

DATE 06/23/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000024661

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024

OWNER MARTIN HOME BUILDERS PHONE 397-4534

ADDRESS 453 SW MORNING GLORY DRIVE LAKE CITY FL 32024

CONTRACTOR BEN MARTIN PHONE 397-4534

LOCATION OF PROPERTY 90W, TL ON SISTERS WELCOME RD, TR ON HOPE HENRY, TR ON MORNING GLORY DR, 1ST LOT ON LEFT OF CUL-DE-SAC

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 93150.00

HEATED FLOOR AREA 1863.00 TOTAL AREA 2564.00 HEIGHT 1 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 24

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

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

PARCEL ID 15-4S-16-03023-516 SUBDIVISION ROLLING MEADOWS

LOT 16 BLOCK PHASE UNIT TOTAL ACRES

000001127

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor

06-0566-N BK JH

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE

Plat requires mff Elevation to be @ 107.0ft, Elevation confirmation letter required before slab. J.H.L.

Check # or Cash 2309

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 \$ 470.00 CERTIFICATION FEE \$ 12.82 SURCHARGE FEE \$ 12.82

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 595.64

INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

0606-53

THIS INSTRUMENT PREPARED BY
& RETURN TO:
Columbia County Bank
Linda Evans
173 NW Hillsboro Street
Lake City, FL 32055
REC: \$

Inst: 2006014834 Date: 06/20/2006 Time: 15:41
J. P. DeWitt Cason, Columbia County B: 1087 P: 885

NOTICE OF COMMENCEMENT

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 #16, Rolling Meadows Subdivision
Lying in Columbia County, Florida
2. General Description of Improvements: 1,933 square foot single family residence
3. Owner Information: Martin Home Builders, Inc.
359 Hamlet Circle
Lake City, FL 32024
Phone: 386-397-4534
- Owner's Interest in Property: Fee Simple
4. Contractor: Owner
5. Lender: Columbia County Bank
173 NW Hillsboro Street
Lake City, FL 32055

6. Additional persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes:

7. Expiration date of Notice of Commencement is one (1) year from the date of recording.

Martin Home Builders, Inc.

Bennett G. Martin

Bennett G. Martin, President

STATE OF FLORIDA
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 19 day of June, 2006 by
Bennett G. Martin, as President of Martin Home Builders, Inc.



NOTARY PUBLIC

Elizabeth Carrender
Name

State of Florida at Large (SEAL)

Personally Known: _____

Produced Identification: _____

Type: _____

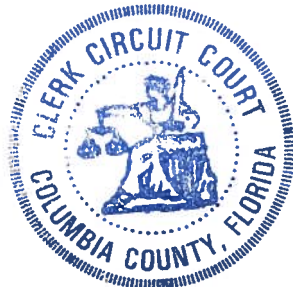
My Commission Expires: _____

(NOC)

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY that the above and foregoing
is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS

By Sharon Seagle
Deputy Clerk

Date 06-20-2006



Lot 16 Rolling Meadows

595.64

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0606-53 Date Received 6/15 By JW Permit # 1127/24661
Application Approved by - Zoning Official BLK Date 2.06.06 Plans Examiner OK JH Date 6-21-06
Flood Zone Appt Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. L - Det.
Comments Ex. Hx. 1 Ph. & 100
Plot Requires MFE. of 107 ft Elevation Letter Required before S/AS

Applicants Name Linda Roder Phone 252-2281
Address 387 SW Kemp Ct. Lake City FL
Owners Name Martin Home Builders Inc. Phone 397-4534
911 Address 453 SW Morning Glory Dr. Lake City FL 32024
Contractors Name Ben Martin Phone 397-4534
Address P.O.B. 1831 Lake City FL 32056
Fee Simple Owner Name & Address NA
Bonding Co. Name & Address NA
Architect/Engineer Name & Address Evan Beamsley / Mark Disosway
Mortgage Lenders Name & Address

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 15-45-16-03023-S16 Estimated Cost of Construction 150 K
Subdivision Name Rolling Meadows Lot 16 Block Unit Phase
Driving Directions 90 W. To C-341, Lon Hope Henry Rd. R on
Morning Glory Dr, 16th lot down on 1st lot on left of cul-de-sac next to last lot on left

Type of Construction SFD Number of Existing Dwellings on Property 0
Total Acreage .510 Lot Size Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 40' Side 25' Side 37' Rear 69'
Total Building Height 24'-2" Number of Stories 1 Heated Floor Area 1863 Roof Pitch 8-12
Porch 174 GARAGE 532 TOTAL 2569

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.

Owner Builder or Agent (Including Contractor) Linda R. Roder
Commission # DD303275
Expires: Mar 24, 2008
Bonded Thru Atlantic Bonding Co., Inc.

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this _____ day of _____ 20____.

Personally known _____ or Produced Identification _____

Ben Martin
Contractor Signature
Contractors License Number CBC 059077
Competency Card Number
NOTARY STAMP/SEAL

Linda Roder
Notary Signature

This instrument prepared by:
William J. Haley, Esquire
Brannon, Brown,
Haley & Bullock, P. A.
P. O. Box 1029
Lake City, FL 32056-1029

Inst:2005027696 Date:11/07/2005 Time:11:12
Doc Stamp-Deed : 1260.00
mk DC, P. Dewitt Cason, Columbia County B:1064 P:728

RETURN TO
Terry McDavid
P. O. Box 1328
Lake City, FL 32056-1328

SPECIAL WARRANTY DEED

THIS INDENTURE, made this 4th day of November, between **RML HOLDINGS, INC.**, a Florida corporation, having a mailing address of 703 NW Blackberry Circle, Lake City, Florida 32055, hereinafter referred to as Grantor, and **MARTIN HOME BUILDERS, INC.**, a Florida corporation, having a mailing address of P.O. Box 1831, Lake City, Florida 32056, hereinafter referred to as Grantee.

WITNESSETH: That said Grantor, for and in consideration of the sum of \$10.00 and other good and valuable considerations to said Grantor in hand paid by said Grantee, the receipt and sufficiency of which are hereby acknowledged, have granted, bargained and sold to the said Grantee, and Grantee's successors and assigns forever, the following described land, situate, lying and being in **Columbia County, Florida**, to-wit:

Lot(s) 10, 11, 15, and 16, **ROLLING MEADOWS**, a subdivision according to the plat thereof, as recorded in Plat Book 8, pages 45 and 46, public records of Columbia County, Florida

PARCEL NO. Part of 15-4S-16-03023-005

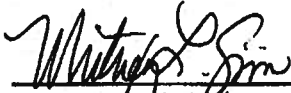
SUBJECT TO: Taxes and special assessments for the year 2006 and subsequent years; restrictions, reservations, rights of way for public roads, easements of record, if any; and zoning and any other governmental restrictions regulating the use of the lands.

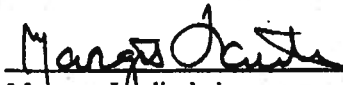
and said Grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons claiming by, through or under said Grantor.

IN WITNESS WHEREOF, Grantor has hereunto set its hand and seal the day and year first above written.

Signed, sealed and delivered
in the presence of:

RML HOLDINGS, INC., a Florida
corporation


Print Name: Whitney L. Simic

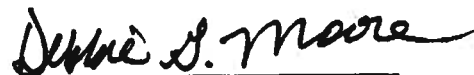
By: 
Margaret Lardizabal
Vice President


Print Name: Debbie G. Moore

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 3rd day of November,
2005, by Margaret Lardizabal, as Vice President of RML Holdings, Inc., a Florida corporation,
on behalf of said corporation, who is personally known to me.

Inst:2005027696 Date:11/07/2005 Time:11:12
Doc Stamp-Deed : 1260.00
DC, P. Dewitt Cason, Columbia County B:1064 P:729


Notary Public, State of Florida

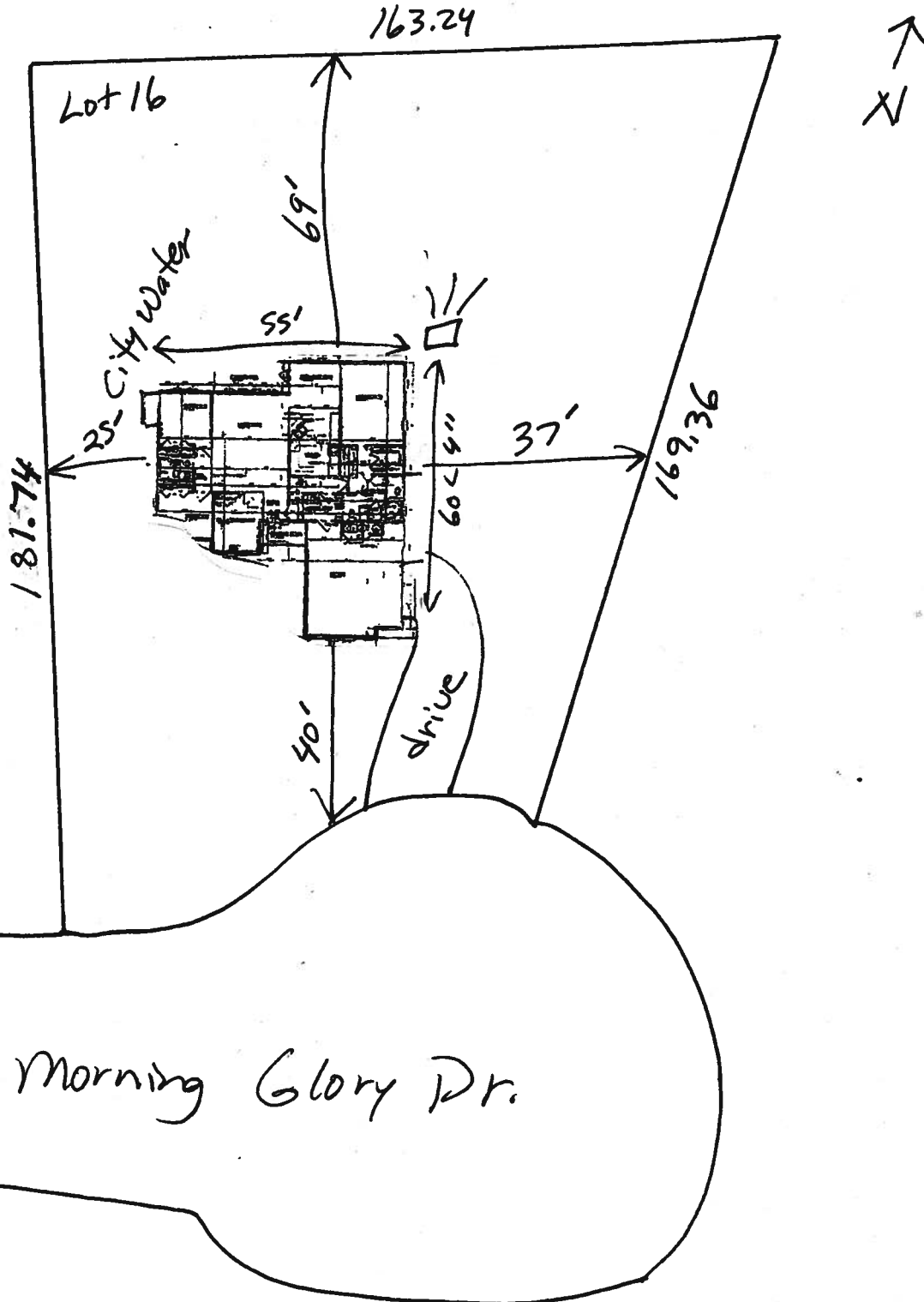


Lot 16 Rolling Meadows

15-45-16-03023-516

• 51 ac

Martin Home Builders Inc.



Notice of Authorization

I Ben Martin, do hereby authorize Linda Roder or Melanie Roder,

to be my representative and act on my behalf in all aspects of applying for a Building &

Septic permit to be located Columbia County

X Ben Martin

Contractor's signature

6-9-06

Date



Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

Sworn and subscribed before me this 9 day of June, 2006

Linda R. Roder

Notary Public

Personally known ✓

Produced ID (Type): ✓

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: 601251 Martin Ben Address: Lot 16, Sub: Rolling Meadow, Plat: City, State: , FL Owner: Spec House Lani III Climate Zone: North	Builder: Martin Home Builders Permitting Office: Columbia Permit Number: 24661 Jurisdiction Number: 221000
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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) 1863 ft² ☐ 7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default) <table style="width: 100%;"> <tr> <td style="width: 30%;">a. U-factor:</td> <td style="width: 30%;">Description</td> <td style="width: 40%;">Area</td> </tr> <tr> <td>(or Single or Double DEFAULT)</td> <td>7a. (Dble Default)</td> <td>270.1 ft²</td> </tr> <tr> <td>b. SHGC:</td> <td>7b. (Clear)</td> <td>270.1 ft²</td> </tr> <tr> <td>(or Clear or Tint DEFAULT)</td> <td></td> <td></td> </tr> </table> 8. Floor types <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Slab-On-Grade Edge Insulation</td> <td style="width: 30%;">R=0.0, 202.0(p) ft</td> <td style="width: 40%;"></td> </tr> <tr> <td>b. N/A</td> <td></td> <td></td> </tr> <tr> <td>c. N/A</td> <td></td> <td></td> </tr> </table> 9. Wall types <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Frame, Wood, Exterior</td> <td style="width: 30%;">R=13.0, 1376.9 ft²</td> <td style="width: 40%;"></td> </tr> <tr> <td>b. Frame, Wood, Exterior</td> <td>R=13.0, 176.0 ft²</td> <td></td> </tr> <tr> <td>c. N/A</td> <td></td> <td></td> </tr> <tr> <td>d. N/A</td> <td></td> <td></td> </tr> <tr> <td>e. N/A</td> <td></td> <td></td> </tr> </table> 10. Ceiling types <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Under Attic</td> <td style="width: 30%;">R=30.0, 1863.0 ft²</td> <td style="width: 40%;"></td> </tr> <tr> <td>b. N/A</td> <td></td> <td></td> </tr> <tr> <td>c. N/A</td> <td></td> <td></td> </tr> </table> 11. Ducts <table style="width: 100%;"> <tr> <td style="width: 30%;">a. Sup: Unc. Ret: Unc. AH: Interior</td> <td style="width: 30%;">Sup. R=6.0, 175.0 ft</td> <td style="width: 40%;"></td> </tr> <tr> <td>b. N/A</td> <td></td> <td></td> </tr> </table>	a. U-factor:	Description	Area	(or Single or Double DEFAULT)	7a. (Dble Default)	270.1 ft²	b. SHGC:	7b. (Clear)	270.1 ft²	(or Clear or Tint DEFAULT)			a. Slab-On-Grade Edge Insulation	R=0.0, 202.0(p) ft		b. N/A			c. N/A			a. Frame, Wood, Exterior	R=13.0, 1376.9 ft²		b. Frame, Wood, Exterior	R=13.0, 176.0 ft²		c. N/A			d. N/A			e. N/A			a. Under Attic	R=30.0, 1863.0 ft²		b. N/A			c. N/A			a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 175.0 ft		b. N/A			12. Cooling systems <table style="width: 100%;"> <tr> <td style="width: 60%;">a. Central Unit</td> <td style="width: 40%;">Cap: 40.0 kBtu/hr</td> </tr> <tr> <td></td> <td>SEER: 10.00</td> </tr> <tr> <td>b. N/A</td> <td></td> </tr> <tr> <td>c. N/A</td> <td></td> </tr> </table> 13. Heating systems <table style="width: 100%;"> <tr> <td style="width: 60%;">a. Electric Heat Pump</td> <td style="width: 40%;">Cap: 40.0 kBtu/hr</td> </tr> <tr> <td></td> <td>HSPF: 7.00</td> </tr> <tr> <td>b. N/A</td> <td></td> </tr> <tr> <td>c. N/A</td> <td></td> </tr> </table> 14. Hot water systems <table style="width: 100%;"> <tr> <td style="width: 60%;">a. Electric Resistance</td> <td style="width: 40%;">Cap: 40.0 gallons</td> </tr> <tr> <td></td> <td>EF: 0.93</td> </tr> <tr> <td>b. N/A</td> <td></td> </tr> <tr> <td>c. Conservation credits</td> <td></td> </tr> <tr> <td>(HR-Heat recovery, Solar</td> <td></td> </tr> <tr> <td>DHP-Dedicated heat pump)</td> <td></td> </tr> </table> 15. HVAC credits <table style="width: 100%;"> <tr> <td style="width: 60%;">(CF-Ceiling fan, CV-Cross ventilation,</td> <td style="width: 40%;"></td> </tr> <tr> <td>HF-Whole house fan,</td> <td></td> </tr> <tr> <td>PT-Programmable Thermostat,</td> <td></td> </tr> <tr> <td>MZ-C-Multizone cooling,</td> <td></td> </tr> <tr> <td>MZ-H-Multizone heating)</td> <td></td> </tr> </table>	a. Central Unit	Cap: 40.0 kBtu/hr		SEER: 10.00	b. N/A		c. N/A		a. Electric Heat Pump	Cap: 40.0 kBtu/hr		HSPF: 7.00	b. N/A		c. N/A		a. Electric Resistance	Cap: 40.0 gallons		EF: 0.93	b. N/A		c. Conservation credits		(HR-Heat recovery, Solar		DHP-Dedicated heat pump)		(CF-Ceiling fan, CV-Cross ventilation,		HF-Whole house fan,		PT-Programmable Thermostat,		MZ-C-Multizone cooling,		MZ-H-Multizone heating)	
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Glass/Floor Area: 0.14

Total as-built points: 30213

Total base points: 30349

PASS

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

PREPARED BY: Ben Groulx
DATE: 6-9-06

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

OWNER/AGENT: Lani III
DATE: 6-10-06

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

BUILDING OFFICIAL: _____

DATE: _____



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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Rolling Meadow, Plat: , FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC Overhang Ornt Len Hgt Area X SPM X SOF = Points							
.18	1863.0	20.04	6720.2	Double, Clear	N	1.5	7.0	72.0	19.20	0.96	1320.2
				Double, Clear	N	7.0	7.0	48.0	19.20	0.71	655.2
				Double, Clear	E	1.5	6.5	36.0	42.06	0.93	1403.0
				Double, Clear	E	1.5	6.0	20.0	42.06	0.91	767.9
				Double, Clear	S	5.0	6.0	8.0	35.87	0.55	156.4
				Double, Clear	S	1.5	0.0	22.0	35.87	0.43	340.8
				Double, Clear	S	1.5	6.5	22.0	35.87	0.88	691.9
				Double, Clear	S	1.5	0.0	6.1	35.87	0.43	94.5
				Double, Clear	W	1.5	6.5	36.0	38.52	0.93	1285.8
				As-Built Total: 270.1 6715.6							
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	1376.9	1.50		2065.4
Exterior	1552.9	1.70	2639.9	Frame, Wood, Exterior			13.0	176.0	1.50		264.0
Base Total: 1552.9 2639.9				As-Built Total: 1552.9 2329.4							
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points							
Adjacent	20.0	1.60	32.0	Exterior Insulated				40.0	4.10		164.0
Exterior	40.0	4.10	164.0	Adjacent Insulated				20.0	1.60		32.0
Base Total: 60.0 196.0				As-Built Total: 60.0 196.0							
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points							
Under Attic	1863.0	1.73	3223.0	Under Attic			30.0	1863.0	1.73 X 1.00		3223.0
Base Total: 1863.0 3223.0				As-Built Total: 1863.0 3223.0							
FLOOR TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Slab	202.0(p)	-37.0	-7474.0	Slab-On-Grade Edge Insulation			0.0	202.0(p)	-41.20		-8322.4
Raised	0.0	0.00	0.0								
Base Total: -7474.0				As-Built Total: 202.0 -8322.4							
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
	1863.0	10.21	19021.2					1863.0	10.21		19021.2

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

ADDRESS: Lot: 6, Sub: Rolling Meadow, Plat: , , FL,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 24326.4				Summer As-Built Points: 23162.8						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
24326.4	0.4266		10377.6	(sys 1: Central Unit 40000 btuh ,SEER/EFF(10.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 23163	1.00	(1.09 x 1.147 x 0.91)	0.341	1.000		8994.1
				23162.8	1.00	1.138	0.341	1.000		8994.1

PERMIT #:

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Rolling Meadow, Plat: , , FL,	PERMIT #:
---	-----------

BASE				AS-BUILT						
Winter Base Points: 15031.7				Winter As-Built Points: 19063.3						
Total Winter Points	X System Multiplier	=	Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.069 x 1.169 x 0.93)	X System Multiplier 0.487	X Credit Multiplier 1.000	=	Heating Points 10792.7
15031.7	0.6274		9430.9	(sys 1: Electric Heat Pump 40000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0 19063.3	1.000					
				19063.3	1.00	1.162	0.487	1.000		10792.7

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

ADDRESS: Lot: 6, Sub: Rolling Meadow, Plat: , , FL,

PERMIT #:

BASE					AS-BUILT					
WATER HEATING										
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
4		2635.00		10540.0	40.0	0.93	4		1.00	2606.67
					As-Built Total:					10426.7

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
10378		9431		10540 30349	8994		10793		10427 30213

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 6, Sub: Rolling Meadow, Plat: , , FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 82.8

The higher the score, the more efficient the home.

Spec House Lani III, Lot: 6, Sub: Rolling Meadow, Plat: , , FL,

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 40.0 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)	1863 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area	___	a. Electric Heat Pump	Cap: 40.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 270.1 ft ²	___		HSPF: 7.00
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 270.1 ft ²	___	c. N/A	___
8. Floor types		___		___
a. Slab-On-Grade Edge Insulation	R=0.0, 202.0(p) ft	___	14. Hot water systems	
b. N/A	___	___	a. Electric Resistance	Cap: 40.0 gallons
c. N/A	___	___		EF: 0.93
9. Wall types		___	b. N/A	___
a. Frame, Wood, Exterior	R=13.0, 1376.9 ft ²	___	c. Conservation credits	___
b. Frame, Wood, Exterior	R=13.0, 176.0 ft ²	___	(HR-Heat recovery, Solar	___
c. N/A	___	___	DHP-Dedicated heat pump)	___
d. N/A	___	___	15. HVAC credits	___
e. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	___
10. Ceiling types		___	HF-Whole house fan,	___
a. Under Attic	R=30.0, 1863.0 ft ²	___	PT-Programmable Thermostat,	___
b. N/A	___	___	MZ-C-Multizone cooling,	___
c. N/A	___	___	MZ-H-Multizone heating)	___
11. Ducts		___		___
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 175.0 ft	___		___
b. N/A	___	___		___

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

Builder Signature: _____ Date: _____

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



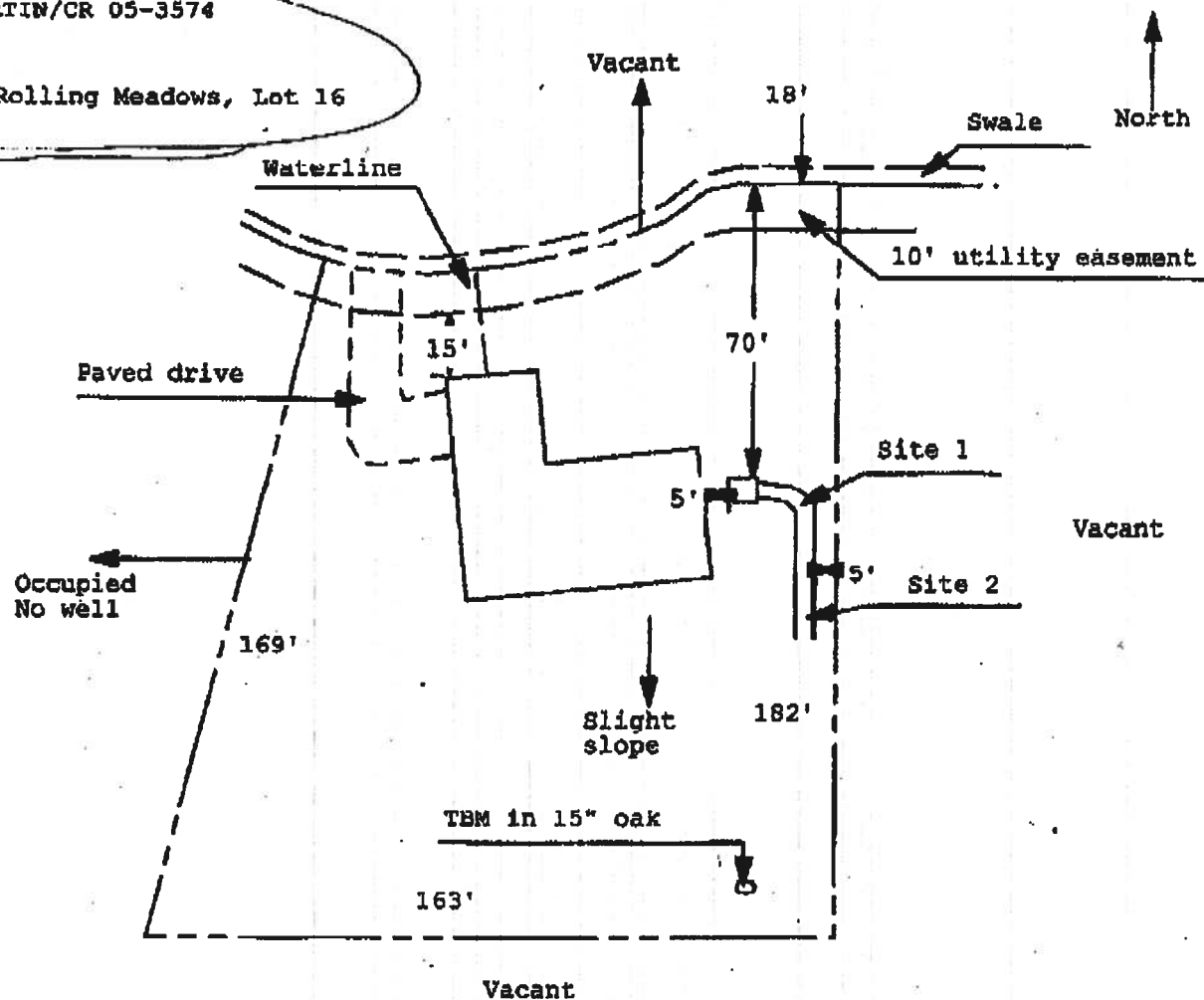
**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if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

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 06-0566N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

MARTIN/CR 05-3574

Rolling Meadows, Lot 16

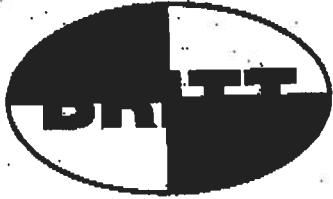


1 inch = 40 feet

Site Plan Submitted By Paul [Signature] Date 6/14/06
Plan Approved ☒ Not Approved ☐ Date
By S. Shaddy, ES II CPHU

Notes: 6.20.06

Columbia CHD

**BRITT SURVEYING**

830 West Duval Street • Lake City, FL 32055
Phone (386) 752-7183 • Fax (386) 752-5573

Land Surveyors
and Mappers

08/18/06

L-17676

To Whom It May Concern:

C/o: Ben Martin

Re: Lot 16 Rolling Meadows

The elevation of the slab is found to be 109.05 feet. The minimum finished floor elevation is 107.00 feet according to the plat of record. The highest adjacent grade is 108.31 feet and the lowest adjacent grade is 107.35 feet. The elevations shown hereon are based on NGVD 29 datum.

L. Scott Britt
PLS #5757

24661
Floor Height
Letter

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000001127**

DATE 06/23/2006 PARCEL ID # 15-4S-16-03023-516

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024

OWNER MARTIN HOME BUILDERS PHONE 397-4534

ADDRESS 453 SW MORNING GLORY DRIVE LAKE CITY FL 32024

CONTRACTOR BEN MARTIN PHONE 397-4534

LOCATION OF PROPERTY 90W, TL ON SISTERS WELCOME RD, TR ON HOPE HENRY, TR ON

MORNING GLORY DR, 1ST LOT ON LEFT OF CUL-DE-SAC

SUBDIVISION/LOT/BLOCK/PHASE/UNIT ROLLING MEADOWS 16

SIGNATURE



INSTALLATION REQUIREMENTS

☒ X

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 INSTALATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21

Lake City, FL 32055

Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00



Project Information for:

Builder:

L165832

Date:

6/7/2006

Lot:

BEN MARTIN

Start Number:

1402

Subdivision:

N/A

County or City:

COLUMBIA COUNTY

Truss Page Count:

40

Truss Design Load Information (UNO)

Design Program: MiTek 5.2 / 6.2

Gravity

Wind

Building Code:

FBC2004

Roof (psf): 42

Wind Standard:

ASCE 7-02

Floor (psf): 55

Wind Speed (mph):

110

Note: See individual truss drawings for special loading conditions

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

MARTIN, BENNETT G CBC059077

Address:

PO BOX 1831

LAKE CITY, FLORIDA 32056

Designer:

88

Truss Design Engineer: Thomas, E. Miller, P.E., 56877 - Byron K. Anderson, PE FL 60987

Company:

Structural Engineering and Inspections, Inc. EB 9196

Address

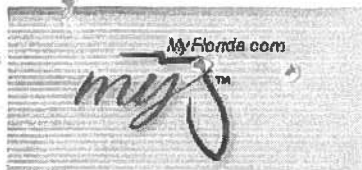
16105 N. Florida Ave, Ste B, Lutz, FL 33549

Notes:

1. Truss Design Engineer is responsible for the individual trusses as components only.
2. Determination as to the suitability and use of these truss components for the structure is the responsibility of the Building Designer of Record, as defined in ANSI/TP1
3. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
4. Trusses designed for vertical loads only, unless noted otherwise.

