

DATE 09/29/2006

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000025054

APPLICANT ADALBERTO PADIN PHONE 786 295-0731

ADDRESS 124 SW ROLLING MEADOWS GLEN FT. WHITE FL 32038

OWNER ADALBERTO & MICHELLE PADIN PHONE 786 295-0731

ADDRESS 124 SW ROLLING MEADOWS GLEN FT. WHITE FL 32038

CONTRACTOR OWNER BUILDER PHONE

LOCATION OF PROPERTY 47S, TL ON ROLLING MEADOWS GLEN, 1ST PROPERTY ON CORNER ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 155150.00

HEATED FLOOR AREA 3103.00 TOTAL AREA 3311.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 23

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

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

PARCEL ID 03-6S-16-03767-204 SUBDIVISION SEDGEFIELD

LOT 4 BLOCK PHASE 3 UNIT TOTAL ACRES

000001219

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

CULVERT 06-0839-N BK JH

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

COMMENTS: ACCESS TO BE OFF OF ROLLING MEADOW GLEN,PLAT REQUIRES MFE OF 85'

ELEVATION LETTER REQUIRED

Check # or Cash 181

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 \$ 780.00 CERTIFICATION FEE \$ 16.55 SURCHARGE FEE \$ 16.55

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 913.10

INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0609-53 Date Received 9-21-06 By LH Permit # 1219/25054
 Application Approved by - Zoning Official BLK Date 22.09.06 Plans Examiner OKJTH Date 9-27-06
 Flood Zone Xppld Development Permit ALA Zoning A-3 Land Use Plan Map Category A-3
 Comments Access to be off of Rolling Meadows Glen Pkwy Requires MFE of 95'
170C needed Elevation Letter Required

Applicants Name Linda Roder Phone 752-2281
 Address 387 SW Kemp Ct Lake City FL 32024
 Owners Name Adalberto & Michele Padin Phone 786-295-0731
 911 Address 134 SW Rolling Meadows Glen Ft White, FL 32038
 Contractors Name owner builder Adalberto Padin Phone 786-295-0731
 Address 1929 NE 4th Court Homestead, FL 33033
 Fee Simple Owner Name & Address NA
 Bonding Co. Name & Address NA
 Architect/Engineer Name & Address Daniel Shateen - Nicklester
 Mortgage Lenders Name & Address NA

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy

Property ID Number 03-65-16-03767-204 Estimated Cost of Construction 236 K
 Subdivision Name Sedgefield Phase 3 Lot 4 Block Unit Phase 3
 Driving Directions 47 S. Pass Celebration Church, Turn L on
Rolling Meadows Glen; 1st property on corner on R.)

Type of Construction SFD Number of Existing Dwellings on Property 0
 Total Acreage Lot Size Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 130' Side 150' Side 80' Rear 240'
 Total Building Height 23'-6" Number of Stories 1 Heated Floor Area 3103 Roof Pitch 8-12
TOTAL 3311

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

STATE OF FLORIDA
COUNTY OF COLUMBIA



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

Contractor Signature
Contractors License Number
Competency Card Number
NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me

this day of 20

Personally known or Produced Identification

Linda R. Roder
Notary Signature

03-65-16-03767-000

Rec. \$10.00
Doc. Stamps \$575.00

RETURN TO

U. S. Title
642 N.E. Santa Fe Blvd.
High Springs, FL 32643

USH-3427.

Inst:2006004045 Date:02/20/2006 Time:12:10
Doc Stamp-Deed : 595.00

PARCEL ID# (To be Cut out of R08767-000)
BUYERS TIN#

J. P. DC, P. DeWitt Cason, Columbia County B:1074 P:1672

WARRANTY DEED

THIS INDENTURE, Made this 17th day of February, 2006, BETWEEN SEDGEFIELD LAND COMPANY, a Florida Corporation grantor whose address is 5345 ORTEGA BLVD., SUITE 7, JACKSONVILLE, FL 32210, and ADALBERTO PADIN, JR. and MICHELLE L. PADIN, HUSBAND AND WIFE grantees, whose post-office address is: 1929 NE 4th COURT HOMESTEAD, FL 33033.

[The terms "grantor" and "grantee" herein shall be construed to include all genders and singular or plural as the context indicates.]

WITNESSETH: That said grantor, for and in consideration of the sum of Ten (\$10.00) Dollars, and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs, successors and assigns forever, the following described land, situate, lying and being in COLUMBIA County, Florida, to wit:

Lot 4, of SEDGEFIELD PHASE III, as per plat thereof recorded in Plat Book 8, Pages 60-64, of the Public Records of Columbia County, Florida.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

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

Signed, sealed and delivered
in the presence of:

SEDGEFIELD LAND COMPANY

WITNESS

PATRICIA L. STEVENSON

WITNESS

Heather S. Loveland

BY

Lee D. Wedekind, Jr.
President

STATE OF FLORIDA
COUNTY OF

[CORPORATE SEAL]

The foregoing instrument was acknowledged before me this 17th day of February, 2006, by Lee D. Wedekind, Jr., President of SEDGEFIELD LAND COMPANY on behalf of the corporation. She/He is personally known to me or who has produced a driver's license as identification and who did take an oath.

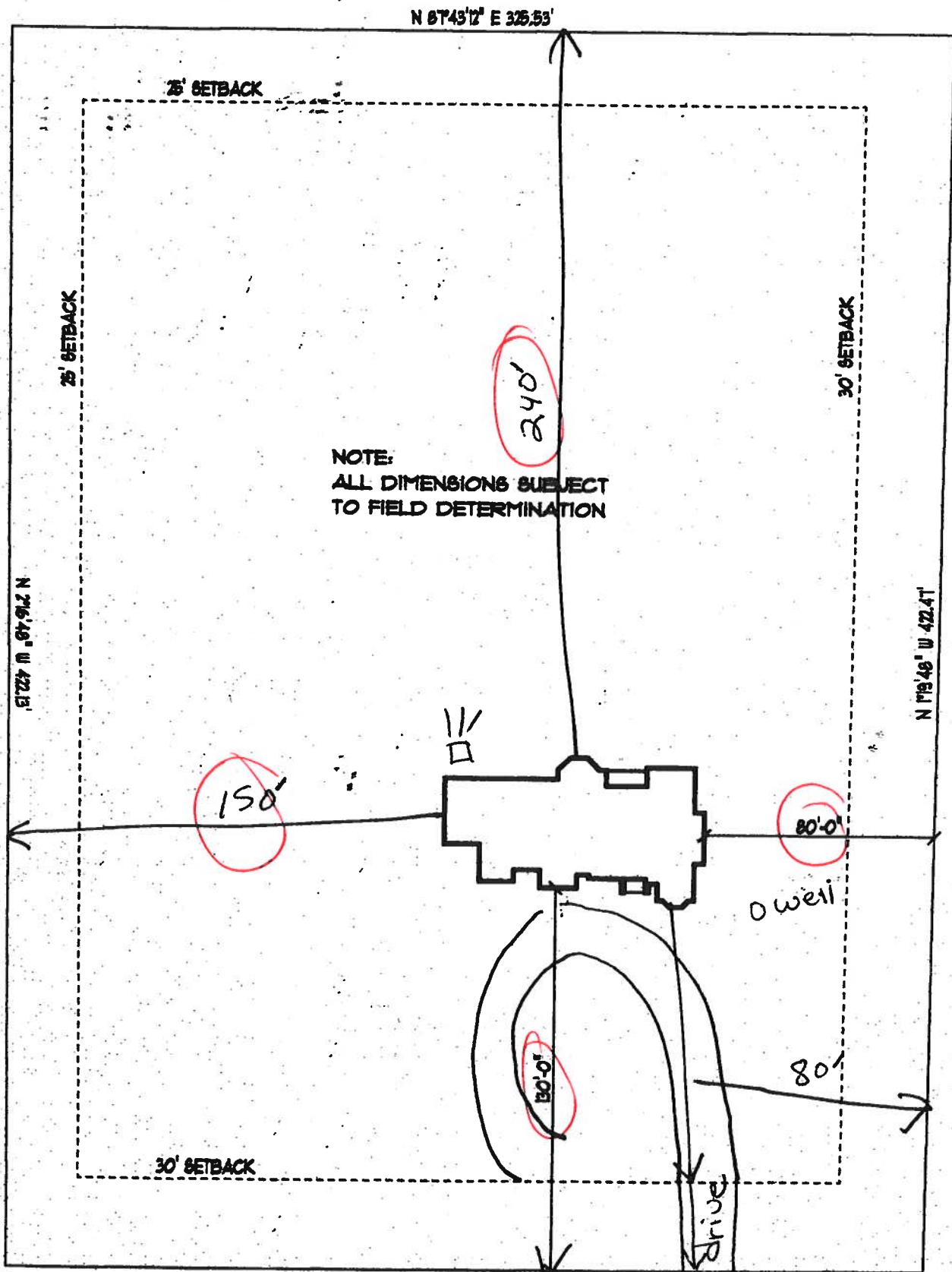
Heather S. Loveland
Notary Public, State of Florida
My Commission Expires
My Commission Number

Notary Public State of Florida
Heather S. Loveland
My Commission DD38857
Expires 03/11/2009

RECORD & RETURN TO:

THIS INSTRUMENT WAS PREPARED BY: JANNETTE S. BOYD, an employee of U.S. TITLE, 642 N.E. SANTA FE BLVD., HIGH SPRINGS, FLORIDA 32643, as a necessary incident to fulfill the requirements of a Title Insurance Binder issued by it. USH-3427.

Adalberto Padin



SITE PLAN

SCALE: 1" = 50'

SEDGEFIELD

PHASE 3/LOT 4

Rolling Meadows Glen

03-6S-16-03767-000

Cut out of this.

NW1/4 EX RD R/W & SW1/4. EX
154.25 AC FOR SEDGEFIELD S/D
AND PHASE 2 ORB 911-1641

SEDFIELD LAND COMPANY
5345 ORTEGA BLVD
STE 7
JACKSONVILLE, FL 32210

03-6S-16-

BUSE 000100 SINGLE FAM	AE? Y	2262 HTD AREA	84.499 INDEX
MOD 1 SFR BATH	1.50	2718 EFF AREA	38.025 E-RATE
EXW 17 CB STUCCO FIXT		103352 RCN	
20% 19 COMMON BRK BDRM	3	70.00 %GOOD	72,346 B BLDG VAL
RSTR 02 SHED RMS			
RCVR 03 COMP SHNGL UNITS		³ FIELD CK:	
% N/A C-W%		³ LOC: --	
INTW 05 DRYWALL HGHT		3	
40% 02 WALL BD/WD PMTR		3 +----21----+	
FLOR 14 CARPET STYS	1.0	3 +----21----+	
20% 06 VINYL ASB ECON		3 1FOP1993 1	
HTTP 04 AIR DUCTED FUNC		3 0 0	
A/C 03 CENTRAL SPCD		3 +-----24-----+--15--+ +-----29.	
QUAL 02 BELOW AVG. DEPR 52		3 +-----24-----+BAS1993	
FNDN N/A N/A		3 IUST1993 I	
SIZE 03 RECTANGLE N/A		3 IFGR1993 I	
CEIL N/A N/A		3 2 2	
ARCH N/A N/A		3 4 4	
FRME 01 NONE N/A		3 I I +-7+	
KTCH N/A N/A		3 +-----24-----+-----29-----+FOP1993--29.	
WDO N/A N/A		3	
CLAS N/A N/A		3	
OCC N/A N/A		3	
COND N/A %		3	
SUB A-AREA % E-AREA SUB VALUE		3	
BAS93 2262 100 2262 60208		3	
FOP93 175 30 53 1411		3	
UST93 192 45 86 2289		3	
FGR93 576 55 317 8438		3	
		3	
		3	
		3	
		3	
		3	

TOTAL 3205 2718 72346

-----EXTRA FEATURES-----

FIELD CK:

AE BN	CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	ADJ	UNITS	U'
Y 1	0180	FPLC 1STRY				1		0000	1.00	1.000	U'
N	0030	BARN, MT				1		0000	1.00	1.000	U'
Y	0297	SHED CONCRET	22	30		1		0000	1.00	1.000	U'
Y	0166	CONC, PAVMT				1		0000	1.00	1.000	U'

LAND DESC ZONE ROAD {UD1 {UD3 FRONT DEPTH FIELD CK:

AE	CODE	TOPO	UTIL	{UD2	{UD4	BACK	DT	ADJUSTMENTS			
Y	000100 SFR	A-1	0002					1.00	1.00	1.00	1.00
			0002	0003							
Y	009900 AC NON-AG	A-1	0002					1.00	1.00	1.00	1.00
			0002	0003							

2006

03-6S-16-03767-000

NW1/4 EX RD R/W & SW1/4. EX SEDGEFIELD LAND COMPANY 03-6S-16-
 154.25 AC FOR SEDGEFIELD S/D 5345 ORTEGA BLVD
 AND PHASE 2 ORB 911-1641 STE 7
 JACKSONVILLE, FL 32210

BUSE	000100	SINGLE	FAM	AE?	Y	360	HTD AREA	73.220	INDEX
MOD	1	SFR	BATH	1.00		372	EFF AREA	32.949	E-RATE
EXW	17	CB	STUCCO	FIXT		12257	RCN		
%	0000000000	BDRM		3		50.00	%GOOD	6,128	B BLDG VAL
RSTR	01	FLAT	RMS						
RCVR	04	BUILT-UP	UNTS						
%	N/A	C-W%							
INTW	05	DRYWALL	HGHT						
30%	02	WALL BD/WD	PMTR						
FLOR	09	PINE WOOD	STYS	1.0					
%	N/A	ECON							
HTTP	01	NONE	FUNC						
A/C	01	NONE	SPCD AP	20.00					
QUAL	01	MINIMUM	DEPR 52						
FNDN	N/A	N/A							
SIZE	03	RECTANGLE	N/A						
CEIL	N/A	N/A							
ARCH	N/A	N/A							
FRME	01	NONE	N/A						
KTCH	N/A	N/A							
WINDO	N/A	N/A							
CLAS	N/A	N/A							
OCC	N/A	N/A							
COND	N/A	%							
SUB	A-AREA	%	E-AREA	SUB	VALUE				
BAS93	360	100	360		5930				
FOP93	40	30	12		198				

TOTAL	400	372	6128	-----									
-----EXTRA FEATURES-----													
AE BN	CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	ADJ	FIELD CK:			
										UNITS U'			

LAND	DESC	ZONE	ROAD	{UD1	{UD3	FRONT	DEPTH	FIELD CK:					
AE	CODE	TOPO	UTIL	{UD2	{UD4	BACK	DT	ADJUSTMENTS					
2006													

FROM :

FRM NO. : 385-755-7822

Sep. 17 2002 01:52PM P1

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4" WELLS



DONALD AND MARY HALL
OWNERS

PHONE (800) 755-7822

FAX (800) 755-7822

LAKE CITY, FLORIDA 33508

904 NW Main Blvd.

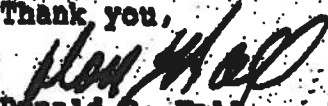
June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphragm tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,


Donald D. Hall
DDH/jk

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: Padin Residence Address: 124 SW Rolling Meadows City, State: Fort White, FL Owner: Albert Padin Climate Zone: North	Builder: EWPL INC Permitting Office: Columbia Permit Number: 25054 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 5 ☐ 5. Is this a worst case? No ☐ 6. Conditioned floor area (ft²) 3103 ft² ☐ 7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default) a. U-factor: Description Area (or Single or Double DEFAULT) 7a. (Dble Default) 280.0 ft² ☐ b. SHGC: (or Clear or Tint DEFAULT) 7b. (Clear) 280.0 ft² ☐ 8. Floor types a. Slab-On-Grade Edge Insulation R=0.0, 311.0(p) ft ☐ b. N/A ☐ c. N/A ☐ 9. Wall types a. Frame, Wood, Exterior R=13.0, 3110.0 ft² ☐ b. N/A ☐ c. N/A ☐ d. N/A ☐ e. N/A ☐ 10. Ceiling types a. Under Attic R=30.0, 3103.0 ft² ☐ b. N/A ☐ c. N/A ☐ 11. Ducts a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 180.0 ft ☐ b. N/A ☐	12. Cooling systems a. Central Unit Cap: 48.0 kBtu/hr ☐ SEER: 13.00 ☐ b. N/A ☐ c. N/A ☐ 13. Heating systems a. Electric Heat Pump Cap: 48.0 kBtu/hr ☐ HSPF: 7.20 ☐ b. N/A ☐ c. N/A ☐ 14. Hot water systems a. Electric Resistance Cap: 50.0 gallons ☐ EF: 0.92 ☐ b. N/A ☐ c. Conservation credits ☐ (HR-Heat recovery, Solar DHP-Dedicated heat pump) 15. HVAC credits ☐ (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)
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Glass/Floor Area: 0.14

Total as-built points: 42490

Total base points: 48397

PASS

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

PREPARED BY: [Signature]

DATE: 9-20-06

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

OWNER/AGENT: [Signature]

DATE: 9-20-06

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.

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 124 SW Rolling Meadows, Fort White, 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.	

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

ADDRESS: 124 SW Rolling Meadows, Fort White, 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
5		2635.00	13175.0	50.0	0.92	5	1.00	2635.00	1.00 13175.0
				As-Built Total:					13175.0

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
18187		17035		13175 48397	12162		17153		13175 42490

PASS

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 124 SW Rolling Meadows, Fort White, FL,

PERMIT #:

BASE				AS-BUILT			
INFILTRATION Area X BWPM = Points				Area X WPM = Points			
3103.0 -0.59 -1830.8				3103.0 -0.59 -1830.8			
Winter Base Points: 27151.1				Winter As-Built Points: 31164.0			
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)			
27151.1 0.6274 17034.6				(sys 1: Electric Heat Pump 48000 btuh ,EFF(7.2) Ducts:Unc(S),Unc(R),Int(AH),R6.0 31164.0 1.000 (1.069 x 1.169 x 0.93) 0.474 1.000 17153.4 31164.0 1.00 1.162 0.474 1.000 17153.4			

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 124 SW Rolling Meadows, Fort White, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ormt Len Hgt Area X WPM X WOF = Points						
.18	3103.0	12.74	7115.8	Double, Clear	N	1.5	7.0	72.0	24.58	1.00	1772.3
				Double, Clear	N	1.5	5.0	8.0	24.58	1.00	197.4
				Double, Clear	N	1.5	9.0	48.0	24.58	1.00	1180.3
				Double, Clear	N	1.5	7.0	18.0	24.58	1.00	443.1
				Double, Clear	NE	1.5	7.0	12.0	23.57	1.00	283.9
				Double, Clear	NW	1.5	7.0	12.0	24.30	1.00	292.1
				Double, Clear	W	1.5	3.0	16.0	20.73	1.08	359.4
				Double, Clear	W	1.5	7.0	24.0	20.73	1.02	505.6
				Double, Clear	S	1.5	7.0	90.0	13.30	1.07	1285.2
				Double, Clear	S	7.0	7.0	24.0	13.30	2.73	871.7
				Double, Clear	S	1.5	7.0	24.0	13.30	1.07	342.7
				Double, Clear	S	7.0	7.0	24.0	13.30	2.73	871.7
				Double, Clear	S	1.5	7.0	12.0	13.30	1.07	171.4
				Double, Clear	SE	1.5	7.0	24.0	14.71	1.07	377.4
				Double, Clear	SW	1.5	7.0	24.0	16.74	1.04	418.7
				As-Built Total:				432.0		9372.8	
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		3110.0	3.40		10574.0	
Exterior	3110.0	3.70	11507.0								
Base Total:		3110.0	11507.0	As-Built Total:				3110.0	10574.0		
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Insulated			60.0	8.40		504.0	
Exterior	100.0	12.30	1230.0	Exterior Insulated			40.0	8.40		336.0	
Base Total:		100.0	1230.0	As-Built Total:				100.0	840.0		
CEILING TYPESArea X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	3103.0	2.05	6361.1	Under Attic	30.0		3103.0	2.05 X 1.00		6361.1	
Base Total:		3103.0	6361.1	As-Built Total:				3103.0	6361.1		
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	311.0(p)	8.9	2767.9	Slab-On-Grade Edge Insulation	0.0		311.0(p)	18.80		5846.8	
Raised	0.0	0.00	0.0								
Base Total:			2767.9	As-Built Total:				311.0	5846.8		

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 124 SW Rolling Meadows, Fort White, FL,

PERMIT #:

BASE				AS-BUILT						
INFILTRATION Area X BSPM = Points				Area X SPM = Points						
3103.0 10.21 31681.6				3103.0 10.21 31681.6						
Summer Base Points: 42633.0				Summer As-Built Points: 40717.4						
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (System - Points)	X System Multiplier (DM x DSM x AHU)	X Credit Multiplier	= Cooling Points
42633.0		0.4266	18187.2	(sys 1: Central Unit 48000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS) 40717 1.00 (1.09 x 1.147 x 0.91) 0.263 1.000 12162.0 40717.4 1.00 1.138 0.263 1.000 12162.0						

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

ADDRESS: 124 SW Rolling Meadows, Fort White, FL,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Overhang Type/SC Omt Len Hgt Area X SPM X SOF = Points							
.18	3103.0	20.04	11193.1	Double, Clear	N	1.5	7.0	72.0	19.20	0.96	1320.2
				Double, Clear	N	1.5	5.0	8.0	19.20	0.92	140.6
				Double, Clear	N	1.5	9.0	48.0	19.20	0.98	899.2
				Double, Clear	N	1.5	7.0	18.0	19.20	0.96	330.1
				Double, Clear	NE	1.5	7.0	12.0	29.56	0.94	334.8
				Double, Clear	NW	1.5	7.0	12.0	25.97	0.95	295.2
				Double, Clear	W	1.5	3.0	16.0	38.52	0.73	449.9
				Double, Clear	W	1.5	7.0	24.0	38.52	0.94	868.1
				Double, Clear	S	1.5	7.0	90.0	35.87	0.89	2887.5
				Double, Clear	S	7.0	7.0	24.0	35.87	0.52	448.1
				Double, Clear	S	1.5	7.0	24.0	35.87	0.89	770.0
				Double, Clear	S	7.0	7.0	24.0	35.87	0.52	448.1
				Double, Clear	S	1.5	7.0	12.0	35.87	0.89	385.0
				Double, Clear	SE	1.5	7.0	24.0	42.75	0.92	942.5
				Double, Clear	SW	1.5	7.0	24.0	40.16	0.92	886.4
				As-Built Total:				432.0		11405.8	
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		3110.0		1.50 4665.0	
Exterior	3110.0	1.70	5287.0								
Base Total:		3110.0	5287.0	As-Built Total:				3110.0		4665.0	
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Insulated				60.0		4.10 246.0	
Exterior	100.0	6.10	610.0	Exterior Insulated				40.0		4.10 164.0	
Base Total:		100.0	610.0	As-Built Total:				100.0		410.0	
CEILING TYPES Area X BSPM = Points				Type		R-Value		Area X SPM X SCM = Points			
Under Attic	3103.0	1.73	5368.2	Under Attic		30.0		3103.0		1.73 X 1.00 5368.2	
Base Total:		3103.0	5368.2	As-Built Total:				3103.0		5368.2	
FLOOR TYPES Area X BSPM = Points				Type		R-Value		Area X SPM = Points			
Slab	311.0(p)	-37.0	-11507.0	Slab-On-Grade Edge Insulation		0.0		311.0(p)		-41.20 -12813.2	
Raised	0.0	0.00	0.0								
Base Total:		-11507.0		As-Built Total:				311.0		-12813.2	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.2

The higher the score, the more efficient the home.

