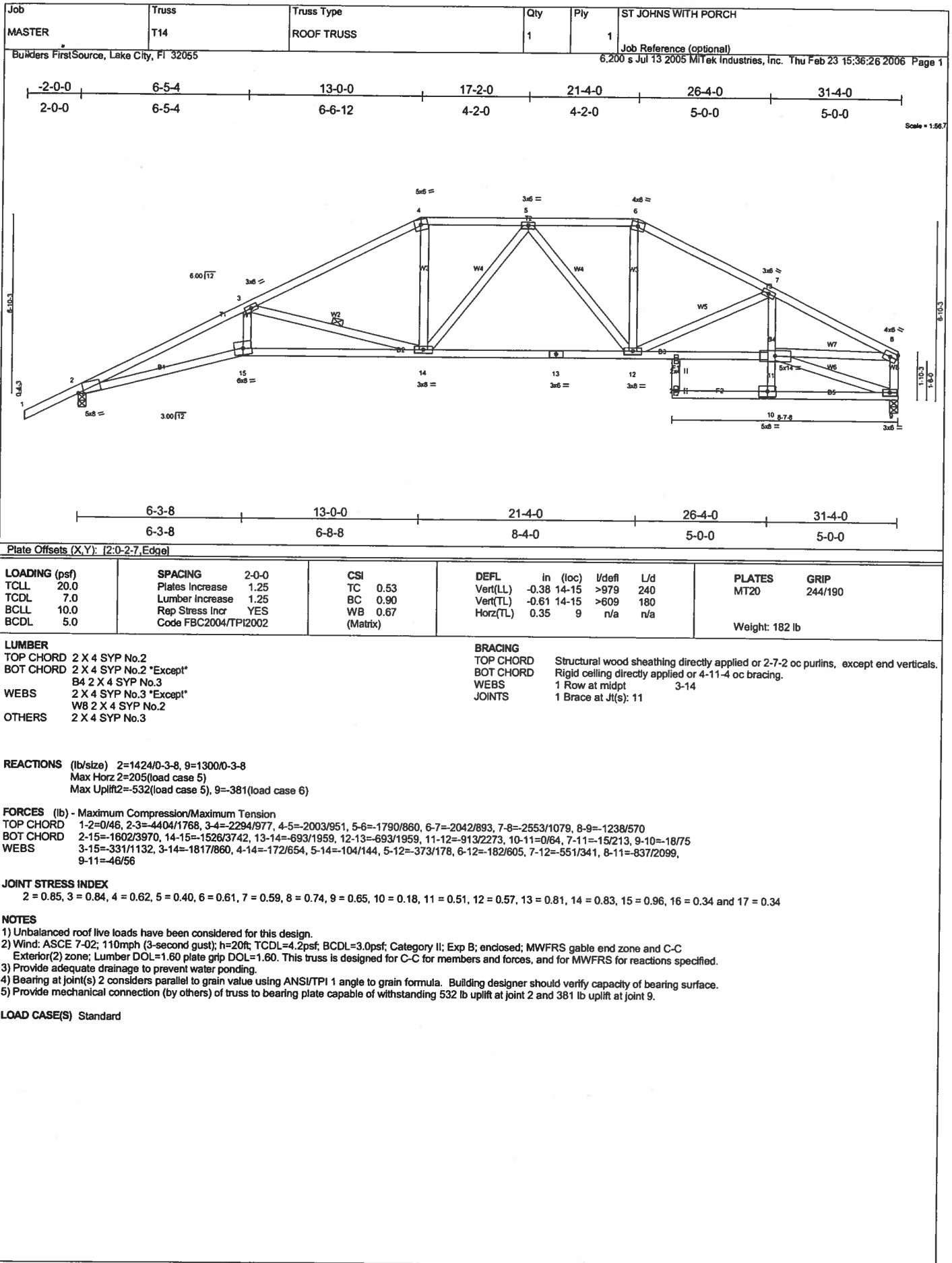


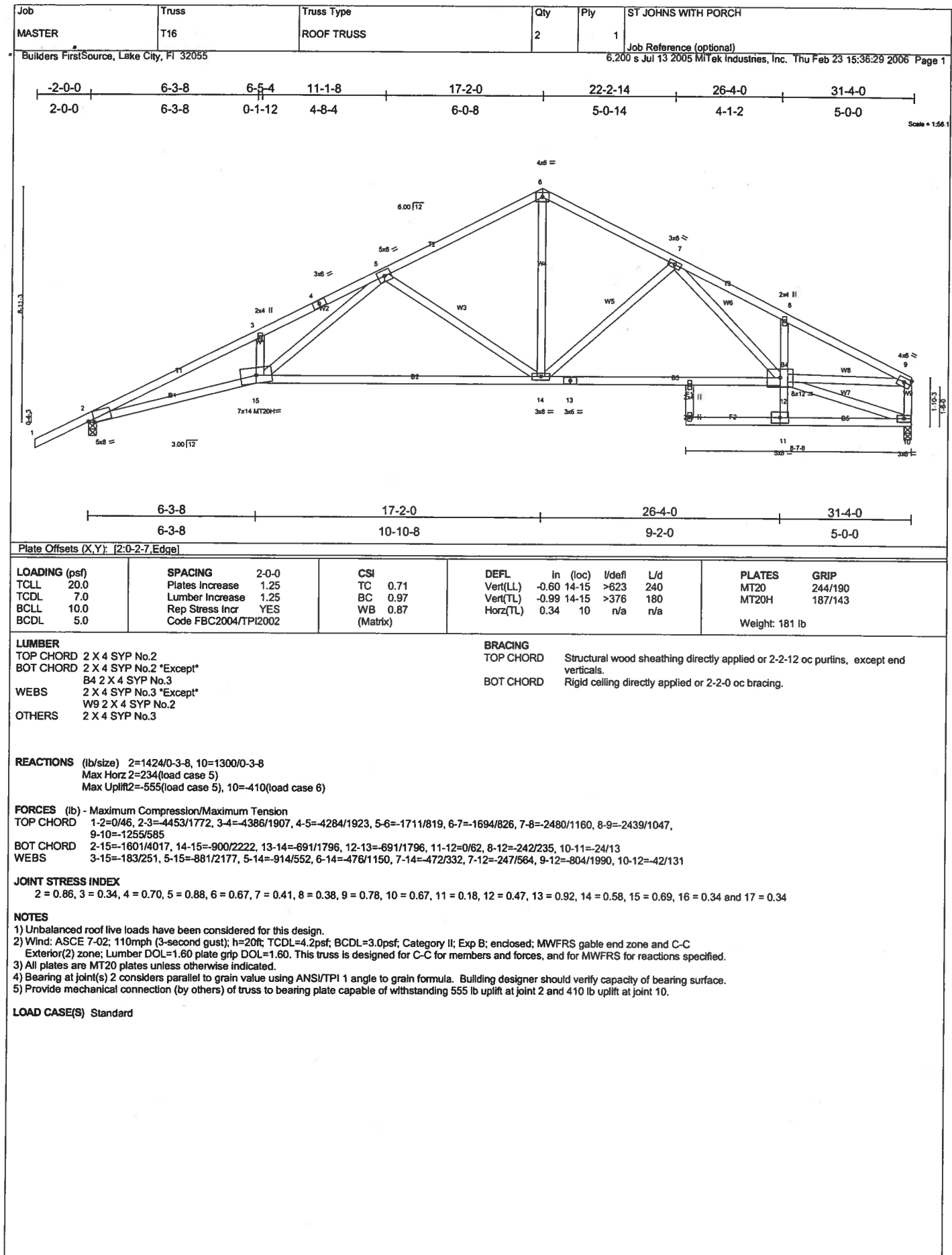












Job MASTER	Truss T17	Truss Type ROOF TRUSS	Qty 1	Ply 1	ST JOHNS WITH PORCH
Builders FirstSource, Lake City, FL 32055			6,200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:36:31 2006 Page 1		

Scale = 1/8"

LOADING (psf) TCLL 20.0 TCCL 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 0.71 BC 0.90 WB 0.71 (Matrix)