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	0607061402	6/7/2006				
2	CJ3	0607061403	6/7/2006				
3	CJ5	0607061404	6/7/2006				
4	EJ7	0607061405	6/7/2006				
5	EJ7A	0607061406	6/7/2006				
6	EJ7B	0607061407	6/7/2006				
7	EJ7G	0607061408	6/7/2006				
8	HJ9	0607061409	6/7/2006				
9	HJ10	0607061410	6/7/2006				
10	PB01	0607061411	6/7/2006				
11	PB02	0607061412	6/7/2006				
12	PB03	0607061413	6/7/2006				
13	PB04	0607061414	6/7/2006				
14	PB05	0607061415	6/7/2006				
15	PB06	0607061416	6/7/2006				
16	T01G	0607061417	6/7/2006				
17	T02G	0607061418	6/7/2006				
18	T03	0607061419	6/7/2006				
19	T05	0607061420	6/7/2006				
20	T06	0607061421	6/7/2006				
21	T07	0607061422	6/7/2006				
22	T08	0607061423	6/7/2006				
23	T09	0607061424	6/7/2006				
24	T10	0607061425	6/7/2006				
25	T11	0607061426	6/7/2006				
26	T12	0607061427	6/7/2006				
27	T13	0607061428	6/7/2006				
28	T14	0607061429	6/7/2006				
29	T15	0607061430	6/7/2006				
30	T16	0607061431	6/7/2006				
31	T17	0607061432	6/7/2006				
32	T18	0607061433	6/7/2006				
33	T19	0607061434	6/7/2006				
34	T20	0607061435	6/7/2006				
35	T21	0607061436	6/7/2006				
36	T22	0607061437	6/7/2006				
37	T22A	0607061438	6/7/2006				
38	T22G	0607061439	6/7/2006				
39	T23	0607061440	6/7/2006				
40	T24	0607061441	6/7/2006				

JUN 07 2006



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Licensee Details

Licensee Information

Name: **MARTIN, BENNETT G (Primary Name)**
MARTIN HOME BUILDERS INC (DBA Name)
Main Address: **PO BOX 1831**
LAKE CITY Florida 32056
County: **COLUMBIA**

License Mailing:

LicenseLocation: **RT 9 BOX 1051**
LAKE CITY FL 32024
County: **COLUMBIA**

License Information

License Type: **Certified Building Contractor**
Rank: **Cert Building**
License Number: **CBC059077**
Status: **Current,Active**
Licensure Date: **08/03/1999**
Expires: **08/31/2006**

Special Qualifications Qualification Effective

**Bldg Code Core Course
Credit**

Qualified Business License Required **02/20/2004**

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Job L165832	Truss CJ1	Truss Type JACK	Qty 6	Ply 1	MARTIN SPEC HOUSE LANI II Job Reference (optional)
Builders FirstSource, Lake City, Fl 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 23 14:34:02 2006 Page 1		

Scale = 1:9.2

Plate Offsets (X,Y): [2-0-3-9,0-1-8]					
LOADING (psf)	SPACING 2-0-0	CSI	DEFL		PLATES GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.29	in (loc) l/defl L/d		MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.01	Vert(LL) -0.00 2 >999 240		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Vert(TL) -0.00 2 >999 180		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.00 3 n/a n/a		
Weight: 7 lb					

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

REACTIONS (lb/size) 2=266/0-3-8, 4=14/Mechanical, 3=90/Mechanical
 Max Horz 2=116(load case 5)
 Max Uplift 2=293(load case 5), 3=90(load case 1)
 Max Grav 2=266(load case 1), 4=14(load case 1), 3=146(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/59, 2-3=84/101
 BOT CHORD 2-4=0/0

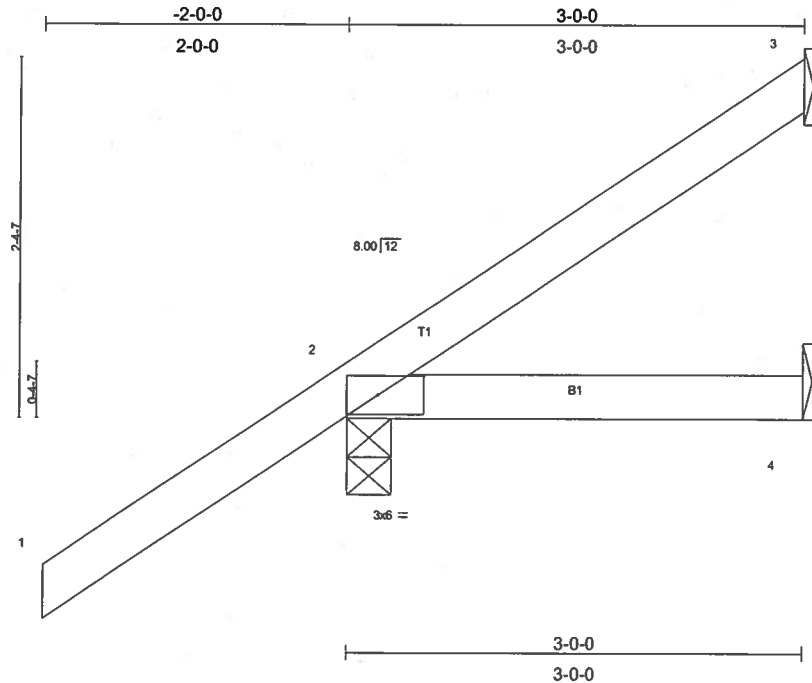
NOTES
 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 2) Refer to girder(s) for truss to truss connections.
 3) All bearings are assumed to be SYP No.2
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 293 lb uplift at joint 2 and 90 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L165832	Truss CJ3	Truss Type JACK	Qty 6	Ply 1	MARTIN SPEC HOUSE LANI II
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Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 23 14:34:04 2006 Page 1



Scale = 1:14.4

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

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.30	In (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.06	Vert(LL) -0.00 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 YES	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2004/TP12002				
				Weight: 14 lb	

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

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

REACTIONS (lb/size) 3=31/Mechanical, 2=278/0-3-8, 4=42/Mechanical
 Max Horz 2=175(load case 5)
 Max Uplift 3=35(load case 6), 2=-197(load case 5)
 Max Grav 3=33(load case 3), 2=278(load case 1), 4=42(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/59, 2-3=-70/18
 BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) All bearings are assumed to be SYP No.2
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 3 and 197 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L165832	Truss CJ5	Truss Type JACK	Qty 6	Ply 1	MARTIN SPEC HOUSE LANI II
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Builders FirstSource, Lake City, FL 32055

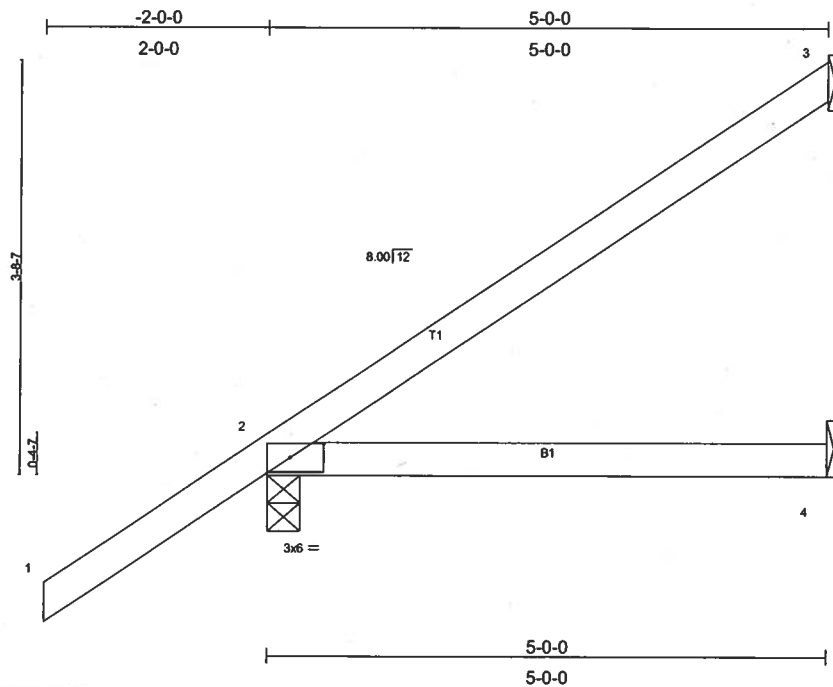
Job Reference (optional)
6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 23 14:34:05 2006 Page 1

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.30	Vert(LL)	-0.03	2-4	>999	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.16	Vert(TL)	-0.05	2-4	>999	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 20 lb	

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

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

REACTIONS (lb/size) 3=103/Mechanical, 2=343/0-3-8, 4=72/Mechanical
 Max Horz 2=237(load case 5)
 Max Uplift 3=-106(load case 5), 2=-181(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/59, 2-3=-90/44
 BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) All bearings are assumed to be SYP No.2
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 106 lb uplift at joint 3 and 181 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L165832	Truss EJ7	Truss Type MONO TRUSS	Qty 27	Ply 1	MARTIN SPEC HOUSE LANI II
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Builders FirstSource, Lake City, FL 32055

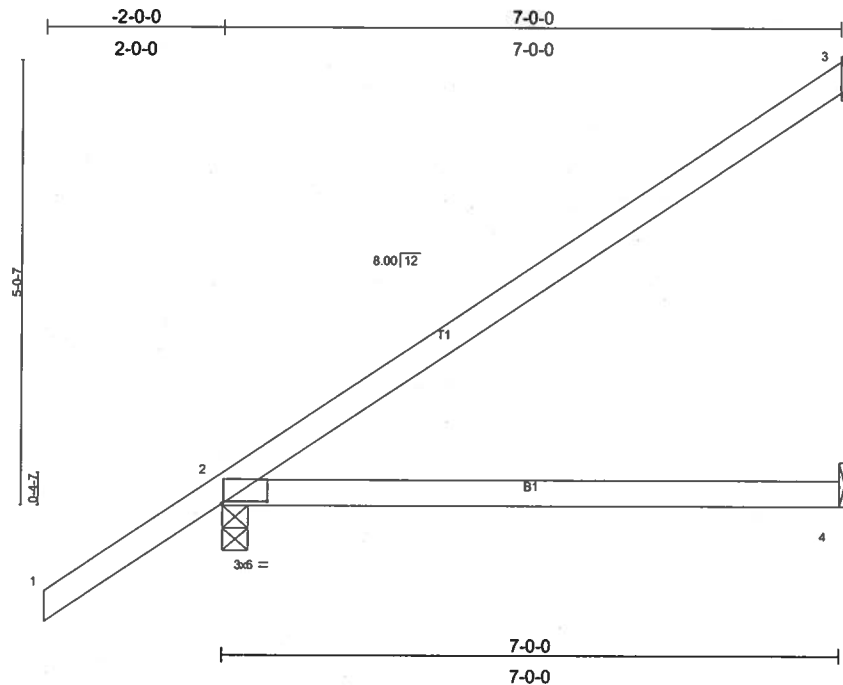
Job Reference (optional)
6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 23 14:34:06 2006 Page 1

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.44	Vert(LL)	-0.13	2-4	>649	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.35	Vert(TL)	-0.21	2-4	>389	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 27 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.

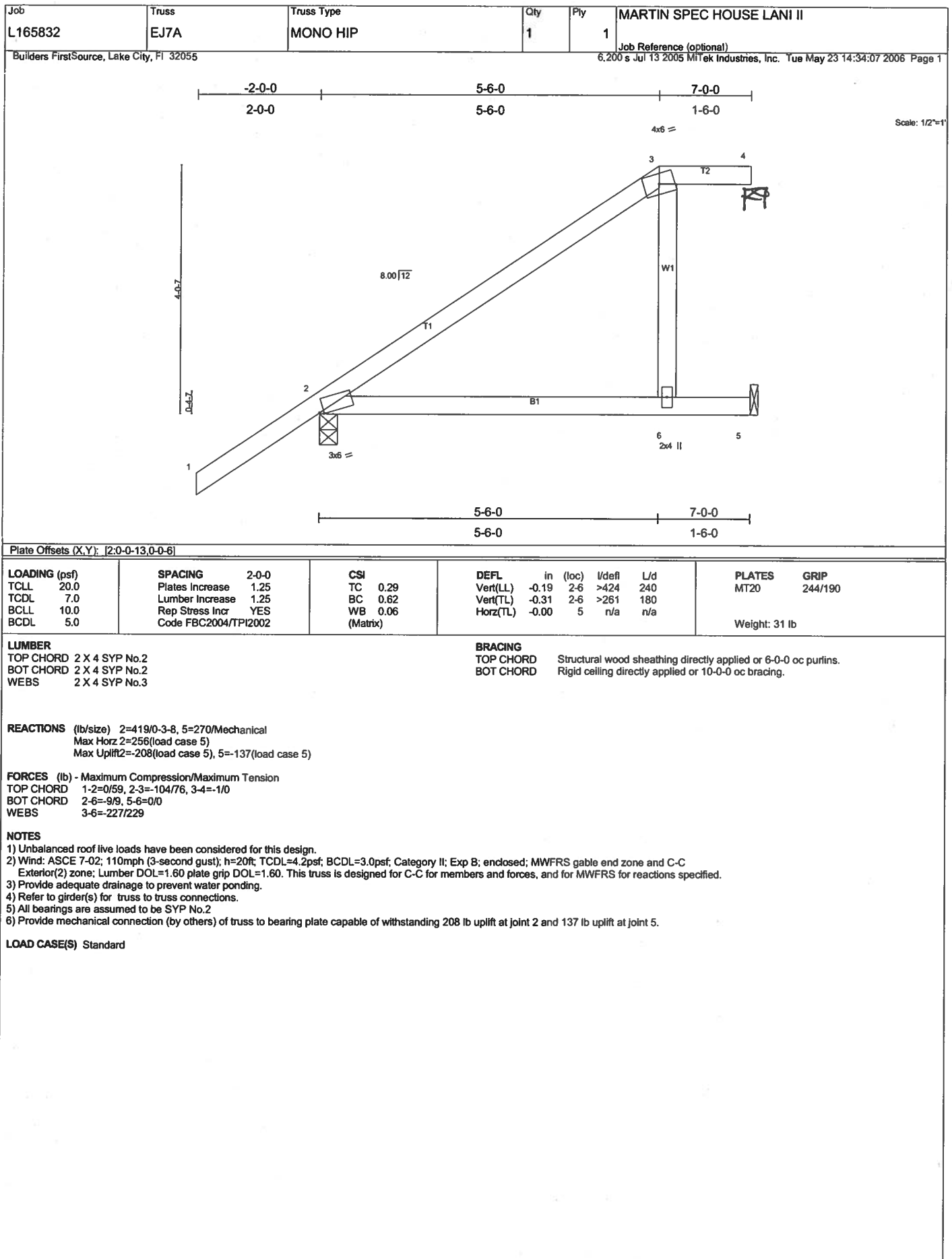
REACTIONS (lb/size) 3=161/Mechanical, 2=419/0-3-8, 4=105/Mechanical
Max Horz 2=298(load case 5)
Max Uplift 3=160(load case 5), 2=-181(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-130/71
BOT CHORD 2-4=0/0

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 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) All bearings are assumed to be SYP No.2
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint 3 and 181 lb uplift at joint 2.

LOAD CASE(S) Standard



Job L165832	Truss EJ7B	Truss Type MONO HIP	Qty 1	Ply 1	MARTIN SPEC HOUSE LANI II
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MITek Industries, Inc. Tue May 23 14:34:08 2006 Page 1		

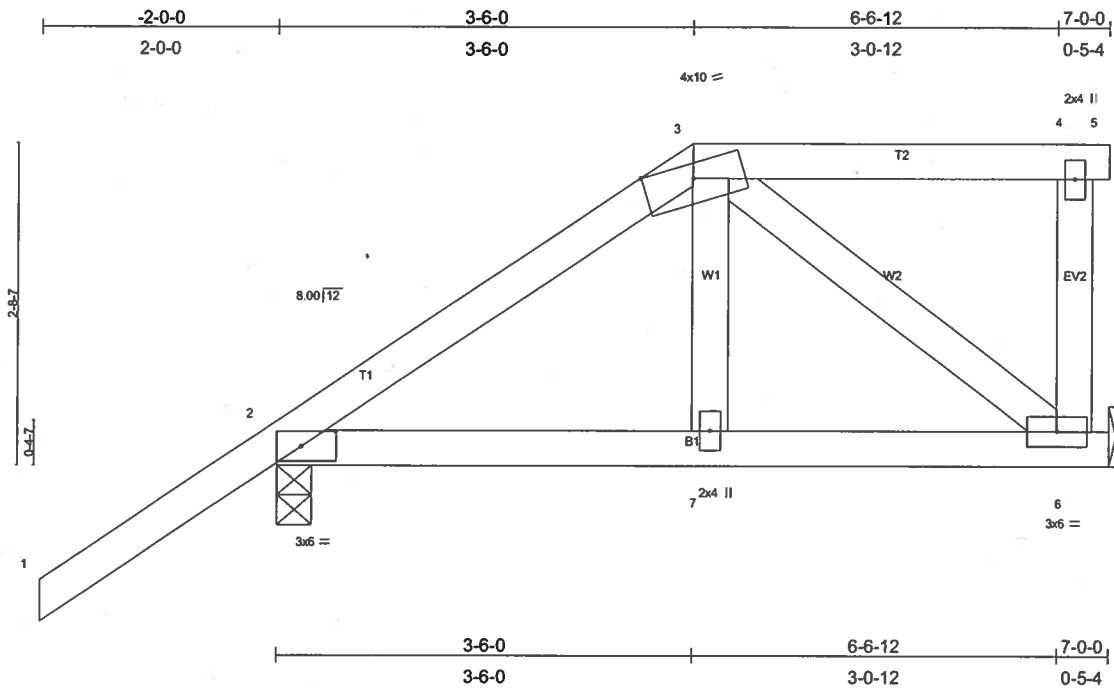


Plate Offsets (X,Y): (2:0-3-9,0-1-8)

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.11	Vert(LL) -0.01 2-7 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.06	Vert(TL) -0.01 2-7 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 6 n/a n/a		
	Code FBC2004/TPI2002			Weight: 37 lb	

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

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

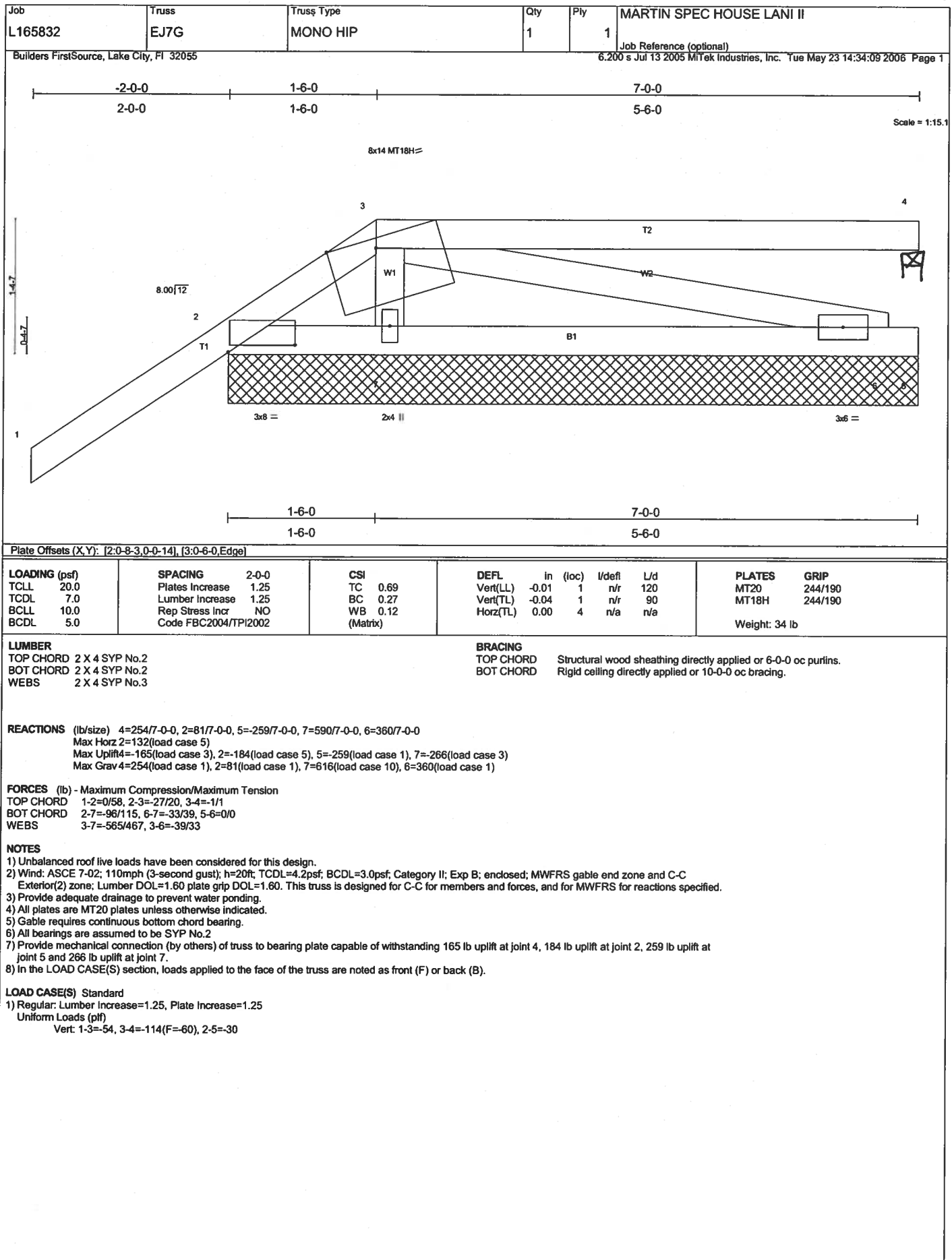
REACTIONS (lb/size) 6=261/Mechanical, 2=410/0-3-8
 Max Horz 2=194(load case 5)
 Max Uplift 6=-102(load case 4), 2=-221(load case 5)

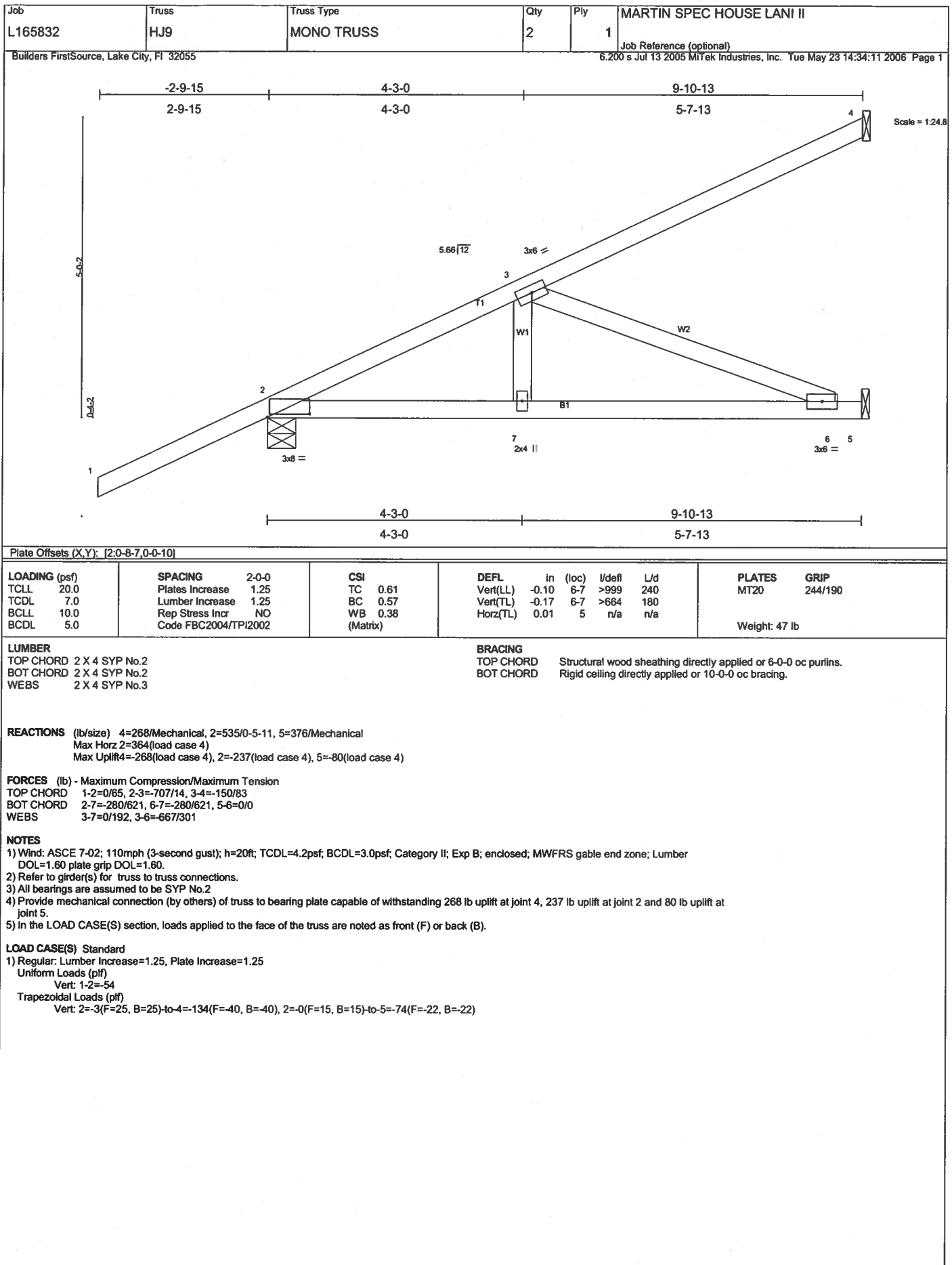
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/59, 2-3=-284/62, 3-4=-24/19, 4-5=0/0, 4-6=-87/90
 BOT CHORD 2-7=-91/185, 6-7=-87/190
 WEBS 3-7=0/84, 3-6=-208/85