Albert Padin, 124 SW Rolling Meadows, Fort White, FL,

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 48.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	5	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft²)	3103 ft²		
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: 48.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 280.0 ft²		HSPF: 7.20
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 280.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 311.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.92
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 3110.0 ft²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 3103.0 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 180.0 ft		
b. N/A			

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

Builder Signature: _____ Date: _____

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



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

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

Janice

Alberto Padin

0609-53STATE OF FLORIDA
DEPARTMENT OF HEALTH

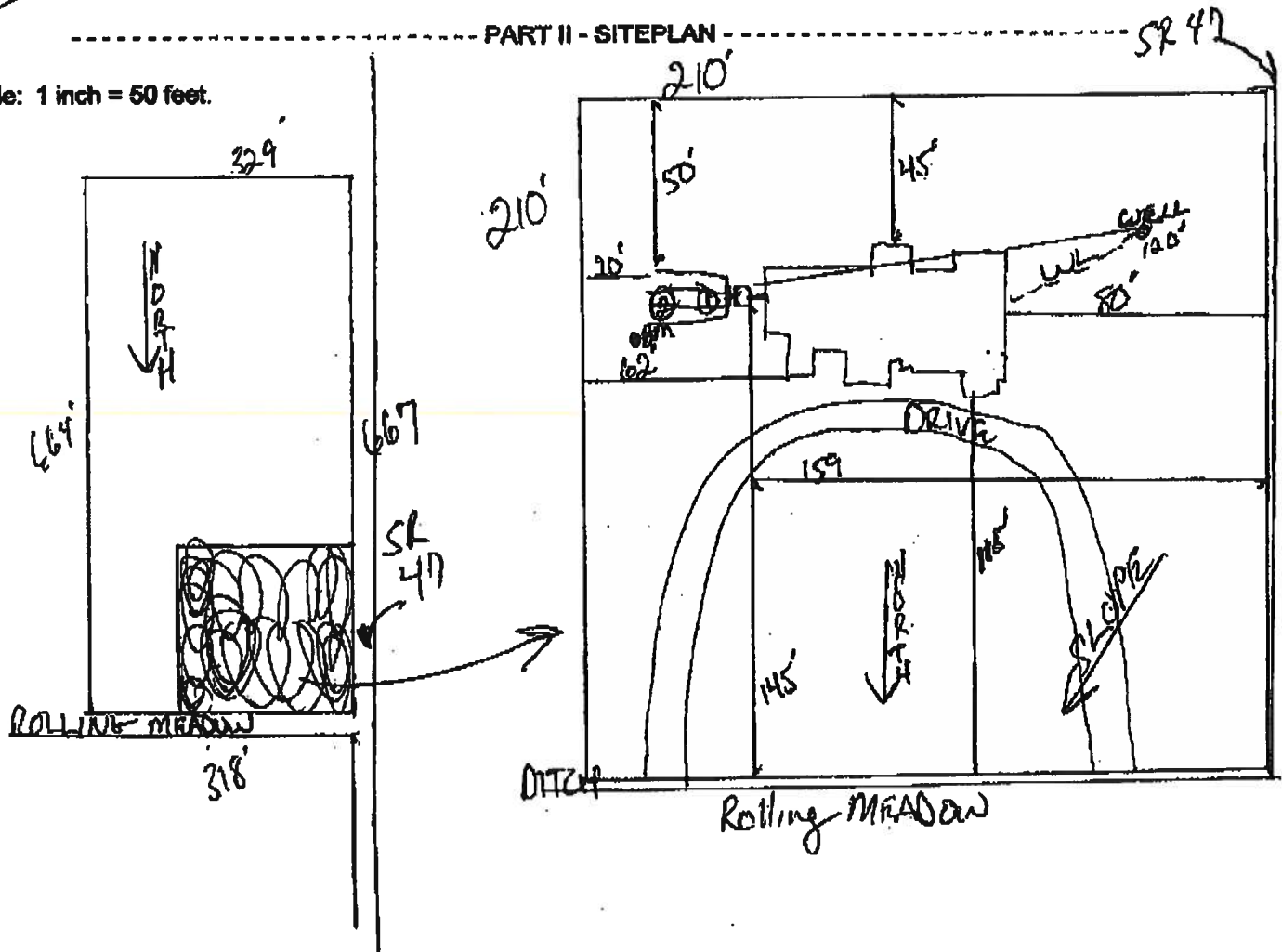
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number

06-0839N

----- PART II - SITEPLAN -----

Scale: 1 inch = 50 feet.



Notes:

Site Plan submitted by:

Rock D 7-0

MASTER CONTRACTOR

Plan Approved ☒Not Approved ☐Date 9/26/06

By

Mr. A. 2Columbia

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/98 (Replaces HRS-H Form 4016 which may be used)
(Stock Number: 5744-002-4015-8)

Page 2 of 4

DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

- ☐ Single Family Dwelling
☐ Farm Outbuilding
☐ New Construction
☐ Two-Family Residence
☐ Other _____
☐ Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

I _____, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

X
Signature

9-11-06
Date

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date _____ Building Official/Representative _____

25054

Notice of Treatment

12328

Applicator: **Florida Pest Control & Chemical Co. (www.flapest.com)**Address: BAYA AVECity: LAKE CITY Phone: 752 1703Site Location: Subdivision Rolling MeadowsLot # 4 Block# Permit # Address 124 SE Rolling Meadows ElyProduct usedActive 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

Dwelling3311290300

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 _____.

1/25/07
Date1045
TimeF254 GUNNY
Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

©

25054

Eduardo Rodriguez Jr., P.E.
6200 SW 67 Avenue
South Miami, FL 33143
P-786-326-6501
F-305-662-6881

August 6, 2007

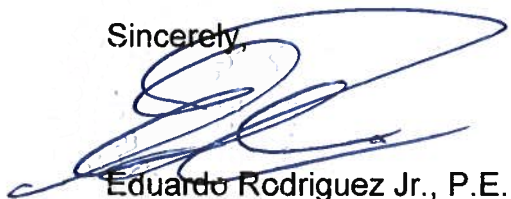
RE: Home of Adalberto Padin Jr.
124 SW Rolling Meadows Glen
Lot 4 of Sedgefield Phase 3

To Whom It May Concern:

I have visited the site described above, reviewed the survey, and read the surveyors letter dated August 1, 2007. In addition, I have visually inspected the property and taken elevations around the perimeter of the home and property line.

After taking into account all of the aforementioned information, it is my opinion that the existing grade around the dwelling will allow drainage/runoff to flow away from the structure. Although the current grades are acceptable, any changes or future grading must maintain a drainage/runoff flow away from the structure.

Sincerely,

A handwritten signature in blue ink, appearing to be 'Eduardo Rodriguez Jr.', written over a horizontal line.

Eduardo Rodriguez Jr., P.E.
License No. 56197

**Mark D. Duren and
Associates, Inc.**
Professional Surveyor And Mapper

120 NW Burk Ave Suite 103
Lake City, FL 32025
386-758-9831 Phone
386-758-8010 Fax

August 1, 2007

To Whom It May Concern:

Dear Sir or Madam:

I am writing this letter at the request of Adalberto Padin, Jr., owner of Lot 4 of Sedgefield Phase 3, a subdivision as per plat thereof recorded in plat book 8 pages 60-64 of the public records of Columbia County, Florida.

The elevation of the finished floor of the dwelling constructed on Lot 4 is 84.40 feet based on vertical control established from the Benchmark referenced on the plat of Sedgefield Phase 3. The referenced benchmark is a Florida Department of Transportation bronze disk set in a concrete monument stamped BM#8 2902007 elev. 76.27 feet.

The plat of Sedgefield Phase 3 indicates a Minimum Finished Floor Elevation for Lot 4 of 85 feet. The actual floor elevation of the constructed dwelling is 0.6 feet lower than the Minimum Finished Floor Elevation specified on the plat. The dwelling is constructed on a concrete slab and appears to be frame construction with stucco finished siding.

According to additional elevations taken around the dwelling the finished floor is at least 0.5 feet above the highest finished grade around the home. The home appears to sit on the highest portion of this lot. The elevation of the ground 100 feet, more or less, south of the home is 83 feet. The ground elevation 100 feet, more or less, east of the home is 82 feet. The elevation of the centerline of SW Rolling Meadows Glen (on north side of lot) in front of the dwelling is 79 feet and the elevation of SR 47 on the west side of the dwelling is 81 feet. This indicates that the grading pattern around the dwelling is such that there is a positive flow of water away from the dwelling.

According to the plat there are no areas of flooding on this lot or the lots adjacent to it on the east and south. There is an area of potential flooding on Lot 3 across SW Rolling Meadows Glen. However the Minimum Finished Floor Elevation for Lot 3 is 80.0 feet which indicates that the minimum floor elevation of Lot 4 is not based on a flood hazard from this low area on lot 3.

It is my opinion that with the current grading pattern there should not be a problem with water draining away from the dwelling. However changes to the adjacent grading around the home could disrupt the current drainage pattern and cause problems in the future. All future grading and construction around the home must maintain a positive flow away from the dwelling.

Sincerely,



MARK D. DUREN
Professional Surveyor and Mapper
LS 4708

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001219

DATE 09/29/2006 PARCEL ID # 03-6S-16-03767-204

APPLICANT ADALBERTO PADIN PHONE 786 295-0731

ADDRESS 124 SW ROLLING MEADOWS GLEN FT. WHITE FL 32038

OWNER ADALBERTO & MICHELLE PADIN PHONE 786 295-0731

ADDRESS 124 SW ROLLING MEADOWS GLEN FT. WHITE FL 32038

CONTRACTOR OWNER BUILDER PHONE _____

LOCATION OF PROPERTY 47S, TL ON ROLLING MEADOWS GLEN, 1ST PROPERTY ON CORNER ON
RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT SEDGEFIELD 4 3

SIGNATURE _____

INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

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

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



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

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

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

Amount Paid 25.00



NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

***** THIS DOCUMENT MUST BE RECORDED AT THE COUNTY
CLERKS OFFICE BEFORE YOUR FIRST INSPECTION. *****

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

Tax Parcel ID Number 03-65-16-03767-204

PERMIT NUMBER 000025054

1. Description of property: (legal description of the property and street address or 911 address)
SEDFIELD SUBDIVISION LOT 4 PHASE 3
LYING BEING AND SITUATE IN A PART OF
SECTION 03, TOWNSHIP 6 SOUTH RANGE 16
EAST COLUMBIA COUNTY FLORIDA 124 SW
ROLLING MEADOWS GLEN. Fort White Fl. 32038
2. General description of improvement: NEW CONSTRUCTION (HOUSE)
3. Owner Name & Address Adalberto Michelle Padin 10602 SW
SR47 Fort White Fl. 32038 Interest in Property OWNER
4. Name & Address of Fee Simple Owner (if other than owner): _____
5. Contractor Name Adalberto Padin Phone Number 352-224-8841
Address 10602 SW SR47 Fort White Fl. 32038
6. Surety Holders Name _____ Phone Number _____
Address _____
Amount of Bond _____
7. Lender Name _____ Inst: 2007000656 Date: 01/09/2007 Time: 11:28
Address A. F. DC, P. DeWitt Cason, Columbia County B: 1107 P: 1002
8. Persons within the State of Florida designated by
served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name _____ Phone Number _____
Address _____
9. In addition to himself/herself the owner designates _____ of
_____ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee _____
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording,
(Unless a different date is specified) 1/10/08

NOTICE AS PER CHAPTER 713, Florida Statutes:

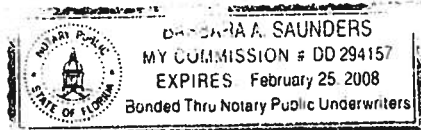
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

[Signature]
Signature of Owner

Sworn to (or affirmed) and subscribed before
day of January, 2007 9th

NOTARY STAMP/SEAL

Barbara C Saunders
Signature of Notary



Provided 71.7 DCAAD
as PD 249-0

COLUMBIA COUNTY OR CALVINY

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 03-6S-16-03767-204

Building permit No. 000025054

Use Classification SFD, UTILITY

Fire: 77.00

Permit Holder OWNER BUILDER

Waste: 201.00

Owner of Building ADALBERTO & MICHELLE PADIN

Total: 278.00

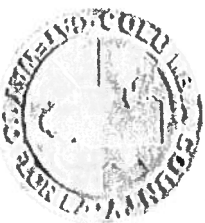
Location: 124 SW ROLLING MEADOWS GLN, SEDGEFIELD LOT 4 PH 3

Date: 10/15/2007

Tony Bickel

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



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 6 fasteners per shingle. See Section 3 for the Mansard Fastening Pattern.

5. 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.

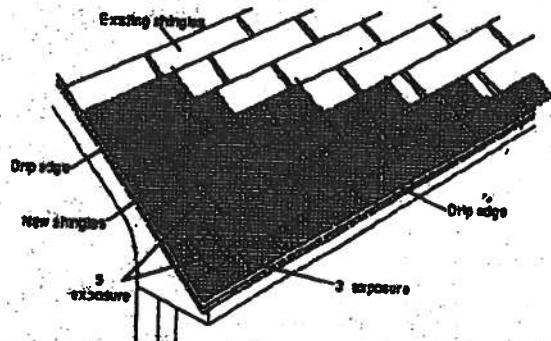
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing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

The nesting procedure 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. tabs 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.

Final 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 Succeeding Courses: According to the off-set application method you choose to use, remove the appropriate length from the



rake 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.

5. VALLEY APPLICATION

Over the shingle underlayment, center a 36 in. wide sheet of TAMKO Nail-Fast® or a minimum 50 lb. roll roofing in the valley. Nail the fast 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.

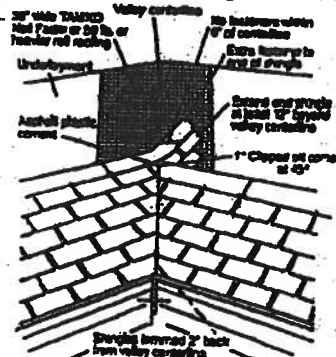
Note: For a neater installation, snap a chalkline over the shingles for guidance.

- 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 between 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
Northeast District
Southeast District
Southwest District
Western District

220 West 4th St., Joplin, MO 64801
4500 Tamko Dr., Frederick, MD 21701
2300 35th St., Tuscaloosa, AL 35401
7910 S. Central Exp., Dallas, TX 75216
5300 East 43rd Ave., Denver, CO 80216

800-841-4691
800-368-2055
800-228-2656
800-443-1834
800-530-8868

07/01



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.

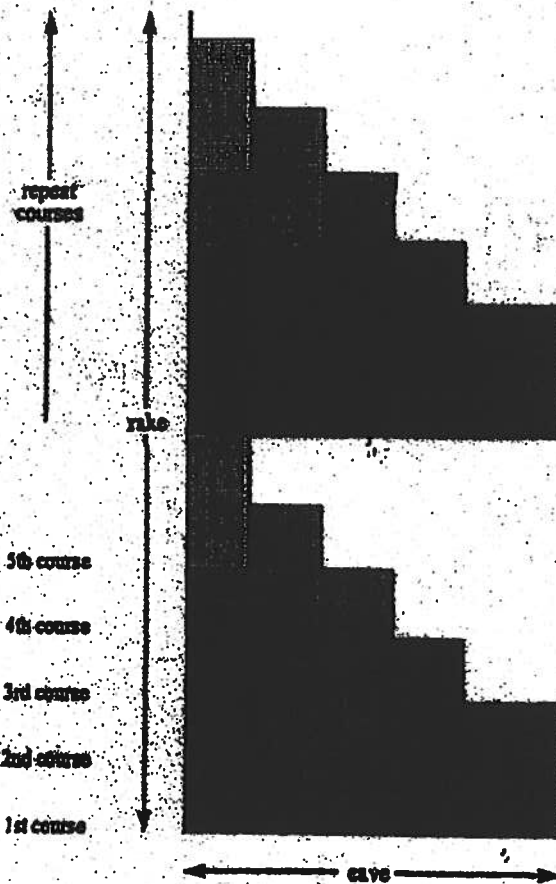
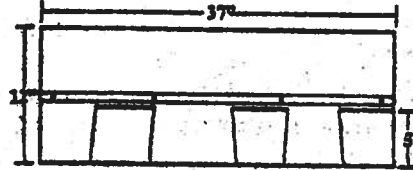
Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

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
 - Elite Glass-Seal®
 - Glass-Seal AR
 - 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 ridges.

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 be 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 at 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. FASTENERS

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

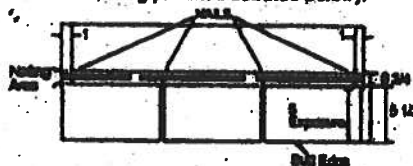
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These

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.