DEFL in (loc) l/defl L/d Vert(LL) -0.51 13-14 >735 240 Vert(TL) -0.83 13-14 >447 180 Horiz(TL) 0.27 9 n/a n/a		

PLATES MT20 244/190 MT20H 187/143 Weight: 163 lb	GRIP 244/190 187/143
--	-----------------------------------

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 2-2-11 oc purlins. BOT CHORD Rigid ceiling directly applied or 5-2-13 oc bracing.
--	--

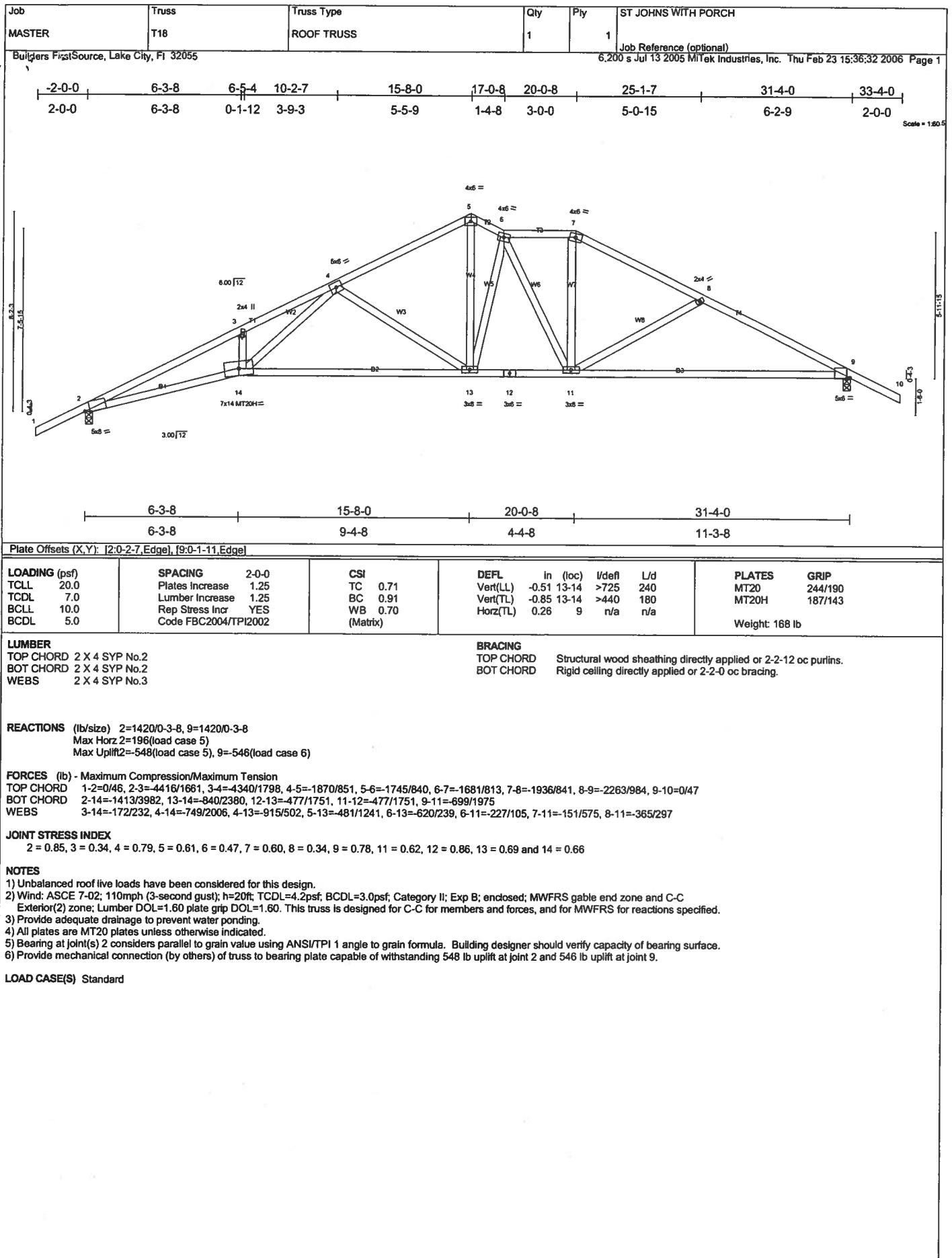
REACTIONS (lb/size) 2=1420/0-3-8, 9=1420/0-3-8
 Max Horz 2=196(load case 5)
 Max Uplift 2=548(load case 5), 9=546(load case 6)