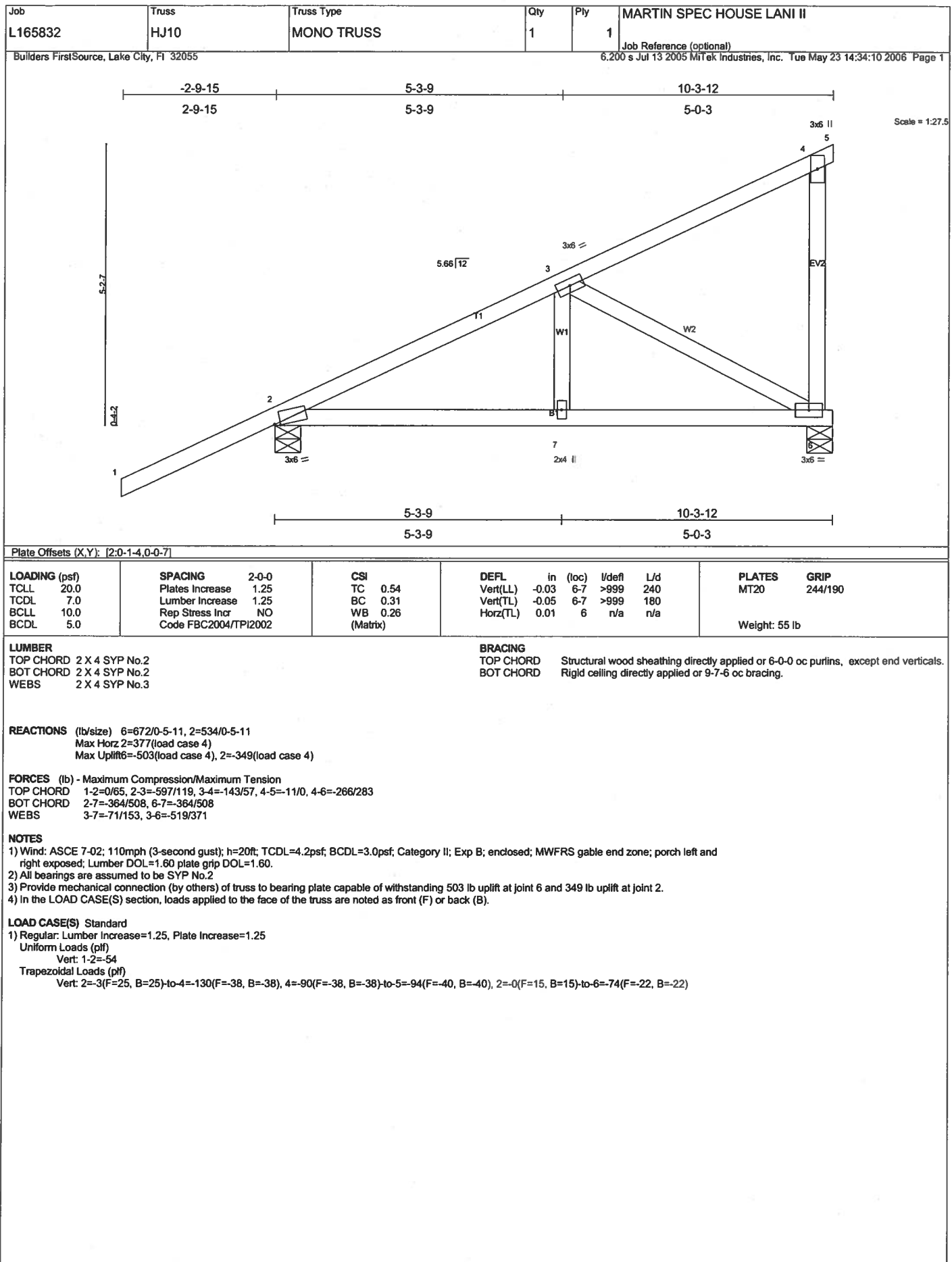
NOTES

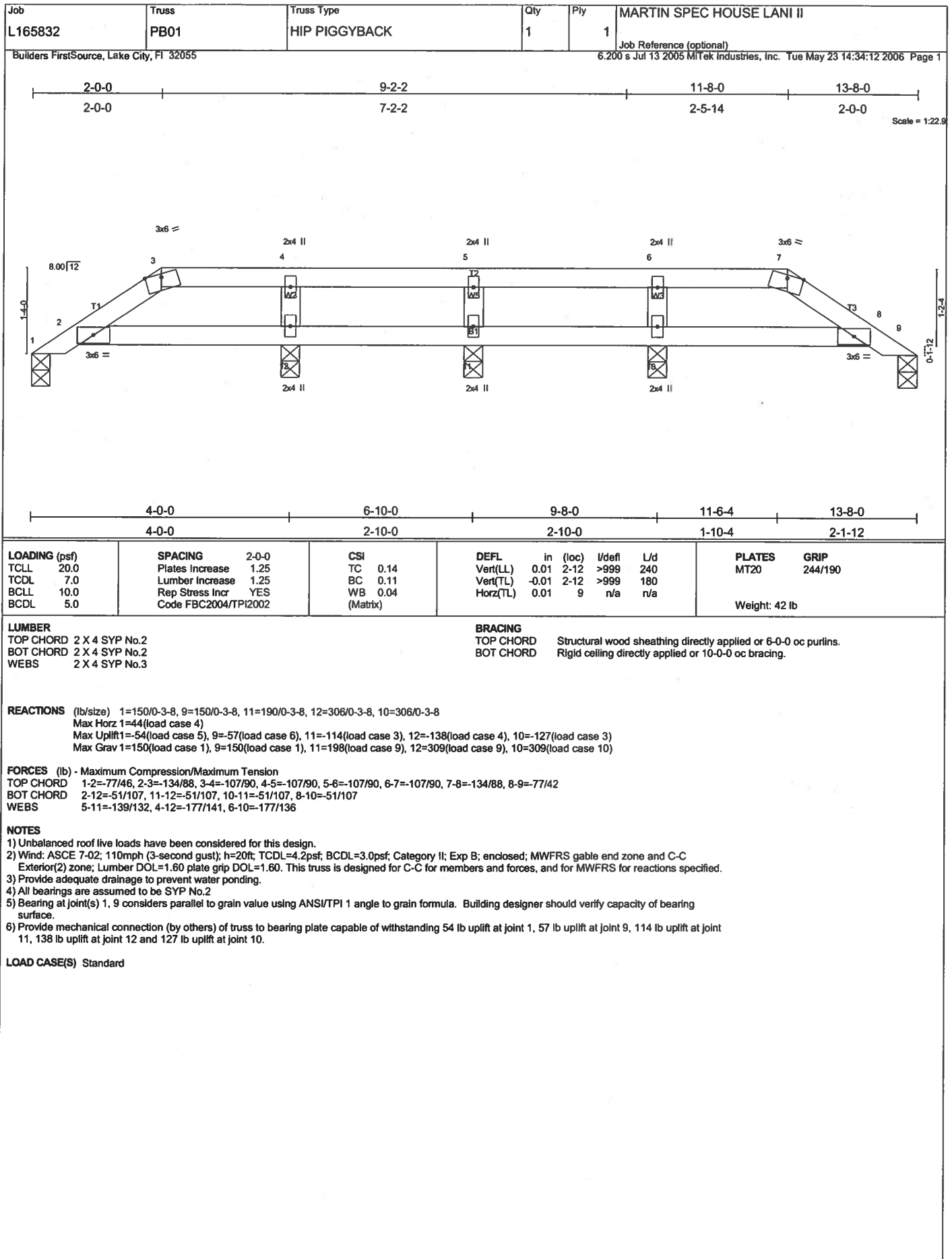
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide adequate drainage to prevent water ponding.
- 3) Refer to girder(s) for truss to truss connections.
- 4) All bearings are assumed to be SYP No.2
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 102 lb uplift at joint 6 and 221 lb uplift at joint 2.

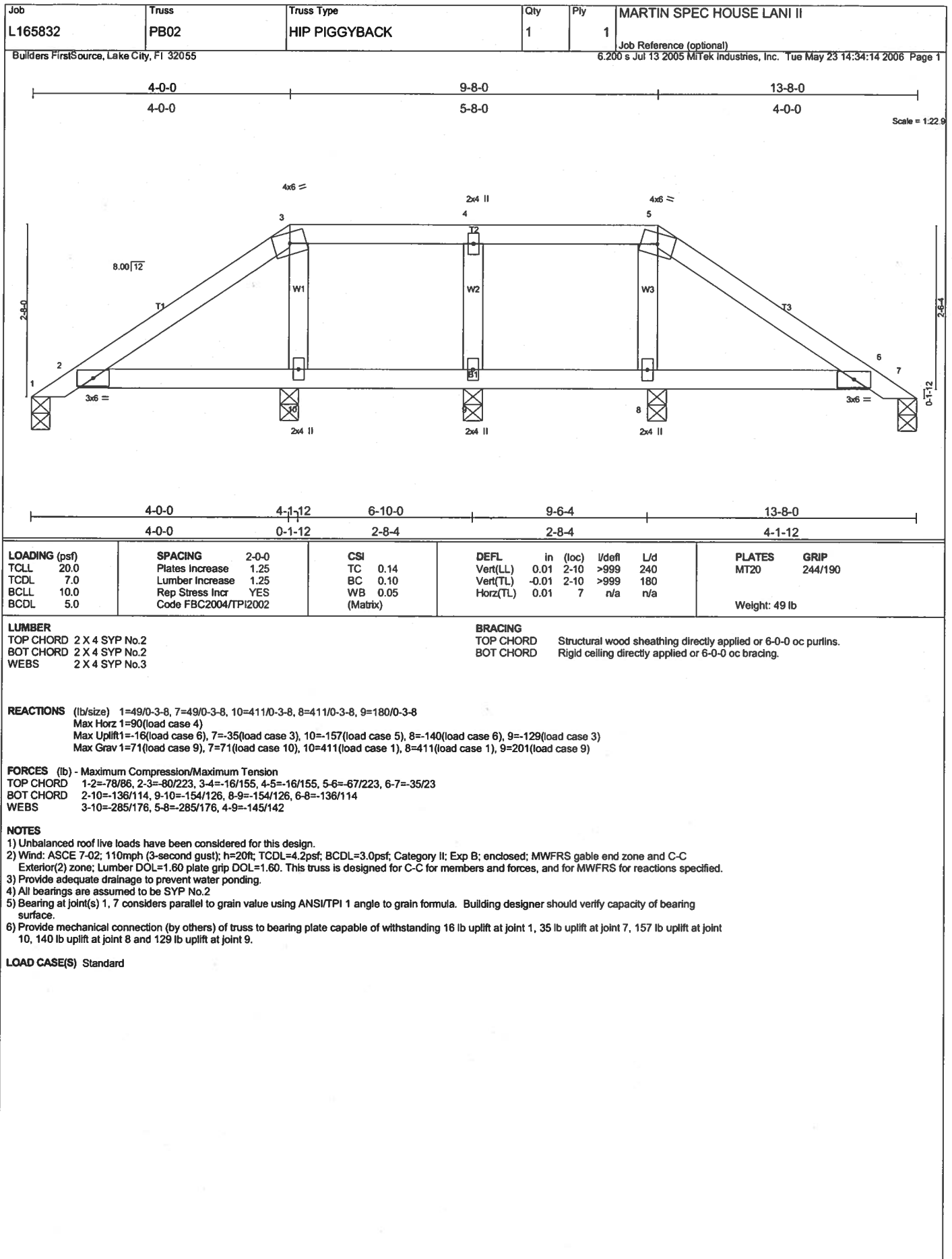
LOAD CASE(S) Standard





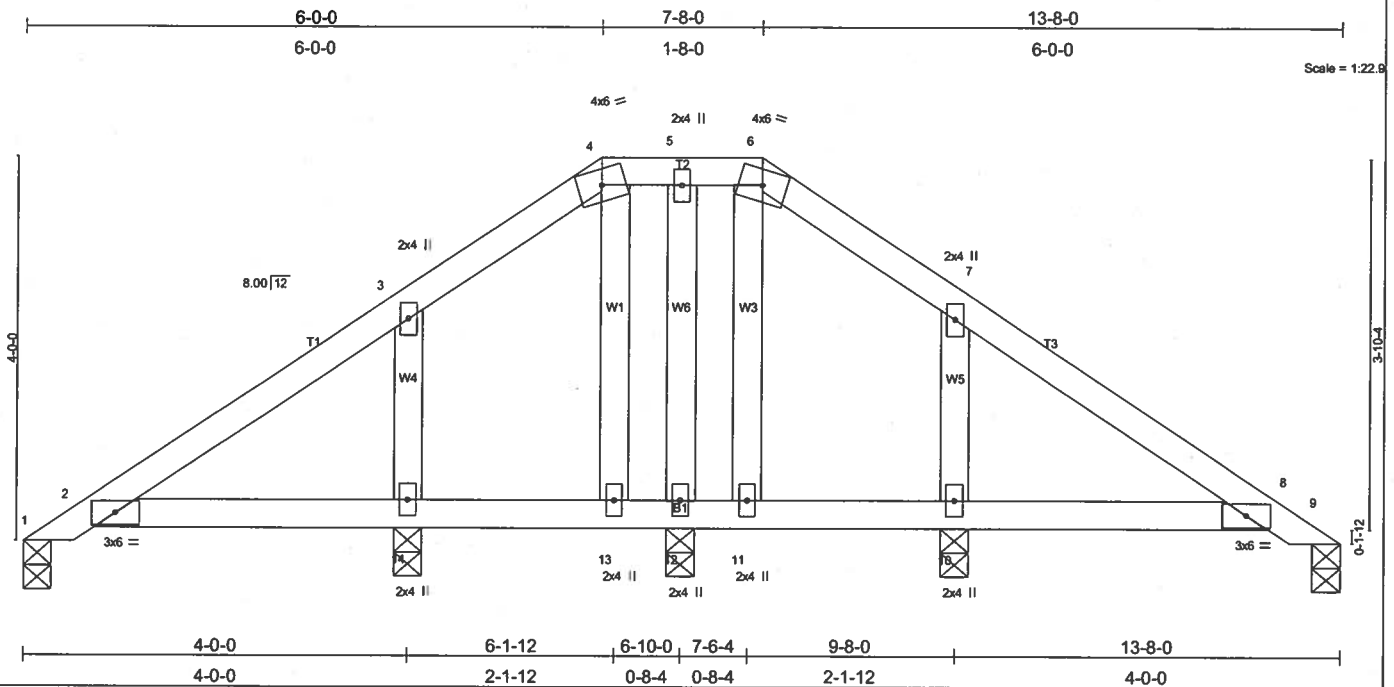






Job L165832	Truss PB03	Truss Type HIP PIGGYBACK	Qty 1	Ply 1	MARTIN SPEC HOUSE LANI II
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Builders FirstSource, Lake City, FL 32055

Job Reference (optional)
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LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.12	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.11	Vert(LL) 0.01 2-14 >999 240		
BCCL 10.0	Lumber Increase 1.25	WB 0.05	Vert(TL) -0.01 2-14 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.01 9 n/a n/a		
	Code FBC2004/TPI2002			Weight: 62 lb	

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

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

REACTIONS (lb/size) 1=56/0-3-8, 9=56/0-3-8, 14=329/0-3-8, 10=329/0-3-8, 12=331/0-3-8
 Max Horz 1=136(load case 4)
 Max Uplift 1=30(load case 3), 9=19(load case 3), 14=189(load case 5), 10=182(load case 6), 12=70(load case 4)
 Max Grav 1=73(load case 9), 9=73(load case 10), 14=333(load case 9), 10=333(load case 10), 12=331(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-135/137, 2-3=-113/202, 3-4=-23/149, 4-5=-4/123, 5-6=-4/123, 6-7=-10/149, 7-8=-87/202, 8-9=-36/15
 BOT CHORD 2-14=-119/132, 13-14=-119/132, 12-13=-122/133, 11-12=-122/133, 10-11=-119/132, 8-10=-119/132
 WEBS 4-13=-80/37, 6-11=-80/30, 3-14=-194/183, 7-10=-194/179, 5-12=-130/45

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone 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.
- All bearings are assumed to be SYP No.2
- Bearing at joint(s) 1, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 1, 19 lb uplift at joint 9, 189 lb uplift at joint 14, 182 lb uplift at joint 10 and 70 lb uplift at joint 12.

LOAD CASE(S) Standard

Job L165832	Truss PB04	Truss Type HIP PIGGYBACK	Qty 1	Ply 1	MARTIN SPEC HOUSE LANI II Job Reference (optional)
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Builders FirstSource, Lake City, FL 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 23 14:34:16 2006 Page 1

LOADING (psf) TCDL 20.0 TCDL 7.0 BCDL 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 0.13 BC 0.11 WB 0.04 (Matrix)	DEFL in (loc) l/defl L/d Vert(LL) 0.01 2-12 >999 240 Vert(TL) -0.02 2-12 >999 180 Horz(TL) 0.01 9 n/a n/a	PLATES GRIP MT20 244/190 Weight: 46 lb
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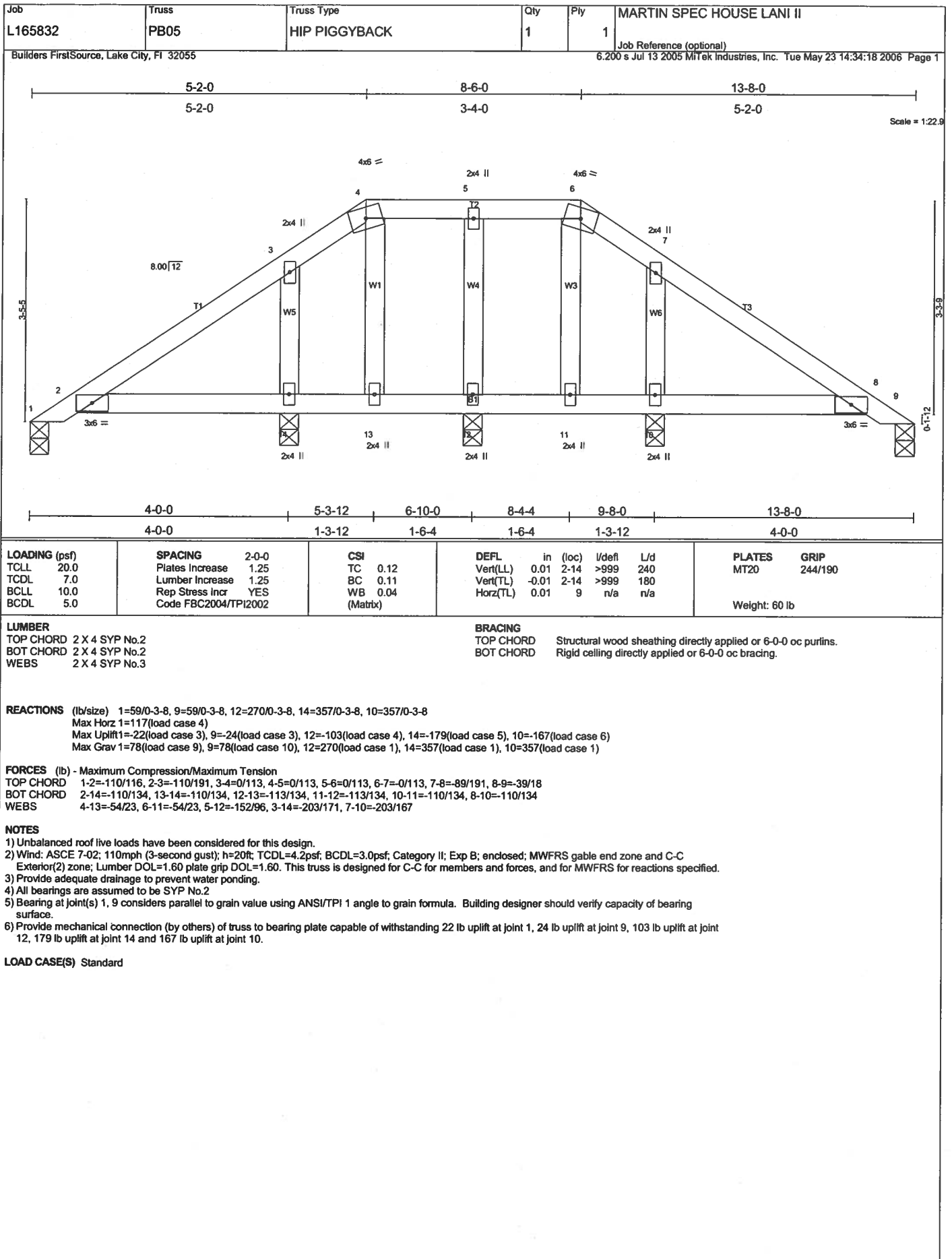
LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 WEBS 2 X 4 SYP No.3	BRACING TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
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REACTIONS (lb/size) 1=117/0-3-8, 9=117/0-3-8, 12=351/0-3-8, 10=351/0-3-8, 11=165/0-3-8
 Max Horz 1=71(load case 4)
 Max Uplift 1=49(load case 5), 9=57(load case 6), 12=140(load case 4), 10=113(load case 3), 11=130(load case 3)
 Max Grav 1=117(load case 1), 9=117(load case 1), 12=351(load case 1), 10=351(load case 1), 11=188(load case 9)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-59/62, 2-3=-30/44, 3-4=0/60, 4-5=0/60, 5-6=0/60, 6-7=0/60, 7-8=-22/44, 8-9=-59/35
 BOT CHORD 2-12=-12/36, 11-12=-12/36, 10-11=-12/36, 8-10=-12/36
 WEBS 4-12=-212/143, 6-10=-212/139, 5-11=-129/144

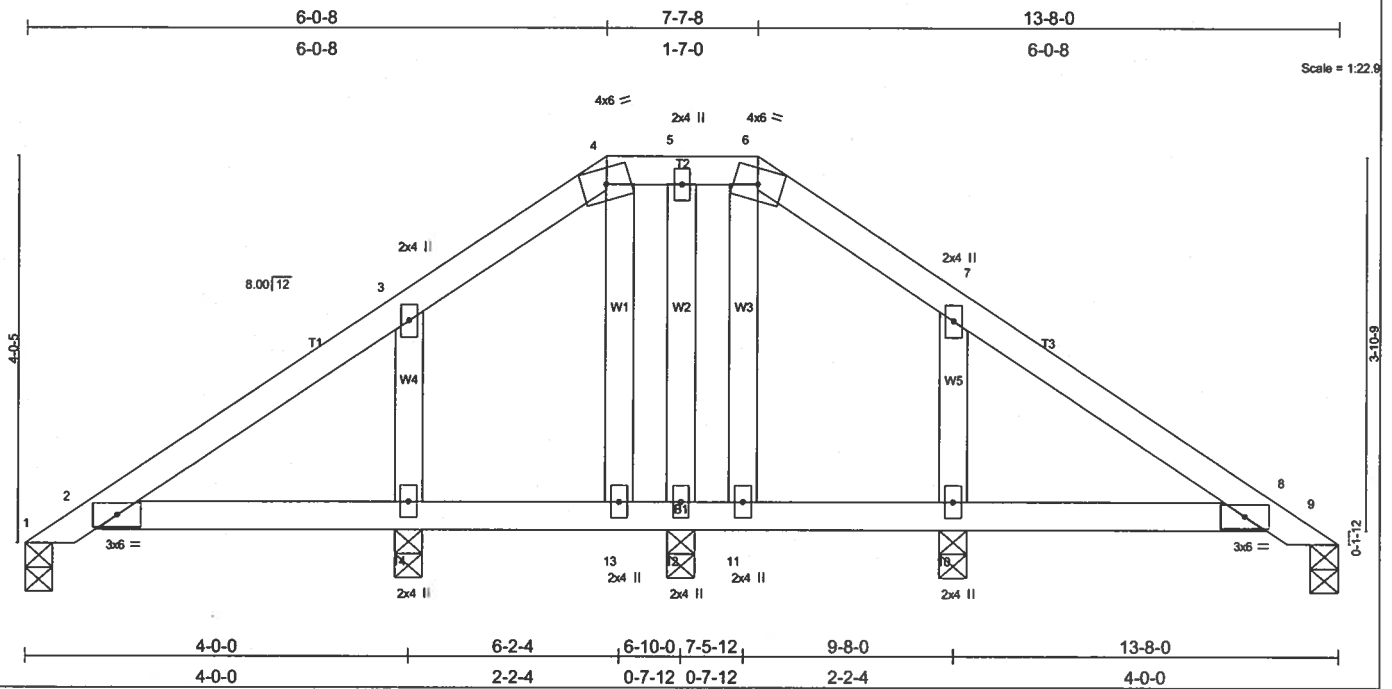
NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Provide adequate drainage to prevent water ponding.
 4) All bearings are assumed to be SYP No.2
 5) Bearing at joint(s) 1, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 49 lb uplift at joint 1, 57 lb uplift at joint 9, 140 lb uplift at joint 12, 113 lb uplift at joint 10 and 130 lb uplift at joint 11.

LOAD CASE(S) Standard



Job L165832	Truss PB06	Truss Type HIP PIGGYBACK	Qty 1	Ply 1	MARTIN SPEC HOUSE LANI II
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mitek Industries, Inc. Tue May 23 14:34:19 2006 Page 1		

Scale = 1:22.9



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.12	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.11	Vert(LL) 0.01 2-14 >999 240		
BCCL 10.0	Lumber Increase 1.25	WB 0.05	Vert(TL) -0.01 2-14 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.01 9 n/a n/a		
	Code FBC2004/TPI2002			Weight: 63 lb	

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

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

REACTIONS (lb/size) 1=55/0-3-8, 9=55/0-3-8, 12=335/0-3-8, 14=328/0-3-8, 10=328/0-3-8
 Max Horz 1=-137(load case 3)
 Max Uplift 1=-31(load case 3), 9=-19(load case 3), 12=-68(load case 4), 14=-190(load case 5), 10=-183(load case 6)
 Max Grav 1=72(load case 9), 9=72(load case 10), 12=335(load case 1), 14=333(load case 9), 10=333(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-136/138, 2-3=-113/203, 3-4=-24/151, 4-5=-4/125, 5-6=4/125, 6-7=-11/151, 7-8=-87/203, 8-9=-36/15
 BOT CHORD 2-14=-120/132, 13-14=-120/132, 12-13=-124/133, 11-12=-124/133, 10-11=-120/132, 8-10=-120/132
 WEBS 4-13=-83/38, 6-11=-83/31, 5-12=-127/42, 3-14=-194/183, 7-10=-194/180

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) All bearings are assumed to be SYP No.2
- 5) Bearing at joint(s) 1, 9 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 1, 19 lb uplift at joint 9, 68 lb uplift at joint 12, 190 lb uplift at joint 14 and 183 lb uplift at joint 10.

LOAD CASE(S) Standard

Job L165832	Truss T01G	Truss Type DROP TC GABLE	Qty 1	Ply 1	MARTIN SPEC HOUSE LANI II
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 23 14:34:20 2006 Page 1		

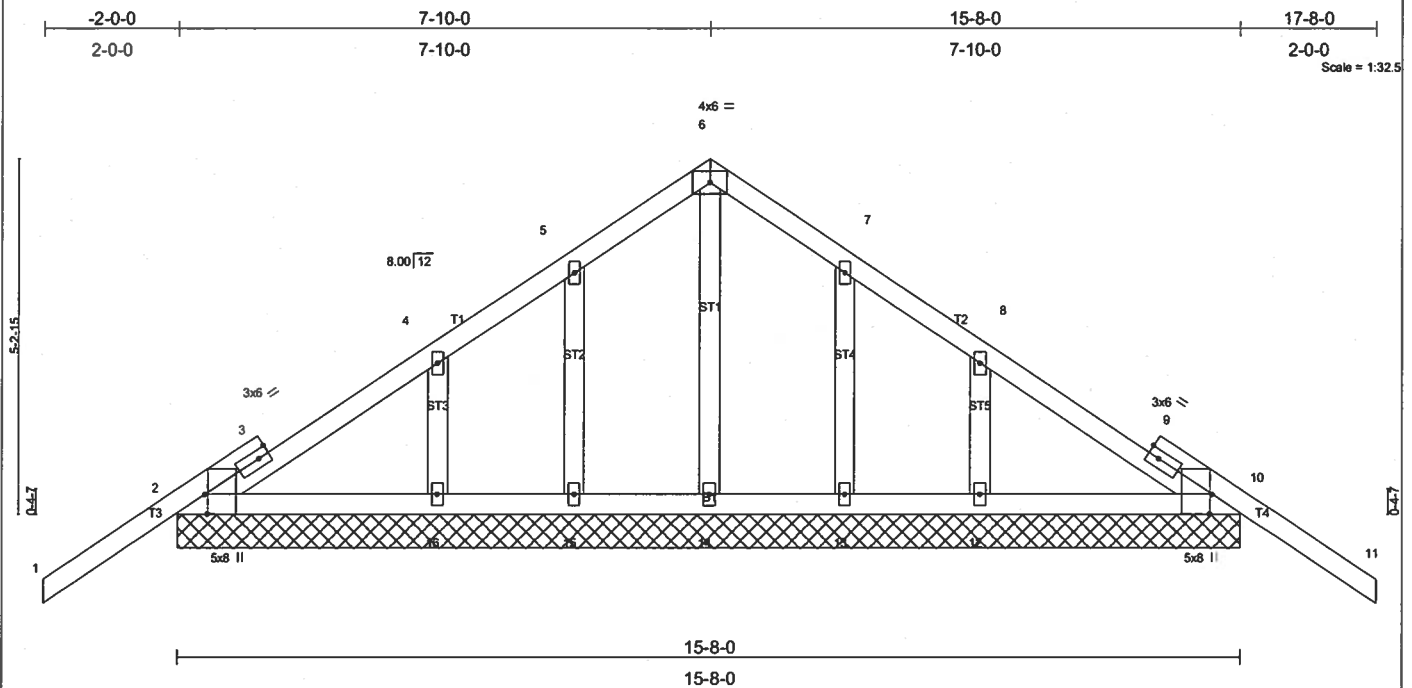


Plate Offsets (X,Y): [2-0-3-8,Edge], [10-0-3-8,Edge]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.50	Vert(LL)	-0.03	11	n/r	120	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.07	Vert(TL)	-0.05	11	n/r	90		
BCLL 10.0	Lumber Increase 1.25	WB 0.12	Horz(TL)	0.00	10	n/a	n/a		
BCDL 5.0	Rep Stress Incr NO	(Matrix)							
	Code FBC2004/TPI2002							Weight: 85 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 2=513/15-8-0, 10=513/15-8-0, 14=353/15-8-0, 15=234/15-8-0, 16=432/15-8-0, 13=234/15-8-0, 12=432/15-8-0

Max Horz 2=178(load case 4)

Max Uplift 2=272(load case 5), 10=292(load case 6), 15=145(load case 5), 16=163(load case 5), 13=141(load case 6), 12=169(load case 6)

Max Grav 2=515(load case 9), 10=515(load case 10), 14=353(load case 1), 15=238(load case 9), 16=432(load case 1), 13=238(load case 10), 12=432(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-15/123, 2-3=-103/117, 3-4=-104/141, 4-5=-43/115, 5-6=-27/167, 6-7=-27/167, 7-8=-43/106, 8-9=-45/141, 9-10=-70/58, 10-11=-15/123

BOT CHORD 2-16=-33/165, 15-16=-33/165, 14-15=-33/165, 13-14=-33/165, 12-13=-33/165, 10-12=-33/165

WEBS 6-14=-283/12, 5-15=-199/149, 4-16=-326/192, 7-13=-199/146, 8-12=-326/197

NOTES

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

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

Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"

4) All plates are 2x4 MT20 unless otherwise indicated.