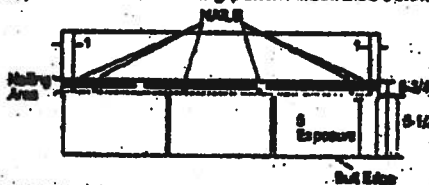
Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or 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 8-3/4" 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
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	8300 East 43rd Ave., Denver, CO 80216

800-841-4691
800-368-2066
800-228-2886
800-443-1834
800-530-8868

07/01

**AAMA/NWDA 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. Hess, Technician

MAH:alb


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. (ATI) 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

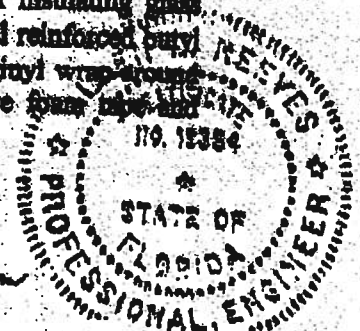
Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal 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 N. Ramey
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 N. 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/L.S. 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)

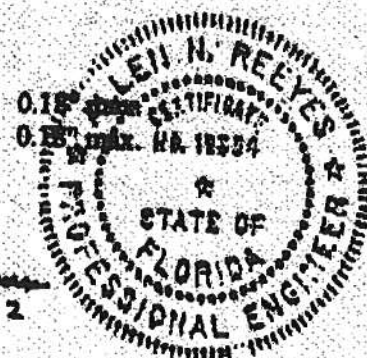
<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	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 = 6.00 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 H. 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:



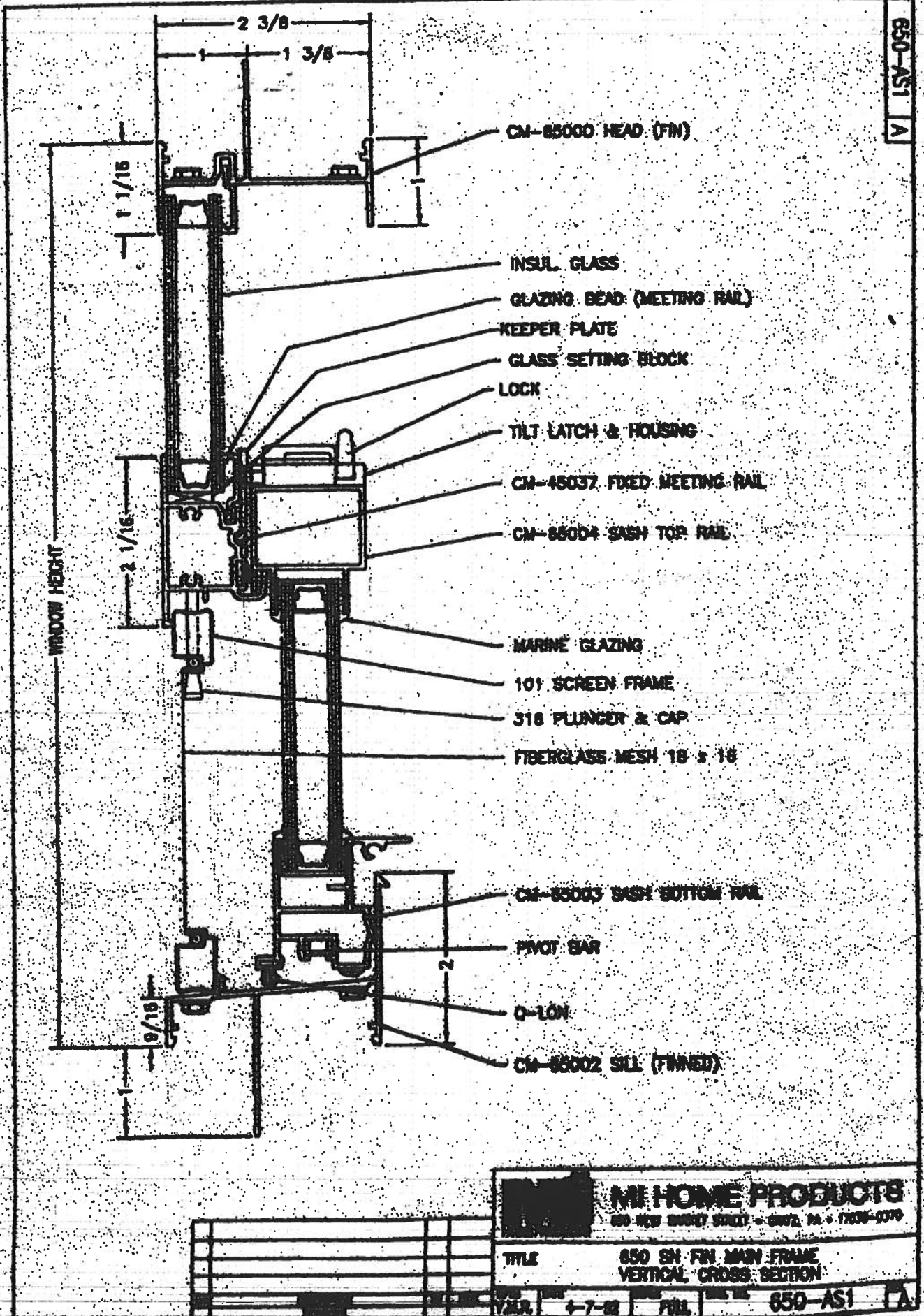
Mark A. Hess
Technician

MAH:nib
01-41134.01



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





MI HOME PRODUCTS

650 WEST BUCKLEY STREET - GAITHERSBURG, PA - 17030-0070

TITLE

650 SH FIN MAIN FRAME
VERTICAL CROSS SECTION

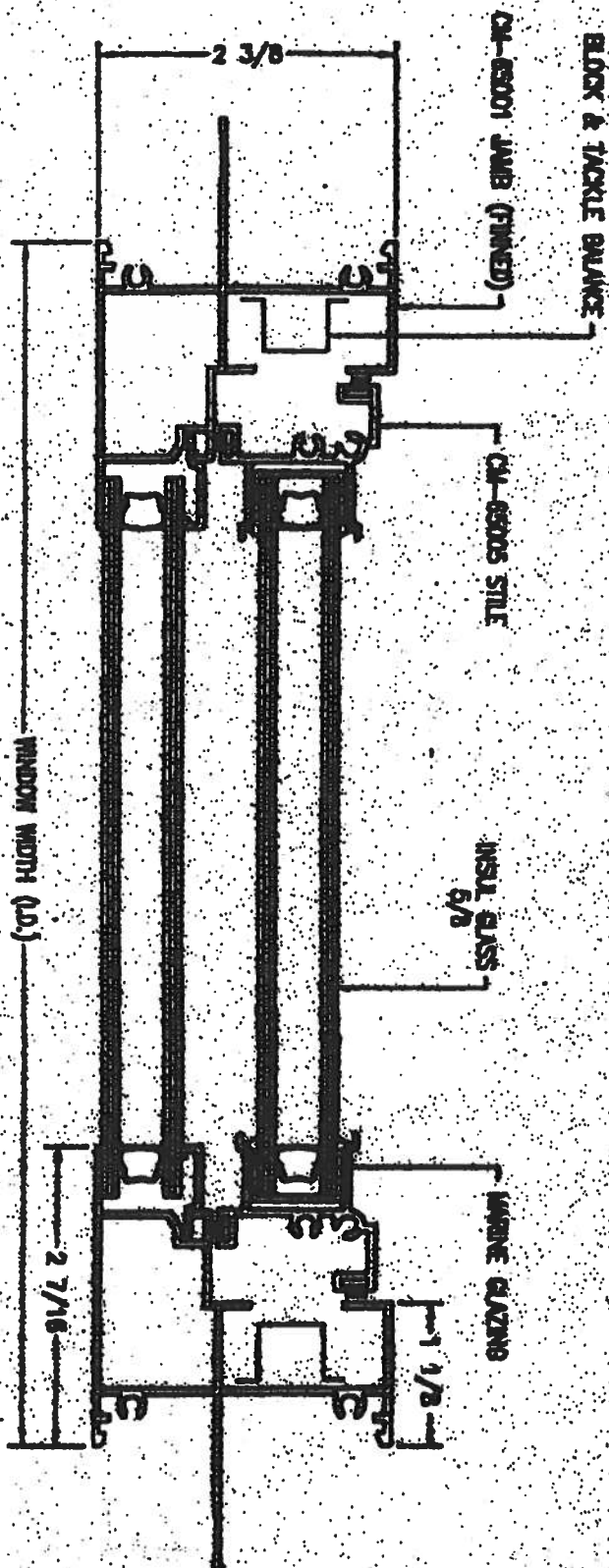
DATE

4-7-82

FILE

650-SH1

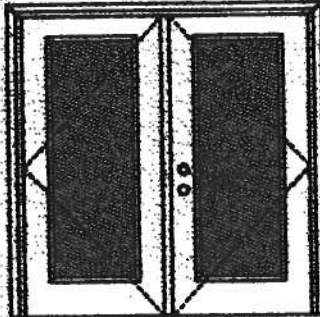
PA



MI HOME PRODUCTS	
850 SH FIN JAMB FINED INSULATED	
GLASS HORIZONTAL CROSS SECTION	
DATE	4-7-02
BY	ALL
850-AS2	8

XX**Glazed Outswing Unit**

COP WL-JAN102-02

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

Double Door
Maximum unit size - 6'0" x 6'0"

Design Pressure
+40.5/-40.5

United water column 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 6'0".

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



130, 135 Series



135 Series



600 Series



322 Series

1/2 GLASS:

105 Series*



105, 100 Series*



120 Series*



200 Series*



12 RL, 23 RL, 34 RL Series*



107 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
EntrySystems

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

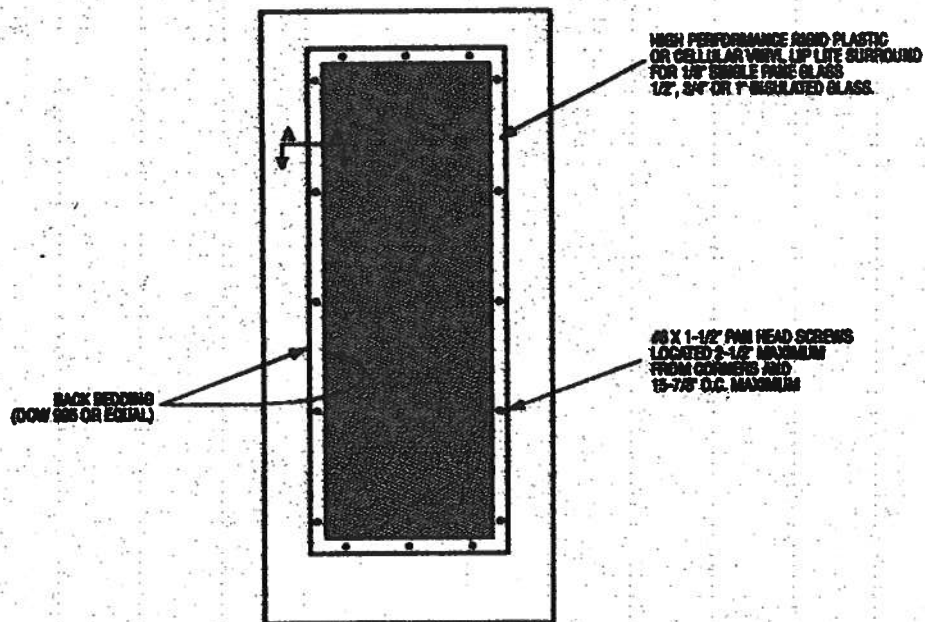
PREMIERE
Premium Quality Doors



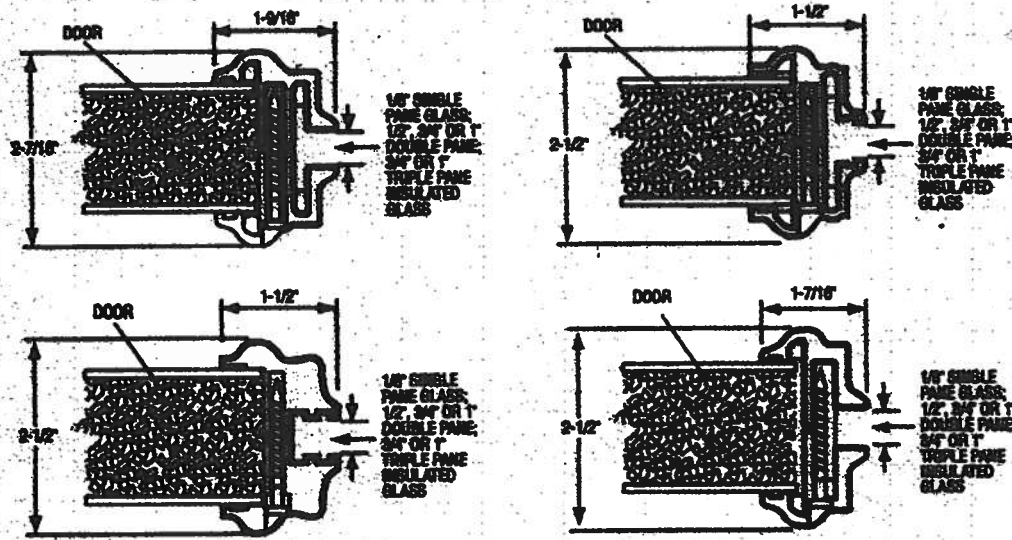
Exclusively from

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 JMS102-02

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

404 Series



410 Series



420 Series

FULL GLASS:

100 Series

114, 120, 122
Series

132 Series



140 Series



300 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).

Kurt L. Bath

State of Florida, Professional Engineer
Kurt Bathazor, P.E. - License Number 66533

Johnson
EntrySystems

March 28, 2002
Our continuing program of product improvement makes specifications, designs and product detail subject to change without notice.

PREMIER Edition
Premium Quality Doors



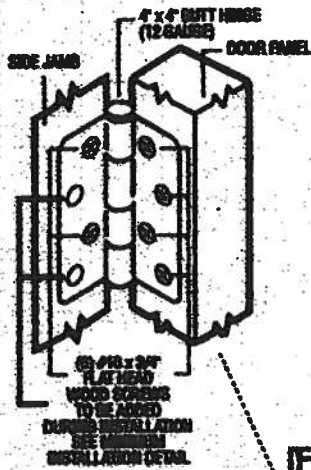
Exclusively from

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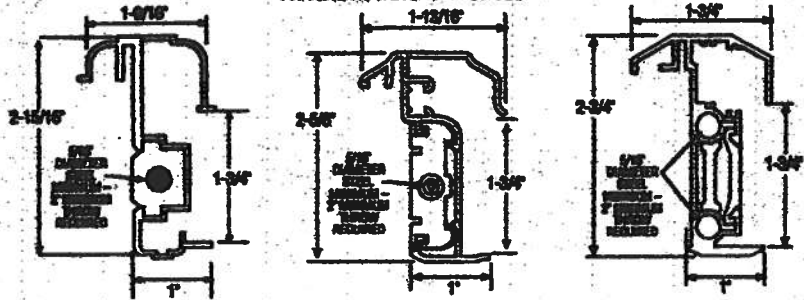
XX
Unit

**OUTSWING UNITS WITH
DOUBLE DOOR**

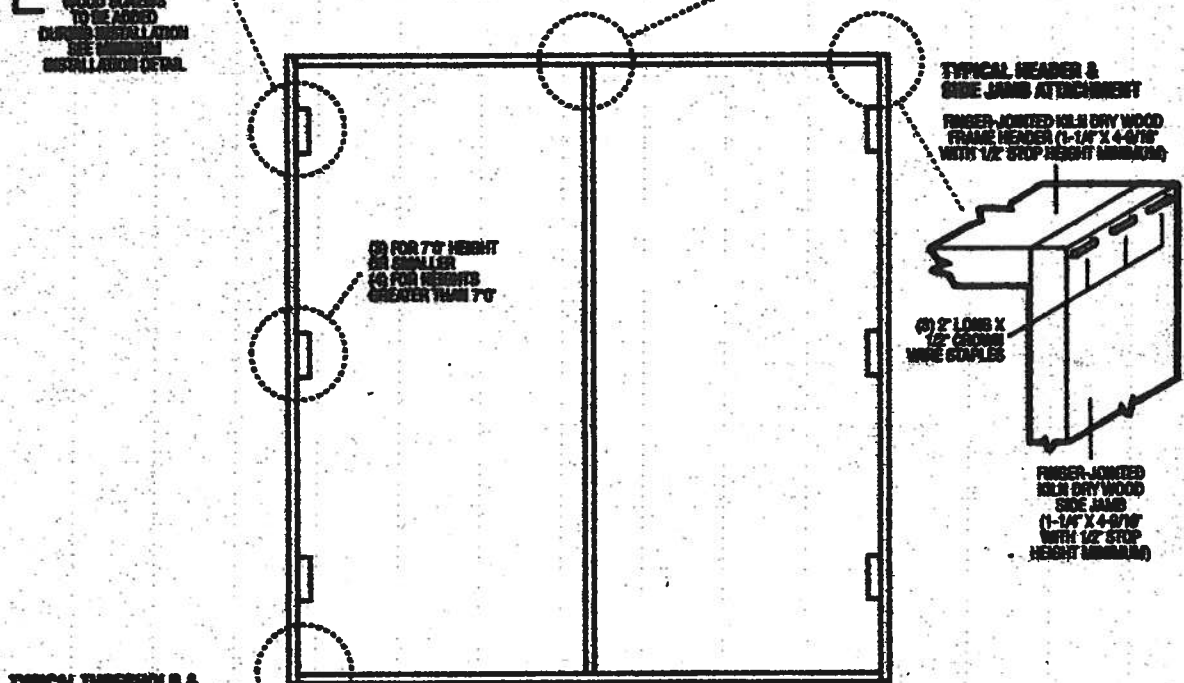
TYPICAL HINGE ATTACHMENT



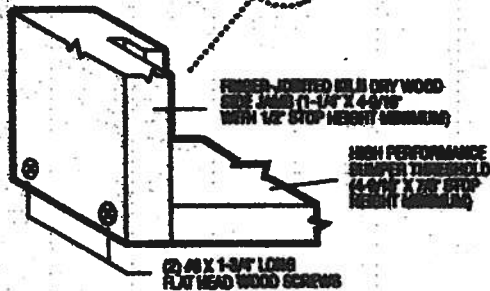
TYPICAL ASTRAGAL PROFILES



ALUMINUM EXTRUDED ASTRAGAL (0.05\"/>



**TYPICAL THRESHOLD &
SIDE JAMB ATTACHMENT**



March 20, 2002
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design and product detail subject to change without notice.

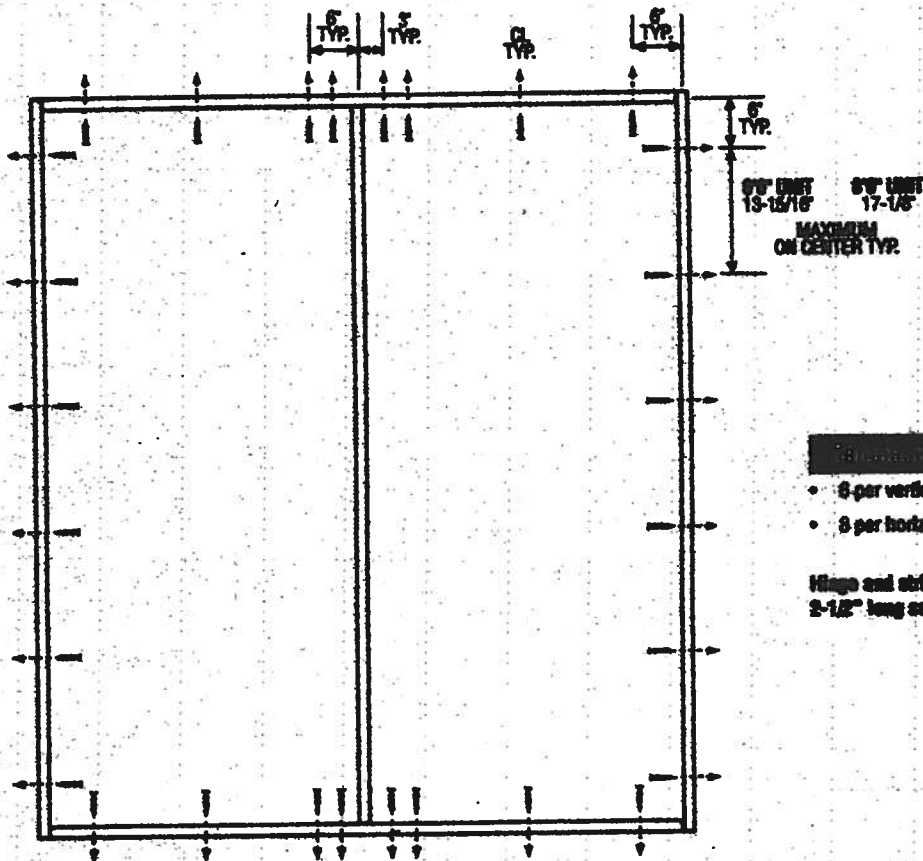


Exclusively from
Masonite
Masonite International Corporation

XX
Unit

MID-WI-MAS007-02

DOUBLE DOOR



- 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 #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/APA & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade County approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

March 29, 2002

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

PREMIER
Premium Quality Doors



Exclusively from

Masonite
Masonite International Corporation

Residential System Sizing Calculation

Summary

Albert Padin
124 SW Rolling Meadows
Fort White, FL

Project Title:
Padin Residence

Code Only
Professional Version
Climate: North

9/20/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)

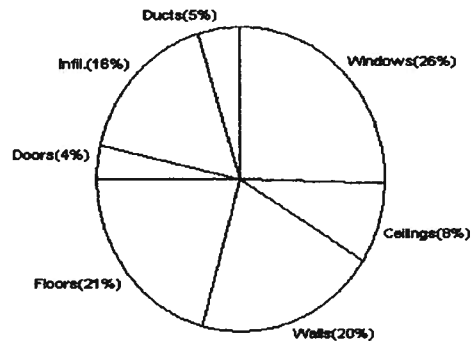
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)

Winter design temperature	31 F	Summer design temperature	93 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	18 F
Total heating load calculation	47609 Btuh	Total cooling load calculation	47330 Btuh
Submitted heating capacity	48000 Btuh	Submitted cooling capacity	48000 Btuh
Submitted as % of calculated	100.8 %	Submitted as % of calculated	101.4 %

WINTER CALCULATIONS

Winter Heating Load (for 3103 sqft)

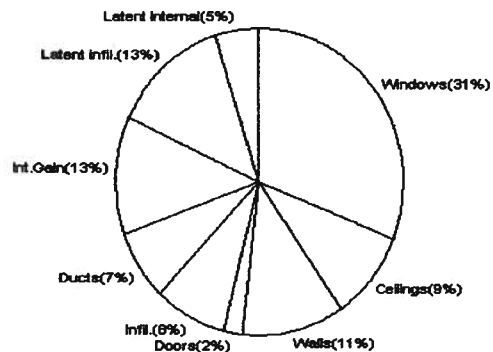
Load component		Load	
Window total	432 sqft	12226	Btuh
Wall total	3110 sqft	9641	Btuh
Door total	100 sqft	1833	Btuh
Ceiling total	3103 sqft	4034	Btuh
Floor total	311 ft	9828	Btuh
Infiltration	181 cfm	7781	Btuh
Subtotal		45342	Btuh
Duct loss		2267	Btuh
TOTAL HEAT LOSS		47609	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 3103 sqft)

Load component		Load	
Window total	432 sqft	14795	Btuh
Wall total	3110 sqft	5411	Btuh
Door total	100 sqft	1014	Btuh
Ceiling total	3103 sqft	4406	Btuh
Floor total		0	Btuh
Infiltration	181 cfm	3591	Btuh
Internal gain		6000	Btuh
Subtotal(sensible)		35218	Btuh
Duct gain		3522	Btuh
Total sensible gain		38740	Btuh
Latent gain(infiltration)		6290	Btuh
Latent gain(internal)		2300	Btuh
Total latent gain		8590	Btuh
TOTAL HEAT GAIN		47330	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY:

DATE: 9-20-06

Manual J Winter Calculations

Residential Load - Component Details (continued)