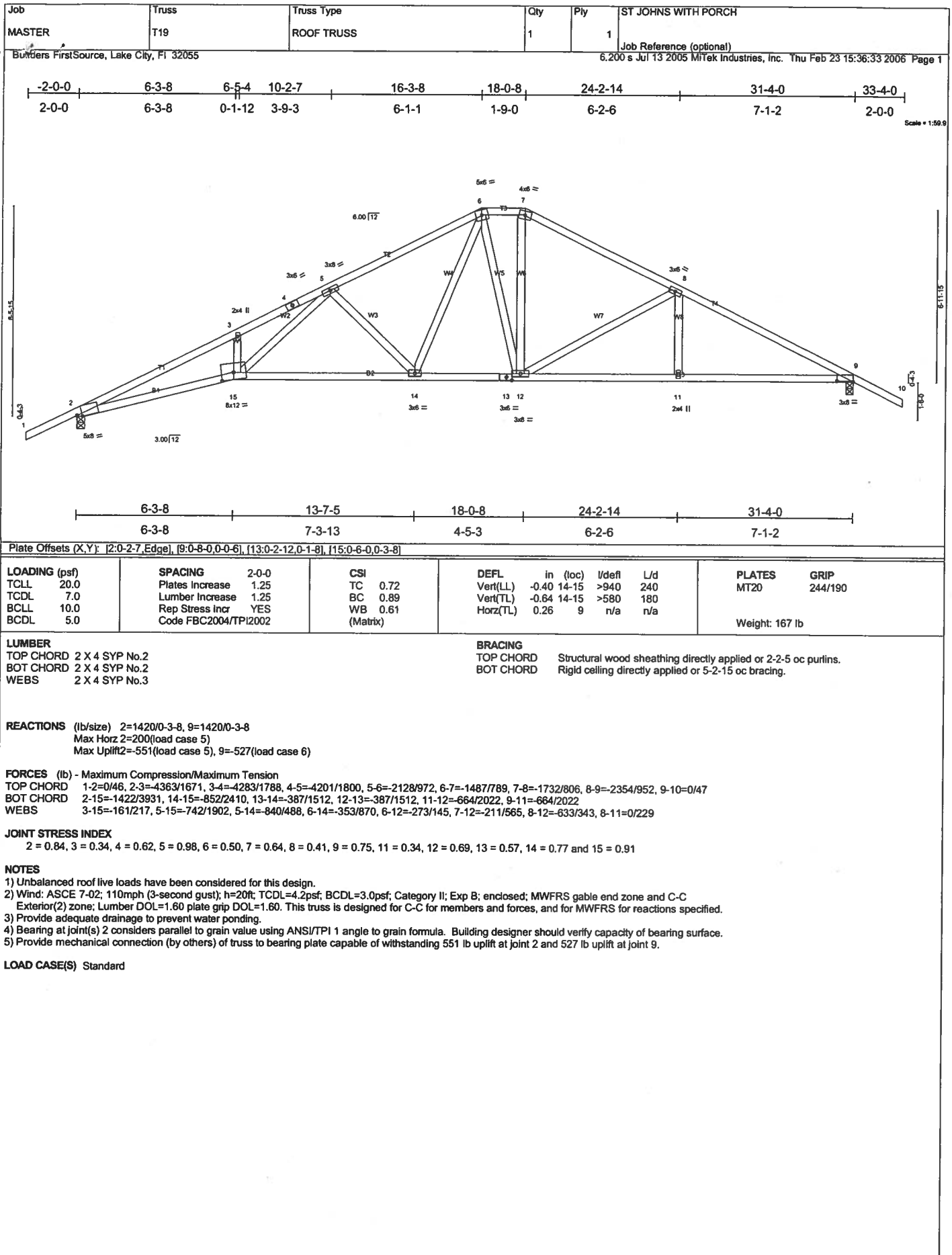
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/46, 2-3=4411/1665, 3-4=4334/1801, 4-5=1873/851, 5-6=1820/861, 6-7=1828/848, 7-8=2077/884, 8-9=2330/991, 9-10=0/47
 BOT CHORD 2-14=-1416/3977, 13-14=-843/2384, 12-13=-628/2028, 11-12=-628/2028, 9-11=-717/2034
 WEBS 3-14=-169/230, 4-14=-749/1994, 4-13=-920/506, 5-13=-532/1325, 6-13=-703/355, 6-11=-386/188, 7-11=-208/681, 8-11=-271/219