5) Gable requires continuous bottom chord bearing.

6) Gable studs spaced at 2-0-0 oc.

7) All bearings are assumed to be SYP No.2

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 272 lb uplift at joint 2, 292 lb uplift at joint 10, 145 lb uplift at joint 15, 163 lb uplift at joint 16, 141 lb uplift at joint 13 and 169 lb uplift at joint 12.

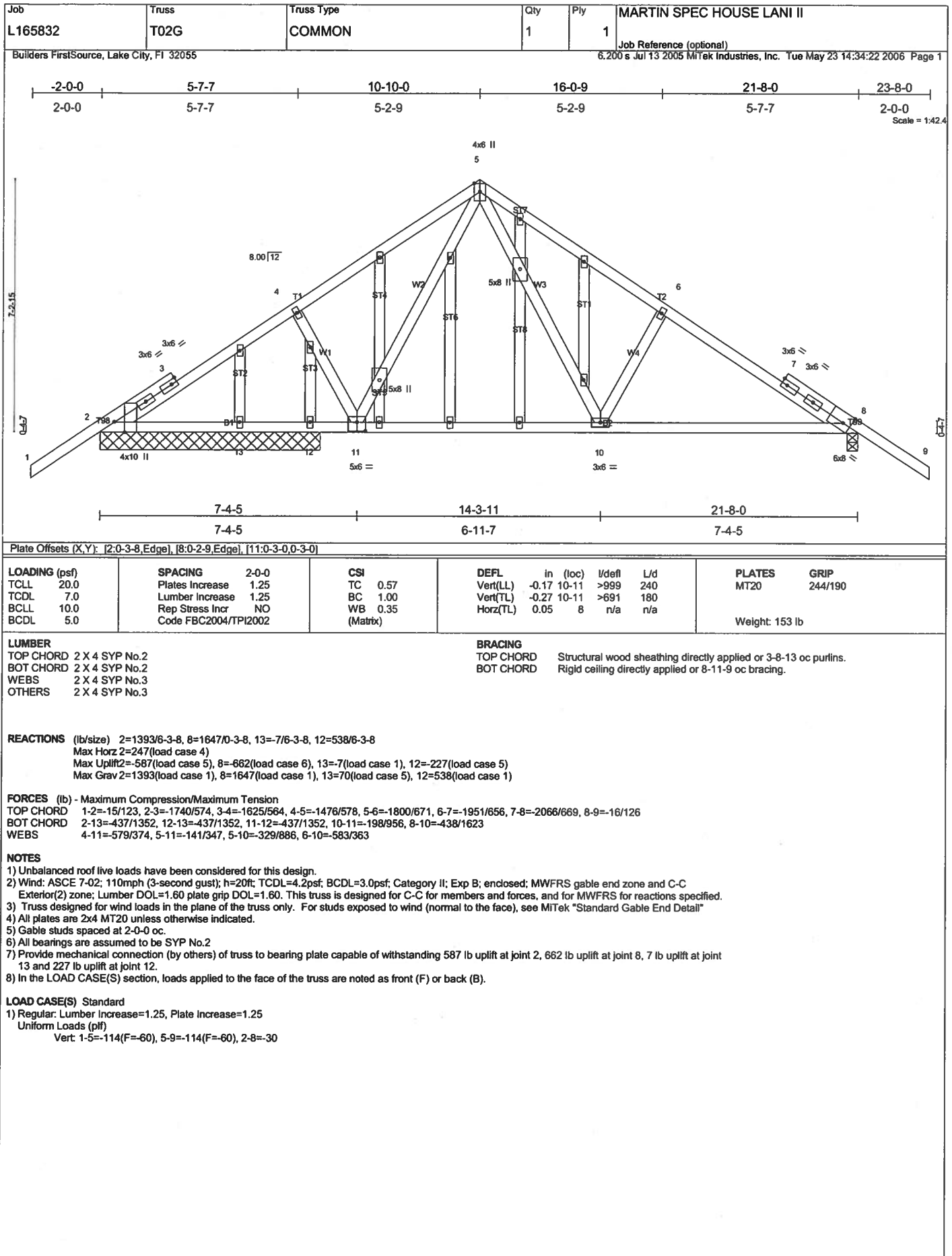
9) in the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert 1-6=-114(F=-60), 6-11=-114(F=-60), 2-10=-30



Job L165832	Truss T05	Truss Type MONO HIP	Qty 1	Ply 2	MARTIN SPEC HOUSE LANI II Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 23 14:34:24 2006 Page 1		

-2-0-0 5-6-0 11-4-14 17-3-13 23-2-11 29-1-10 35-4-0
 2-0-0 5-6-0 5-10-14 5-10-14 5-10-14 5-10-14 6-2-6

Scale: 3/16"=1'

5-6-0	12-10-10	20-3-4	27-7-14	35-4-0
5-6-0	7-4-10	7-4-10	7-4-10	7-8-2

Plate Offsets (X,Y): [2:0-2-14,0-2-0], [6:0-3-0,0-3-0], [11:0-3-0,0-3-4], [12:0-3-0,0-3-4]

LOADING (psf) TCDL 20.0 BCCL 10.0 BCDL 5.0	SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr NO Code FBC2004/TPI2002	CSI TC 0.66 BC 0.75 WB 0.99 (Matrix)	DEFL in (loc) l/defl L/d Vert(LL) -0.25 11-12 >999 240 Vert(TL) -0.41 11-12 >999 180 Horz(TL) 0.12 9 n/a n/a	PLATES MT20 GRIP 244/190 Weight: 406 lb
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LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-4-10 oc purlins, except end verticals.

BOT CHORD Rigid ceiling directly applied or 7-1-11 oc bracing.

REACTIONS (lb/size) 9=3202/0-3-8, 14=3331/0-3-8
 Max Horz 14=259(load case 4)
 Max Uplift 9=1982(load case 2), 14=1674(load case 4)

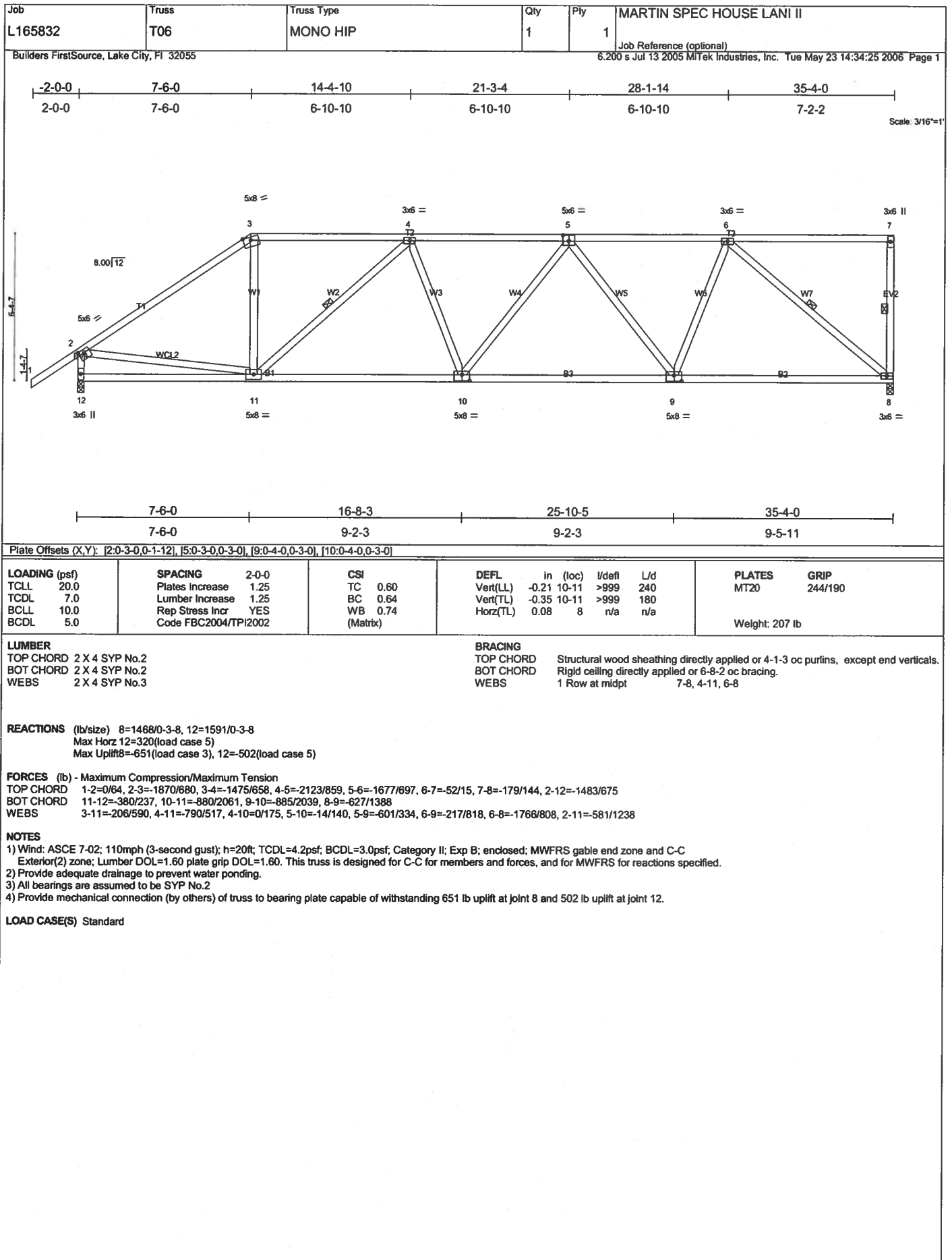
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/64, 2-3=-3893/2107, 3-4=-3225/1803, 4-5=-5511/3257, 5-6=-5794/3474, 6-7=-4044/2433, 7-8=-110/52, 8-9=-341/355, 2-14=-2969/1537
 BOT CHORD 13-14=-334/311, 12-13=-3156/5222, 11-12=-3666/5939, 10-11=-3336/5351, 9-10=-2169/3453
 WEBS 3-13=-829/1635, 4-13=-2587/1782, 4-12=-341/975, 5-12=-626/600, 5-11=-273/369, 6-11=-266/839, 6-10=-1915/1324, 7-10=-888/1985, 7-9=-4248/2690, 2-13=-1745/2925

NOTES

- 2-ply truss to be connected together with 0.131"x3" Nails as follows:
 Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCCL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- All bearings are assumed to be SYP No.2
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1982 lb uplift at joint 9 and 1674 lb uplift at joint 14.
- Girder carries tie-in span(s): 7-0-0 from 0-0-0 to 5-6-0
- Girder carries hip end with 0-0-0 right side setback, 5-6-0 left side setback, and 7-0-0 end setback.

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-54, 2-3=-54, 3-8=-118(F=-64), 13-14=-129(F=-99), 9-13=-65(F=-35)



Job: L165832 Truss: T07 Truss Type: HIP Qty: 1 Ply: 1 Job Reference (optional): MARTIN SPEC HOUSE LANI II

Builders FirstSource, Lake City, FL 32055 6,200 s Jul 13 2005 MITek Industries, Inc. Tue May 23 14:34:27 2006 Page 1

Scale: 3/16"=1'

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.70	in (loc) l/defl L/d	MT20	244/190
TCCL 7.0	Plates Increase 1.25	BC 0.71	Vert(LL) -0.26 10-11 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.55	Vert(TL) -0.44 10-11 >946 180		
BCCL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.08 9 n/a n/a		
	Code FBC2004/TPI2002				

Weight: 223 lb

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

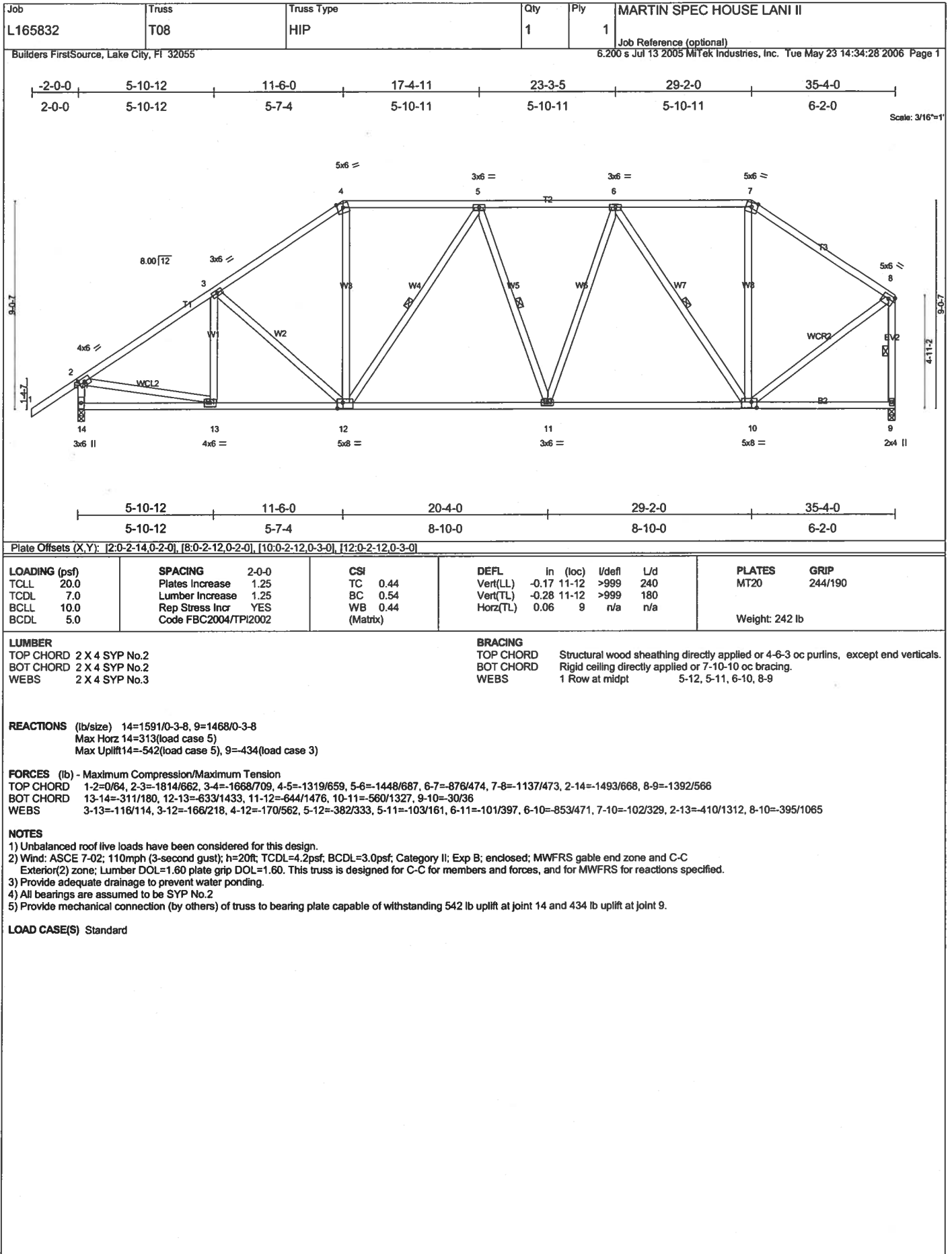
BRACING
TOP CHORD Structural wood sheathing directly applied or 4-5-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-13, 5-11, 6-10, 3-14, 8-9

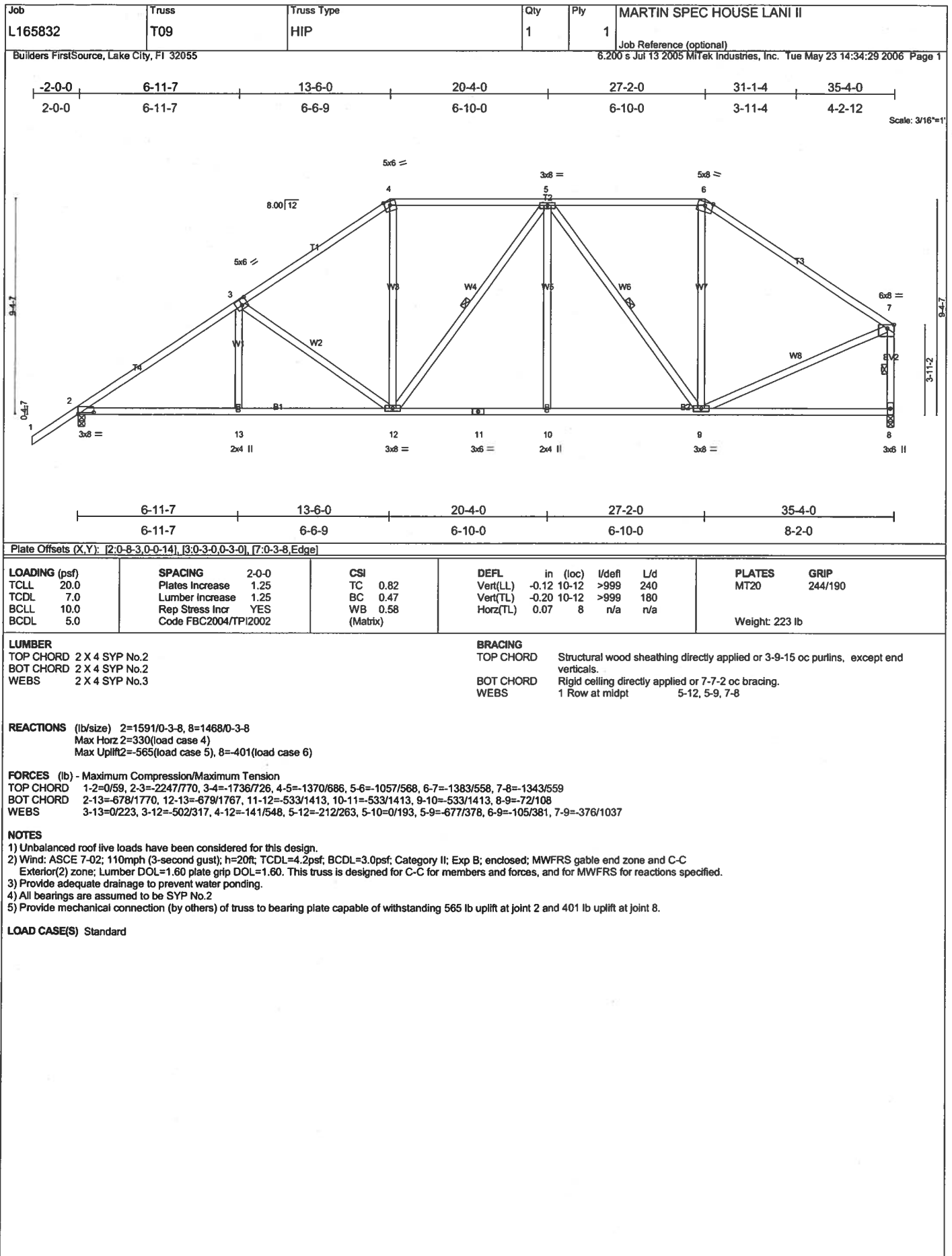
REACTIONS (lb/size) 14=1591/0-3-8, 9=1468/0-3-8
Max Horz 14=294(load case 5)
Max Uplift 14=527(load case 5), 9=519(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/64, 2-3=357/114, 3-4=1749/713, 4-5=1421/663, 5-6=1718/750, 6-7=778/391, 7-8=969/394, 2-14=421/272, 8-9=1458/564
BOT CHORD 13-14=651/1355, 12-13=813/1744, 11-12=813/1744, 10-11=703/1528, 9-10=12/9
WEBS 3-13=173/186, 4-13=159/594, 5-13=542/403, 5-11=69/163, 6-11=88/441, 6-10=1106/589, 7-10=30/234, 3-14=1530/611, 8-10=459/1165

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 527 lb uplift at joint 14 and 519 lb uplift at joint 9.

LOAD CASE(S) Standard





Job

L165832

Truss

T11

Truss Type

HIP

Qty

1

Ply

1

MARTIN SPEC HOUSE LANI II

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6,200 s Jul 13 2005 MITek Industries, Inc. Tue May 23 14:34:32 2006 Page 1

-2-0-0

3-8-7

7-0-0

11-8-0

16-4-0

21-0-0

25-8-0

28-11-9

32-8-0

34-8-0

2-0-0

3-8-7

3-3-9

4-8-0

4-8-0

4-8-0

4-8-0

3-3-9

3-8-7

2-0-0

Scale = 1/81.4

7-0-0

16-4-0

25-8-0

32-8-0

7-0-0

9-4-0

9-4-0

7-0-0

Plate Offsets (X,Y): [2-0-1-13,Edge], [4-0-6-0,Edge], [7-0-4-0-0-3-0], [8-0-6-0,Edge], [10-0-1-13,Edge], [14-0-5-0-0-4-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.77	Vert(LL)	-0.33 13-14	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.71	Vert(TL)	-0.53 13-14	>737	180	MT18H	244/190
BCLL 10.0	Rep Stress Incr	NO	WB 0.55	Horz(TL)	0.13 10	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						
								Weight: 209 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 6 SYP No.1D

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-4-12 oc purlins.

BOT CHORD Rigid ceiling directly applied or 4-8-15 oc bracing.

WEBS 1 Row at midpt 5-15, 7-13

REACTIONS (lb/size)

2=2987/0-3-8, 10=2987/0-3-8

Max Horz 2=-169(load case 2)

Max Uplift 2=-1595(load case 4), 10=-1595(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/62, 2-3=-4602/2698, 3-4=-4468/2714, 4-5=-3755/2331, 5-6=-5427/3311, 6-7=-5427/3311, 7-8=-3755/2331, 8-9=-4468/2715, 9-10=-4602/2699, 10-11=0/62

BOT CHORD 2-16=-2306/3743, 15-16=-2306/3743, 14-15=-3111/4852, 13-14=-3040/4852, 12-13=-2138/3743, 10-12=-2138/3743

WEBS 3-15=-160/80, 4-15=-697/1719, 5-15=-1621/1242, 5-14=-371/845, 6-14=-531/578, 7-14=-372/845, 7-13=-1621/1242, 8-13=-698/1719, 9-13=-161/80

NOTES

1) 2 X 6 SYP No.1D bearing block 12" long at jt. 2 attached to front face with 3 rows of 0.131"x3" Nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be SYP.

2) 2 X 6 SYP No.1D bearing block 12" long at jt. 10 attached to front face with 3 rows of 0.131"x3" Nails spaced 3" o.c. 12 Total fasteners. Bearing is assumed to be SYP.

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

4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.

5) Provide adequate drainage to prevent water ponding.

6) All plates are MT20 plates unless otherwise indicated.

7) All bearings are assumed to be SYP No.2

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1595 lb uplift at joint 2 and 1595 lb uplift at joint 10.

9) Girder carries hip end with 7-0-0 end setback.

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 347 lb down and 449 lb up at 25-8-0, and 347 lb down and 449 lb up at 7-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.

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

LOAD CASE(S) Standard

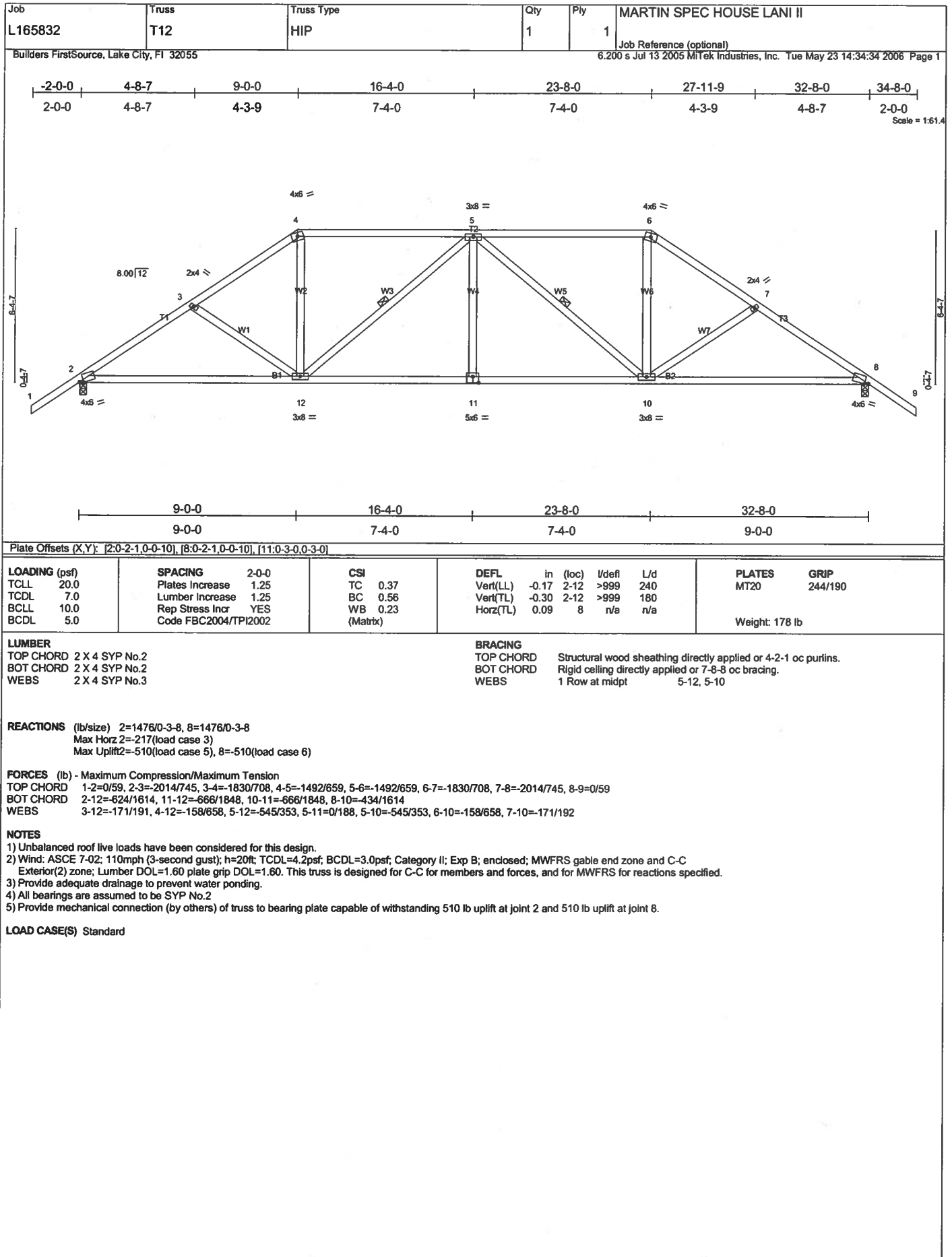
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

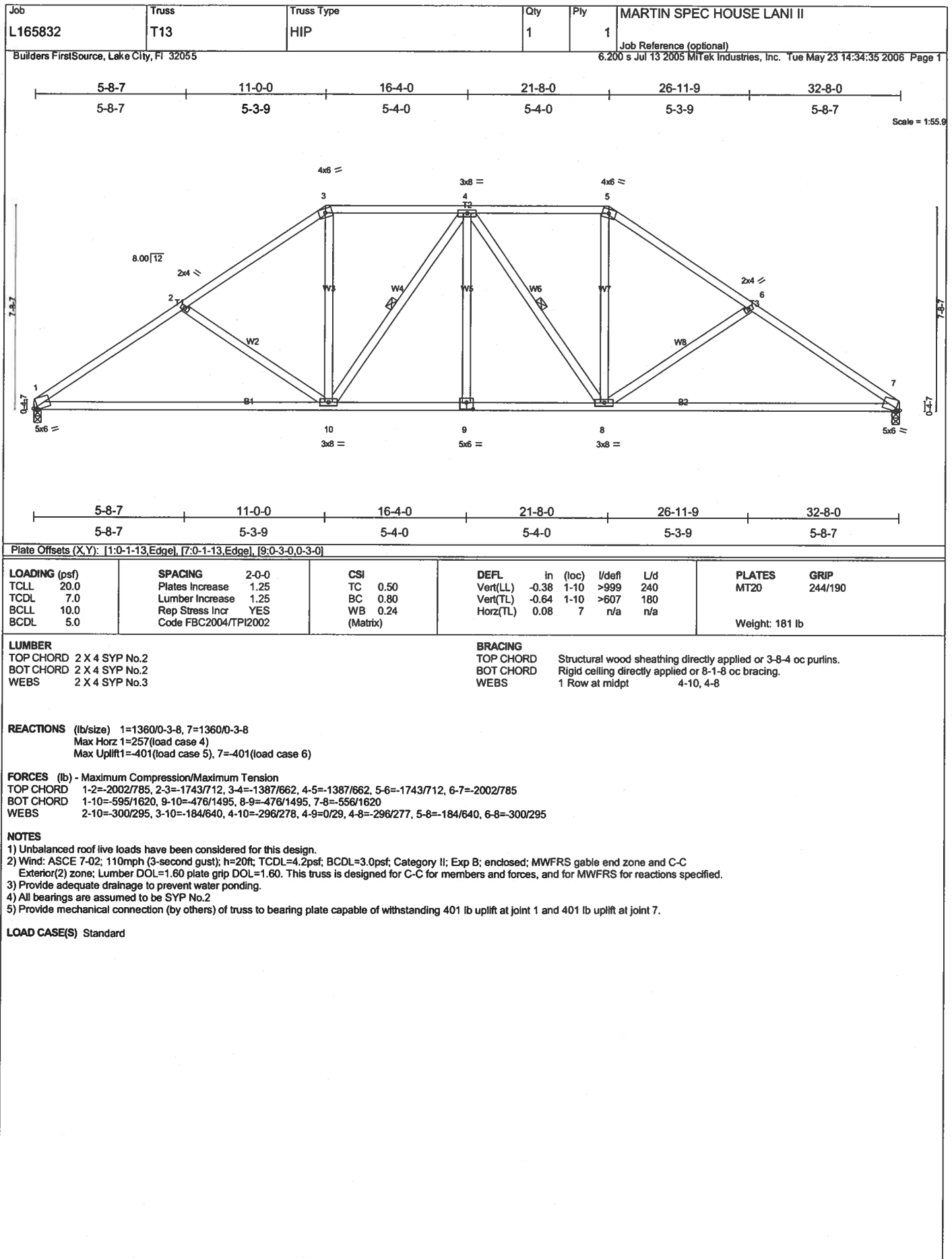
Uniform Loads (plf)