Albert Padin
124 SW Rolling Meadows
Fort White, FL

Project Title:
Padin Residence

Code Only
Professional Version
Climate: North

9/20/2006

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

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

System Sizing Calculations - Winter

Residential Load - Component Details

Albert Padin
124 SW Rolling Meadows
Fort White, FL

Project Title:
Padin Residence

Code Only
Professional Version
Climate: North

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

9/20/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	72.0	28.3	2038 Btuh
2	2, Clear, Metal, DEF	N	8.0	28.3	226 Btuh
3	2, Clear, Metal, DEF	N	48.0	28.3	1358 Btuh
4	2, Clear, Metal, DEF	N	18.0	28.3	509 Btuh
5	2, Clear, Metal, DEF	NE	12.0	28.3	340 Btuh
6	2, Clear, Metal, DEF	NW	12.0	28.3	340 Btuh
7	2, Clear, Metal, DEF	W	16.0	28.3	453 Btuh
8	2, Clear, Metal, DEF	W	24.0	28.3	679 Btuh
9	2, Clear, Metal, DEF	S	90.0	28.3	2547 Btuh
10	2, Clear, Metal, DEF	S	24.0	28.3	679 Btuh
11	2, Clear, Metal, DEF	S	24.0	28.3	679 Btuh
12	2, Clear, Metal, DEF	S	24.0	28.3	679 Btuh
13	2, Clear, Metal, DEF	S	12.0	28.3	340 Btuh
14	2, Clear, Metal, DEF	SE	24.0	28.3	679 Btuh
15	2, Clear, Metal, DEF	SW	24.0	28.3	679 Btuh
Window Total			432		12226 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	3110	3.1	9641 Btuh
Wall Total			3110		9641 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		60	18.3	1100 Btuh
2	Insulated - Exter		40	18.3	733 Btuh
Door Total			100		1833Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	3103	1.3	4034 Btuh
Ceiling Total			3103		4034Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	311.0 ft(p)	31.6	9828 Btuh
Floor Total			311		9828 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.35	31030(sqft)	181	7781 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				181	7781 Btuh

Totals for Heating	Subtotal	45342 Btuh
	Duct Loss(using duct multiplier of 0.05)	2267 Btuh
	Total Btuh Loss	47609 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Albert Padin
124 SW Rolling Meadows
Fort White, FL

Project Title:
Padin Residence

Code Only
Professional Version
Climate: North

9/20/2006

Totals for Cooling	Subtotal	35218 Btuh
	Duct gain(using duct multiplier of 0.10)	3522 Btuh
	Total sensible gain	38740 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	6290 Btuh
	Latent occupant gain (10 people @ 230 Btuh per person)	2300 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	47330 Btuh

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

System Sizing Calculations - Summer

Residential Load - Component Details

Albert Padin
124 SW Rolling Meadows
Fort White, FL

Project Title:
Padin Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 18.0 F

9/20/2006

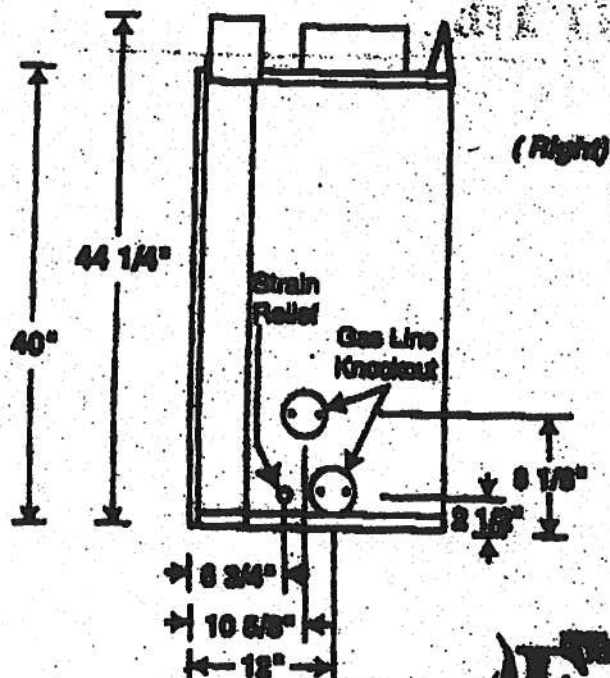
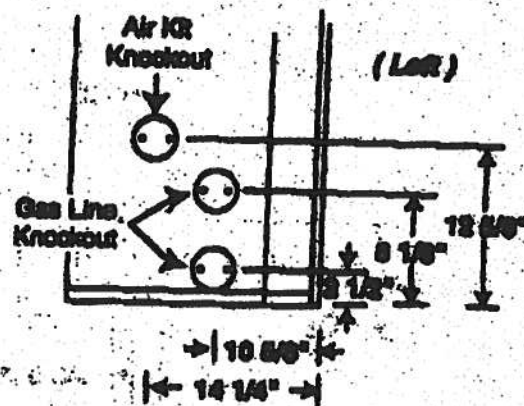
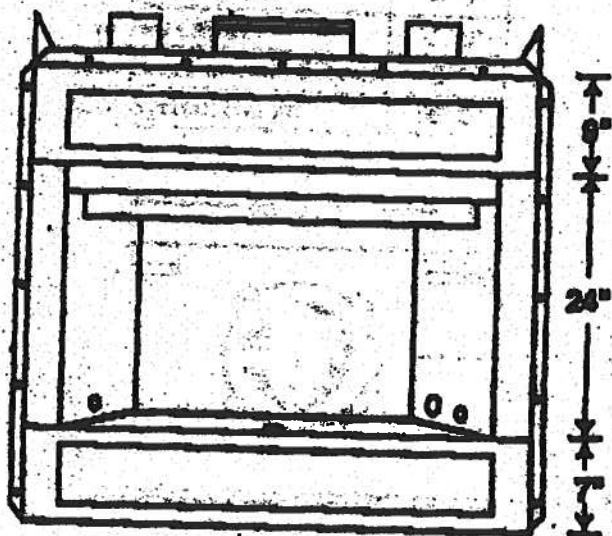
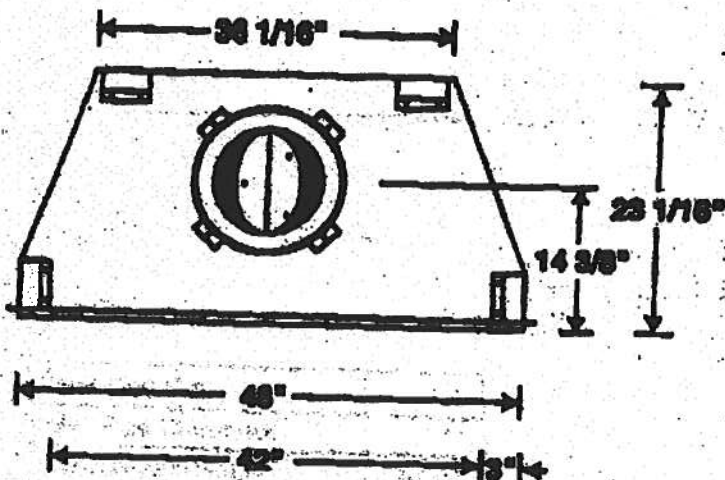
Window	Type	Ornt	Overhang		Window Area(sqft)			HTM		Load
	Panes/SHGC/U/InSh/ExSh		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, DEF, N, N	N	1.5	7	72.0	0.0	72.0	22	22	1584 Btuh
2	2, Clear, DEF, N, N	N	1.5	5	8.0	0.0	8.0	22	22	176 Btuh
3	2, Clear, DEF, N, N	N	1.5	9	48.0	0.0	48.0	22	22	1056 Btuh
4	2, Clear, DEF, N, N	N	1.5	7	18.0	0.0	18.0	22	22	396 Btuh
5	2, Clear, DEF, N, N	NE	1.5	7	12.0	0.0	12.0	22	50	600 Btuh
6	2, Clear, DEF, N, N	NW	1.5	7	12.0	0.0	12.0	22	50	600 Btuh
7	2, Clear, DEF, N, N	W	1.5	3	16.0	1.0	15.0	22	72	1103 Btuh
8	2, Clear, DEF, N, N	W	1.5	7	24.0	0.5	23.5	22	72	1704 Btuh
9	2, Clear, DEF, N, N	S	1.5	7	90.0	18.0	72.0	22	37	3060 Btuh
10	2, Clear, DEF, N, N	S	7	7	24.0	12.0	12.0	22	37	708 Btuh
11	2, Clear, DEF, N, N	S	1.5	7	24.0	24.0	0.0	22	37	528 Btuh
12	2, Clear, DEF, N, N	S	7	7	24.0	24.0	0.0	22	37	528 Btuh
13	2, Clear, DEF, N, N	S	1.5	7	12.0	12.0	0.0	22	37	264 Btuh
14	2, Clear, DEF, N, N	SE	1.5	7	24.0	6.1	17.9	22	62	1244 Btuh
15	2, Clear, DEF, N, N	SW	1.5	7	24.0	6.1	17.9	22	62	1244 Btuh
Window Total					432					14795 Btuh
Walls	Type	R-Value		Area		HTM		Load		
	1	Frame - Exterior	13.0		3110.0		1.7		5411 Btuh	
Wall Total					3110.0			5411 Btuh		
Doors	Type	R-Value		Area		HTM		Load		
	1	Insulated - Exter	60.0		10.1		608 Btuh			
2	Insulated - Exter	40.0		10.1		406 Btuh				
Door Total					100.0			1014 Btuh		
Ceilings	Type/Color	R-Value		Area		HTM		Load		
	1	Under Attic/Dark	30.0		3103.0		1.4		4406 Btuh	
Ceiling Total					3103.0			4406 Btuh		
Floors	Type	R-Value		Size		HTM		Load		
	1	Slab-On-Grade Edge Insulation	0.0		311.0 ft(p)		0.0		0 Btuh	
Floor Total					311.0			0 Btuh		
Infiltration	Type	ACH		Volume		CFM=		Load		
	Natural	0.35		31030		181.4		3591 Btuh		
	Mechanical					0		0 Btuh		
Infiltration Total					181			3591 Btuh		

Internal gain	Occupants		Btuh/occupant		Appliance	Load		
	10		X	300		+	3000	6000 Btuh

Craftsman

42" Woodburning Fireplace

Vent Pipe Size	10"
Min. Pipe Clearance	1"
Min. System Height	14' 6"
- w/ Single Offset	14' 6"
- w/ Two Offsets	22' 0"
Max. Dist. Between Elbows	6' 0"
Max. System Height	60' 0"

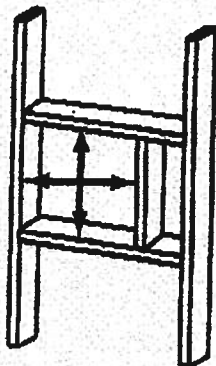


Victorian

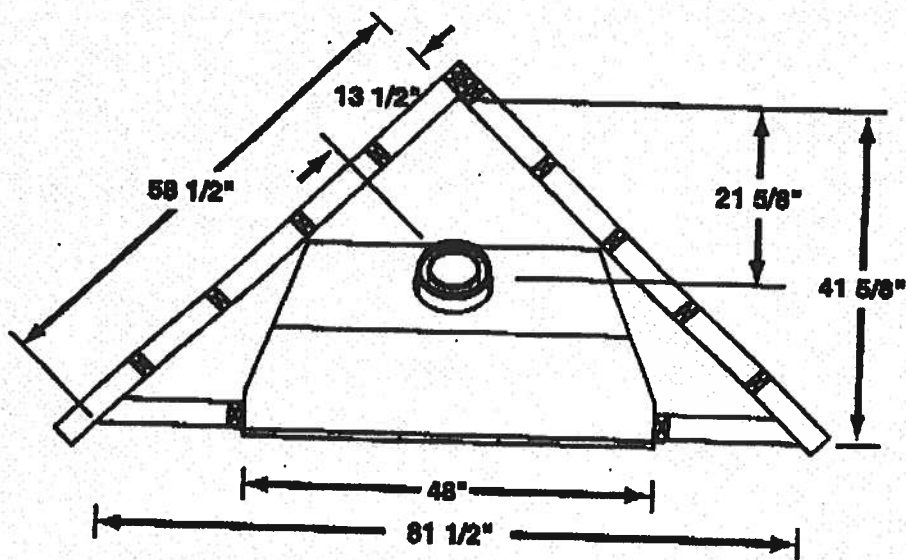
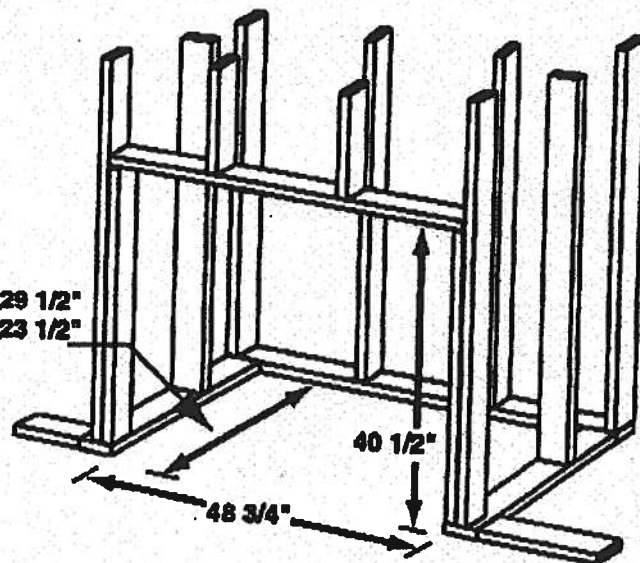
42" Direct Vent Fireplace

Framing Dimensions

Vent Opening - 10 3/4" Square (I.D.)



Vertical Termination - 29 1/2"
Horizontal Termination - 23 1/2"



NOTE:

Built-in Features Such as Mantels, Bookshelves, etc. Made of Combustible Materials Must Maintain Minimum Clearances from the Fireplace. See Installation Instructions for Complete Information

Albert Padua

ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

EFFECTIVE MARCH 1, 2002

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

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
☒	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☒	☐	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☒	☐	<u>Site Plan including:</u>
		a) Dimensions of lot
		b) Dimensions of building set backs
		c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
		d) Provide a full legal description of property.
☒	☐	<u>Wind-load Engineering Summary, calculations and any details required</u>
		a) Plans or specifications must state compliance with FBC Section 1606
		b) The following information must be shown as per section 1606.1.7 FBC
		a. Basic wind speed (MPH)
		b. Wind importance factor (I) and building category
		c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
		d. The applicable internal pressure coefficient
		e. Components and Cladding. The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
☒	☐	<u>Elevations including:</u>
☒	☐	a) All sides
☒	☐	b) Roof pitch
☒	☐	c) Overhang dimensions and detail with attic ventilation
☒	☐	d) Location, size and height above roof of chimneys
☒	☐	e) Location and size of skylights
☒	☐	f) Building height
☒	☐	e) Number of stories

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Floor Plan including:

- a) Rooms labeled and dimensioned
- b) Shear walls
- c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- f) Must show and identify accessibility requirements (accesssable bathroom)

Foundation Plan including:

- a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling
- d) Location of any vertical steel

Roof System:

- a) Truss package including:
 - 1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
 - 2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- b) Conventional Framing Layout including:
 - 1. Rafter size, species and spacing
 - 2. Attachment to wall and uplift
 - 3. Ridge beam sized and valley framing and support details
 - 4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- a) Masonry wall
 - 1. All materials making up wall
 - 2. Block size and mortar type with size and spacing of reinforcement
 - 3. Lintel, tie-beam sizes and reinforcement
 - 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
 - 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
 - 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
 - 7. Fire resistant construction (if required)
 - 8. Fireproofing requirements
 - 9. Shoe type of termite treatment (termicide or alternative method)
 - 10. Slab on grade
 - a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
 - 11. Indicate where pressure treated wood will be placed
 - 12. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

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b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
 - a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

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

Floor Framing System:

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

Plumbing Fixture layout

Electrical layout including:

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

HVAC information

- a) Manual J sizing equipment or equivalent computation
- b) Exhaust fans in bathroom

Energy Calculations (dimensions shall match plans)

Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

Notice Of Commencement

Private Potable Water

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

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Project Information for: L202927
Builder: ALBERT PADIN (O/B)
Lot: LOT 4 SEDGEFIELD
Subdivision: N/A
County or City: COLUMBIA COUNTY
Truss Page Count: 68
Date: 8/2/2006
Start Number: 1220
SEI Ref: L202927

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)

Owner Builder
Address: N/A
N/A

Designer: 114

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

Notes:

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

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	0802061220	8/2/2006	41	T16	0802061260	8/2/2006
2	CJ3	0802061221	8/2/2006	42	T17	0802061261	8/2/2006
3	CJ3A	0802061222	8/2/2006	43	T18	0802061262	8/2/2006
4	CJ5	0802061223	8/2/2006	44	T19	0802061263	8/2/2006
5	EJ3	0802061224	8/2/2006	45	T20	0802061264	8/2/2006
6	EJ5	0802061225	8/2/2006	46	T21	0802061265	8/2/2006
7	EJ6	0802061226	8/2/2006	47	T22	0802061266	8/2/2006
8	EJ6A	0802061227	8/2/2006	48	T23	0802061267	8/2/2006
9	EJ7	0802061228	8/2/2006	49	T24	0802061268	8/2/2006
10	EJ7A	0802061229	8/2/2006	50	T25	0802061269	8/2/2006
11	EJ7B	0802061230	8/2/2006	51	T26	0802061270	8/2/2006
12	HJ4	0802061231	8/2/2006	52	T27	0802061271	8/2/2006
13	HJ7	0802061232	8/2/2006	53	T28	0802061272	8/2/2006
14	HJ9	0802061233	8/2/2006	54	T30	0802061273	8/2/2006
15	HJ9A	0802061234	8/2/2006	55	T31	0802061274	8/2/2006
16	PB05	0802061235	8/2/2006	56	T32	0802061275	8/2/2006
17	PB07	0802061236	8/2/2006	57	T33	0802061276	8/2/2006
18	PB07A	0802061237	8/2/2006	58	T34	0802061277	8/2/2006
19	PB10	0802061238	8/2/2006	59	T35	0802061278	8/2/2006
20	PB10A	0802061239	8/2/2006	60	T36	0802061279	8/2/2006
21	PB10B	0802061240	8/2/2006	61	T37	0802061280	8/2/2006
22	PB05A	0802061241	8/2/2006	62	T38	0802061281	8/2/2006
23	T01	0802061242	8/2/2006	63	T39	0802061282	8/2/2006
24	T02	0802061243	8/2/2006	64	T40	0802061283	8/2/2006
25	T03	0802061244	8/2/2006	65	T41	0802061284	8/2/2006
26	T04	0802061245	8/2/2006	66	T42	0802061285	8/2/2006
27	T05	0802061246	8/2/2006	67	T43	0802061286	8/2/2006
28	T05G	0802061247	8/2/2006	68	T44	0802061287	8/2/2006
29	T06	0802061248	8/2/2006				
30	T07	0802061249	8/2/2006				
31	T07G	0802061250	8/2/2006				
32	T08	0802061251	8/2/2006				
33	T09	0802061252	8/2/2006				
34	T09G	0802061253	8/2/2006				
35	T10	0802061254	8/2/2006				
36	T11G	0802061255	8/2/2006				
37	T12	0802061256	8/2/2006				
38	T13	0802061257	8/2/2006				
39	T14G	0802061258	8/2/2006				
40	T15	0802061259	8/2/2006				

AUG 02 2006

Job L202927	Truss CJ1	Truss Type MONO TRUSS	Qty 14	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MITek Industries, Inc. Mon Jul 24 12:27:01 2006 Page 1		

Scale = 1:9.2

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 0.01	Vert(LL) -0.00 2 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.00 2 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 3 n/a n/a		
	Code FBC2004/TP12002			Weight: 7 lb	

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

REACTIONS (lb/size) 2=267/0-4-0, 4=14/Mechanical, 3=91/Mechanical
 Max Horz 2=116(load case 5)
 Max Uplift 2=307(load case 5), 4=11(load case 3), 3=91(load case 1)
 Max Grav 2=267(load case 1), 4=14(load case 1), 3=147(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/59, 2-3=-85/102
 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 left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 2) Refer to girder(s) for truss to truss connections.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 307 lb uplift at joint 2, 11 lb uplift at joint 4 and 91 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L202927	Truss CJ3	Truss Type MONO TRUSS	Qty 6	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, Fl 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:27:04 2006 Page 1		

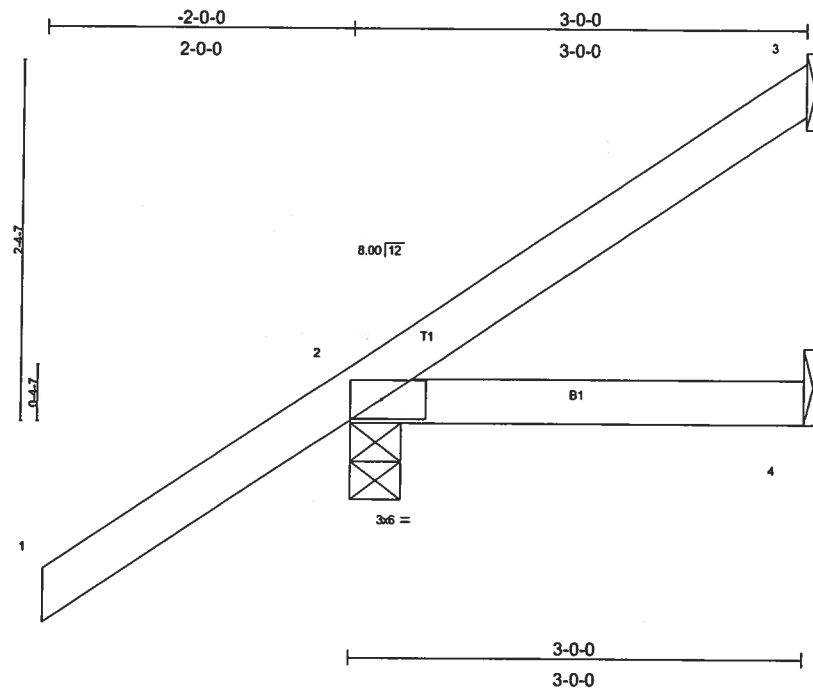


Plate Offsets (X,Y): [2-0-3-9,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCCL 20.0	Plates Increase	1.25	TC 0.31	Vert(LL)	0.01	2-4	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.08	Vert(TL)	0.01	2-4	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
Weight: 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=29/Mechanical, 2=279/0-4-0, 4=42/Mechanical
Max Horz 2=175(load case 5)
Max Uplift 3=-34(load case 6), 2=-234(load case 5), 4=-33(load case 3)
Max Grav 3=33(load case 3), 2=279(load case 1), 4=42(load case 1)