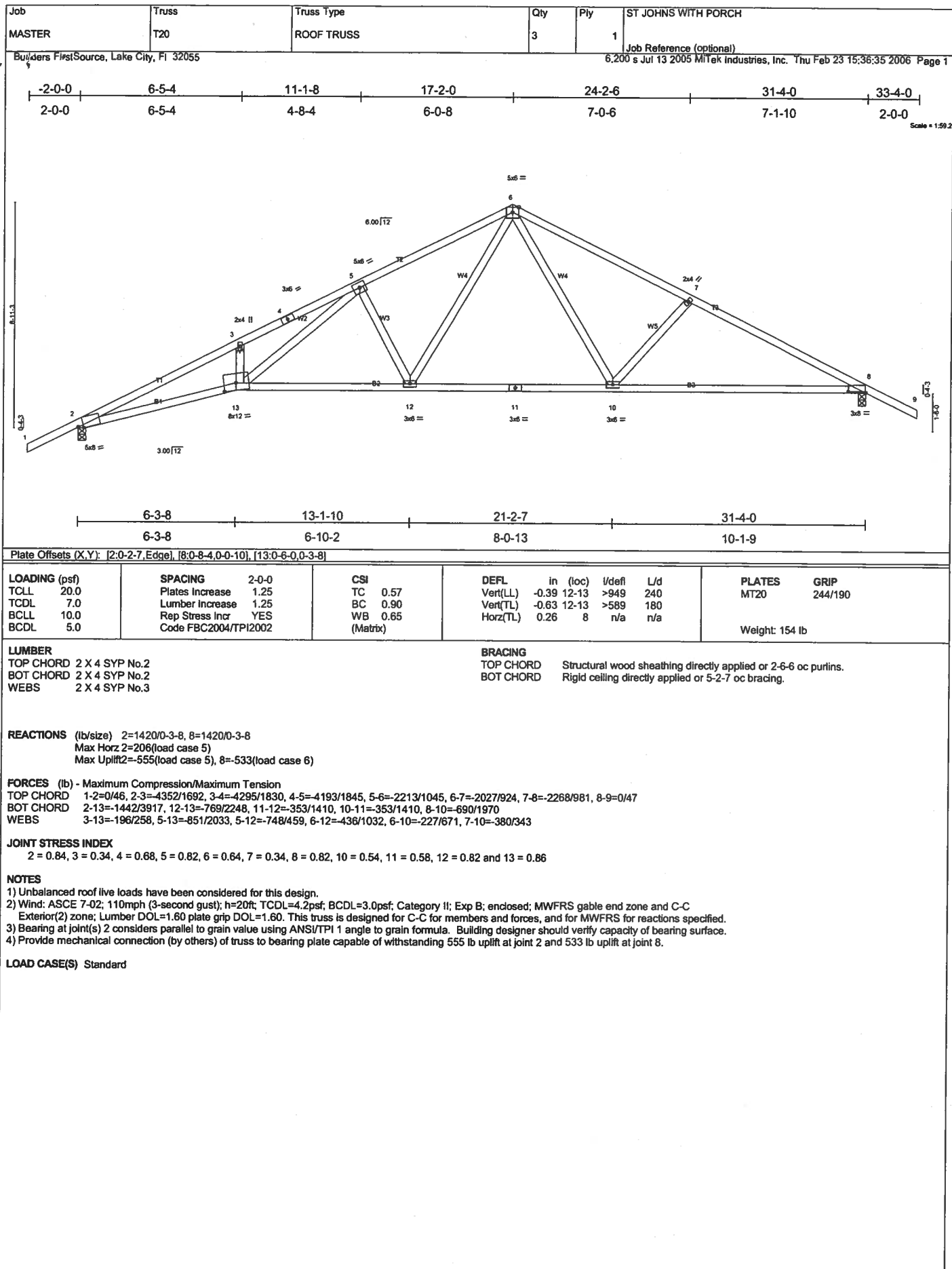
JOINT STRESS INDEX
 2 = 0.85, 3 = 0.34, 4 = 0.78, 5 = 0.64, 6 = 0.44, 7 = 0.48, 8 = 0.34, 9 = 0.67, 11 = 0.59, 12 = 0.79, 13 = 0.66 and 14 = 0.65