Vert: 1-4=-54, 4-8=-118(F=-64), 8-11=-54, 2-10=-65(F=-35)

Concentrated Loads (lb)

Vert: 4=347(F) 8=-347(F)





Job L165832	Truss T14	Truss Type SPECIAL	Qty 1	Ply 1	MARTIN SPEC HOUSE LANI II
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 23 14:34:36 2006 Page 1		

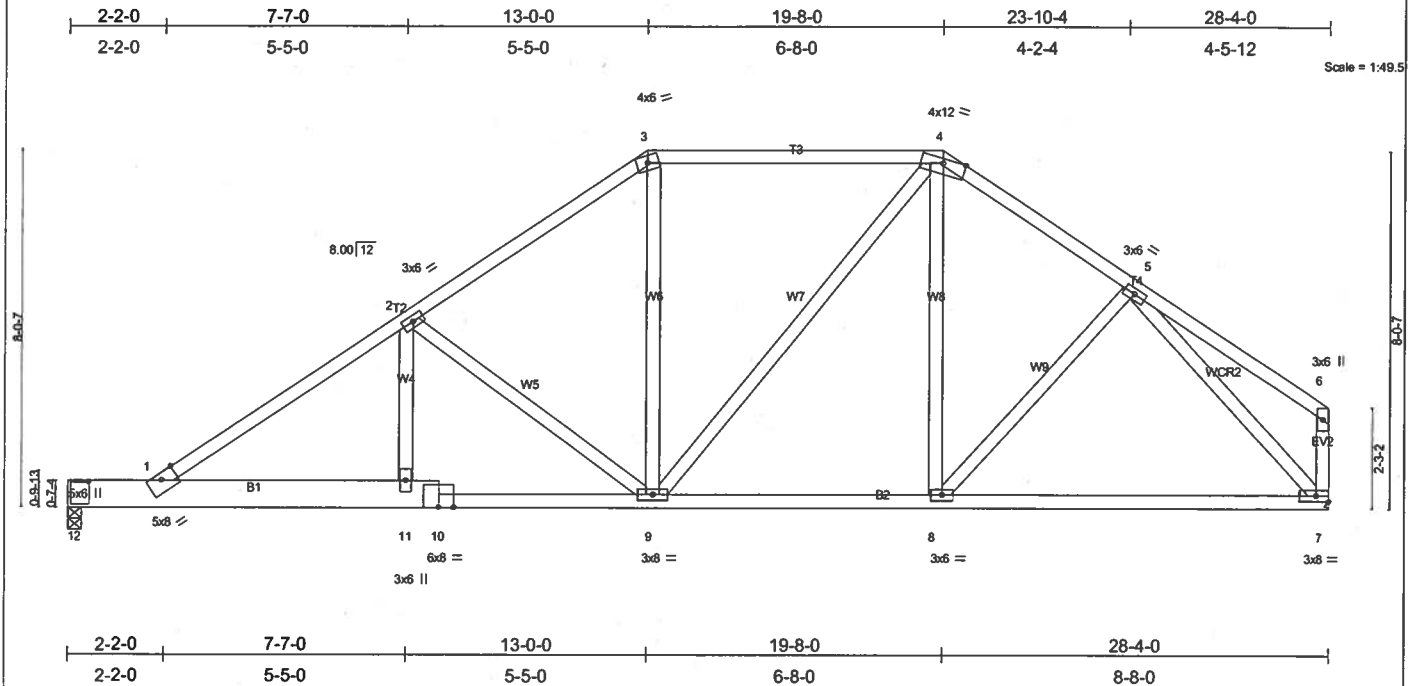


Plate Offsets (X,Y): [5:4-3-0,23-6-2]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.66	Vert(LL) -0.19	1-11	>999	240		MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.57	Vert(TL) -0.31	1-11	>999	180			
BCCL 10.0	Rep Stress Incr YES	WB 0.79	Horz(TL) 0.05	7	n/a	n/a			
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)							
								Weight: 174 lb	

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-10-12 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-3-0 oc bracing.

REACTIONS (lb/size) 12=1145/0-3-8, 7=1177/Mechanical
 Max Horz 12=256(load case 4)
 Max Uplift 12=305(load case 5), 7=337(load case 6)

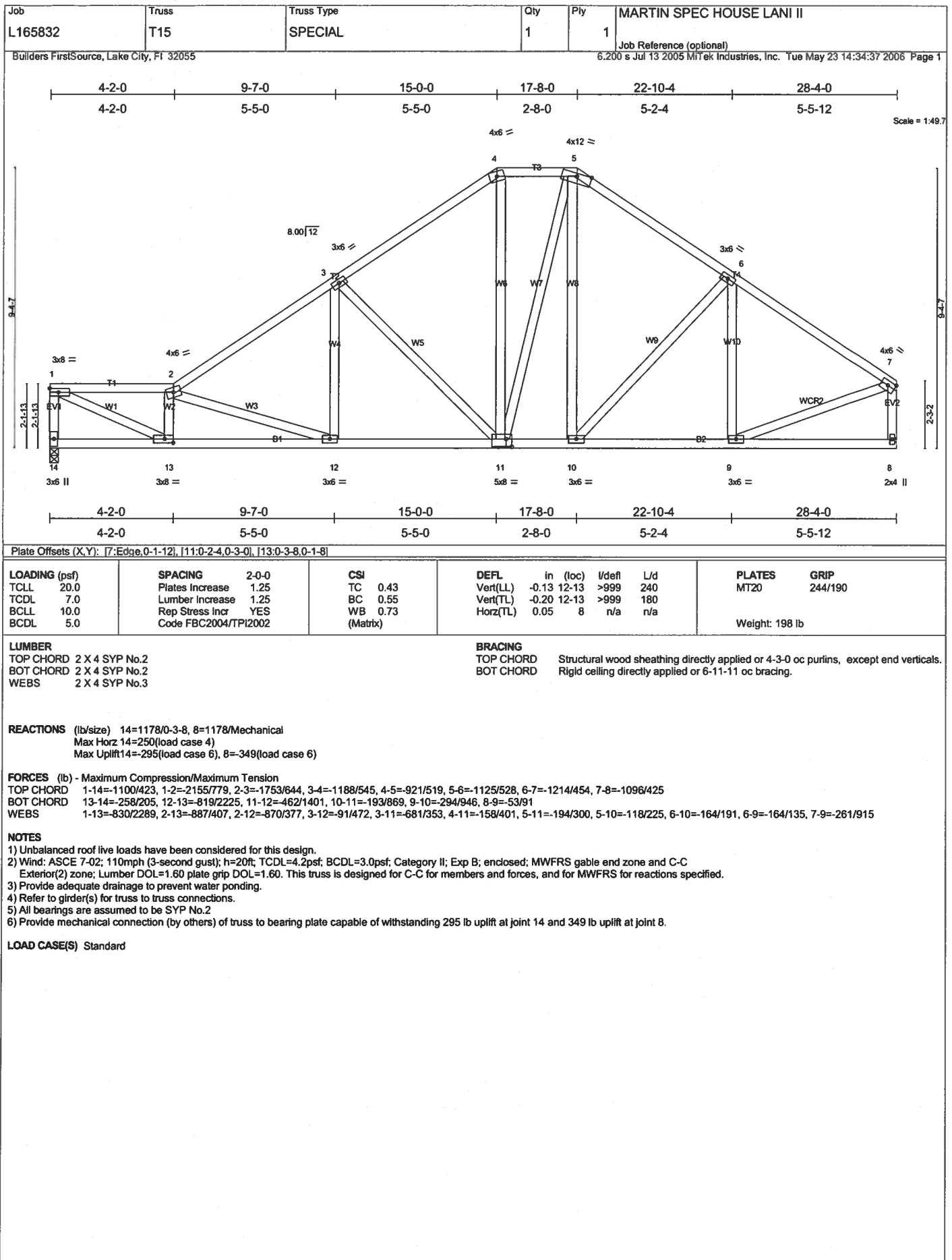
FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-2063/725, 2-3=-1375/587, 3-4=-1084/557, 4-5=-1185/527, 5-6=-241/104, 6-7=-223/126
 BOT CHORD 1-12=-256/205, 1-11=-586/1655, 10-11=-572/1641, 9-10=-586/1655, 8-9=-249/947, 7-8=-301/857
 WEBS 2-11=-87/519, 2-9=-719/363, 3-9=-93/391, 4-9=-177/286, 4-8=-50/174, 5-8=-147/220, 5-7=-1090/429

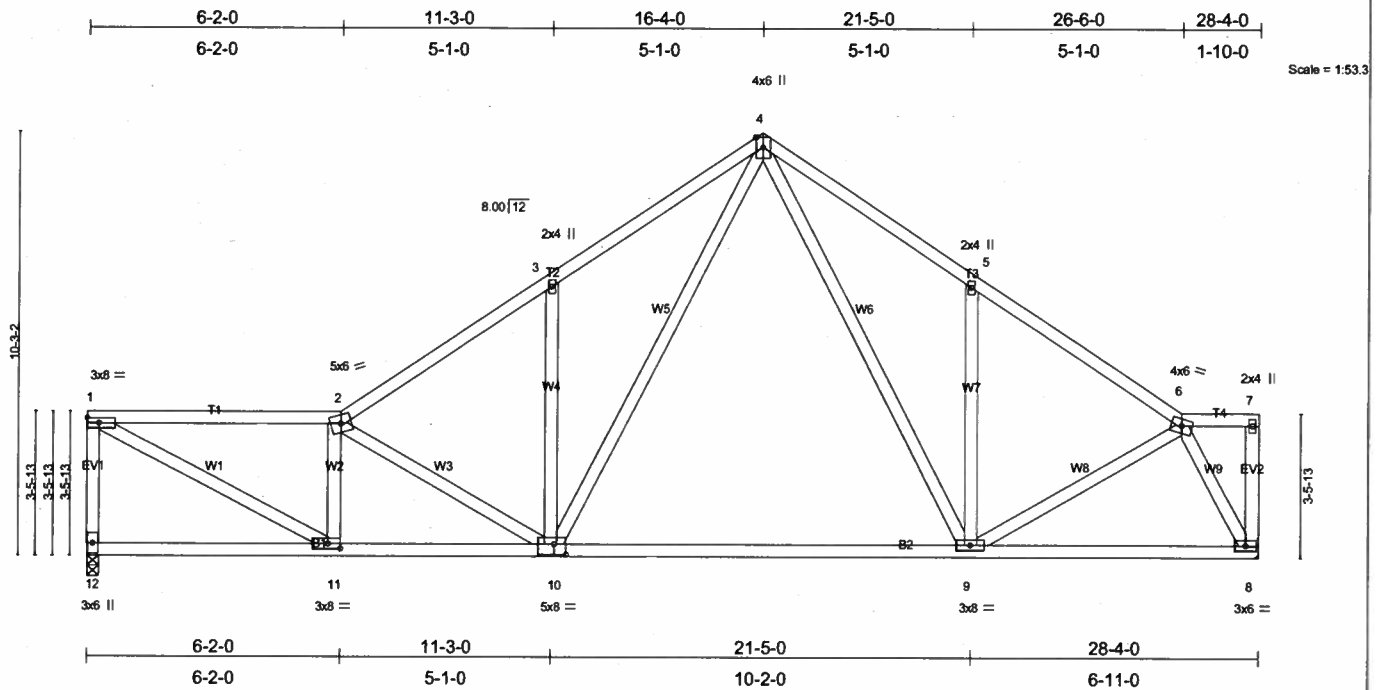
NOTES

- 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.
- Refer to girder(s) for truss to truss connections.
- All bearings are assumed to be SYP No.2
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 305 lb uplift at joint 12 and 337 lb uplift at joint 7.

LOAD CASE(S) Standard



Job L165832	Truss T16	Truss Type POLYNESIAN	Qty 1	Ply 1	MARTIN SPEC HOUSE LANI II
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mitek Industries, Inc. Tue May 23 14:34:39 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.60	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.69	Vert(LL) -0.26 9-10 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.94	Vert(TL) -0.44 9-10 >765 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.04 8 n/a n/a		
	Code FBC2004/TPI2002			Weight: 186 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-6-11 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except: 7-9-2 oc bracing: 10-11.

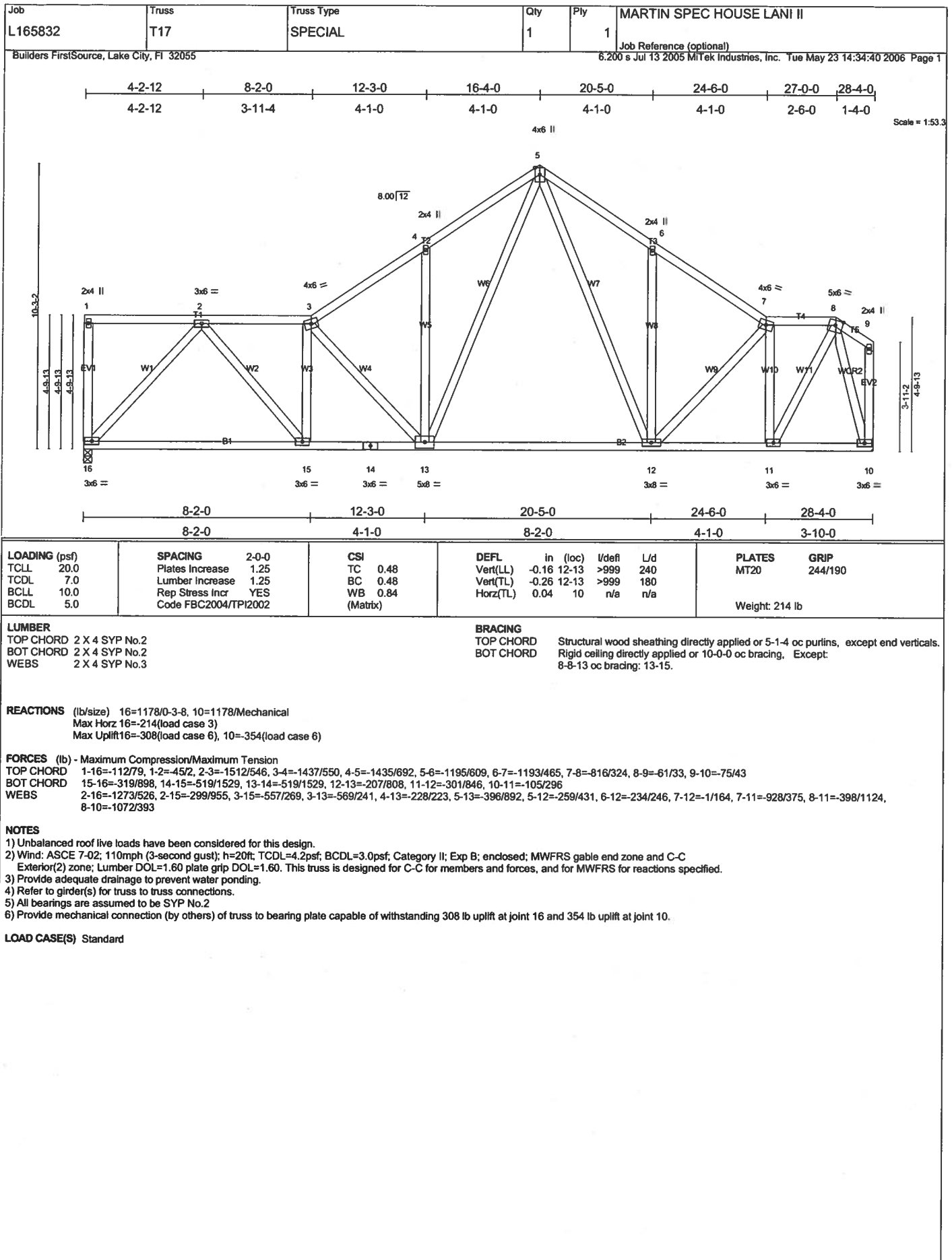
REACTIONS (lb/size) 12=1178/0-3-8, 8=1178/Mechanical
 Max Horz 12=-235(load case 3)
 Max Uplift 12=-248(load case 5), 8=-248(load case 5)

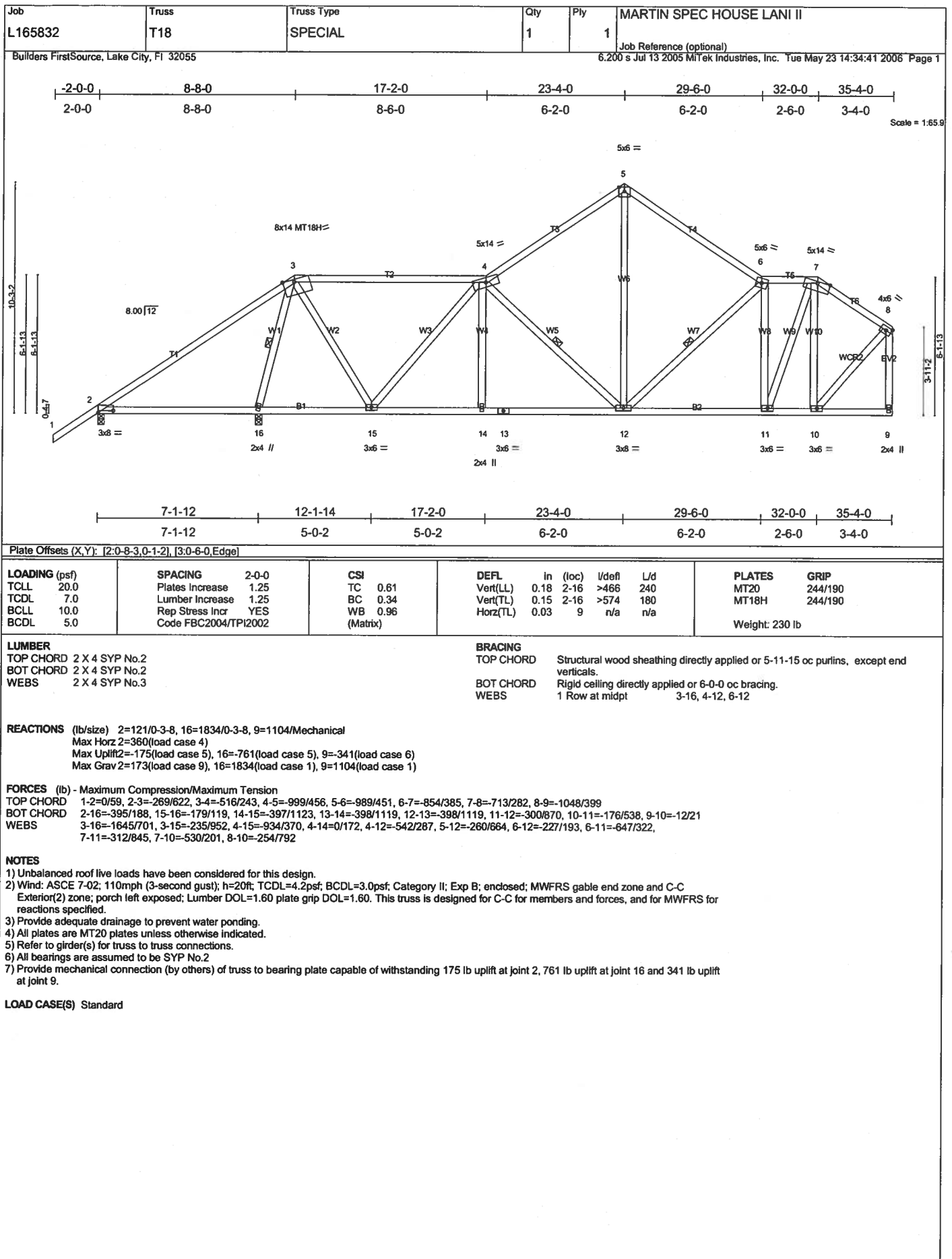
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-12=-1072/440, 1-2=-1759/638, 2-3=-1574/575, 3-4=-1566/746, 4-5=-1245/631, 5-6=-1242/452, 6-7=-21/0, 7-8=-25/50
 BOT CHORD 11-12=-246/196, 10-11=-655/1795, 9-10=-201/807, 8-9=-238/602
 WEBS 1-11=-694/1907, 2-11=-796/369, 2-10=-644/304, 3-10=-277/270, 4-10=-427/969, 4-9=-210/448, 5-9=-293/281, 6-9=-69/439, 6-8=-1239/517

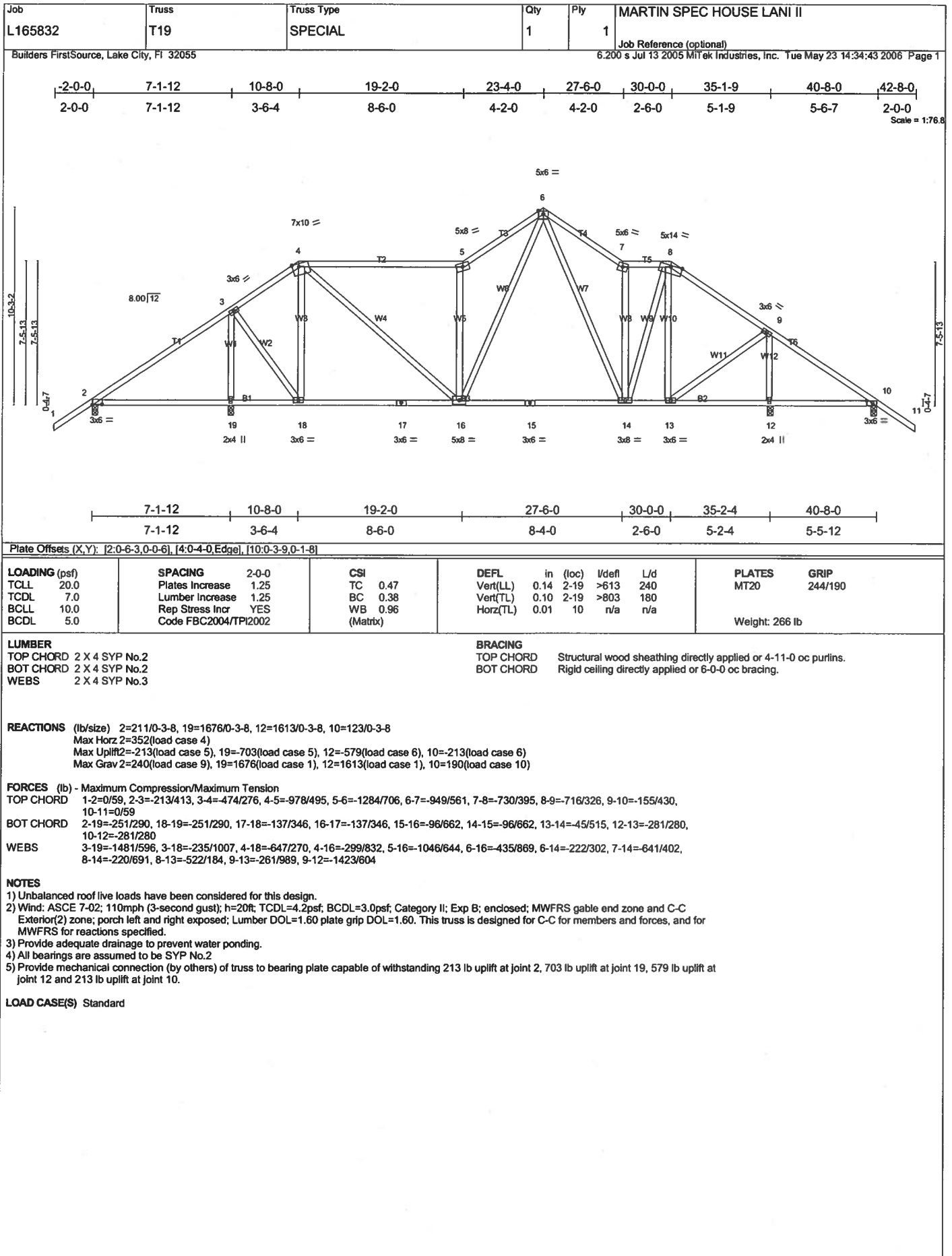
NOTES

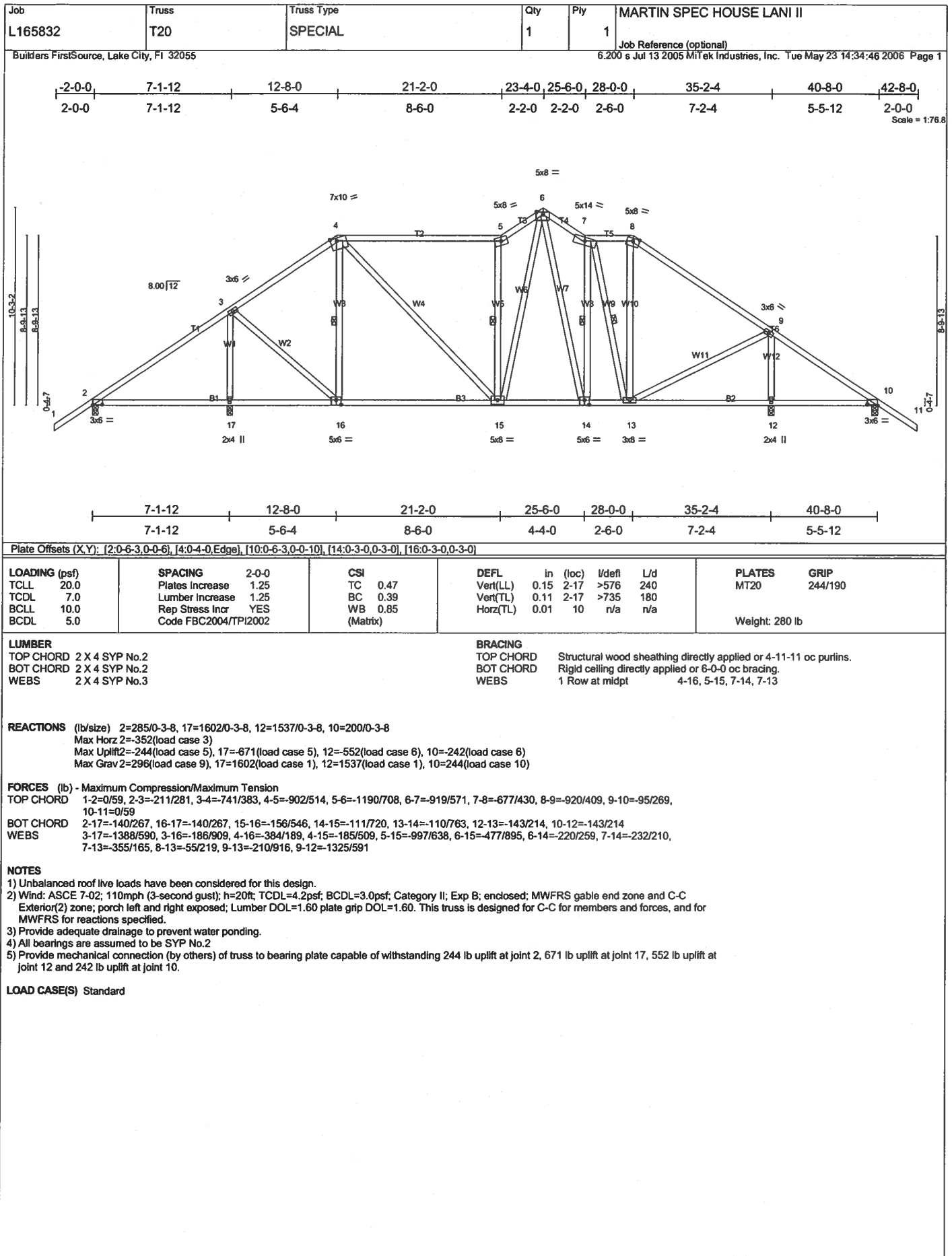
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Refer to girder(s) for truss to truss connections.
- 5) All bearings are assumed to be SYP No.2
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 248 lb uplift at joint 12 and 248 lb uplift at joint 8.