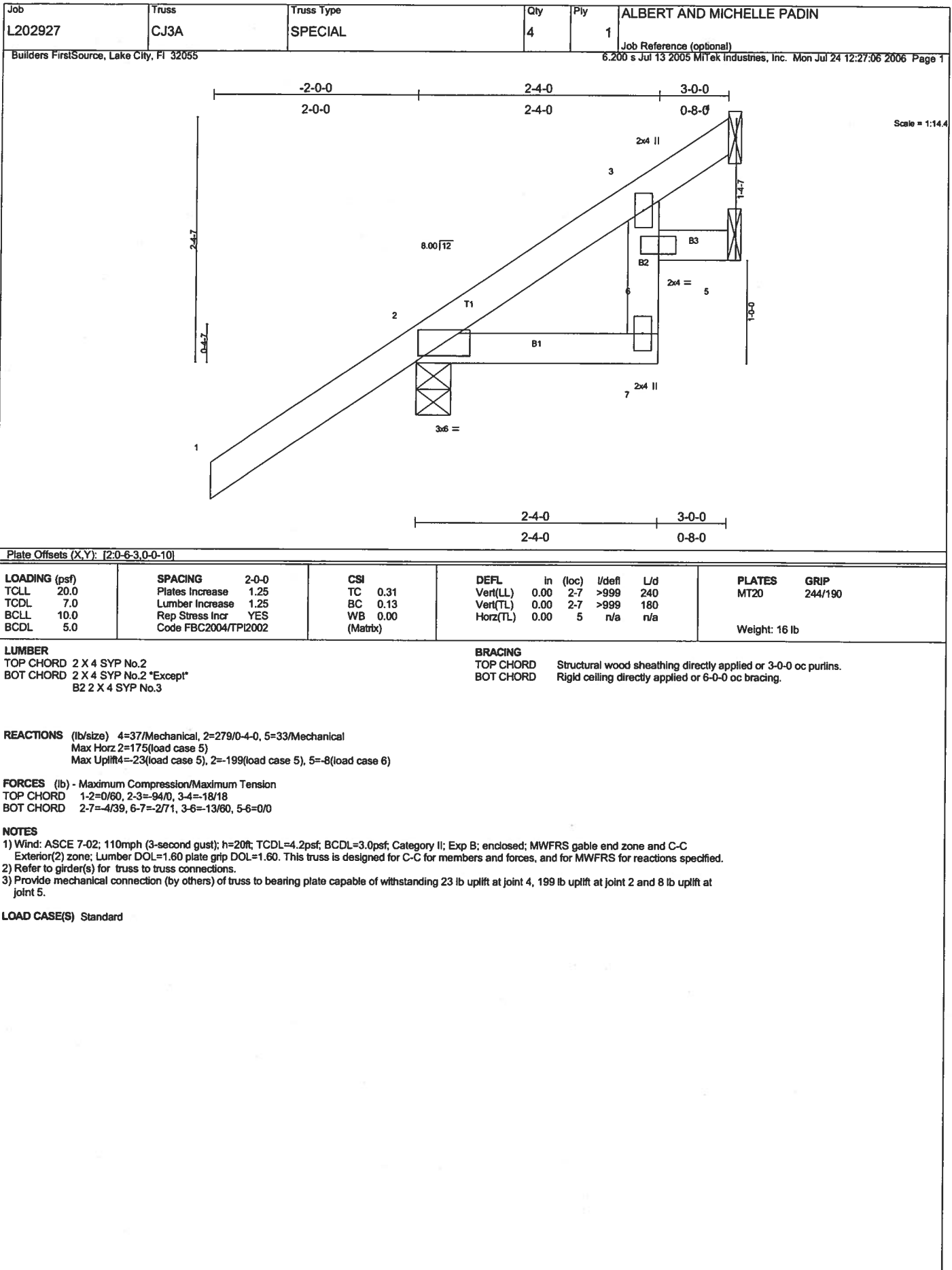
FORCES

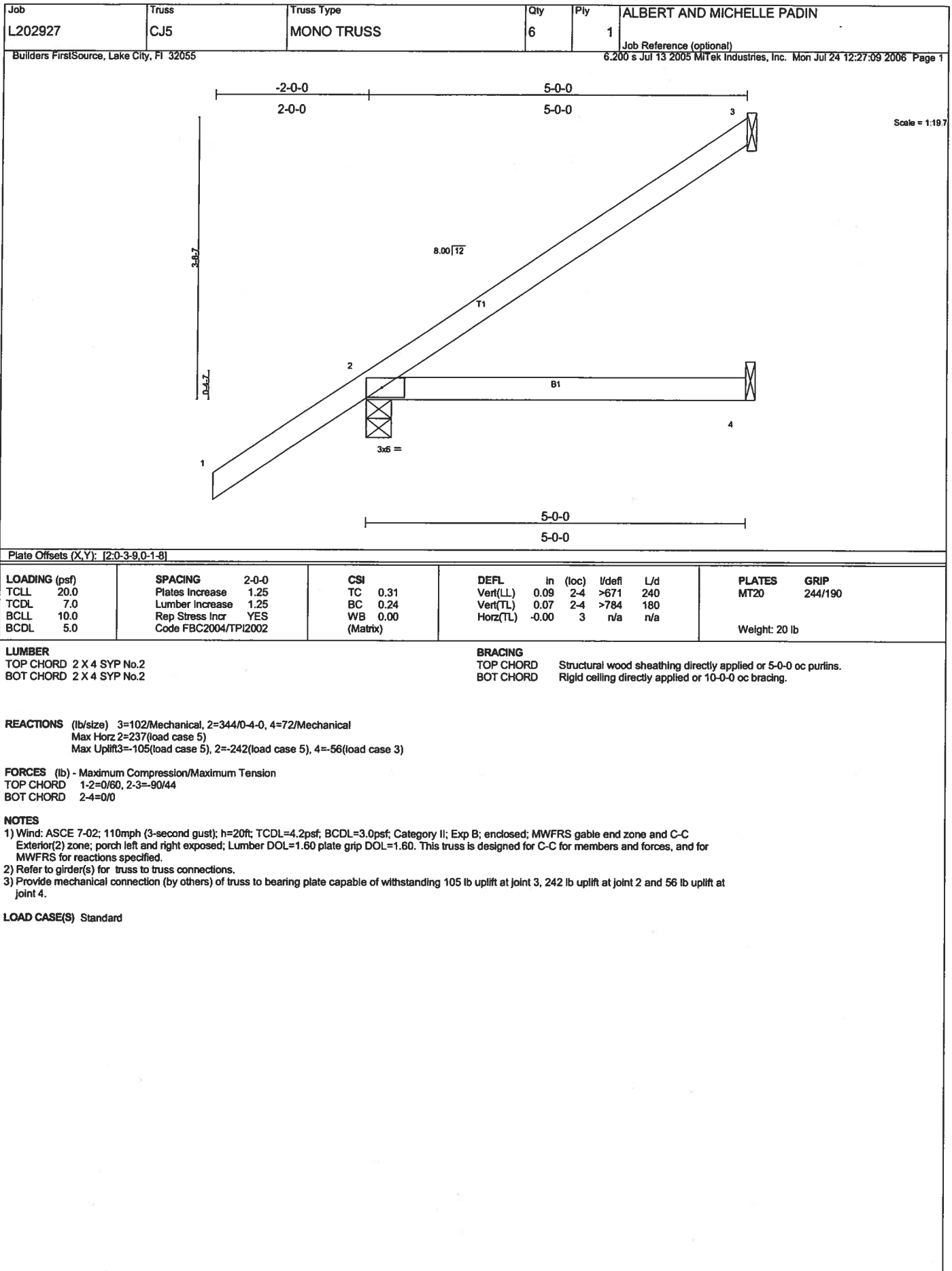
(lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/60, 2-3=-71/18
BOT CHORD 2-4=0/0

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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 34 lb uplift at joint 3, 234 lb uplift at joint 2 and 33 lb uplift at joint 4.

LOAD CASE(S) Standard





Job L202927	Truss EJ3	Truss Type JACK	Qty 7	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mitek Industries, Inc. Mon Jul 24 12:27:11 2006 Page 1		

Scale = 1:14.7

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 0.31	In (loc) l/def L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.06	Vert(LL) -0.00 2-4 >999 240		
BCLL 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/TPI2002			Weight: 14 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 3-1-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

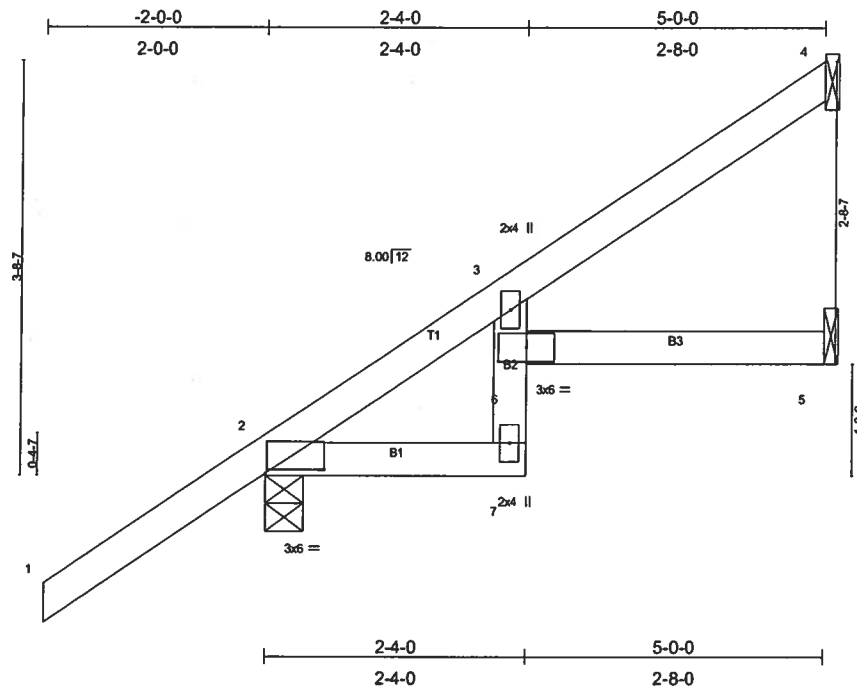
REACTIONS (lb/size) 3=33/Mechanical, 2=281/0-4-0, 4=43/Mechanical
 Max Horz 2=178(load case 5)
 Max Uplift 3=36(load case 6), 2=-197(load case 5)
 Max Grav 3=33(load case 3), 2=281(load case 1), 4=43(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/60, 2-3=-71/18
 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 3 and 197 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L202927	Truss EJ5	Truss Type SPECIAL	Qty 5	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:27:14 2006 Page 1		



Scale = 1:19.7

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 0.31	Vert(LL)	-0.03	5-6	>999	240	MT20	244/190
TCCL 7.0	Plates Increase 1.25	BC 0.27	Vert(TL)	-0.04	5-6	>999	180		
BCCL 10.0	Lumber Increase 1.25	WB 0.00	Horz(TL)	0.02	5	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 22 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2 "Except"
 B2 2 X 4 SYP No.3

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) 4=95/Mechanical, 2=344/0-4-0, 5=78/Mechanical

Max Horz 2=237(load case 5)

Max Uplift 4=79(load case 5), 2=182(load case 5), 5=12(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/60, 2-3=180/0, 3-4=61/45

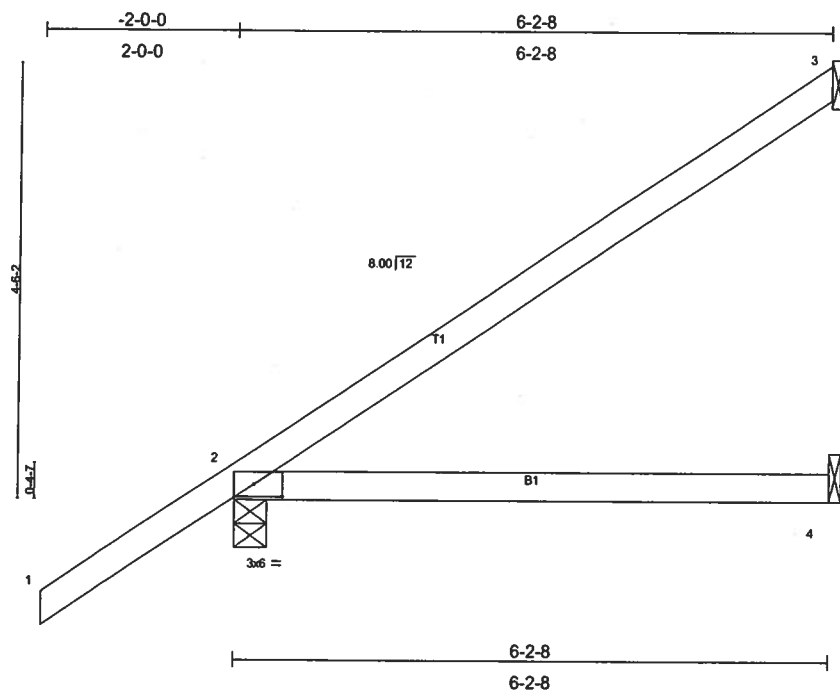
BOT CHORD 2-7=39/91, 6-7=0/65, 3-6=0/95, 5-6=0/0

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 79 lb uplift at joint 4, 182 lb uplift at joint 2 and 12 lb uplift at joint 5.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	ALBERT AND MICHELLE PADIN
L202927	EJ6	MONO TRUSS	3	1	Job Reference (optional)



Scale = 1:22.8

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

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.33	Vert(LL) -0.07 2-4 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.25	Vert(TL) -0.12 2-4 >611 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00 3 n/a n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)			
				Weight: 24 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=140/Mechanical, 2=389/0-4-0, 4=90/Mechanical
Max Horiz 2=274(load case 5)
Max Uplift 3=148(load case 5), 2=181(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/60, 2-3=-121/62
BOT CHORD 2-4=0/0

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCDF=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 148 lb uplift at joint 3 and 181 lb uplift at joint 2.

LOAD CASE(S) Standard

AUGUST 2, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job L202927	Truss EJ6A	Truss Type MONO TRUSS	Qty 9	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:27:20 2006 Page 1		

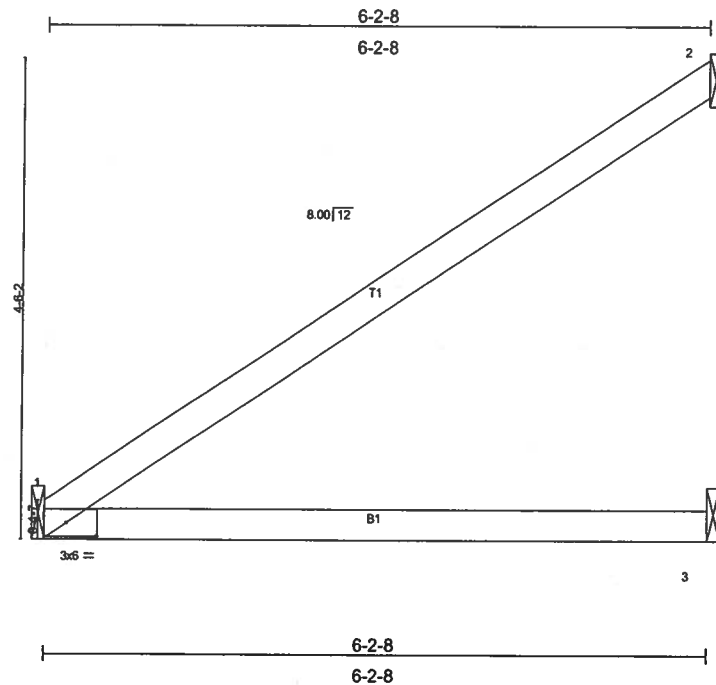


Plate Offsets (X,Y): [1:0-3-9,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.45	Vert(LL)	-0.07	1-3	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.26	Vert(TL)	-0.13	1-3	>580	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 21 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 6-2-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=255/Mechanical, 2=164/Mechanical, 3=91/Mechanical
Max Horz 1=191(load case 5)
Max Uplift 1=31(load case 5), 2=180(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-137/74
BOT CHORD 1-3=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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 1 and 180 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L202927	Truss EJ7	Truss Type MONO TRUSS	Qty 6	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:27:22 2006 Page 1		

Scale = 1/24"
Camber = 1/16"

Scale = 1/24"
Camber = 1/16"

Plate Offsets (X,Y): [2-0-6-3,0-0-6]										
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.44	Vert(LL)	-0.12	2-4	>659	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.35	Vert(TL)	-0.21	2-4	>394	180		
BCLL 10.0	Rep Stress incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)							
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.
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REACTIONS (lb/size) 3=161/Mechanical, 2=420/0-4-0, 4=105/Mechanical
 Max Horz 2=298(load case 5)
 Max Uplift 3=160(load case 5), 2=182(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/60, 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; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 2) Refer to girder(s) for truss to truss connections.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint 3 and 182 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L202927	Truss EJ7A	Truss Type MONO TRUSS	Qty 11	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:27:25 2006 Page 1		

Scale = 1:20.8
Camber = 1/8 in

Plate Offsets (X,Y): [1:0-1-1,Edge]								
LOADING (psf)	SPACING 2'-0"	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.50	Vert(LL) -0.16	1-3	>507	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.43	Vert(TL) -0.27	1-3	>309	180		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00	2	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)						
							Weight: 23 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6'-0" oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.

REACTIONS (lb/size) 1=289/Mechanical, 2=172/Mechanical, 3=117/Mechanical
 Max Horz 1=216(load case 5)
 Max Uplift 1=36(load case 5), 2=-173(load case 5), 3=-9(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-137/76
 BOT CHORD 1-3=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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 36 lb uplift at joint 1, 173 lb uplift at joint 2 and 9 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L202927	Truss EJ7B	Truss Type COMMON	Qty 3	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:27:28 2006 Page 1		

Plate Offsets (X,Y): [2-0-3-9-0-1-8]					
LOADING (psf)	SPACING 2-0-0	CSI	DEFL	in (loc)	l/defl L/d
TCLL 20.0	Plates Increase 1.25	TC 0.39	Vent(LL) -0.14	2-6 >566	240
TCDL 7.0	Lumber Increase 1.25	BC 0.40	Vent(TL) -0.23	2-6 >348	180
BCLL 10.0	Rep Stress Incr YES	WB 0.05	Horz(TL) 0.16	4 n/a	n/a
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			
			PLATES GRIP MT20 244/190 Weight: 33 lb		