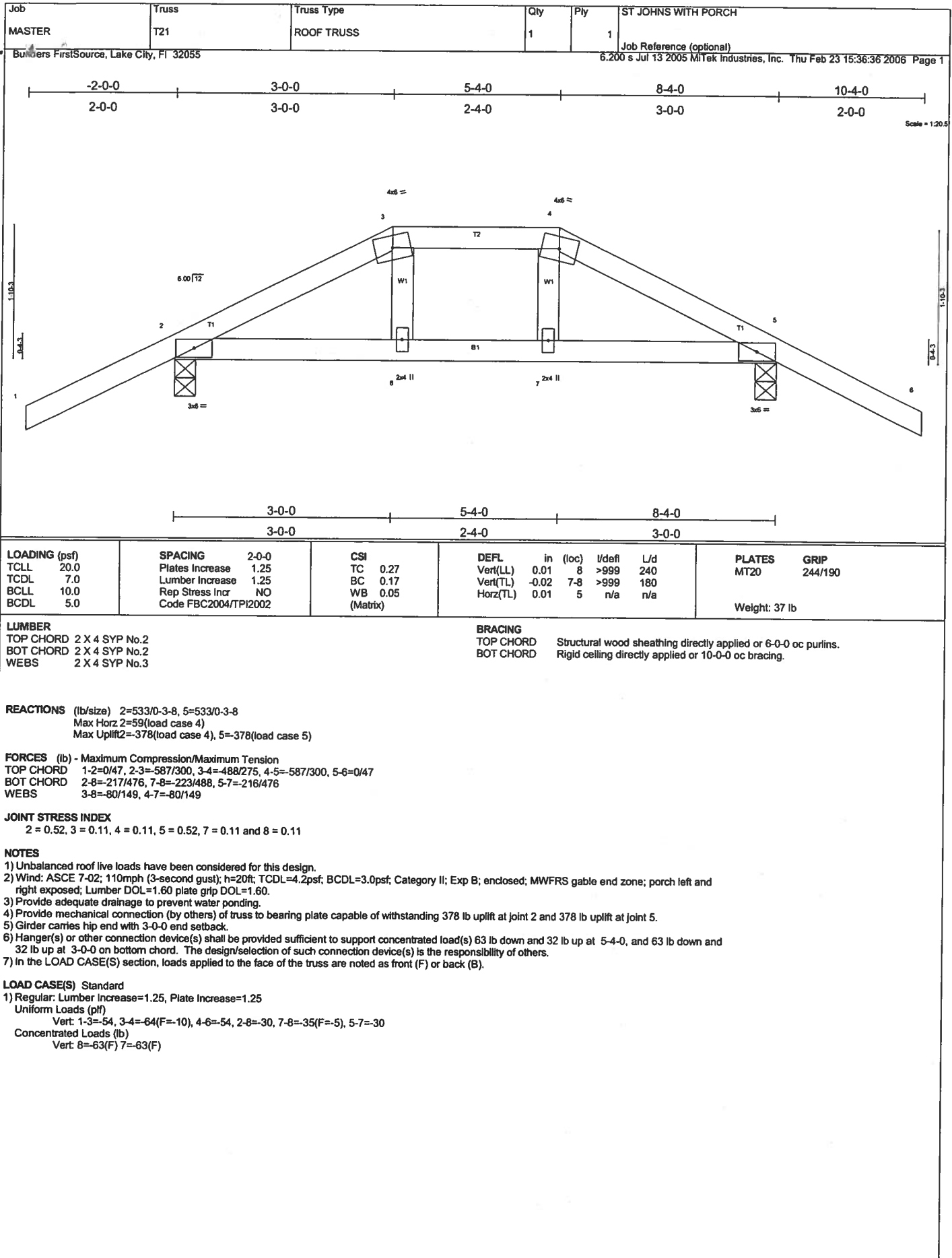
NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide adequate drainage to prevent water ponding.
 4) All plates are MT20 plates unless otherwise indicated.
 5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 548 lb uplift at joint 2 and 546 lb uplift at joint 9.