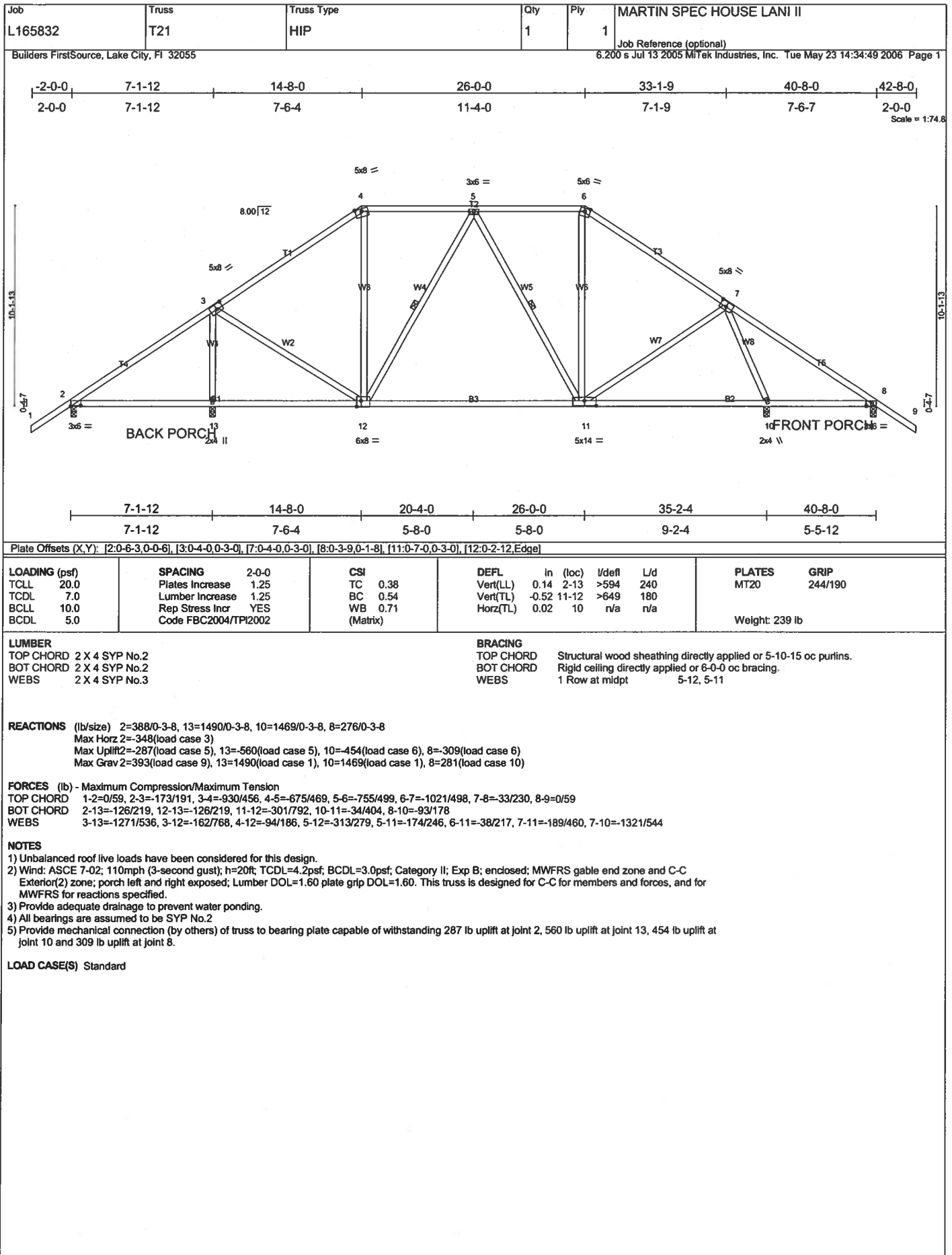
LOAD CASE(S) Standard

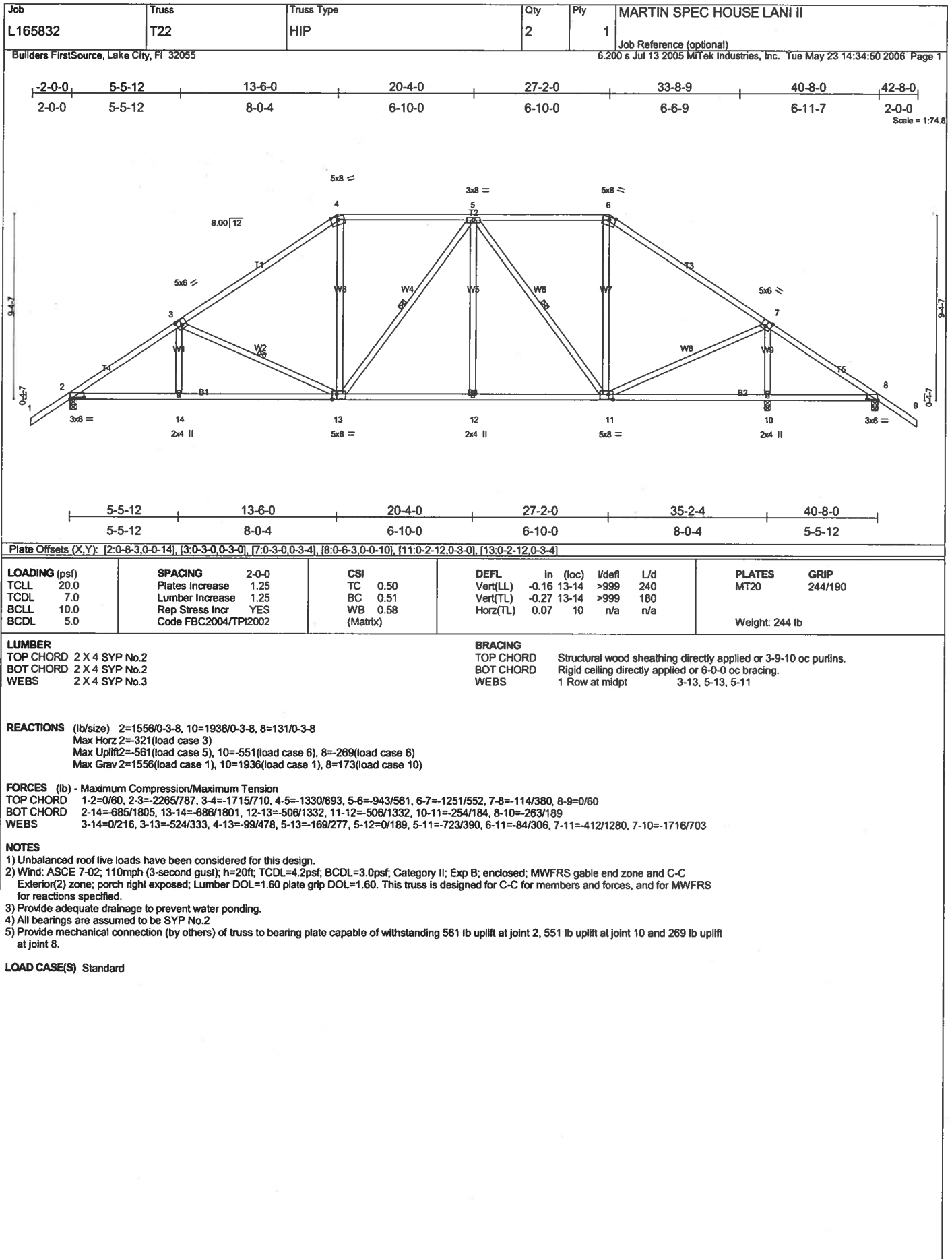


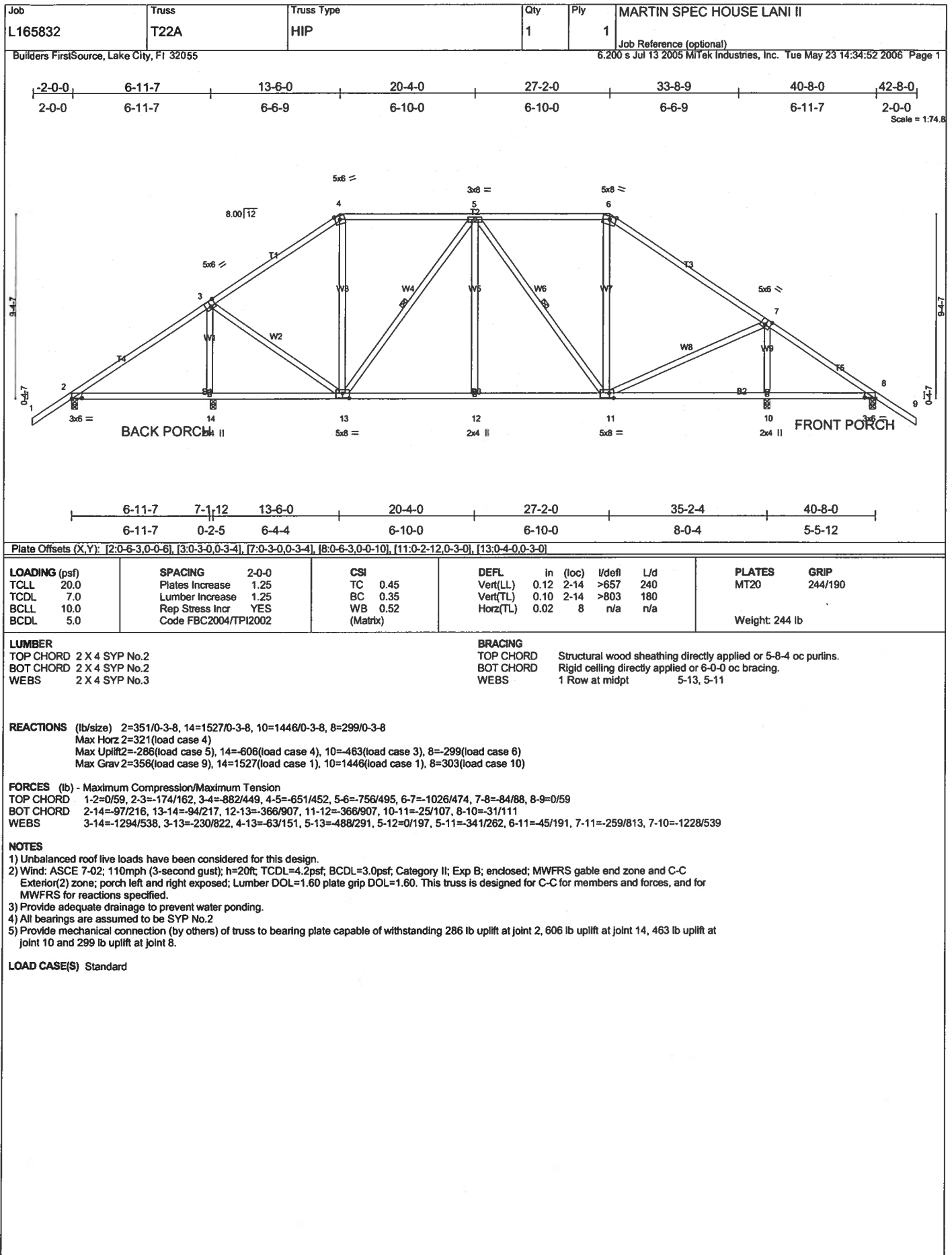


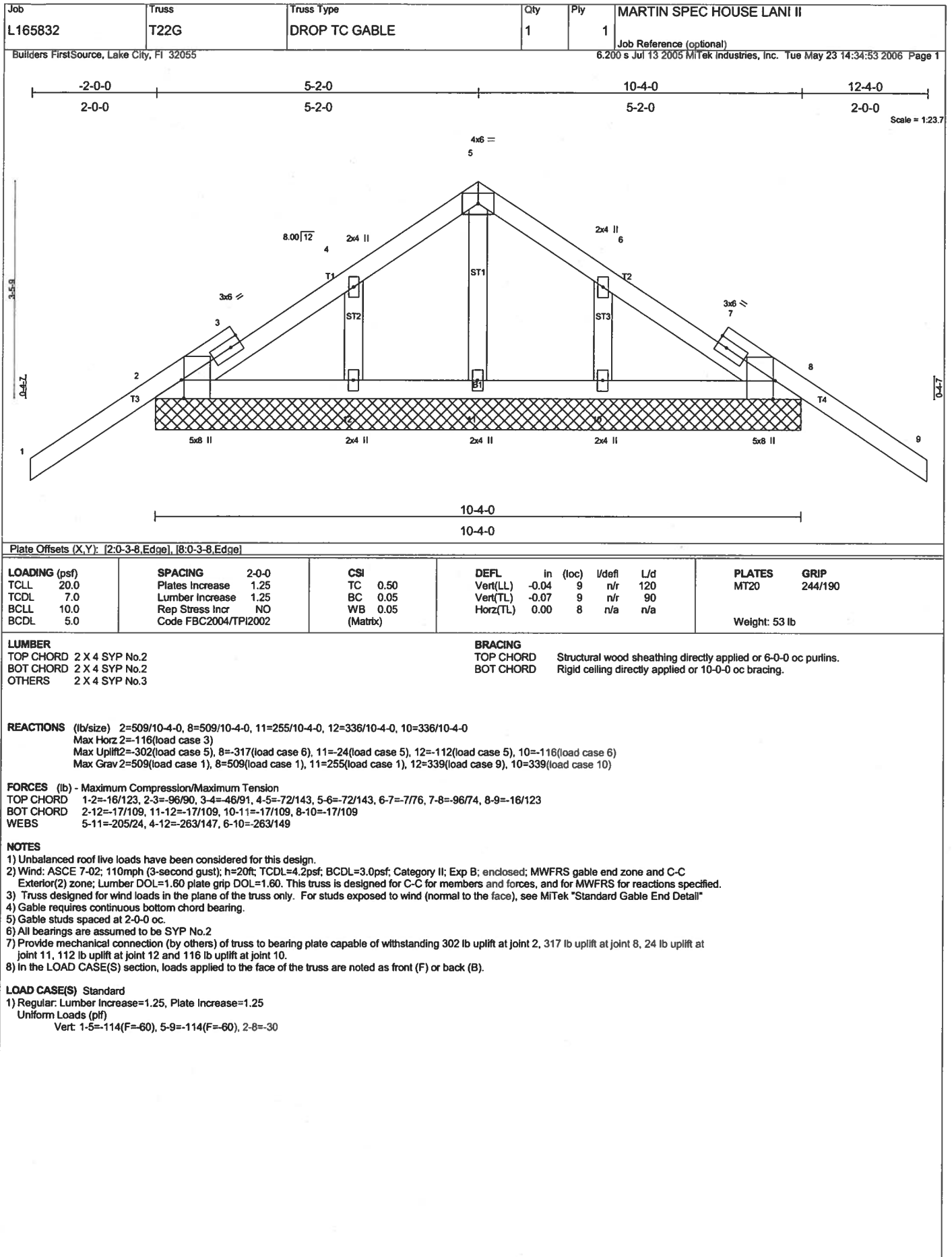












Job L165832	Truss T23	Truss Type COMMON	Qty 3	Ply 1	MARTIN SPEC HOUSE LANI II
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mitek Industries, Inc. Tue May 23 14:34:54 2006 Page 1		

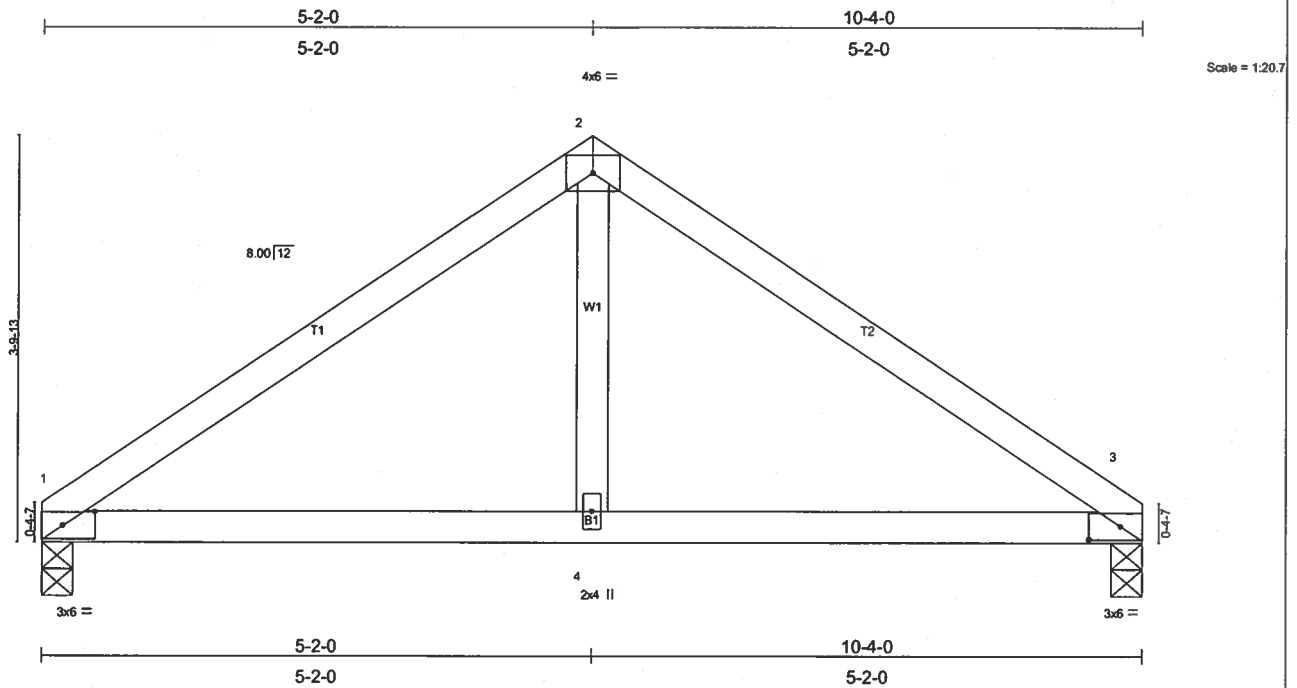


Plate Offsets (X,Y): [1:0-3-9,0-1-8], [3:0-3-9,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.20	Vert(LL)	-0.03	1-4	>999	240	MT20	244/190
TCCL 7.0	Lumber Increase	1.25	BC 0.26	Vert(TL)	-0.04	1-4	>999	180		
BCCL 10.0	Rep Stress Incr	YES	WB 0.07	Horz(TL)	0.01	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
										Weight: 39 lb

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

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

REACTIONS (lb/size) 1=422/0-3-8, 3=422/0-3-8
 Max Horz 1=121(load case 4)
 Max Uplift 1=133(load case 5), 3=-133(load case 6)

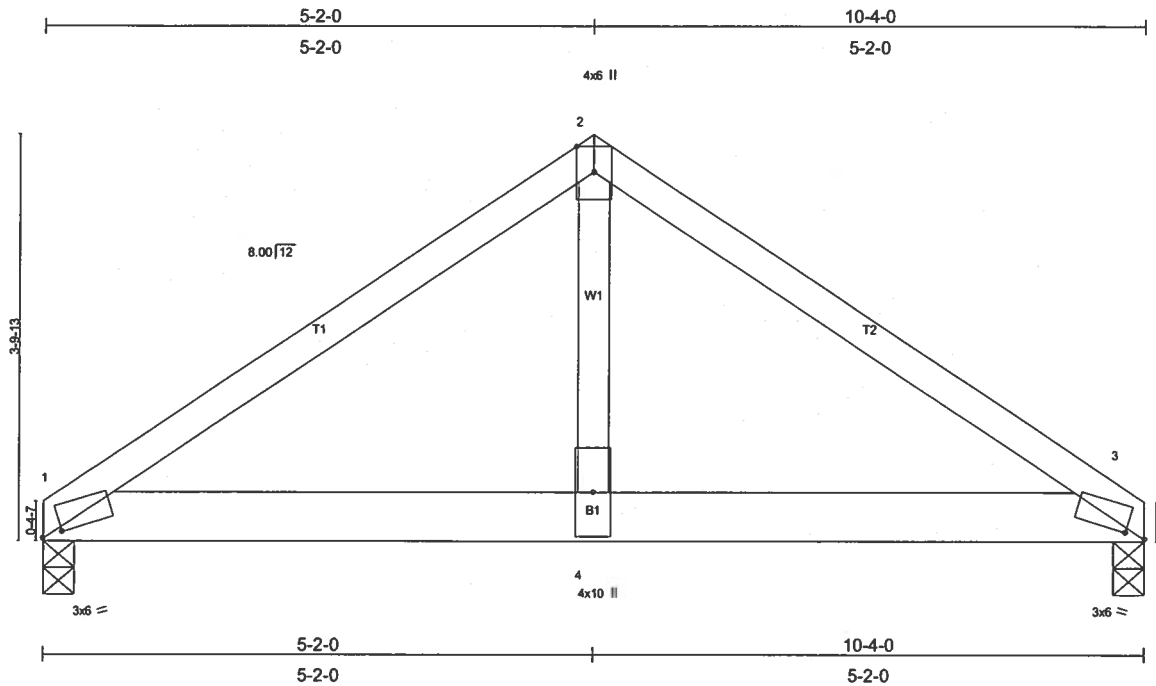
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-522/205, 2-3=-522/205
 BOT CHORD 1-4=-84/376, 3-4=-84/376
 WEBS 2-4=-7/205

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) All bearings are assumed to be SYP No.2
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 133 lb uplift at joint 1 and 133 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L165832	Truss T24	Truss Type COMMON	Qty 1	Ply 2	MARTIN SPEC HOUSE LANI II
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue May 23 14:34:55 2006 Page 1		



Scale = 1:20.7

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

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.25	Vert(LL)	-0.05	1-4	>999	240	MT20	244/190
TCCL 7.0	Lumber Increase 1.25	BC 0.54	Vert(TL)	-0.08	1-4	>999	180		
BCCL 10.0	Rep Stress Incr NO	WB 0.55	Horz(TL)	0.01	3	n/a	n/a		
BCCL 5.0	Code FBC2004/TPI2002	(Matrix)							
								Weight: 95 lb	

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

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

REACTIONS (lb/size) 1=3168/0-3-8, 3=3168/0-3-8
 Max Horz 1=118(load case 3)
 Max Uplift 1=-1209(load case 4), 3=-1209(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-3456/1328, 2-3=-3456/1328
 BOT CHORD 1-4=-1049/2839, 3-4=-1049/2839
 WEBS 2-4=-1275/3454

NOTES

- 2-ply truss to be connected together with 0.131"x3" Nails as follows:
 Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2 X 6 - 2 rows at 0-7-0 oc.
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=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.
- All bearings are assumed to be SYP No.2
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1209 lb uplift at joint 1 and 1209 lb uplift at joint 3.
- Girder carries tie-in span(s): 28-4-0 from 0-0-0 to 10-4-0

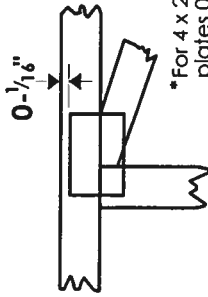
LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-54, 2-3=-54, 1-3=-577(F=-547)

Symbols

PLATE LOCATION AND ORIENTATION

Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and securely seat.



For 4 x 2 orientation, locate plates 0-1/16" from outside edge of truss.

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



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

PLATE SIZE

4 x 4

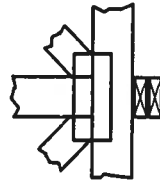
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING



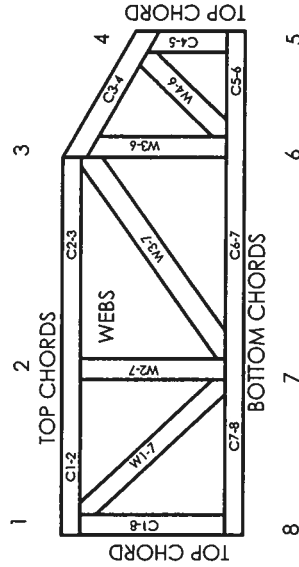
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths



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

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

CONNECTOR PLATE CODE APPROVALS

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



Mitek Engineering Reference Sheet: MII-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

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FLORIDA BUILDING CODE

- Overview
- User Registration
- Organization Registration
- User Authentication
- Organization Search
- Organization Accreditation

Select the organization type, status, or name to find an organization

Organization Type: Product Manufacturer

Approval Status: (ALL)

Organization Name: General American Door - Product Manufacturer

Cancel

Search

Result List for Organizations

Displaying 1-1 of 1

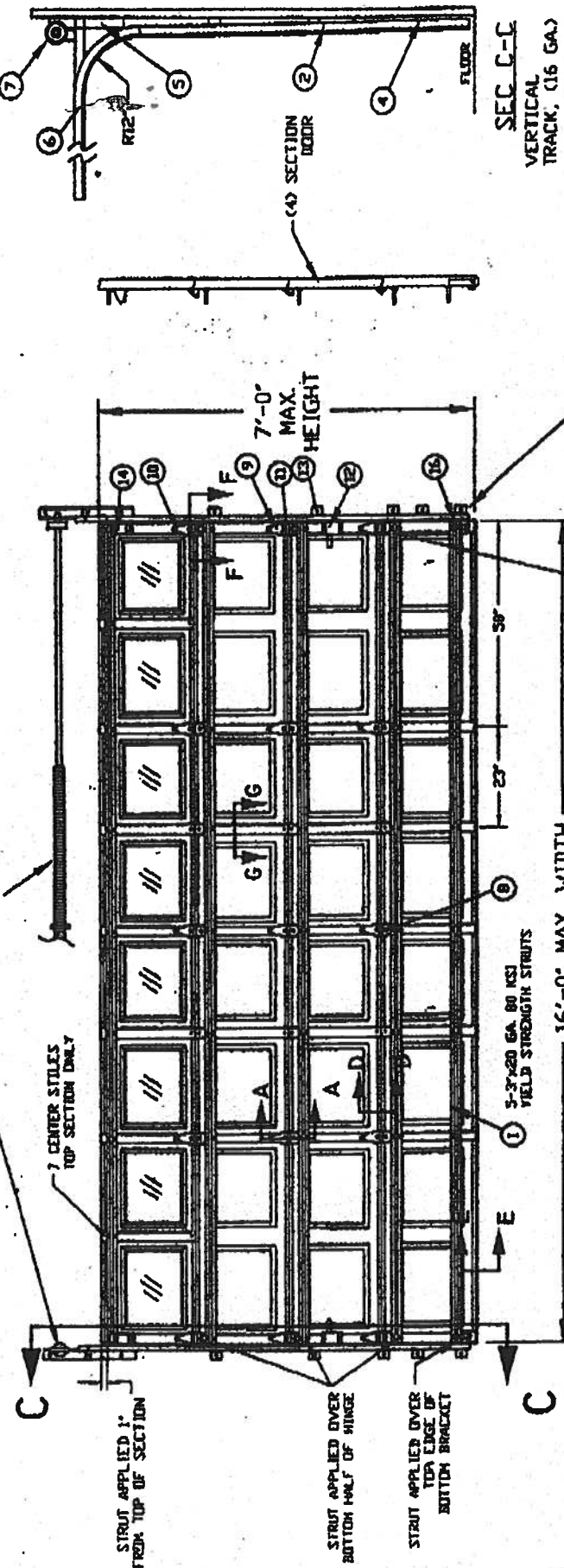
Name	City	Contact	Phone	Type	Expire	Status
General American Door	Montgomery	James Campbell	6308593000	Product Manufacturer	01/01/2009	Approved
Org Code FDM System ID: 3585						
Site Link: www.gadco.com						

Displaying 1-1 of 1

NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-330
2. MAXIMUM SECTION HEIGHT: 21'
3. SECTION HEIGHTS OF 21'0" AND 19'0" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS.
4. VIBRODOORS MAY BE INSTALLED IN THE TOP SECTION (AS TESTED WITH 1/8" RIB GLASS OR EQUIVALENT) OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MAXIMUM LENGTH OF ROLLER STICH IS 34" OR AS TESTED
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR DESIGN
7. STRUTS SECURED AT ALL LOCATIONS WITH TEN SCREWS
8. QUANTITY OF SIDE LOCKS CAN BE Q1 OR Q2 AS TESTED.
9. DROP IN TYPE OF INSULATION IS OPTIONAL

NOT PART OF VIBRO LOAD SYSTEM
EXTENSION SPRING COUNTERBALANCE
TENSION SPRING COUNTERBALANCE



SEC C-C
VERTICAL
TRACK, (16 GA.)

12 GA. JAMB BRACKETS, MAXIMUM SPACING = 19-1/2" WITH
LOWEST BRACKET APPROX. 3" FROM FLOOR, 2ND BRACKET
NEAR THE HORIZONTAL 1/8" OF THE BOTTOM SECTION, AND 3RD
BRACKET NEAR THE TOP OF THE BOTTOM SECTION

ALL ROLLER CARRIERS
AND HINGES ARE 14 GA.