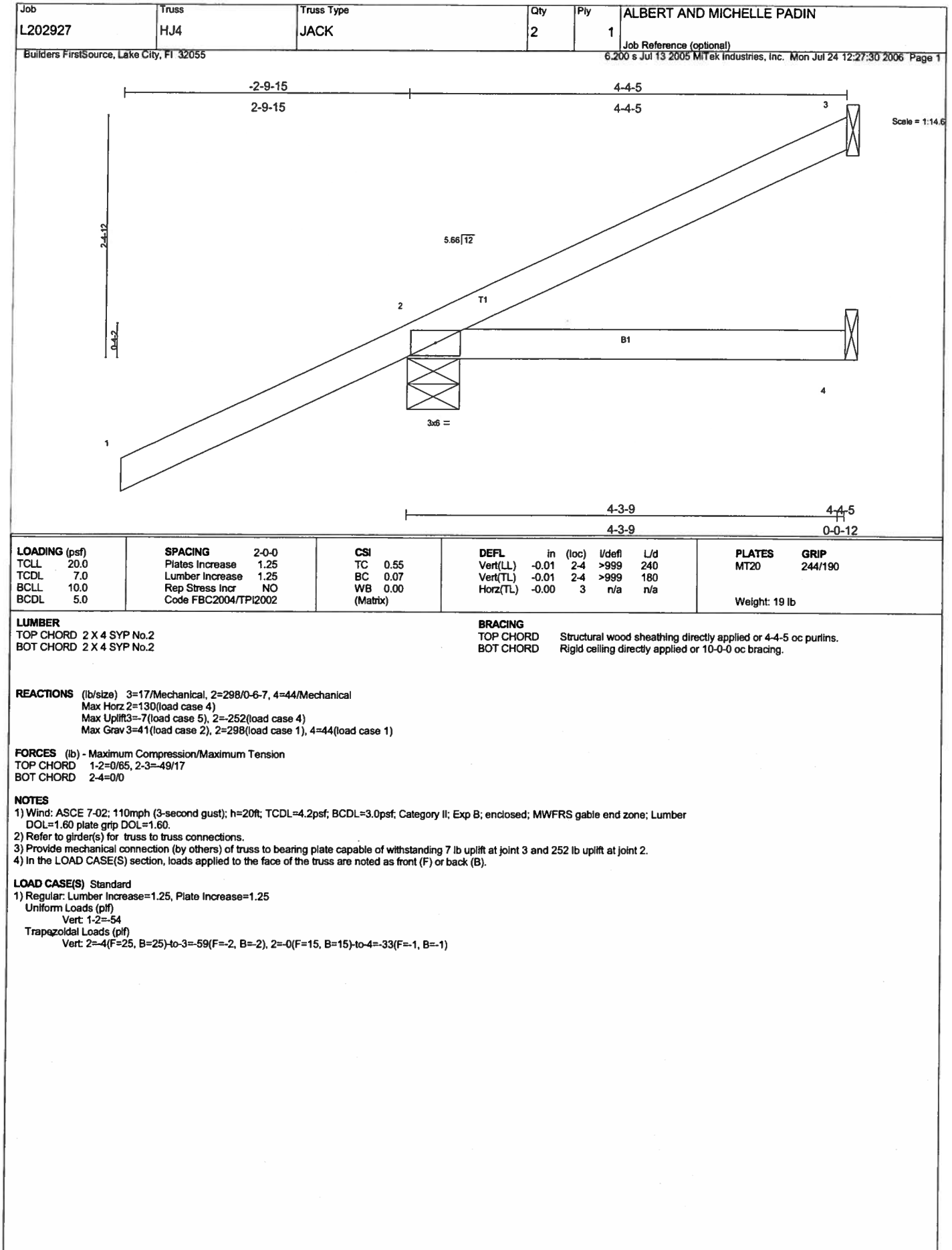
LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 WEBS 2 X 4 SYP No.3	BRACING TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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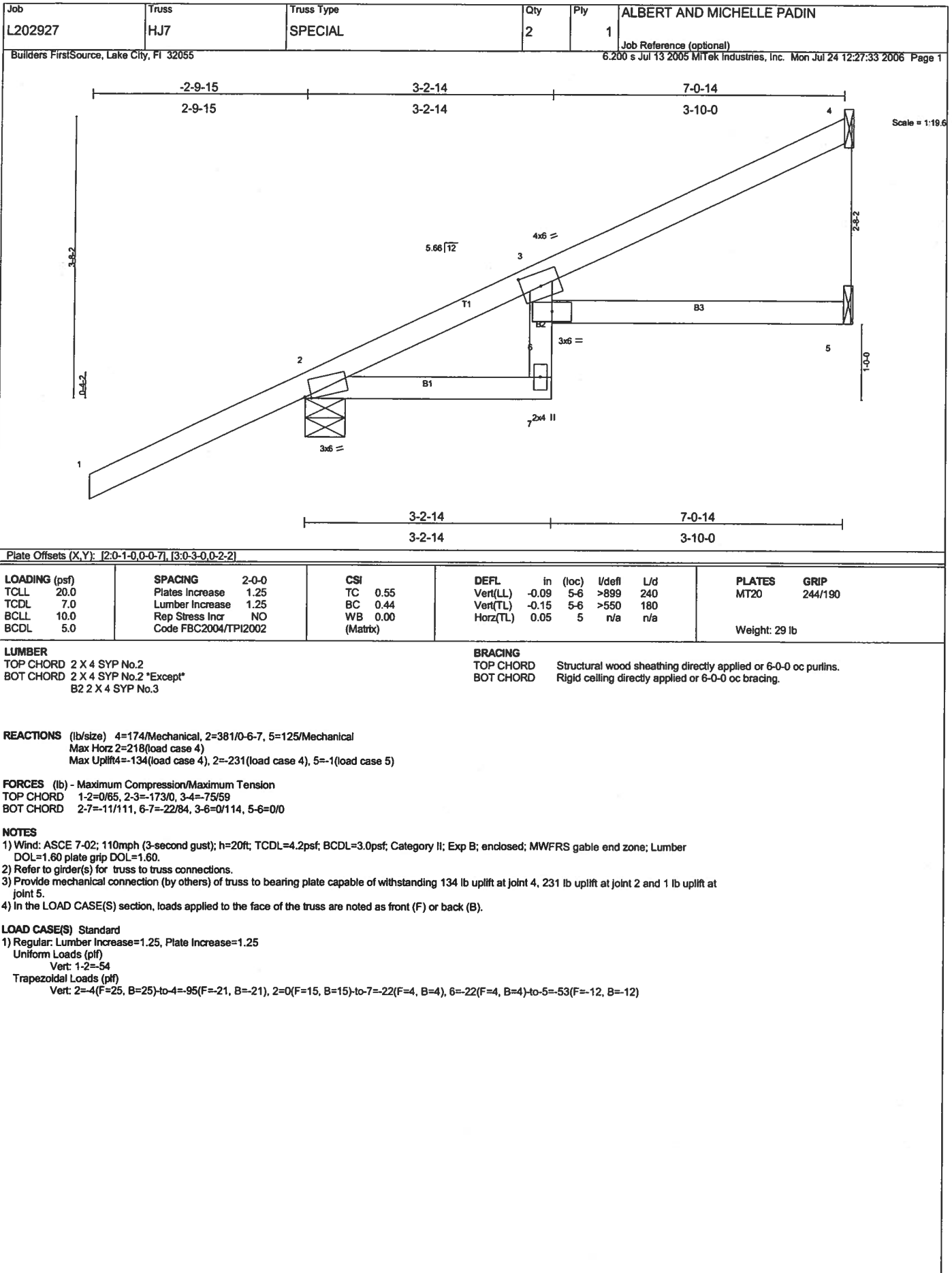
REACTIONS (lb/size) 4=93/Mechanical, 2=420/0-4-0, 5=172/Mechanical
 Max Horz 2=245(load case 5)
 Max Uplift 4=-3(load case 6), 2=-213(load case 5), 5=-125(load case 5)
 Max Grav 4=102(load case 10), 2=420(load case 1), 5=172(load case 1)

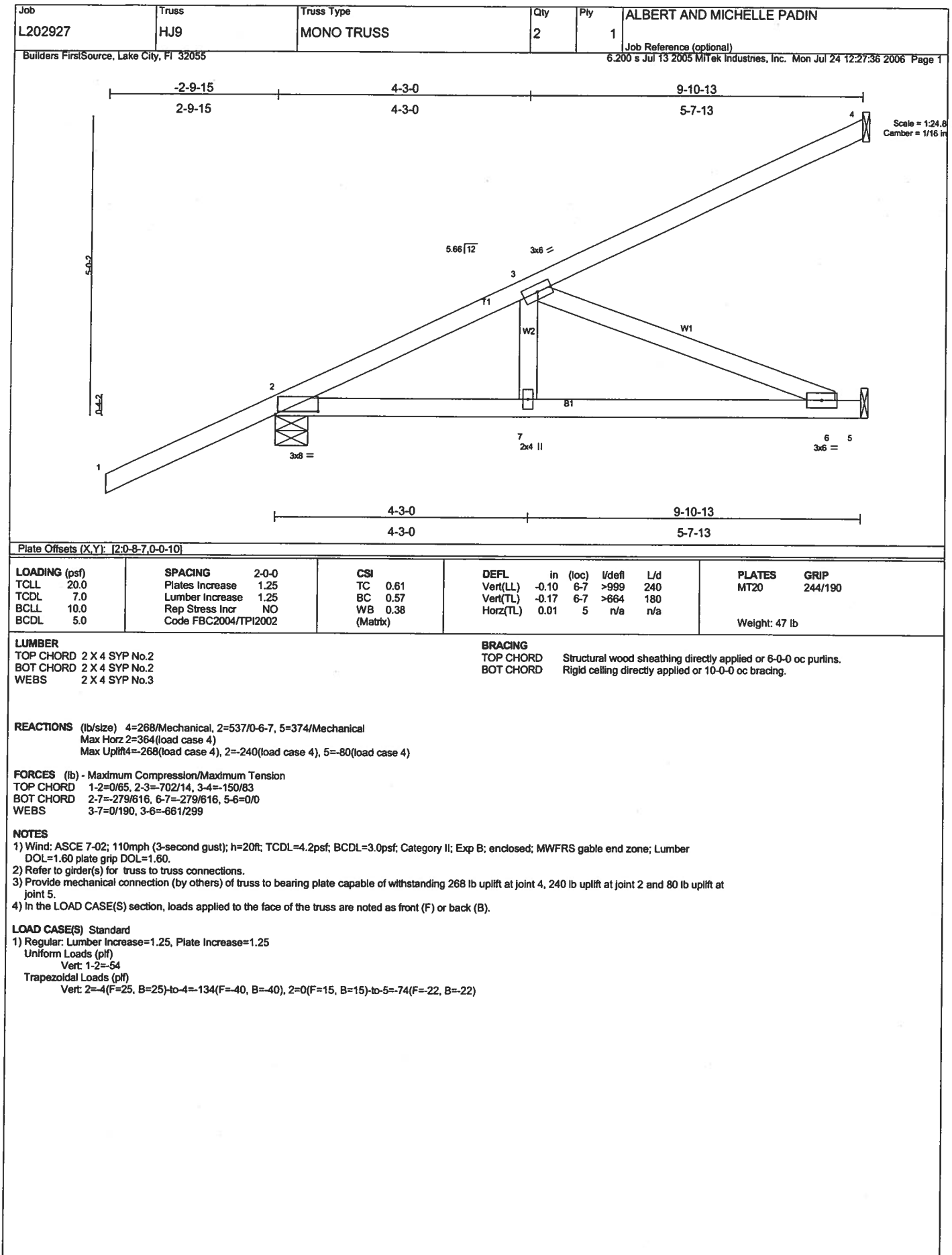
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/60, 2-3=-106/54, 3-4=-54/7
 BOT CHORD 2-6=0/0, 5-6=0/0
 WEBS 3-6=-87/181

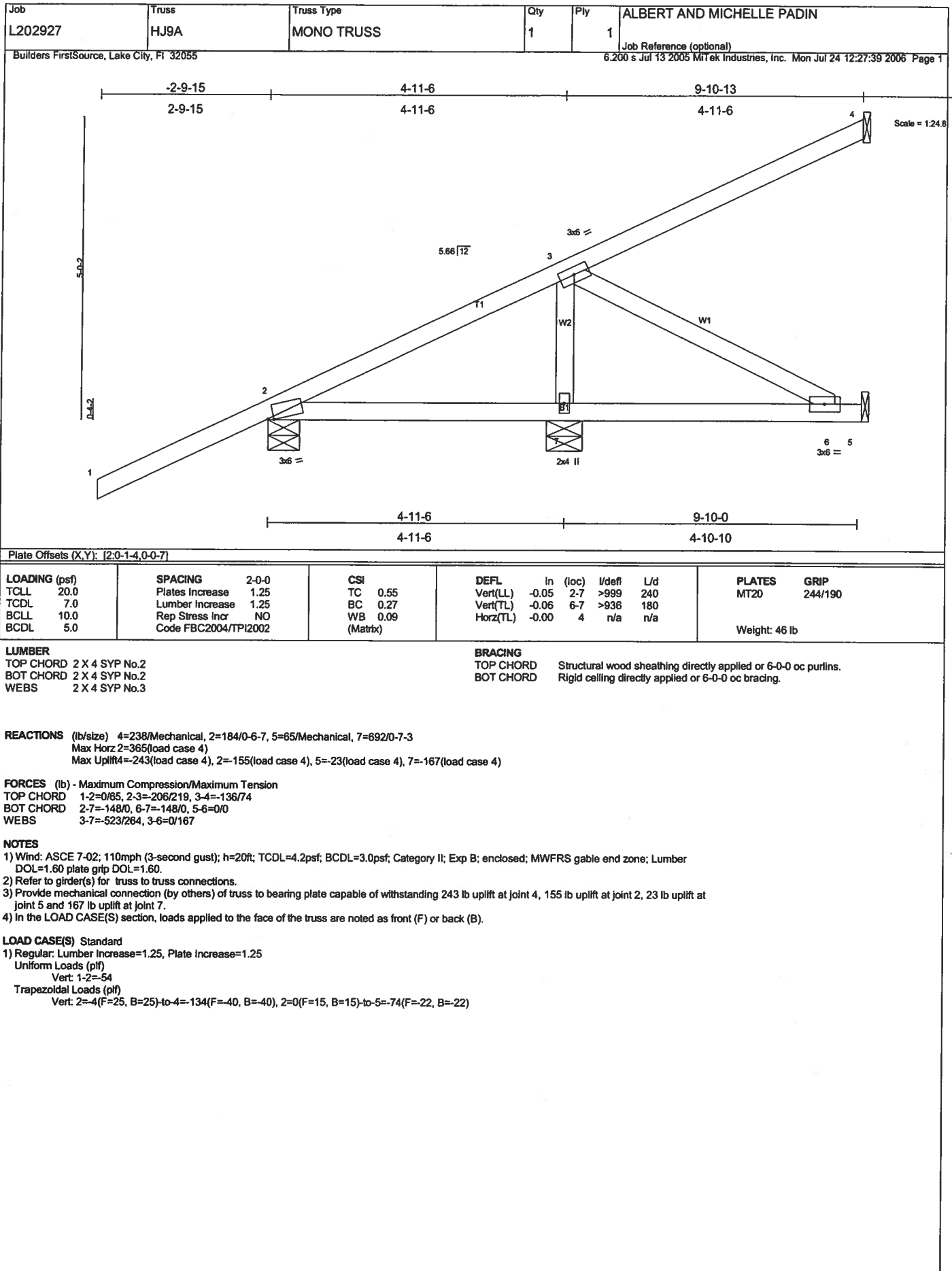
NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Refer to girder(s) for truss to truss connections.
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3 lb uplift at joint 4, 213 lb uplift at joint 2 and 125 lb uplift at joint 5.

LOAD CASE(S) Standard

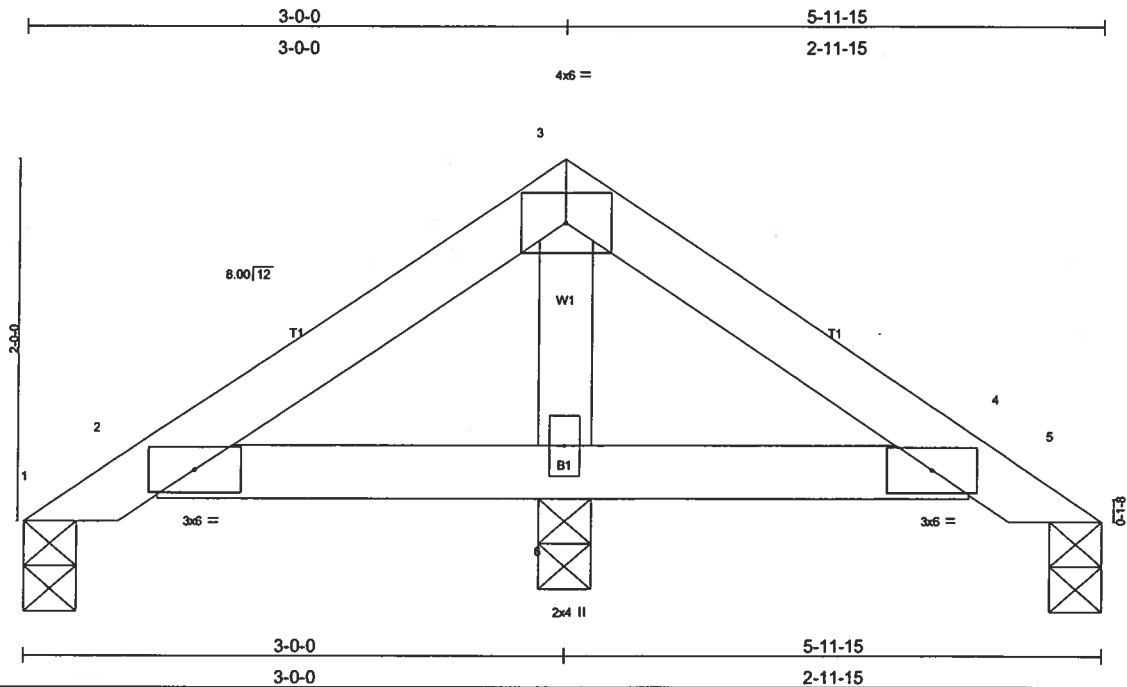








Job L202927	Truss PB05	Truss Type PIGGYBACK	Qty 9	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:27:41 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.07	In (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.06	Vert(LL) -0.00 2 >999 240		
BCCL 10.0	Lumber Increase 1.25	WB 0.04	Vert(TL) -0.00 2-6 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 5 n/a n/a		
	Code FBC2004/TPI2002			Weight: 19 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-11-15 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=43/0-3-8, 6=372/0-3-8, 5=43/0-3-8
 Max Horz 1=-66(load case 3)
 Max Uplift 1=-16(load case 6), 6=-120(load case 5), 5=-28(load case 3)
 Max Grav 1=59(load case 9), 6=372(load case 1), 5=59(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-57/62, 2-3=-43/140, 3-4=-41/140, 4-5=-28/19
 BOT CHORD 2-6=-80/82, 4-6=-80/82
 WEBS 3-6=-261/148

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 16 lb uplift at joint 1, 120 lb uplift at joint 6 and 28 lb uplift at joint 5.
- 5) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

Job L202927	Truss PB07	Truss Type PIGGYBACK	Qty 7	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mittek Industries, Inc. Mon Jul 24 12:27:43 2006 Page 1		

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.11	in (loc) l/defl L/d	MT20	244/190
TCCL 7.0	Plates Increase 1.25	BC 0.10	Vert(LL) 0.01 2-6 >999 240		
BCCL 10.0	Lumber Increase 1.25	WB 0.06	Vert(TL) -0.01 2-6 >999 180		
BCCL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 5 n/a n/a		
	Code FBC2004/TPI2002			Weight: 25 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

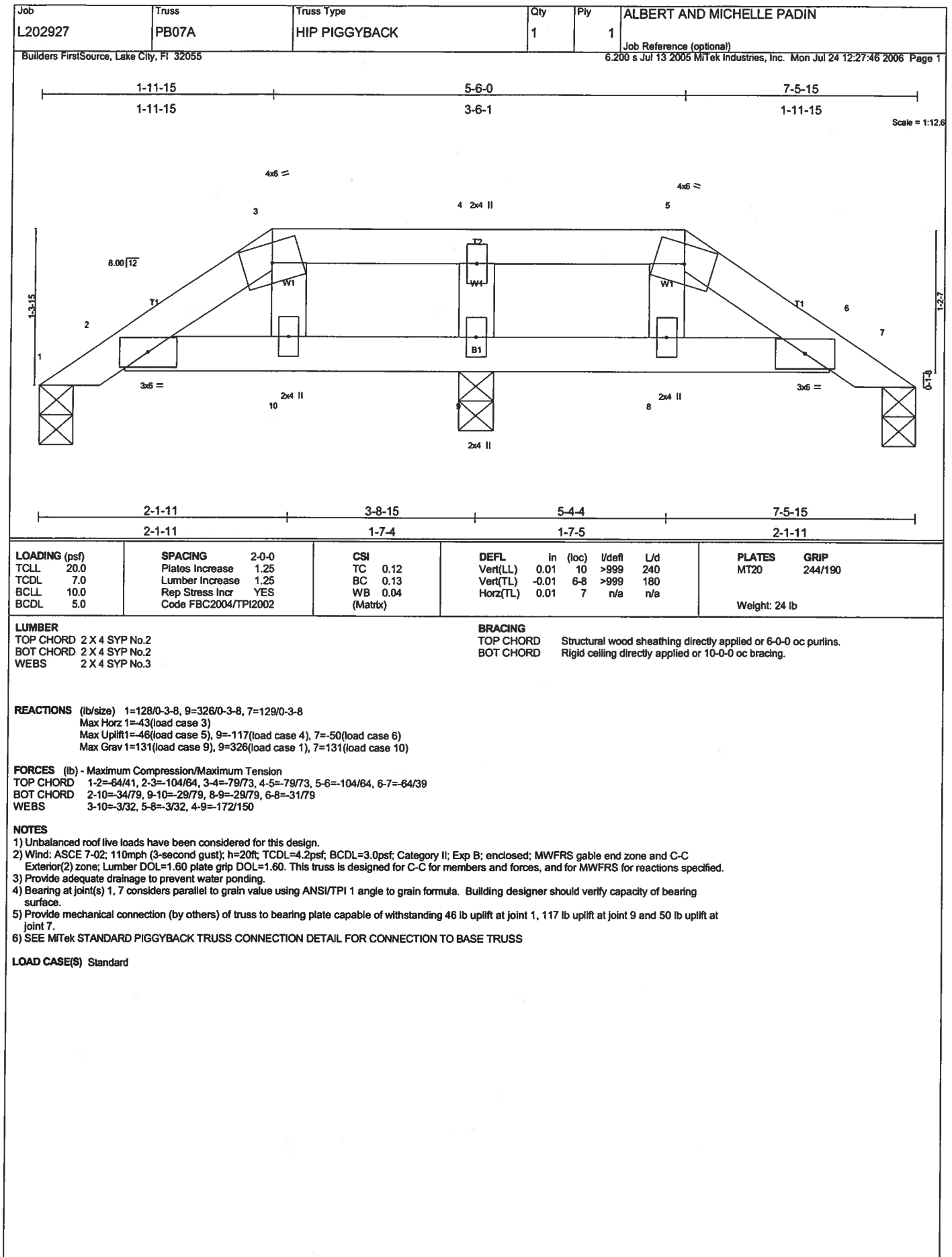
BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