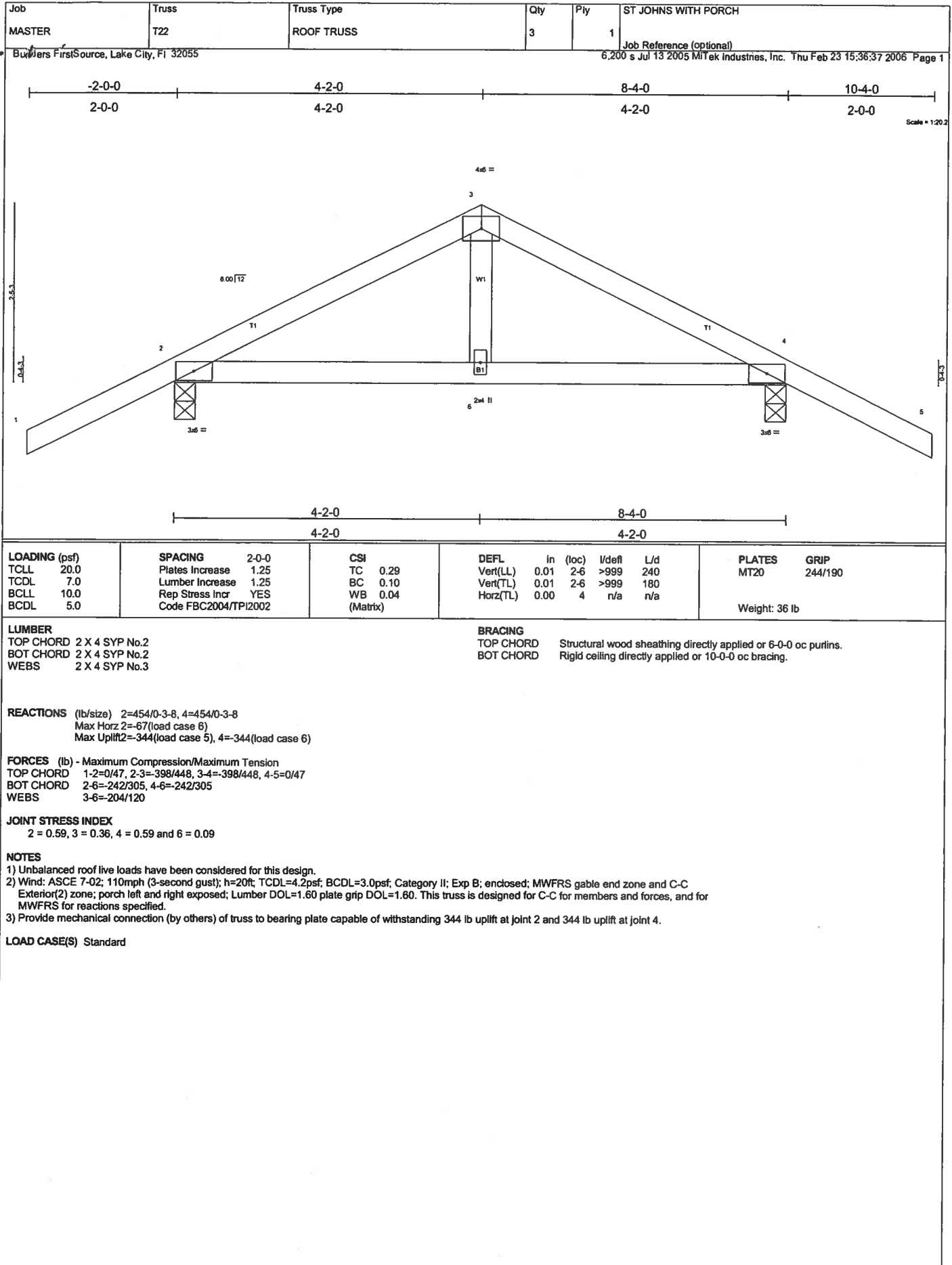
LOAD CASE(S) Standard





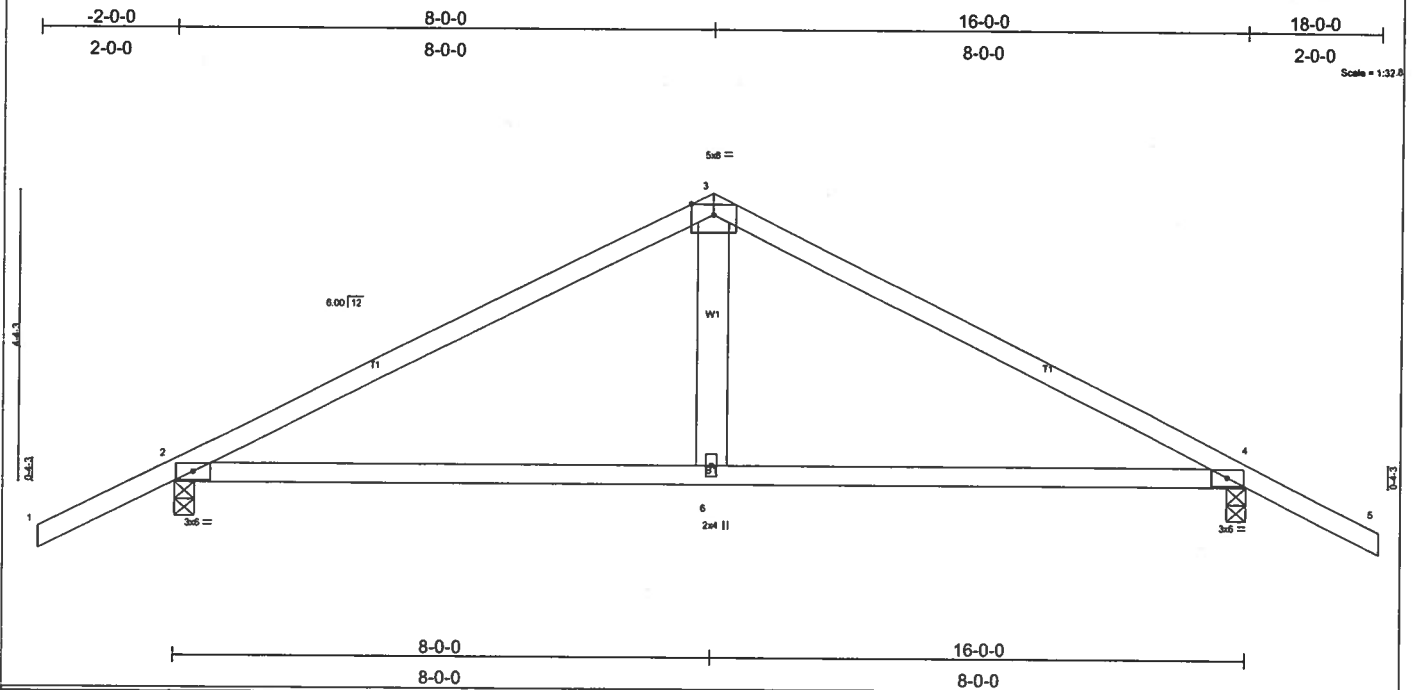






Job	Truss	Truss Type	Qty	Ply	ST JOHNS WITH PORCH
MASTER	T24	ROOF TRUSS	3	1	
Builders FirstSource, Lake City, FL 32055					Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Thu Feb 23 15:36:39 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.51	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.55	Vert(LL) 0.24 2-6 >782 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.07	Vert(TL) -0.20 2-6 >928 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.02 4 n/a n/a		
	Code FBC2004/TPI2002			Weight: 66 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-11-13 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-1-0 oc bracing.