INSIDE ELEVATION

16'-0" MAX. WIDTH

5-3/4" X 20 GA. 80 KSI
YIELD STRENGTH STRUTS

DESIGN LOAD +200 PSF & -200 PSF
TEST LOAD +300 PSF & -300 PSF

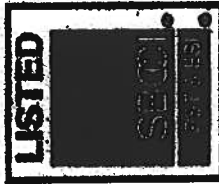


GENERAL AMERICAN DOOR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

GAUCO DOORS
SERIES 7400, EXTERIOR STEEL = .017 MIN G.S. TESTED
SERIES 7825, EXTERIOR STEEL = .017 MIN G.S. TESTED
SERIES 7524, EXTERIOR STEEL = .024" MIN G.S. TESTED WITH VIBRODOORS

DATE: 10-20-10	REVISED: (A) 11-10-10
DESCRIPTION: 16' X 7' MAX. RAISED PANEL STEEL DOOR - VIBRODOOR ±20 PSF	APPROVED BY: [Signature]
PROJECT NUMBER: [Blank]	DRAWING NUMBER: VJ3220-1

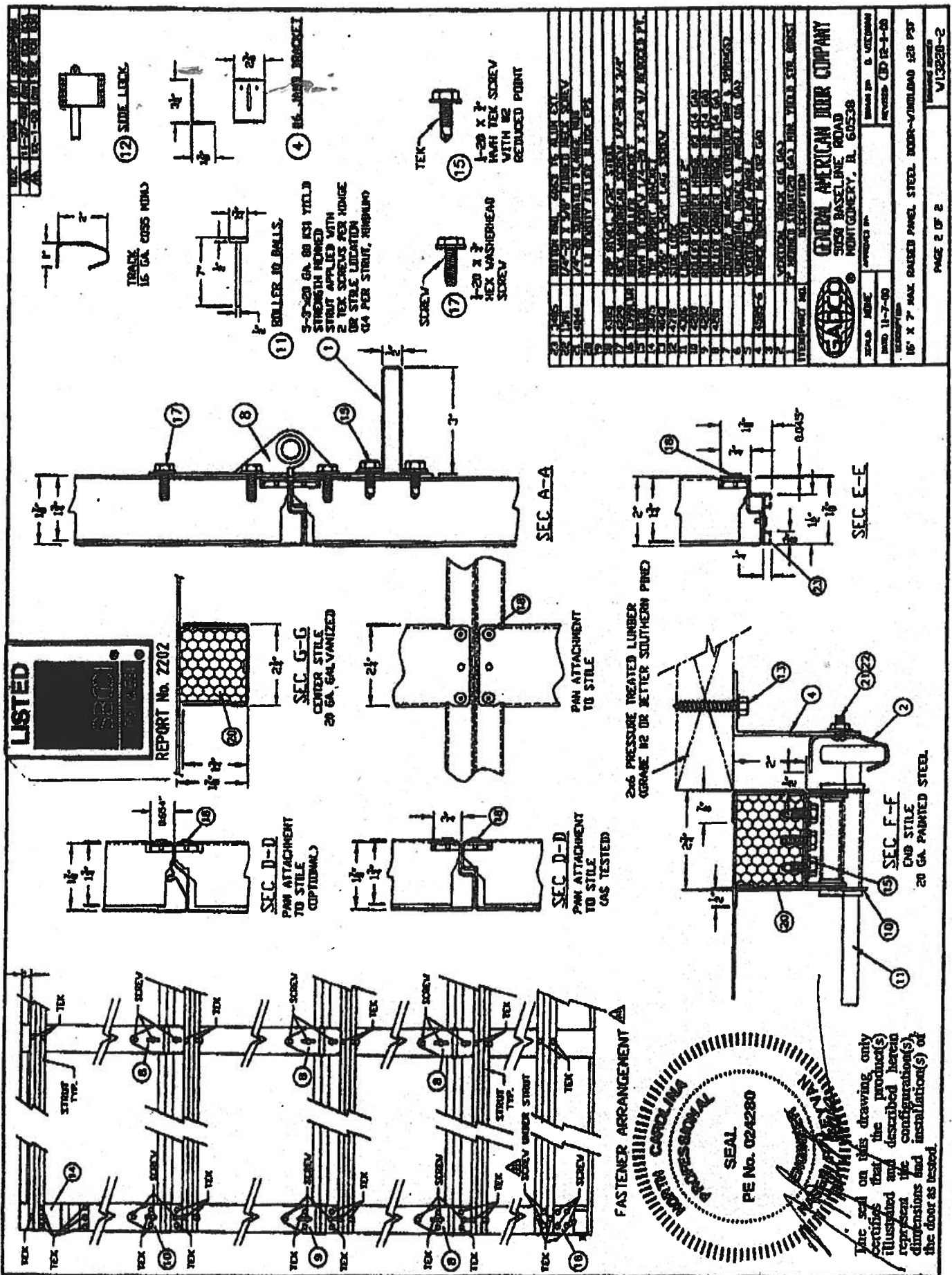
PAGE 1 OF 2



REPORT No. 2202



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



2X6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2X6 PRESSURE TREATED GRADE #2 OR BETTER SOUTHERN PINE WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

- 1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" POSTS.
- 2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCCI "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION SSTD 10," CURRENT EDITION.
- 3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.
- 4) WOOD FRAME BUILDINGS STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2X6 PRESSURE TREATED SOUTHERN PINE #2 GRADE OR BETTER WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.
- 5) REINFORCED CMU OR CONCRETE 2X6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2500 PSI GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
- 6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.
- 7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS (CMU) SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM SPACING OF 3-3/4".
- 8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2X6 WALL STUDS.
- 9) WASHERS ARE REQUIRED ON ALL FASTENERS.
- 10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 18' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.
- 11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS, ADD AN ADDITIONAL 2X6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.

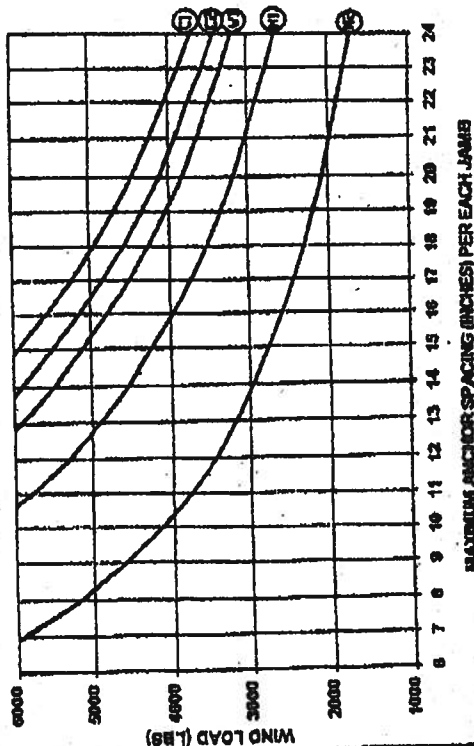
① CONCRETE BRACKET
HELVETIA BOLT
EXPANSION ANCHOR
3/8" DIA
1-5/8" EMBEDMENT

② CONCRETE BRACKET
BOLT LAG/BOLT
SLEEVE ANCHOR
3/8" DIA
1-5/8" EMBEDMENT

③ REINFORCED BRACKET
HELVETIA BOLT
EXPANSION ANCHOR
3/8" DIA
1-5/8" EMBEDMENT

④ REINFORCED BRACKET
HELVETIA BOLT
EXPANSION ANCHOR
3/8" DIA
1-5/8" EMBEDMENT

⑤ WOOD STUD BRACKET
LAG SCREWS
5/16" DIA
1-1/2" EMBEDMENT

WIND LOAD VS ANCHOR SPACING

MAXIMUM ANCHOR SPACING (INCHES) PER EACH JAMB

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

LOAD

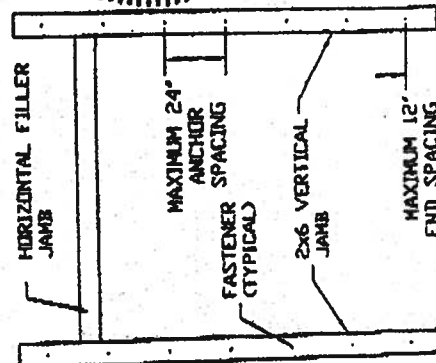
FT²**EXAMPLE**

30 LBS X 06 FT WIDE X 8 FT HIGH = 3840 LBS
FT²

① USE 22" SPACING

② USE 21" SPACING

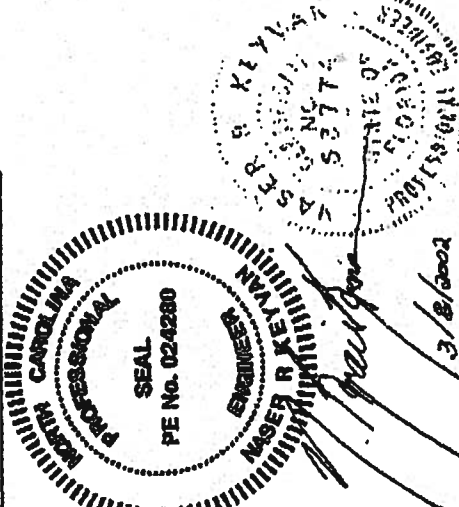
③ USE 19" SPACING

SEE NOTE 11 FOR ADDITIONAL
REQUIRED 2X6 WOOD JAMB ANCHORS

GENERAL AMERICAN DOOR COMPANY
5000 BASELINE ROAD
HUNTINGTON, IL 60538

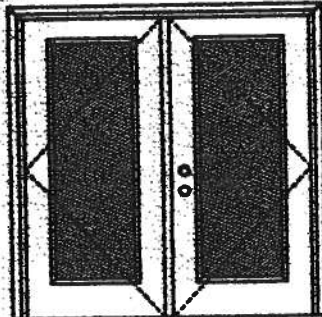
WIND LOAD	ANCHOR SPACING	WIND SPEED	DOOR SIZE
42 PSF	24"	120 MPH	18' X 8'
FOR WIND LOADED GARAGE DOORS			

AL0560



XX**Glazed Outswing Unit**

CCP-WL-JH1152-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:**

Double Door
Maximum unit size = 6'0" x 6'8"

Design Pressure
+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

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

Note:

Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

MINIMUM ASSEMBLY DETAIL:

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

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:**1/4 GLASS:**

100 Series



120, 125 Series



130 Series



680 Series



822 Series

1/2 GLASS:

100 Series*



104, 160 Series*



120 Series*



220 Series*

12 RL, 28 RL, 34 RL
Series*

167 Series*



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson
Entry Systems

March 20, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

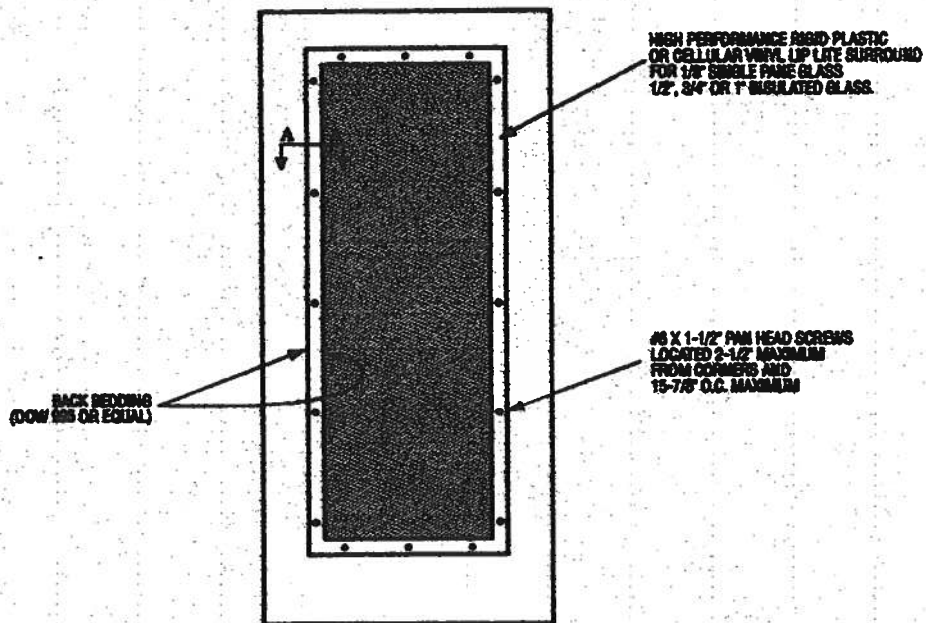
PREMDOR Collection
Premium Quality Doors



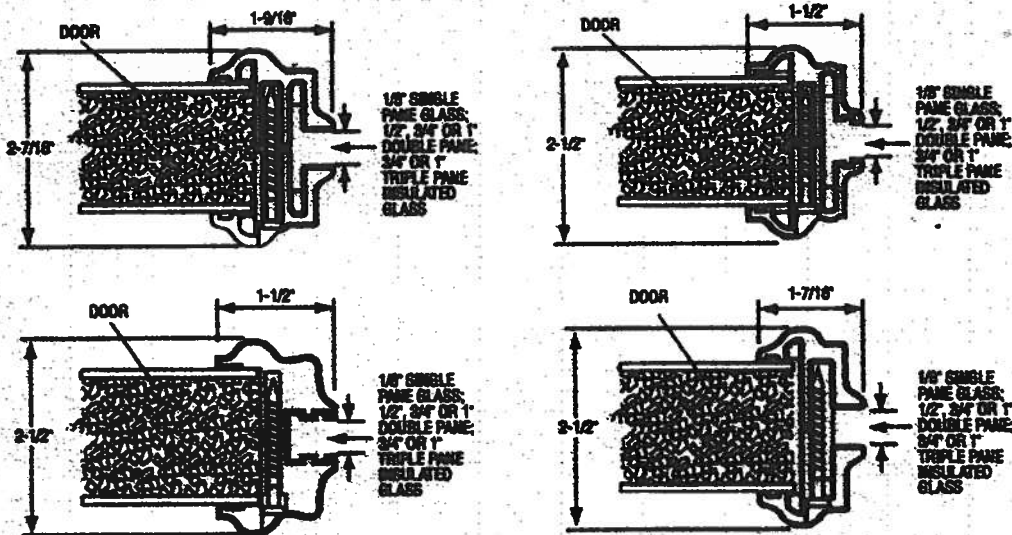
Exclusively from

Masonite
Masonite International Corporation

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND



XX

Glazed Outswing Unit

COP-WL-004182-02

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

404 Series



418 Series



458 Series

FULL GLASS:

108 Series



114, 120, 122 Series



162 Series



148 Series



500 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1884-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip like surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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

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

Johnson
EntrySystems

March 26, 2002

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

PREMDORE
Premium Quality Doors



Exclusively from
Masonite

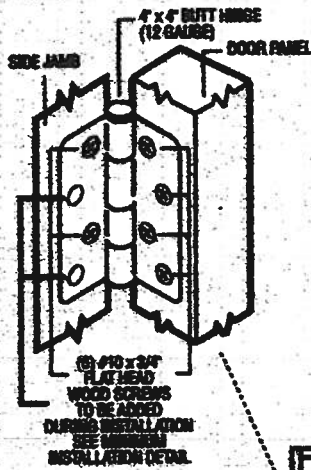
Masonite International Corporation

XX
Unit

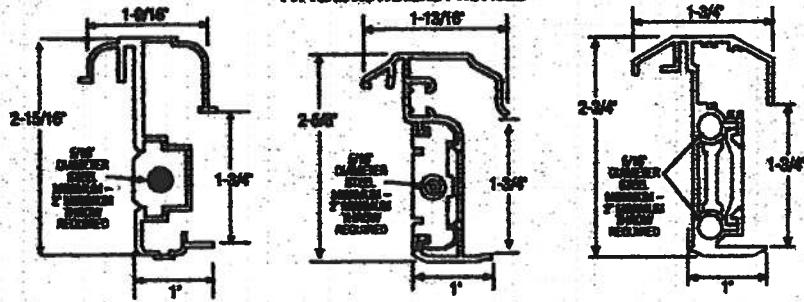
11AD-WL-WA0012-02

OUTSWING UNITS WITH DOUBLE DOOR

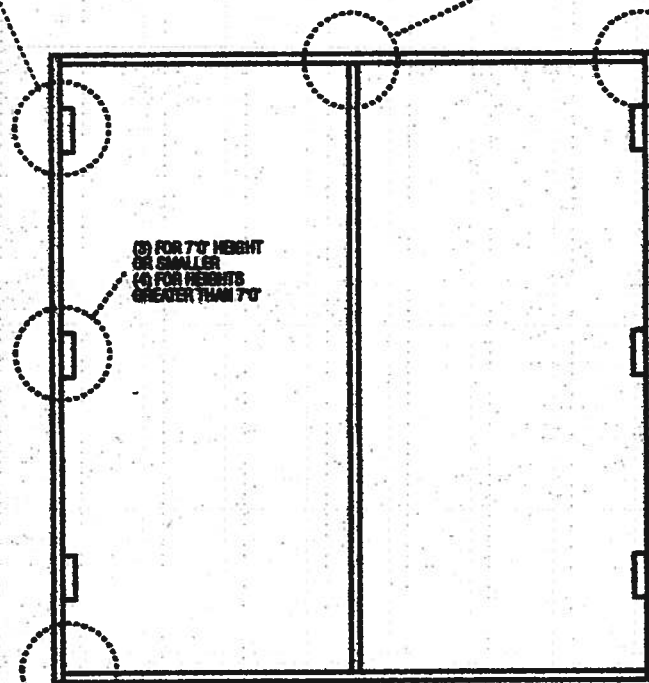
TYPICAL HINGE ATTACHMENT



TYPICAL ASTRAL PROFILES

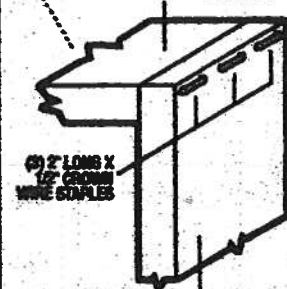


ALUMINUM EXTRUDED ASTRAL (0.08\"/>



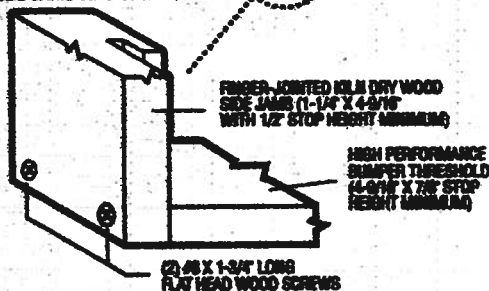
TYPICAL HEADER & SIDE JAMB ATTACHMENT

FINGER-JOINTED KILN DRY WOOD
FRAME HEADER (1-1/4\"/>



FINGER-JOINTED
KILN DRY WOOD
SIDE JAMB
(1-1/4\"/>

TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



March 25, 2012
Our continuing program of product improvement makes specifications,
drawings and product labels subject to change without notice.



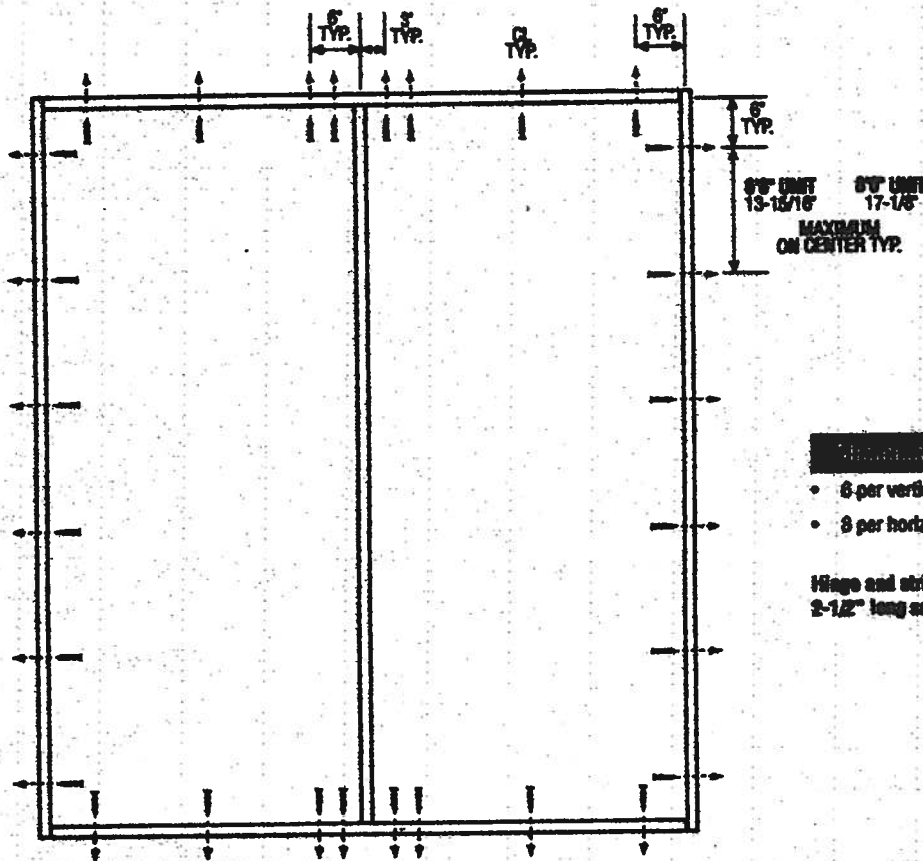
Exclusively from

Masonite
Masonite International Corporation

XX
Unit

MID-WL-MACH02-02

DOUBLE DOOR



Minimum Fastener Counts

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

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

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #6 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade County approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

March 29, 2002
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



Exclusively from
Masonite
Masonite International Corporation



FEB - 4 REC'D

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

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

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

All testing was performed by Florida State certified independent labs.

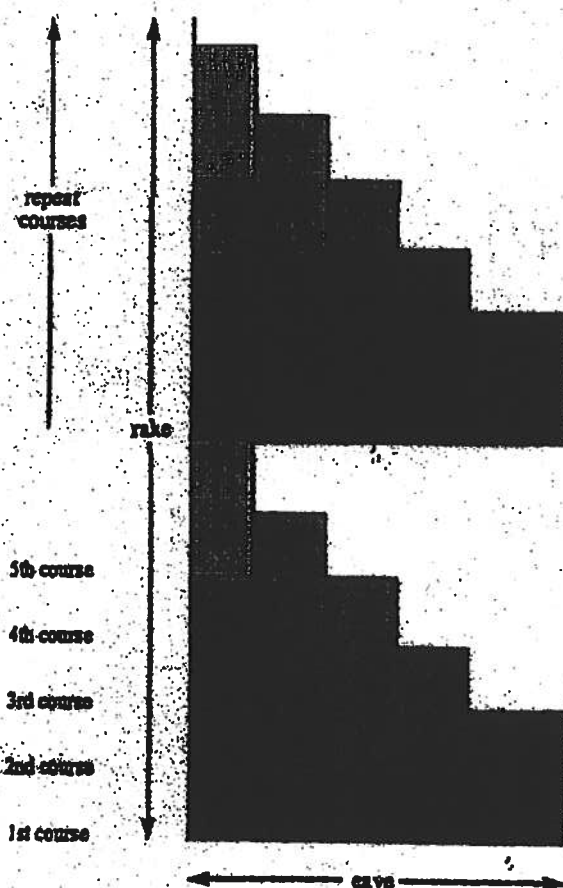
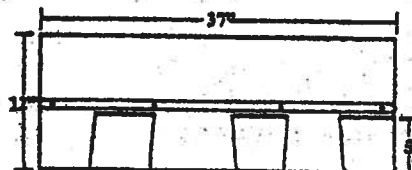
Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

TAMKO Roofing Products, Inc.



Application Instructions For Heritage® 25 Series Shingles

SPECIFICATIONS (APPROX.)	
Length	37"
Width	12"
Bundles per Sq.	3
Shingles per Sq.	78
Shingles per Bundle	26
Coverage per Sq. (Sq. Ft.)	100
Exposure	5"



The 4 cuts in the first 10 courses:



In the first 10 courses, there are 4 cuts and no waste.

When you reach the other side of the roof, whatever has to be trimmed off can be used in the field of roofing.

For additional application information consult the application instructions printed on the product package.

NOTE: These application instructions apply only to Heritage 25 and Heritage 25 AR shingles.



Application Instructions for

• Glass-Seal
• Glass-Seal AR

• Elite Glass-Seal®
• Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.

THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER. IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF DECK

These shingles are for application to roof decks capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and rakes.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thick and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be a 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement.
3. Rotting of wood members.
4. Premature failure of roof.

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents.

FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

3. FASTENING

NAILS: TAMKO recommends the use of nails as the preferred method of application.

WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These

conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

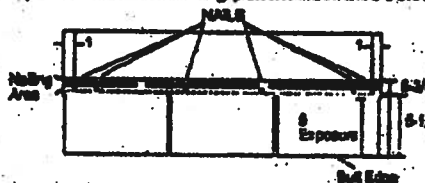
Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or gusts exceeding gale force. Gale force shall be the standard as defined by the U.S. Weather Bureau.

FASTENING PATTERNS: Fasteners must be placed above or below the factory applied sealant in an area between 5-1/2" and 6-3/4" from the butt edge of the shingle. Fasteners should be located horizontally according to the diagram below. Do not nail into the sealant. TAMKO recommends nailing below the sealant whenever possible for greater wind resistance.

- 1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1 in. back from each end and one 12 in. back from each end of the shingle for a total of 4 fasteners. (See standard fastening pattern illustrated below.)



- 2) Mansard or High Wind Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) One fastener 1 in. back from each end and one fastener 10-1/2 in. back from each end and one fastener 13-1/2 in. back from each end for a total of 6 fasteners per shingle. (See Mansard fastening pattern illustrated below.)



NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12-gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in.

(Continued)

Visit Our Web Site at
www.tamko.com

Central District	220 West 4th St., Joplin, MO 64801	800-641-4691
Northeast District	4800 Tamko Dr., Frederick, MD 21701	800-368-2066
Southeast District	2300 36th St., Tuscaloosa, AL 35401	800-228-2866
Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1834
Western District	8300 East 43rd Ave., Denver, CO 80216	800-530-8868

07/01

TAMKO

ROOFING PRODUCTS

(CONTINUED from Pg. 2)

• Glass-Seal
• Glass-Seal AR

• Elite Glass-Seal®
• Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a 3.25 piece and applied to shingles with a 5 in. exposure, use 5 fasteners per shingle. See Section 3 for the Mansard Fastening Pattern.

RE-ROOFING

Before re-roofing, be certain to inspect the roof decks. All plywood shall meet the requirements listed in Section 1.

Nail down or remove curled or broken shingles from the existing roof. Replace all missing shingles with new ones to provide a smooth base. Shingles that are buckled usually indicate warped decking or protruding nails. Hammer down all protruding nails or remove them and re-fasten in a new location. Remove all drip edge metal and replace with new.

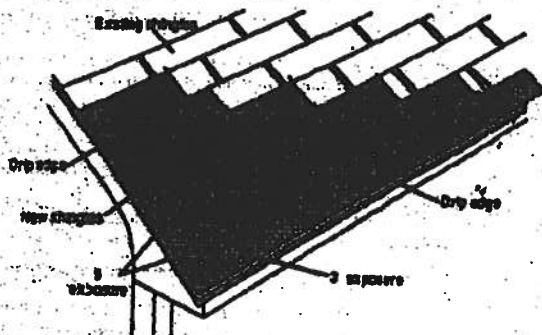
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing underlayment. Contact TAMKO's Technical Services Department for more information.

The nailing pattern described below is the preferred method for re-roofing over square tab strip shingles with a 5 in. exposure.

Starter Course: Begin by using TAMKO Shingle Starter or by cutting shingles into 5 x 36 inch strips. This is done by removing the 5 in. tab from the bottom and approximately 2 in. from the top of the shingles so that the remaining portion is the same width as the exposure of the old shingles. Apply the starter piece so that the self-sealing adhesive lies along the eaves and is even with the existing roof. The starter strip should be wide enough to overhang the eaves and carry water into the gutter. Remove 3 in. from the length of the first starter shingle to ensure that the joints from the old roof do not align with the new.

First Course: Cut off approximately 2 in. from the bottom edge of the shingles so that the shingles fit beneath the existing third course and align with the edge of the starter strip. Start the first course with a full 36 in. long shingle and fasten according to the instructions printed in Section 3.

Second and Subsequent Courses: According to the off-set application method you choose to use, remove the appropriate length from the



take end of the first shingle in each succeeding course. Place the top edge of the new shingle against the butt edge of the old shingles in the courses above. The full width shingle used on the second course will reduce the exposure of the first course to 3 in. The remaining courses will automatically have a 5 in. exposure.

VALLEY APPLICATION

Over the shingle underlayment, center a 36 in. wide sheet of TAMKO Nail-Fast® or a minimum 60 in. roll roofing in the valley. Nail the felt only where necessary to hold it in place and then only nail the outside edges.

IMPORTANT: PRIOR TO INSTALLATION WARM SHINGLES TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES TO FORM VALLEY.

- Apply the first course of shingles along the eaves of one of the intersecting roof planes and across the valley.

Note: For proper flow of water over the trimmed shingle, always start applying the shingles on the roof plane that has the lower slope or less height.

- Extend the end shingle at least 12 in. onto the adjoining roof. Apply succeeding courses in the same manner, extending them across the valley and onto the adjoining roof.
- Do not trim if the shingle length exceeds 12 in. Lengths should vary.
- Press the shingles tightly into the valley.
- Use normal shingle fastening methods.