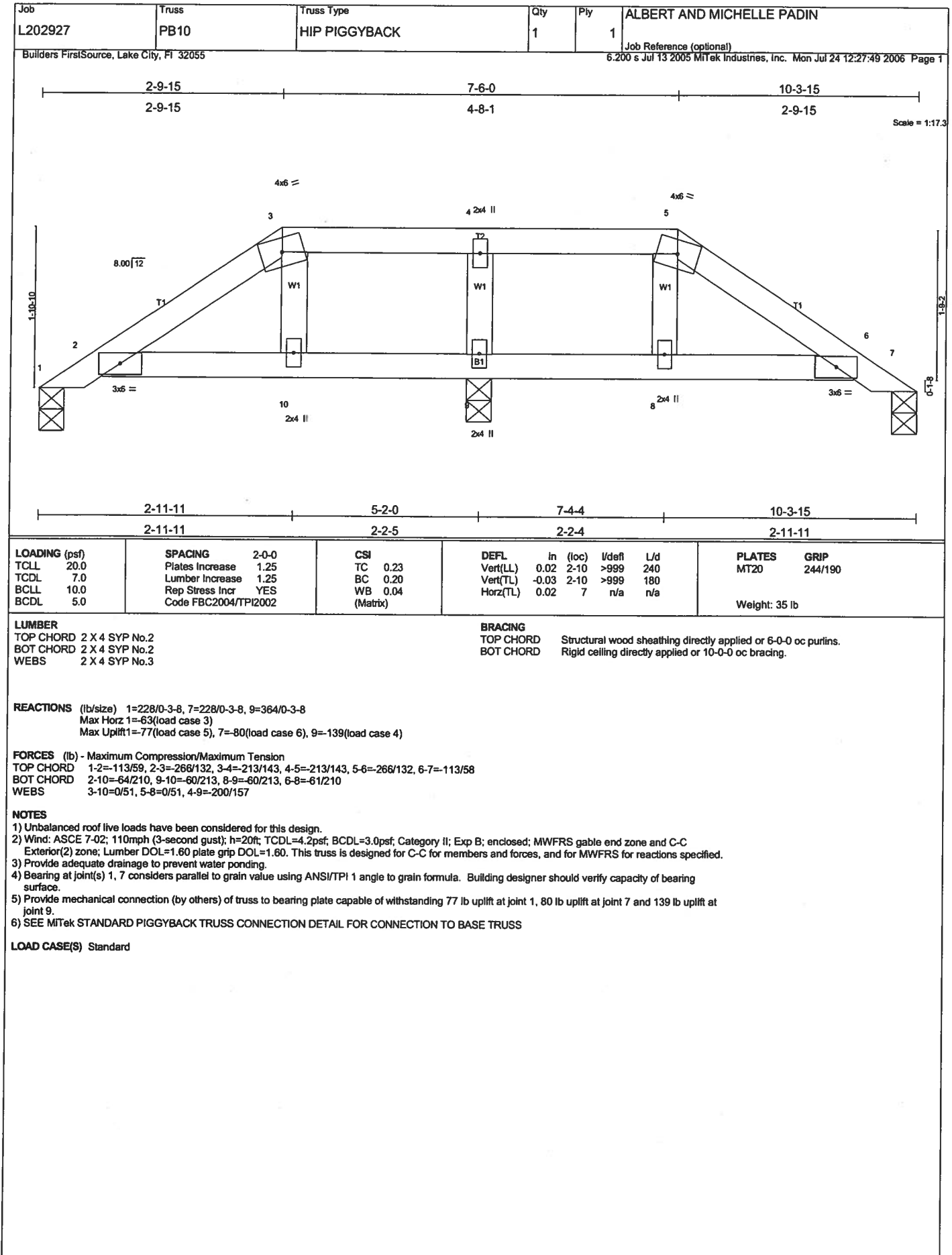
REACTIONS (lb/size) 1=41/0-3-8, 6=500/0-3-8, 5=41/0-3-8
 Max Horz 1=-83(load case 3)
 Max Uplift 1=-13(load case 6), 6=-165(load case 5), 5=-34(load case 3)
 Max Grav 1=65(load case 9), 6=500(load case 1), 5=65(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-72/76, 2-3=-68/203, 3-4=-68/203, 4-5=-31/22
 BOT CHORD 2-6=-122/114, 4-6=-122/114
 WEBS 3-6=-362/208

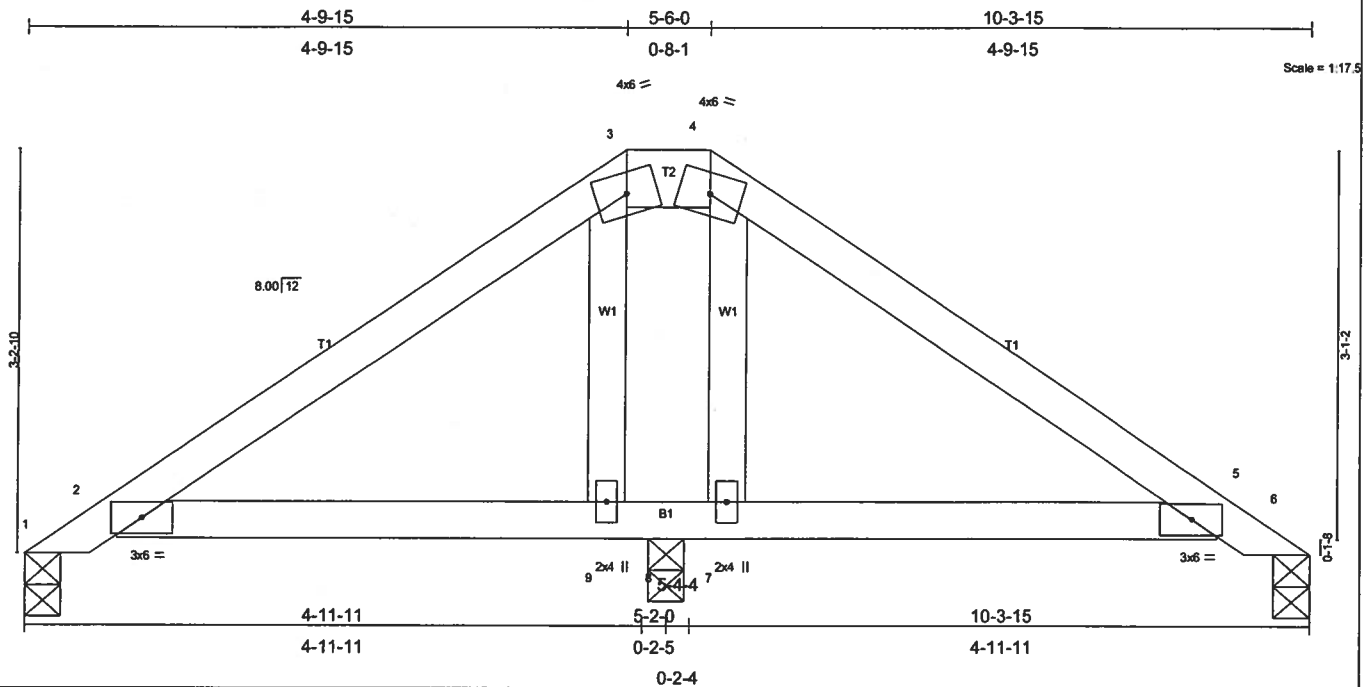
NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 13 lb uplift at joint 1, 165 lb uplift at joint 6 and 34 lb uplift at joint 5.
 5) SEE MITTEK STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard





Job L202927	Truss PB10A	Truss Type HIP PIGGYBACK	Qty 1	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mitek Industries, Inc. Mon Jul 24 12:27:51 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.19	In (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.39	Vert(LL) -0.03 2-9 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.05	Vert(TL) -0.04 2-9 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.01 6 n/a n/a		
	Code FBC2004/TPI2002			Weight: 39 lb	

LUMBER
 TOP CHORD 2 X 4 SYP No.2 *Except*
 T2 2 X 6 SYP No.1D
 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=41/0-3-8, 6=40/0-3-8, 8=740/0-3-8
 Max Horz 1=107(load case 3)
 Max Uplift 1=20(load case 10), 6=46(load case 3), 8=251(load case 5)
 Max Grav 1=80(load case 9), 6=79(load case 10), 8=740(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-91/93, 2-3=-117/309, 3-4=-15/179, 4-5=-118/309, 5-6=-38/28
 BOT CHORD 2-9=-194/166, 8-9=-179/158, 7-8=-179/158, 5-7=-194/166
 WEBS 3-9=-282/167, 4-7=-284/168

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) Bearing at joint(s) 1, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 20 lb uplift at joint 1, 46 lb uplift at joint 6 and 251 lb uplift at joint 8.
- 6) SEE MITEK STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

Job L202927	Truss PB10B	Truss Type HIP PIGGYBACK	Qty 1	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:27:53 2006 Page 1		

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.13	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.08	Vert(LL) 0.01 2-8 >999 240		
BCCL 10.0	Lumber Increase 1.25	WB 0.05	Vert(TL) -0.01 2-8 >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	

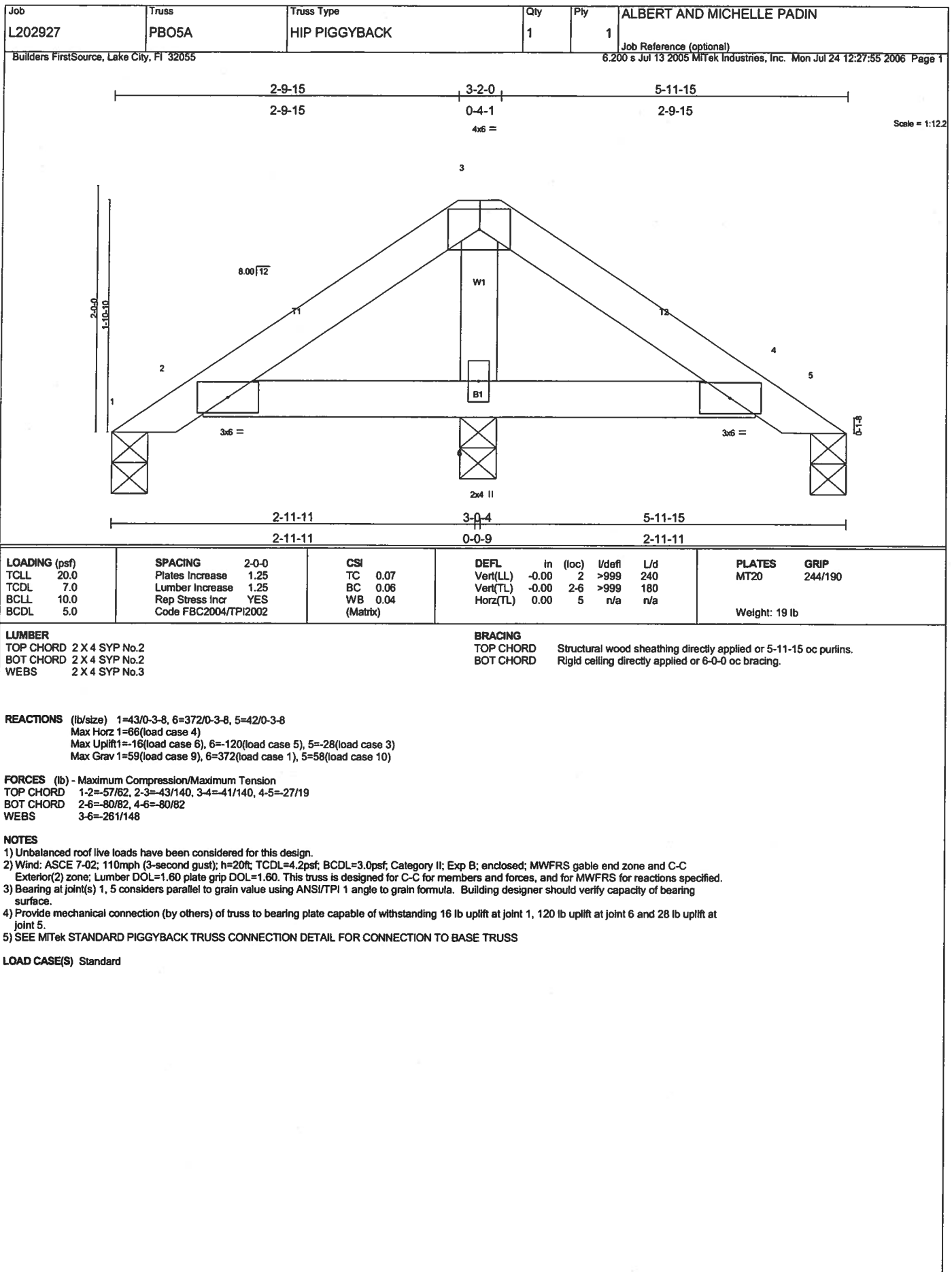
LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 1=30/0-3-8, 6=30/0-3-8, 8=380/0-3-8, 7=380/0-3-8
 Max Horz 1=-91(load case 3)
 Max Uplift 1=-11(load case 10), 6=-33(load case 3), 8=-155(load case 5), 7=-139(load case 6)
 Max Grav 1=56(load case 9), 6=56(load case 10), 8=383(load case 9), 7=383(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-81/88, 2-3=-99/272, 3-4=-32/196, 4-5=-96/272, 5-6=-26/21
 BOT CHORD 2-8=-178/143, 7-8=-196/154, 5-7=-178/143
 WEBS 3-8=-283/177, 4-7=-283/177

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) Bearing at joint(s) 1, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 11 lb uplift at joint 1, 33 lb uplift at joint 6, 155 lb uplift at joint 8 and 139 lb uplift at joint 7.
 6) SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard



Job L202927	Truss T01	Truss Type SPECIAL	Qty 1	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:27:58 2006 Page 1		

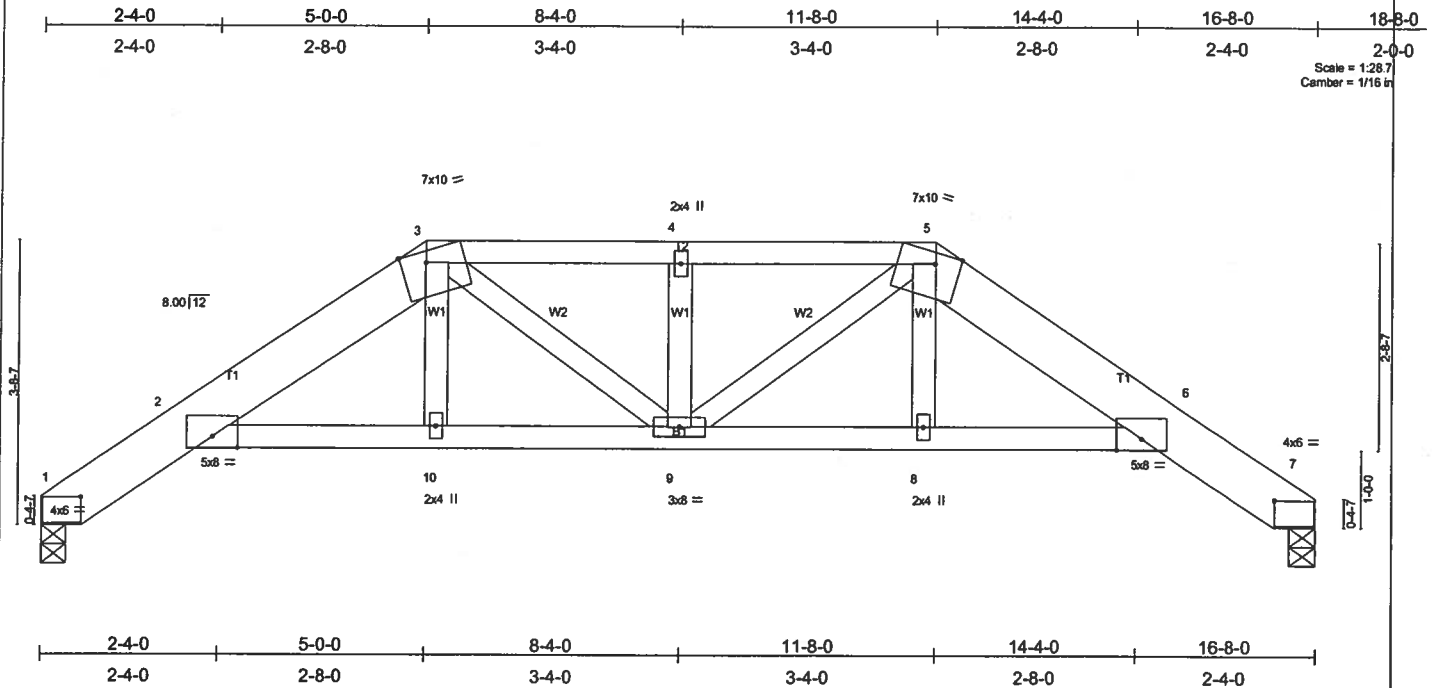


Plate Offsets (X,Y): [3:0-4-0,Edge], [5:0-4-0,Edge], [5:11-1-12,3-0-11], [5:4-5-12,3-0-12]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.79	Vert(LL)	-0.14	9	>999	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.72	Vert(TL)	-0.23	9	>847		
BCLL 10.0	Rep Stress Incr NO	WB 0.15	Horz(TL)	0.22	7	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)						
							Weight: 87 lb	

LUMBER

TOP CHORD 2 X 8 SYP No.1D "Except"
T2 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 4-3-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-6-14 oc bracing.

REACTIONS

(lb/size) 1=1014/0-4-0, 7=1014/0-4-0
Max Horz 1=116(load case 3)
Max Uplift 1=-438(load case 4), 7=-438(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-483/270, 2-3=-2021/945, 3-4=-1987/938, 4-5=-1987/938, 5-6=-2021/900, 6-7=-483/225
BOT CHORD 2-10=-924/1840, 9-10=-939/1870, 8-9=-825/1870, 6-8=-812/1840
WEBS 3-10=-229/473, 3-9=-154/205, 4-9=-37/93, 5-9=-146/205, 5-8=-226/473

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 438 lb uplift at joint 1 and 438 lb uplift at joint 7.
- 6) Girder carries tie-in span(s): 3-0-4 from 5-0-0 to 11-8-0; 3-4-7 from 5-0-0 to 11-8-0
- 7) Girder carries hip end with 5-0-0 end setback.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 245 lb down and 187 lb up at 11-8-0, and 245 lb down and 187 lb up at 5-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 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: 1-2=-65, 2-3=-54, 3-5=-68(F=-14), 5-6=-54, 6-7=-65, 2-10=-30, 8-10=-52(F=-22), 6-8=-30
Concentrated Loads (lb)
Vert: 10=-245(F) 8=-245(F)

Job L202927	Truss T02	Truss Type SPECIAL	Qty 1	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mitek Industries, Inc. Mon Jul 24 12:55:29 2006 Page 1		

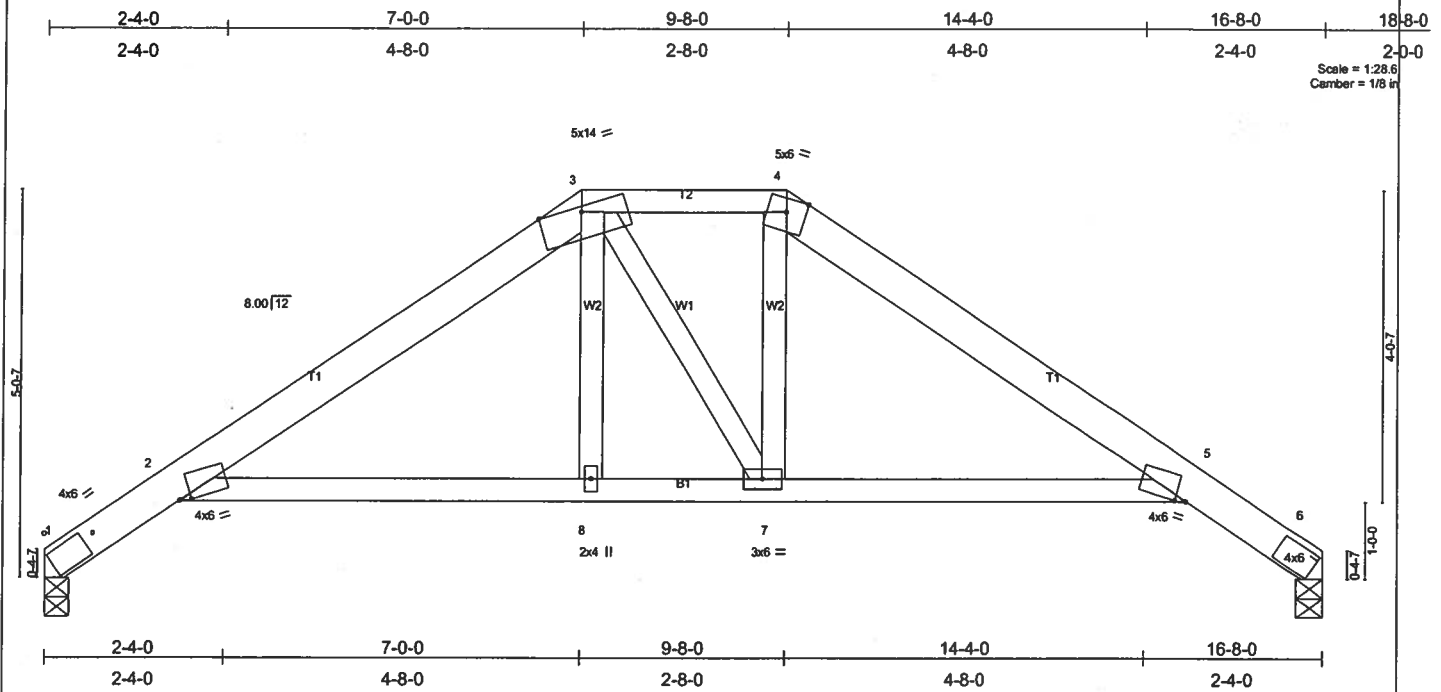


Plate Offsets (X,Y): [2:0-1-12,0-0-5], [2:1-2-2,0-3-11], [2:1-2-7,1-4-6], [5:0-1-12,0-0-5]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.61	In (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.56	Vert(LL) -0.21 2-8 >947 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.08	Vert(TL) -0.34 2-8 >581 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.27 6 n/a n/a		
	Code FBC2004/TPI2002			Weight: 80 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D *Except*
T2 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=656/0-4-0, 6=656/0-4-0
Max Horz 1=160(load case 4)
Max Uplift 1=210(load case 5), 6=210(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-327/155, 2-3=-964/369, 3-4=-815/404, 4-5=-965/369, 5-6=-327/145
BOT CHORD 2-8=-212/806, 7-8=-213/813, 5-7=-194/808
WEBS 3-8=-12/180, 3-7=-159/160, 4-7=-93/244

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C 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.
- Bearing at joint(s) 1, 6 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 210 lb uplift at joint 1 and 210 lb uplift at joint 6.