REACTIONS (lb/size) 2=776/0-3-8, 4=776/0-3-8
 Max Horz 2=94(load case 5)
 Max Uplift 2=539(load case 5), 4=539(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=930/981, 3-4=930/981, 4-5=0/47
 BOT CHORD 2-6=-689/752, 4-6=-689/752
 WEBS 3-6=-489/295

JOINT STRESS INDEX
 2 = 0.62, 3 = 0.78, 4 = 0.62 and 6 = 0.22

NOTES

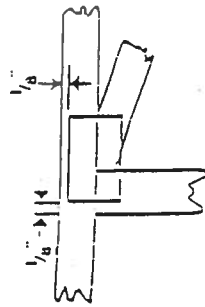
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 539 lb uplift at joint 2 and 539 lb uplift at joint 4.

LOAD CASE(S) Standard

Symbols

PLATE LOCATION AND ORIENTATION

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



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

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



PLATE SIZE

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

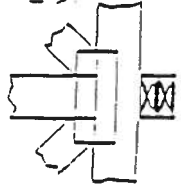


LATERAL BRACING



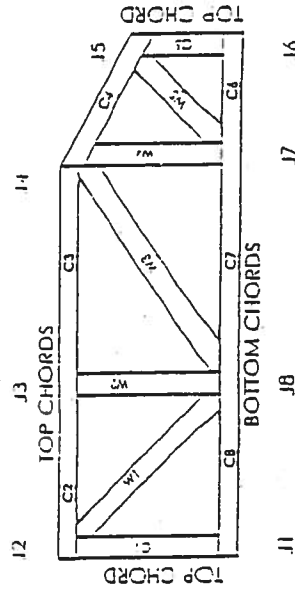
Indicates location of required continuous lateral bracing.

BEARINGS



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

Numbering System



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

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DIHR	960022-W, 970036-11
TIER	561