Note: No fastener should be within 6 in. of the valley centerline, and two fasteners should be placed at the end of each shingle crossing the valley.

- To the adjoining roof plane, apply one row of shingles extending it over previously applied shingles and trim a minimum of 2 in. back from the centerline of the valley.

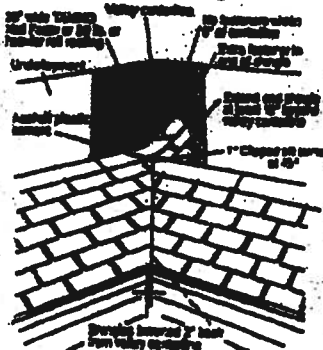
Note: For a master installation, snap a chalkline over the shingles for guidance.

- Clip the upper corner of each shingle at a 45-degree angle and embed the end of the shingle in a 3 in. wide strip of asphalt plastic cement. This will prevent water from penetrating the courses by directing it into the valley.

CAUTION:
Adhesive must be applied in smooth, thin, even layers.

Excessive use of adhesive will cause blistering to this product.

TAMKO assumes no responsibility for blistering.



(Continued)

Visit Our Web Site at
www.tamko.com

Central District 220 West 4th St., Joplin, MO 64801
Northeast District 4900 Tamko Dr., Frederick, MD 21701
Southeast District 2300 35th St., Tuscaloosa, AL 35401
Southwest District 7910 S. Central Exp., Dallas, TX 75216
Western District 5300 East 43rd Ave., Denver, CO 80216

800-841-4891
800-368-2066
800-228-2666
800-443-1834
800-630-8868

07/01



(CONTINUED from Pg. 3)

• Glass-Seal
• Glass-Seal AR

• Elite Glass-Seal®
• Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

FOR ALTERNATE VALLEY APPLICATION METHODS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT.

18. HIP AND RIDGE FASTENING DETAIL.

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener 5-1/2 in. back from the exposed end and 1 in. up from the edge. Do not nail directly into the sealant.

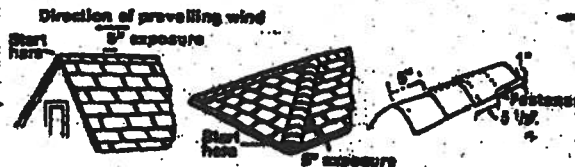
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

NOTE: AR type shingle products should be used as Hip & Ridge on Glass-Seal AR and Elite Glass-Seal AR shingles.

Fasteners should be 1/4 in. longer than the one used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES IN COOL WEATHER.

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.



THIS PRODUCT IS COVERED BY A LIMITED WARRANTY. THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.

IMPORTANT - READ CAREFULLY BEFORE OPENING BUNDLE

In this paragraph "You" and "Your" refer to the installer of the shingles and the owner of the building on which these shingles will be installed. This is a legally binding agreement between You and TAMKO Roofing Products, Inc. ("TAMKO"). By opening this bundle You agree: (a) to install the shingles strictly in accordance with the instructions printed on this wrapper; or (b) that shingles which are not installed strictly in accordance with the instructions printed on this wrapper are sold "AS IS" and are not covered by the limited warranty that is also printed on this wrapper, or any other warranty, including, but not limited to (except where prohibited by law) implied warranties of MERCHANTABILITY and FITNESS FOR USE.

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Central District	220 West 4th St., Joplin, MO 64501
Northeast District	4500 Tamko Dr., Frederick, MD 21701
Southeast District	2300 35th St., Tuscaloosa, AL 35401
Southwest District	7910 S. Central Exp., Dallas, TX 75216
Western District	5300 East 43rd Ave., Denver, CO 80216

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800-388-2066
800-228-2666
800-443-1834
800-530-8868

07/01

I

**AAMA/NWWDA 101/1.9.2-97
TEST REPORT SUMMARY**

Rendered to:

MI HOME PRODUCTS, INC.

**SERIES/MODEL: 650 Fin
TYPE: Aluminum Single Hung Window**

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft ²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
De-glazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.


Mark A. Hesa, Technician

MAH:nb


1 APRIL 2002



II

Architectural Testing

AAMA/NWDA 101/LS-2-97 TEST REPORT

Rendered to

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

Report No: 01-41134.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATT) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethtown, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

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

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 3/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a rusted reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

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

Allen H. R...
1 APRIL 2002



III

Test Specimen Description: (Continued)

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

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

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

Allen H. Reeves
1 APRIL 2002



IV

Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max

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

	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42" 0.43"	0.26" max. 0.26" max.

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

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.
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Allen H. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 5.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"±	0.26" max.
	@ 47.2 psf (negative)	0.46"±	0.26" max.

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

Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)	
@ 67.5 psf (positive)	0.05"
@ 70.8 psf (negative)	0.05"

Allen N. Reeves
1 APRIL 2002



VI

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

For ARCHITECTURAL TESTING, INC:



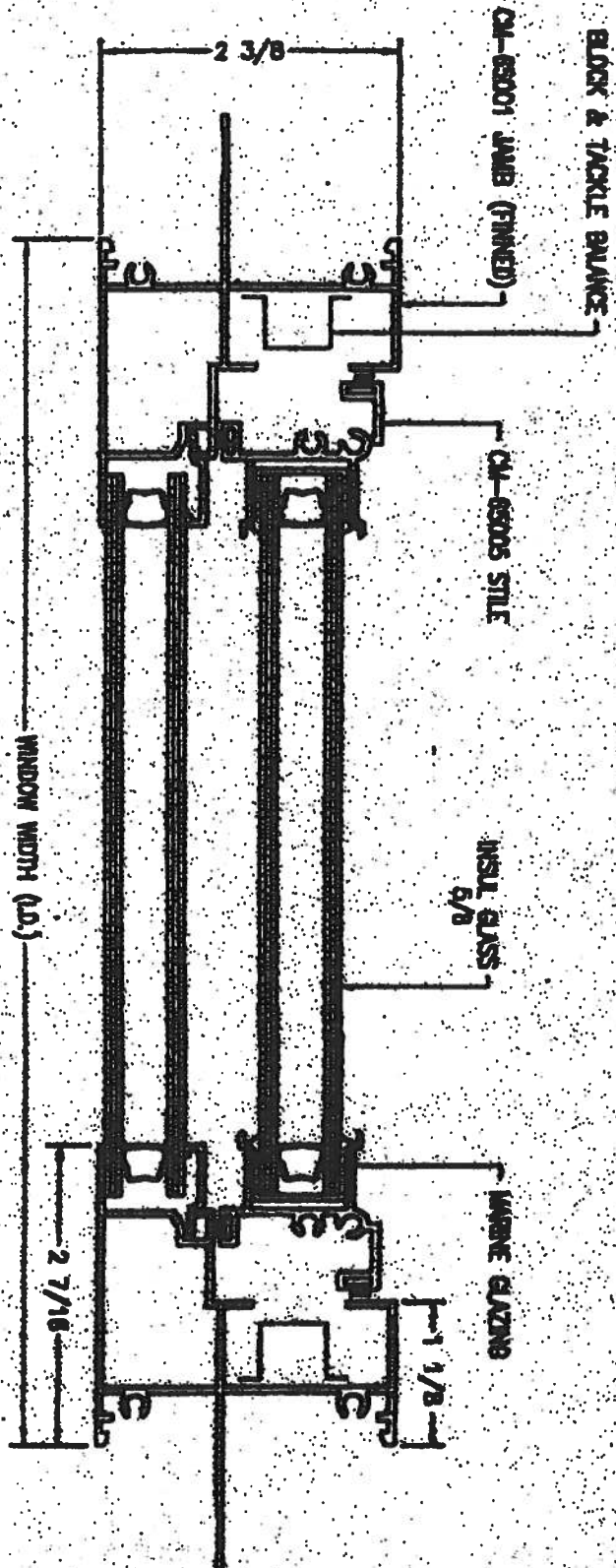
Mark A. Hoss
Technician

MAH:nb
01-41134.01

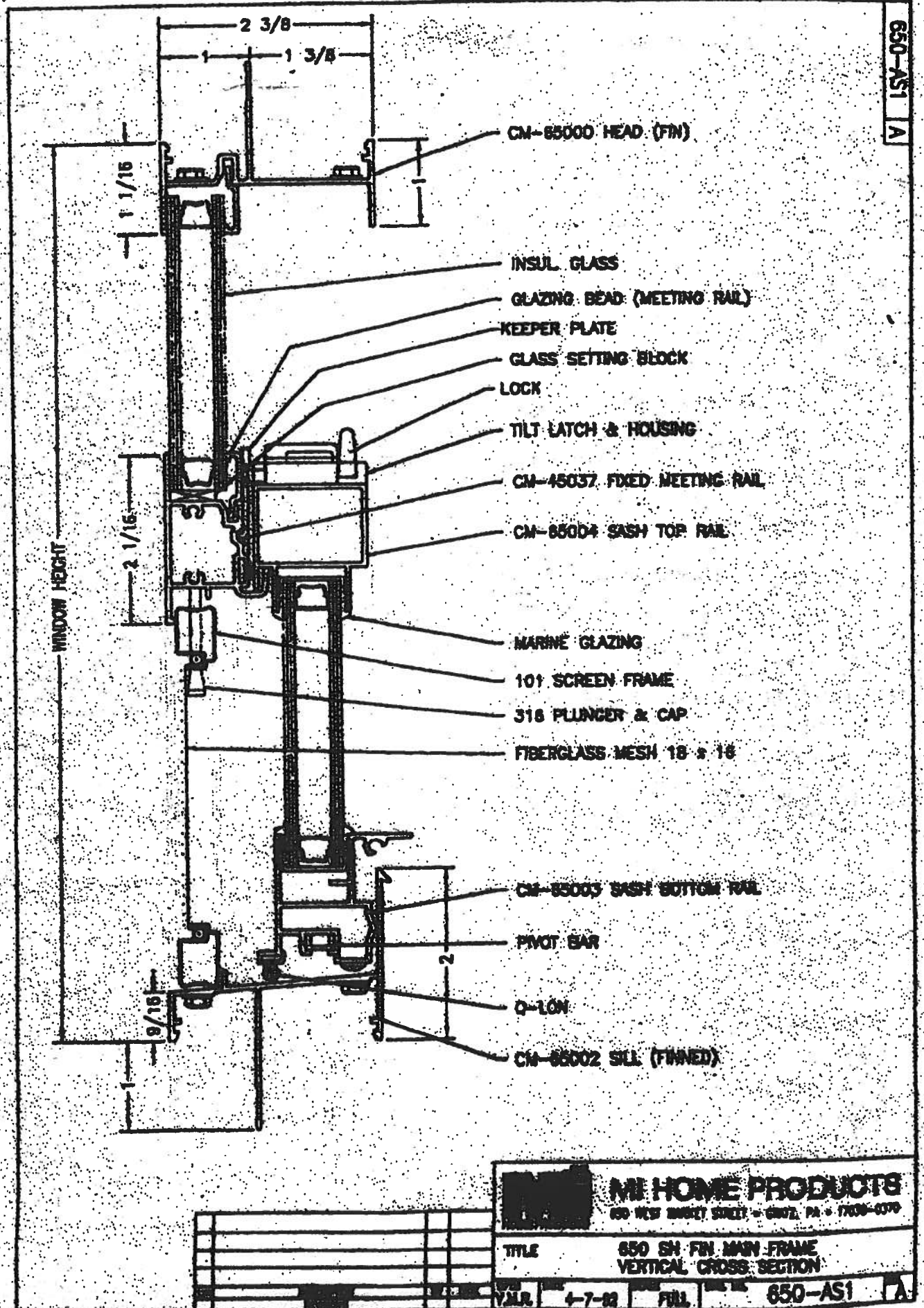


Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002





MI HOME PRODUCTS	
650 SH FIN JAMB FRAME INSULATED	
GLASS HORIZONTAL CROSS SECTION	
DATE	REV
1-5-82	1
650-AS2	8



Residential System Sizing Calculation

Summary

Spec House Lani III
FL

Project Title:
601251 Martin Ben

Class 3 Rating
Registration No. 0
Climate: North

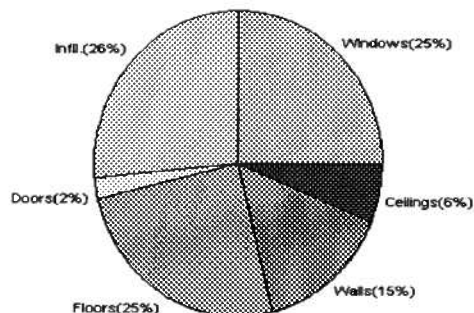
6/9/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	34642 Btuh	Total cooling load calculation	31408 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	115.5 40000	Sensible (SHR = 0.75)	117.6 30000
Heat Pump + Auxiliary(0.0kW)	115.5 40000	Latent	169.8 10000
		Total (Electric Heat Pump)	127.4 40000

WINTER CALCULATIONS

Winter Heating Load (for 1863 sqft)

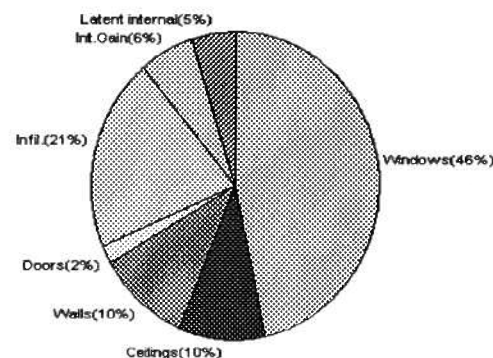
Load component	Load
Window total 270 sqft	8695 Btuh
Wall total 1553 sqft	5100 Btuh
Door total 60 sqft	777 Btuh
Ceiling total 1863 sqft	2195 Btuh
Floor total 202 sqft	8819 Btuh
Infiltration 224 cfm	9056 Btuh
Duct loss	0 Btuh
Subtotal	34642 Btuh
Ventilation 0 cfm	0 Btuh
TOTAL HEAT LOSS	34642 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1863 sqft)

Load component	Load
Window total 270 sqft	14582 Btuh
Wall total 1553 sqft	3239 Btuh
Door total 60 sqft	588 Btuh
Ceiling total 1863 sqft	3085 Btuh
Floor total	0 Btuh
Infiltration 117 cfm	2184 Btuh
Internal gain	1840 Btuh
Duct gain	0 Btuh
Sens. Ventilation 0 cfm	0 Btuh
Total sensible gain	25519 Btuh
Latent gain(ducts)	0 Btuh
Latent gain(infiltration)	4289 Btuh
Latent gain(ventilation)	0 Btuh
Latent gain(internal/occupants/other)	1600 Btuh
Total latent gain	5889 Btuh
TOTAL HEAT GAIN	31408 Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *Ben Spauld*

DATE: *6-9-06*

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House Lani III

Project Title:
601251 Martin Ben

Class 3 Rating
Registration No. 0
Climate: North

6/9/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	34642 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	34642 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)



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Spec House Lani III

Project Title:
601251Martin Ben

Class 3 Rating
Registration No. 0
Climate: North

, FL

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

6/9/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	72.0		32.2	2318 Btuh
2	2, Clear, Metal, 0.87	NW	48.0		32.2	1545 Btuh
3	2, Clear, Metal, 0.87	NE	36.0		32.2	1159 Btuh
4	2, Clear, Metal, 0.87	NE	20.0		32.2	644 Btuh
5	2, Clear, Metal, 0.87	SE	8.0		32.2	258 Btuh
6	2, Clear, Metal, 0.87	SE	22.0		32.2	708 Btuh
7	2, Clear, Metal, 0.87	SE	22.0		32.2	708 Btuh
8	2, Clear, Metal, 0.87	SE	6.1		32.2	196 Btuh
9	2, Clear, Metal, 0.87	SW	36.0		32.2	1159 Btuh
Window Total			270(sqft)			8695 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1377		3.3	4522 Btuh
2	Frame - Wood - Ext(0.09)	13.0	176		3.3	578 Btuh
Wall Total			1553			5100 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		40		12.9	518 Btuh
Door Total			60			777Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1863		1.2	2195 Btuh
Ceiling Total			1863			2195Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	202.0	ft(p)	43.7	8819 Btuh
Floor Total			202			8819 Btuh
Zone Envelope Subtotal:						25586 Btuh
Infiltration	Type	ACH X	Zone Volume		CFM=	Load
	Natural	0.80	16767		223.6	9056 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					34642 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House Lani III

Project Title:
601251 Martin Ben

Class 3 Rating
Registration No. 0
Climate: North

6/9/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	34642 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	34642 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)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House Lani III

Project Title:
601251Martin Ben

Class 3 Rating
Registration No. 0
Climate: North

, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

6/9/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	7ft.	72.0	0.0	72.0	29	60	4323	Btuh	
2	2, Clear, 0.87, None,N,N	NW	7ft.	7ft.	48.0	0.0	48.0	29	60	2882	Btuh	
3	2, Clear, 0.87, None,N,N	NE	1.5ft.	6.5ft.	36.0	0.0	36.0	29	60	2161	Btuh	
4	2, Clear, 0.87, None,N,N	NE	1.5ft.	6ft.	20.0	0.0	20.0	29	60	1201	Btuh	
5	2, Clear, 0.87, None,N,N	SE	5ft.	6ft.	8.0	8.0	0.0	29	63	232	Btuh	
6	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	22.0	22.0	0.0	29	63	637	Btuh	
7	2, Clear, 0.87, None,N,N	SE	1.5ft.	6.5ft.	22.0	7.4	14.6	29	63	1127	Btuh	
8	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	6.1	6.1	0.0	29	63	177	Btuh	
9	2, Clear, 0.87, None,N,N	SW	1.5ft.	6.5ft.	36.0	12.1	23.9	29	63	1844	Btuh	
Window Total						270 (sqft)					14582 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load		
1	Frame - Wood - Ext	13.0/0.09			1376.9			2.1		2872 Btuh		
2	Frame - Wood - Ext	13.0/0.09			176.0			2.1		367 Btuh		
Wall Total						1553 (sqft)					3239 Btuh	
Doors	Type				Area (sqft)			HTM		Load		
1	Insulated - Adjacent				20.0			9.8		196 Btuh		
2	Insulated - Exterior				40.0			9.8		392 Btuh		
Door Total						60 (sqft)					588 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle	30.0			1863.0			1.7		3085 Btuh		
Ceiling Total						1863 (sqft)					3085 Btuh	
Floors	Type	R-Value			Size			HTM		Load		
1	Slab On Grade	0.0			202 (ft(p))			0.0		0 Btuh		
Floor Total						202.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									21495 Btuh		
Infiltration	Type	ACH			Volume(cuft)			CFM=		Load		
	SensibleNatural	0.42			16767			117.4		2184 Btuh		
Internal gain	Occupants			Btuh/occupant			Appliance		Load			
	8			X 230 +			0		1840 Btuh			
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh		
	Sensible Zone Load									25519 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House Lani III

Project Title:
601251Martin Ben

Class 3 Rating
Registration No. 0
Climate: North

, FL

6/9/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	25519 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	25519 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	25519 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4289 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5889 Btuh
	TOTAL GAIN	31408 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

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

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House Lani III

Project Title:
601251Martin Ben

Class 3 Rating
Registration No. 0
Climate: North

, FL

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

6/9/2006

Component Loads for Zone #1: Main

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	7ft.	72.0	0.0	72.0	29	60	4323	Btuh
2	2, Clear, 0.87, None,N,N	NW	7ft.	7ft.	48.0	0.0	48.0	29	60	2882	Btuh
3	2, Clear, 0.87, None,N,N	NE	1.5ft.	6.5ft.	36.0	0.0	36.0	29	60	2161	Btuh
4	2, Clear, 0.87, None,N,N	NE	1.5ft.	6ft.	20.0	0.0	20.0	29	60	1201	Btuh
5	2, Clear, 0.87, None,N,N	SE	5ft.	6ft.	8.0	8.0	0.0	29	63	232	Btuh
6	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	22.0	22.0	0.0	29	63	637	Btuh
7	2, Clear, 0.87, None,N,N	SE	1.5ft.	6.5ft.	22.0	7.4	14.6	29	63	1127	Btuh
8	2, Clear, 0.87, None,N,N	SE	1.5ft.	0ft.	6.1	6.1	0.0	29	63	177	Btuh
9	2, Clear, 0.87, None,N,N	SW	1.5ft.	6.5ft.	36.0	12.1	23.9	29	63	1844	Btuh
Window Total					270 (sqft)					14582 Btuh	
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load			
1	Frame - Wood - Ext	13.0/0.09		1376.9		2.1		2872 Btuh			
2	Frame - Wood - Ext	13.0/0.09		176.0		2.1		367 Btuh			
Wall Total					1553 (sqft)					3239 Btuh	
Doors	Type			Area (sqft)		HTM		Load			
1	Insulated - Adjacent			20.0		9.8		196 Btuh			
2	Insulated - Exterior			40.0		9.8		392 Btuh			
Door Total					60 (sqft)					588 Btuh	
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load			
1	Vented Attic/DarkShingle	30.0		1863.0		1.7		3085 Btuh			
Ceiling Total					1863 (sqft)					3085 Btuh	
Floors	Type	R-Value		Size		HTM		Load			
1	Slab On Grade	0.0		202 (ft(p))		0.0		0 Btuh			
Floor Total					202.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									21495 Btuh	
Infiltration	Type	ACH		Volume(cuft)		CFM=		Load			
	SensibleNatural	0.42		16767		117.4		2184 Btuh			
Internal gain	Occupants		Btuh/occupant		Appliance		Load				
	8		X 230 +		0		1840 Btuh				
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									25519 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House Lani III

Project Title:
601251Martin Ben

Class 3 Rating
Registration No. 0
Climate: North

, FL

6/9/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	25519 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	25519 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	25519 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4289 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5889 Btuh
	TOTAL GAIN	31408 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

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

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Spec House Lani III
, FL

Project Title:
601251 Martin Ben

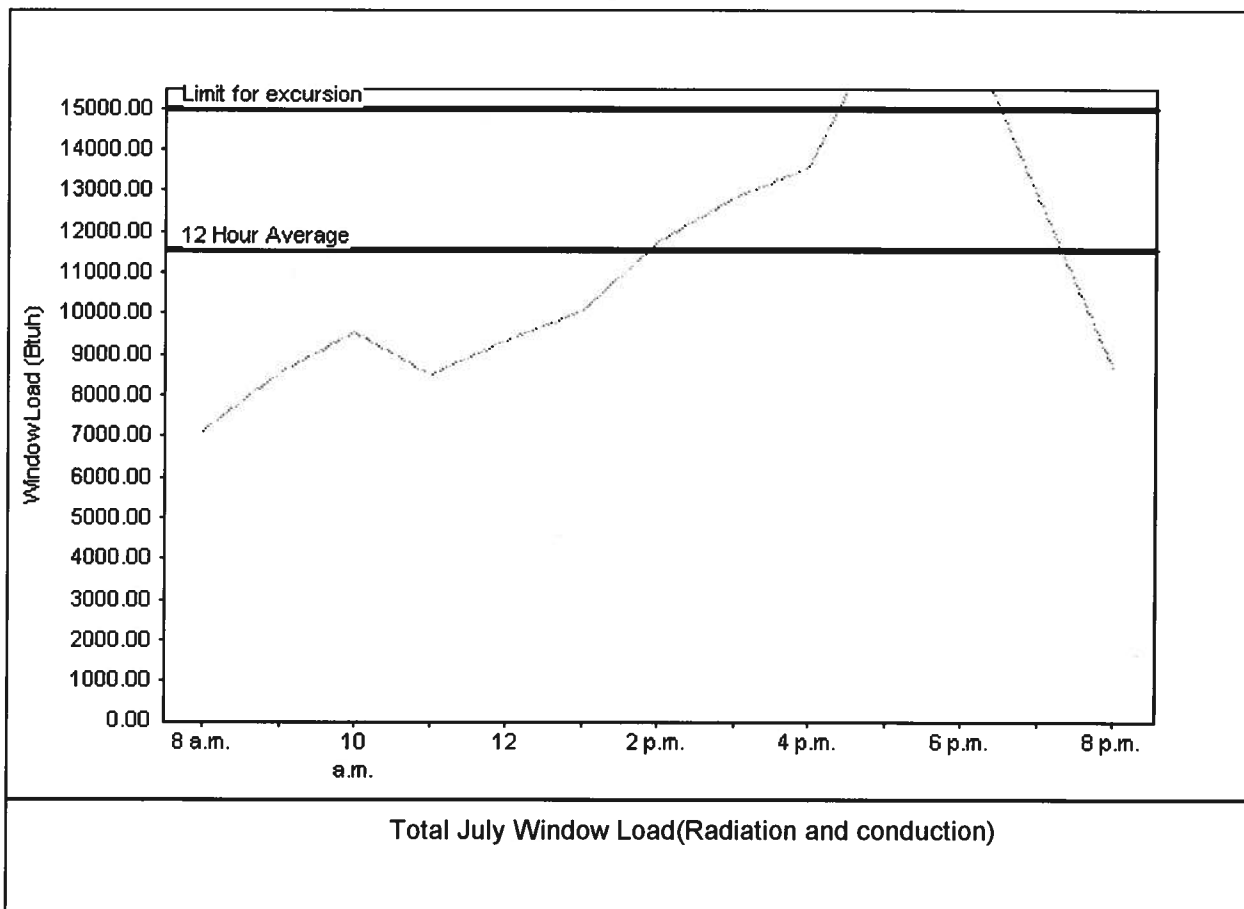
Class 3 Rating
Registration No. 0
Climate: North

6/9/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	11547 Btu
Summer setpoint	75 F	Peak window load for July	17442 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	15011 Btu
Latitude	29 North	Window excursion (July)	2431 Btu/h

WINDOW Average and Peak Loads



This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: [Signature]

DATE: 6-9-06

EnergyGauge® FLR2PB v4.1





BRITT SURVEYING

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

*Land Surveyors
and Mappers*

24661

08/18/06

L-17676

To Whom It May Concern:

C/o: Ben Martin

Re: Lot 16 Rolling Meadows

The elevation of the slab is found to be 109.05 feet. The minimum finished floor elevation is 107.00 feet according to the plat of record. The highest adjacent grade is 108.31 feet and the lowest adjacent grade is 107.35 feet. The elevations shown hereon are based on NGVD 29 datum.

L. Scott Britt
PLS #5757

COLUMBIA COUNTY OFFICE 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 15-4S-16-03023-516

Building permit No. 000024661

Use Classification SFD, UTILITY

Fire: 50.22

Permit Holder BEN MARTIN

Waste: 150.75

Owner of Building MARTIN HOME BUILDERS

Total: 200.97

Location: 453 SW MORNING GLORY DRIVE(ROLLING MEADOWS, LOT 16)

Date: 01/30/2007



Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

24661

Notice of Treatment

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

Address: 536 SE Bay Ave

City Lake City Phone (386) 752-1703

Site Location: Subdivision Rolling Meadows

Lot # Block# Permit #

Address

Product used Active Ingredient % Concentration

☐ Premise Imidacloprid 0.1%☐ Termidor Fipronil 0.12%☒ Bora-Care Disodium Octaborate Tetrahydrate 23.0%

Type treatment:

☐ Soil☒ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

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

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

01-23-07 Date 1145am Time RDC Print Technician's Name

Remarks:

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

©

Notice of Treatment

12158

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

Address: Bay Ave

City Lake City Phone 752-1703

Site Location: Subdivision Rolling Meadows

Lot # 16 Block# Permit # 24661

Address 453 SW Meering (Sloey Dr)

Product used Active Ingredient % Concentration

☐ Premise Imidacloprid 0.1%☐ Termidor Fipronil 0.12%☒ Bora-Care Disodium Octaborate Tetrahydrate 23.0%

Type treatment:

☐ Soil☒ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

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

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

10/5/06 Date 1030 Time F254 GUNNY Print Technician's Name

Remarks:

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

©

BEARING HEIGHT SCHEDULE

9'-0"

10'-0"

OVERHANG
ROOF PITCH(S) 2'-0"
8/12

NOTES:

- 1) REFER TO BID #1 RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING. REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.
- 2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEYS) SHALL BE FULLY BRACED TO DETAIL VIEWS FOR ALTERNATE BRACING REQUIREMENTS.
- 3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
- 4) ALL TRUSSES ARE DESIGNED FOR 2 o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
- 5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
- 6) 5/4x2 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
- 7) ALL ROOF TRUSSES HANGERS TO BE SHIMSON H20x6 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSSES HANGERS TO BE SHIMSON 10x4x12 UNLESS OTHERWISE NOTED.
- 8) BEARING AREA INTER. (ROR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

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

Typical Bearing Data _____

Approved by: _____ Date: _____



PHONE: 904-437-3549 FAX: 904-437-3494
Bumell
PHONE: 904-772-6100 FAX: 904-772-1973
Jacksonville
Lake City
PHONE: 904-755-6094 FAX: 904-755-7973
Sanford
PHONE: 407-322-0059 FAX: 407-322-5553

BUILDER:
MARTIN HOME BUILDERS

LEGAL ADDRESS:
SPEC HOUSE

MODEL: LANI II REVISION: NTS
DATE: 05/23/06 DRAWN BY: JOB # BL L166832

HANGER SCHEDULE

HTU26 (5)