MITel Engineering Reference Sheet: MIT-7473

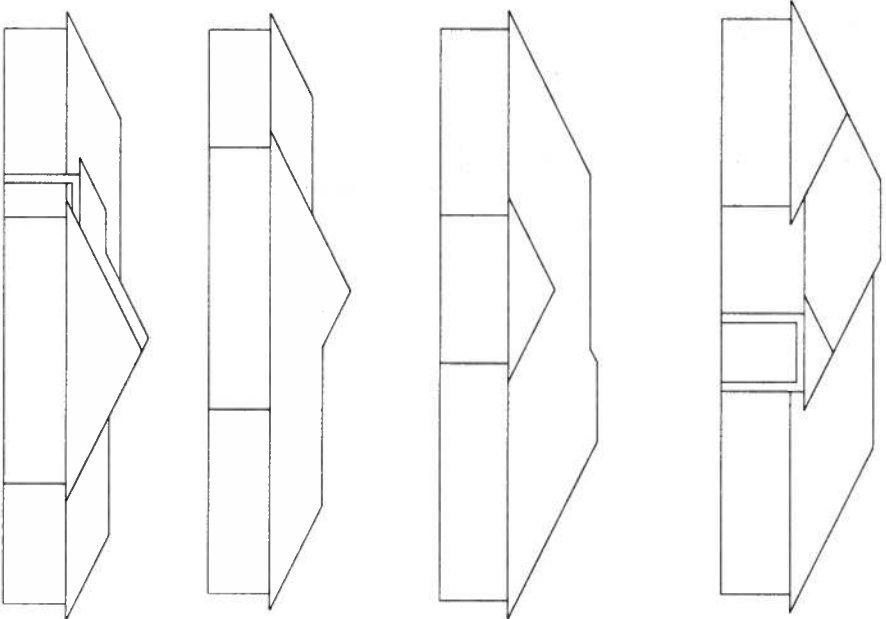
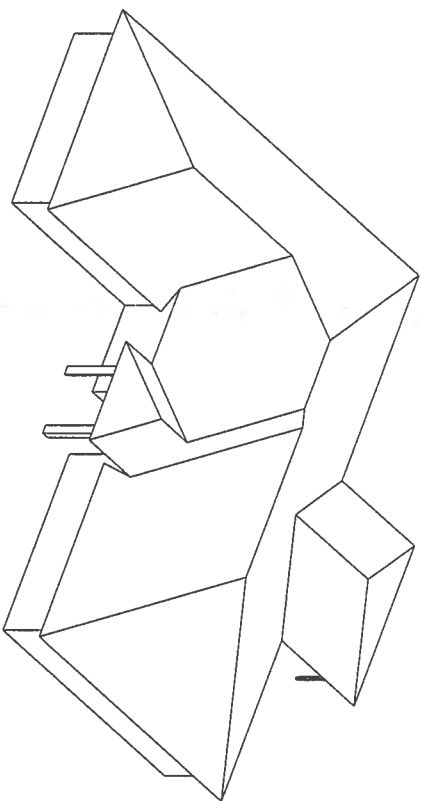
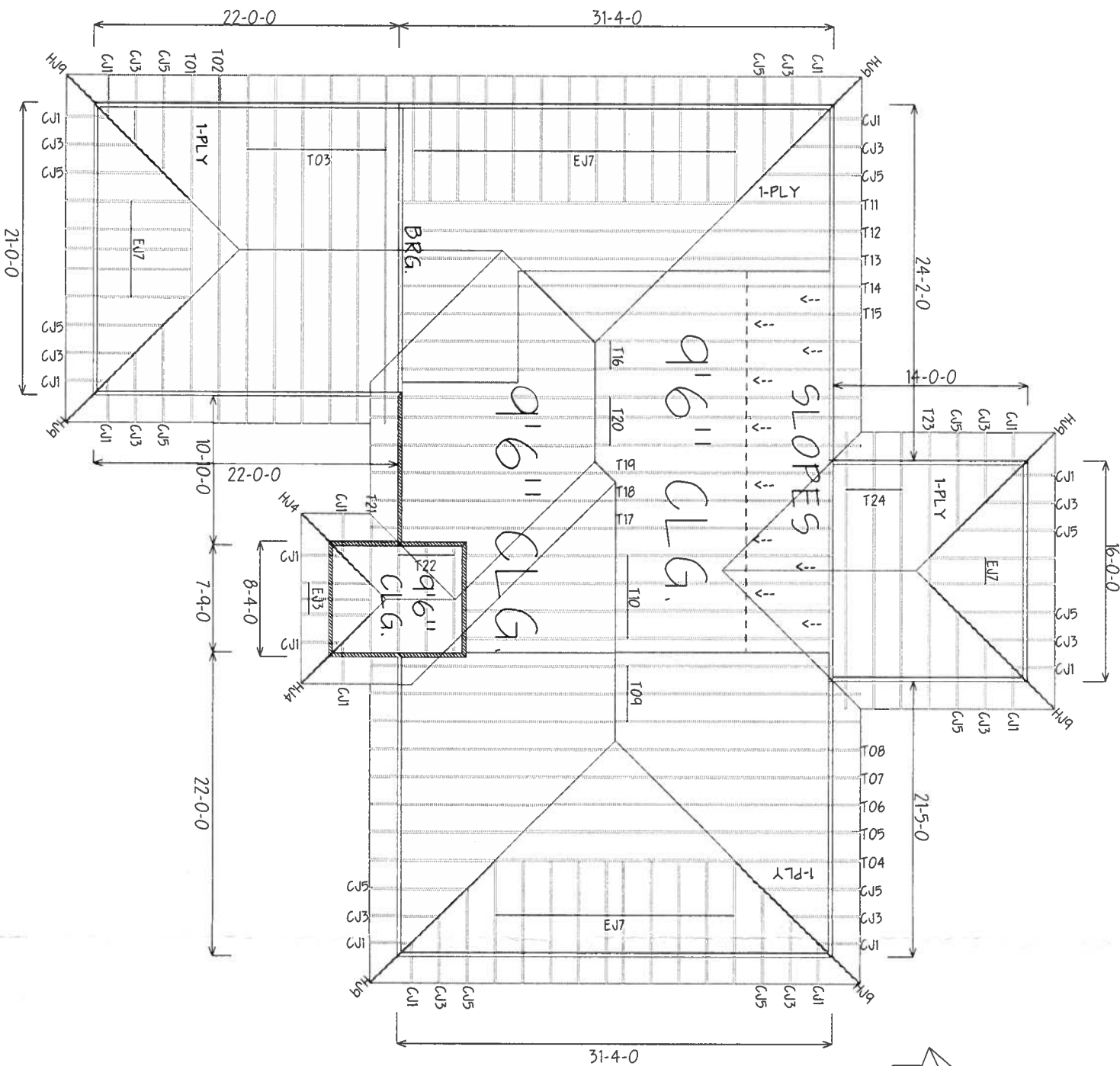
General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

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6/12 PITCH - 2'0" O/H



BEARING HEIGHT SCHEDULE

	8'-0"
	9'-6"

NOTES:

- 1) REFER TO HD 91 (RECOMMENDATIONS FOR BEARING HEIGHTS AND TYPICAL ROOFING) FOR BEARING HEIGHTS AND TYPICAL ROOFING REQUIREMENTS.
- 2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FLASHINGS) MUST BE CONSIDERED AS BEARING HEIGHTS FOR BEARING REQUIREMENTS.
- 3) ALL VALLEYS ARE TO BE CONVENTIONALLY FLASHED BY MANUFACTURER.
- 4) ALL TRUSSES ARE DESIGNED FOR 2" x 6" MODULAR SPACING, UNLESS OTHERWISE NOTED.
- 5) ALL WALLS SHOWN ON PLAN ARE TO BE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
- 6) 5/16" x 10" TRUSSES MUST BE INSTALLED WITH THE TOP BEARING UP.
- 7) ALL ROOF TRUSSES UNLESS NOTED TO BE 5/16" x 10" MUST BE CONSIDERED TO BE 5/16" x 10" UNLESS OTHERWISE NOTED.
- 8) BEARING HEIGHTS (HD 91) TO BE FURNISHED BY MANUFACTURER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR INFORMATION OF TRUSSES AND JOISTS. ALL TRUSSES AND JOISTS MUST BE DESIGNED BEFORE ANY TRUSSES OR JOISTS ARE ORDERED. THE LAYOUT MUST BE RECHECKED BEFORE ANY TRUSSES OR JOISTS ARE ORDERED. THE LAYOUT MUST BE RECHECKED BEFORE ANY TRUSSES OR JOISTS ARE ORDERED.

Approved by: _____

Date: _____



Dumrell

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Lake City

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OWNER: GIEBELG HOMES

LOT 7 CANNON CREEK PLACE

ST. JOHNS 4-BDRM NTS

2123106 K.L.H. L152525