LOAD CASE(S) Standard

Job L202927	Truss T03	Truss Type SPECIAL	Qty 3	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 Mitek Industries, Inc. Mon Jul 24 12:28:03 2006 Page 1		

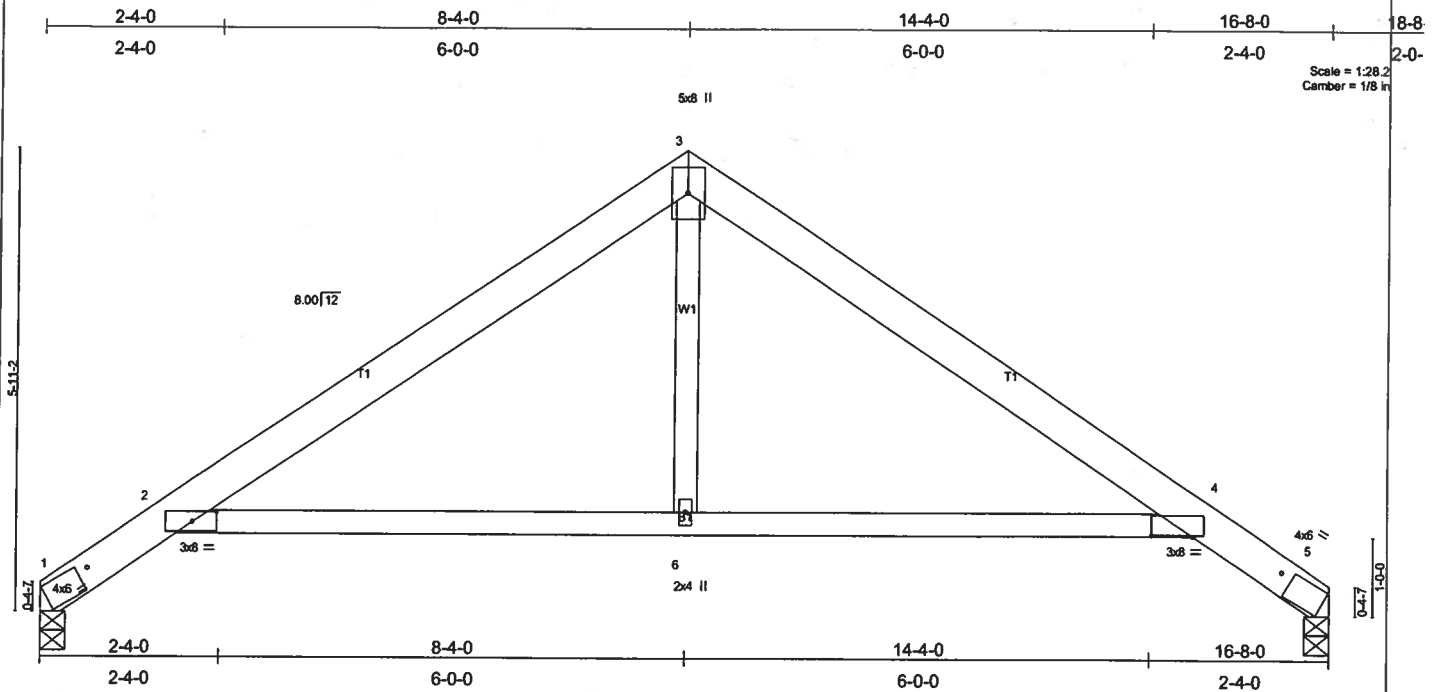


Plate Offsets (X,Y): [2:0-3-12,0-1-8], [4:0-6-6,0-0-4], [4:12-6-12,6-9-14], [4:1-2-12,0-2-5]

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.61	Vert(LL)	-0.23	4-6	>859	240	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.64	Vert(TL)	-0.37	4-6	>526	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.10	Horz(TL)	0.28	5	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002								
								Weight: 73 lb	

LUMBER

TOP CHORD 2 X 6 SYP No.10
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.
JOINTS 1 Brace at Jt(s): 6

REACTIONS (lb/size)

1=656/0-4-0, 5=656/0-4-0
Max Horz 1=189(load case 4)
Max Uplift 1=216(load case 5), 5=216(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=327/171, 2-3=965/354, 3-4=965/354, 4-5=327/139
BOT CHORD 2-6=184/818, 4-6=184/818
WEBS 3-6=12/319

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 216 lb uplift at joint 1 and 216 lb uplift at joint 5.

LOAD CASE(S) Standard

Job

L202927

Truss

T04

Truss Type

COMMON

Qty

1

Ply

2

ALBERT AND MICHELLE PADIN

Job Reference (optional)

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:28:06 2006 Page 1

4-4-7

8-4-0

12-3-9

16-8-0

4-4-7

3-11-9

3-11-9

4-4-7

4x6 II

3

8.00 [12]

3x6 //

2

W1

W2

W3

4

3x6 //

5

5x6 II

8

9

10

7

8x10 //

6

3x6 II

5x6 //

4-4-7

6-2-8

8-4-0

12-3-9

16-8-0

4-4-7

1-10-1

2-1-8

3-11-9

4-4-7

Scale = 1:30.6

Plate Offsets (X,Y): [1:0-3-0,0-2-13], [5:0-3-0,0-2-13]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	In	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.27	Vert(LL)	-0.09	7-8	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.63	Vert(TL)	-0.15	7-8	>999	180		
BCLL 10.0	Rep Stress Incr	NO	WB 0.72	Horz(TL)	0.04	5	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 196 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 6 SYP No.1D

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 5-2-12 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size)

1=3160/0-4-0, 5=4493/0-4-0

Max Horz 1=192(load case 3)

Max Uplift 1=-1168(load case 4), 5=-1698(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-5511/2039, 2-3=-4303/1675, 3-4=-4320/1677, 4-5=-6153/2313

BOT CHORD 1-8=-1681/4482, 8-9=-1681/4482, 9-10=-1681/4482, 7-10=-1681/4482, 6-7=-1843/5045, 5-6=-1843/5045

WEBS 2-8=-396/1210, 2-7=-1159/524, 3-7=-1706/4476, 4-7=-1856/814, 4-6=-754/1946

NOTES

1) 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.

2) 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.

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 mechanical connection (by others) of truss to bearing plate capable of withstanding 1168 lb uplift at joint 1 and 1698 lb uplift at joint 5.

6) Girder carries tie-in span(s): 24-4-0 from 7-2-8 to 16-8-0

7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1988 lb down and 751 lb up at 6-2-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert 1-3=-54, 3-5=-54, 1-10=-30, 5-10=-492(F=462)

Concentrated Loads (lb)

Vert 9=-1988(F)

AUGUST 2, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

Job L202927	Truss T05	Truss Type COMMON	Qty 2	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:28:08 2006 Page 1		

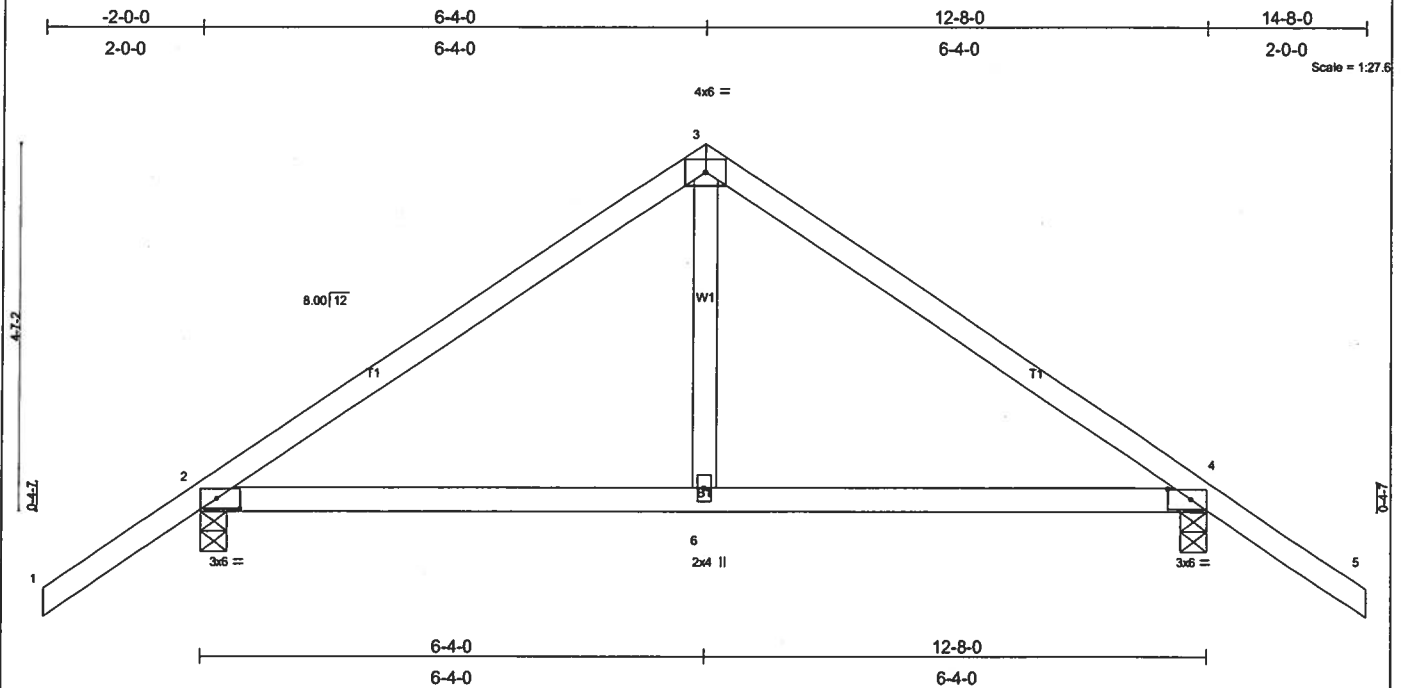


Plate Offsets (X,Y): [2:0-3-9,0-1-8], [4:0-3-9,0-1-8]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.28	Vert(LL)	-0.04	4-6	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.24	Vert(TL)	-0.07	4-6	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.07	Horz(TL)	0.01	4	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
Weight: 55 lb										

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

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

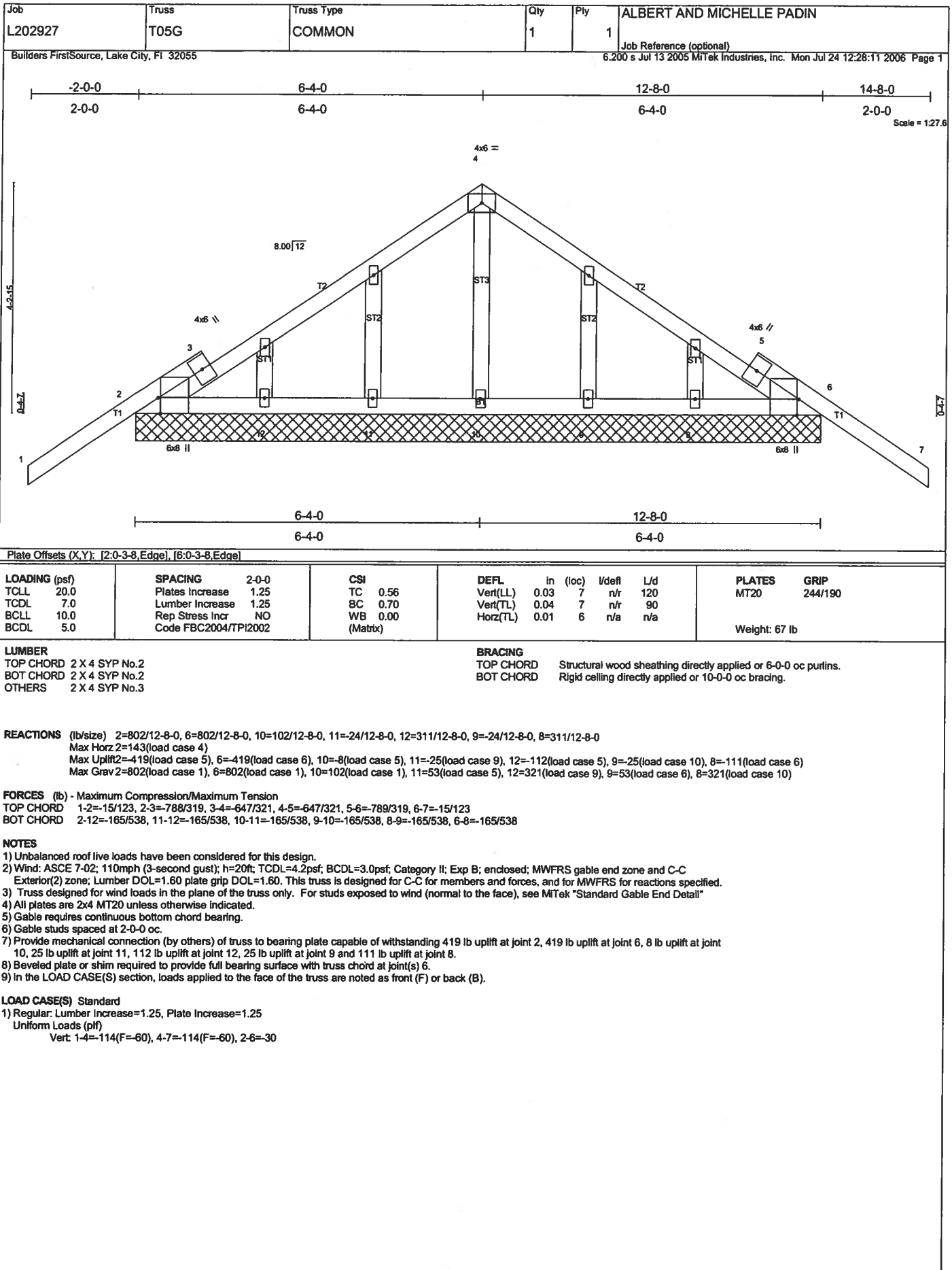
REACTIONS (lb/size) 2=635/0-4-0, 4=635/0-4-0
 Max Horz 2=155(load case 4)
 Max Uplift 2=295(load case 5), 4=295(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/60, 2-3=598/172, 3-4=598/172, 4-5=0/60
 BOT CHORD 2-6=-28/420, 4-6=-28/420
 WEBS 3-6=0/219

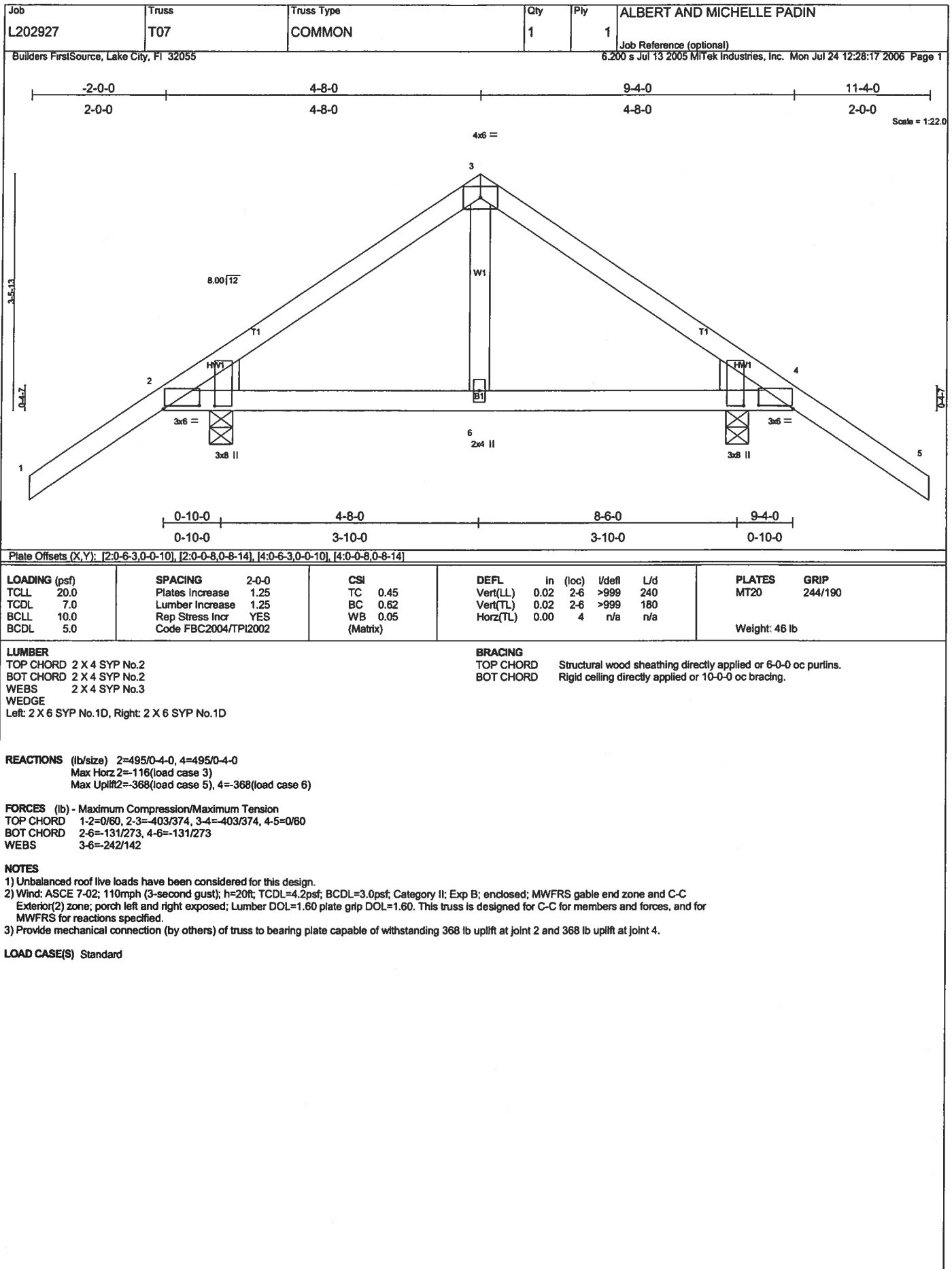
NOTES

- 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 mechanical connection (by others) of truss to bearing plate capable of withstanding 295 lb uplift at joint 2 and 295 lb uplift at joint 4.

LOAD CASE(S) Standard



AUGUST 2, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549



Job L202927	Truss T07G	Truss Type COMMON	Qty 1	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:28:20 2006 Page 1		

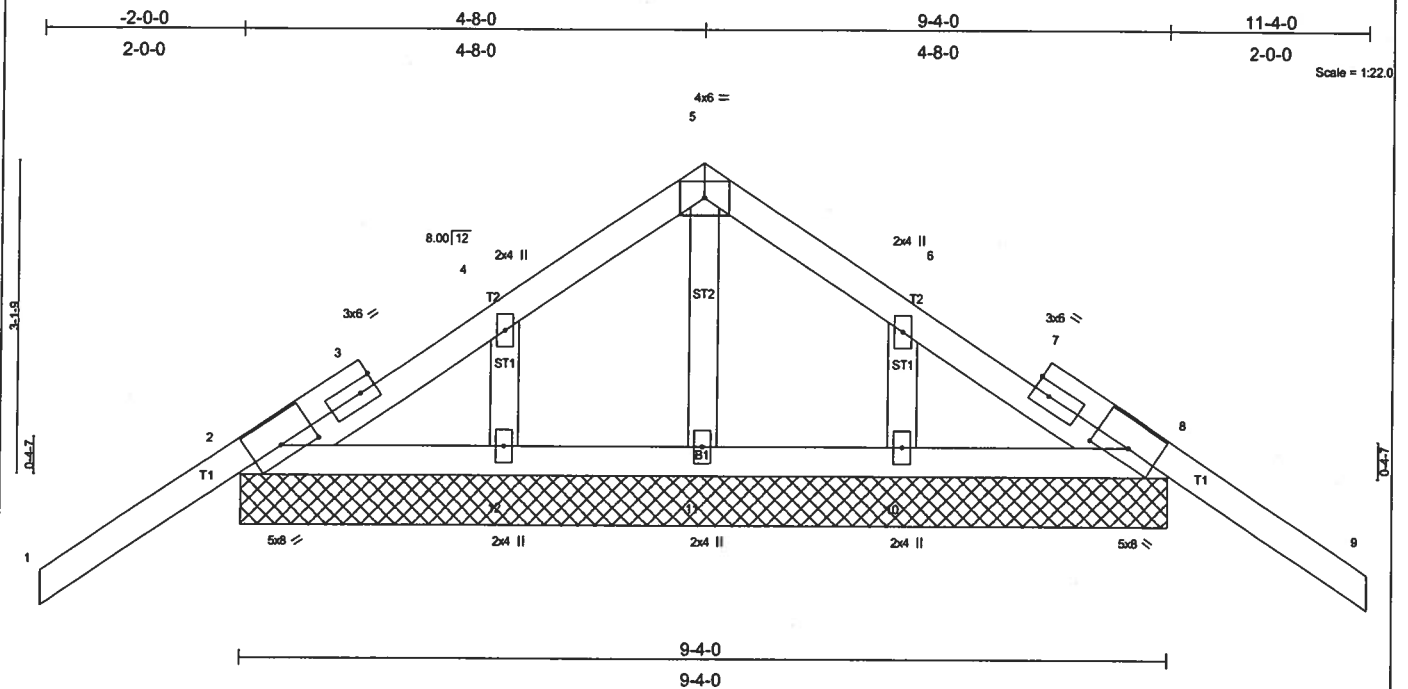


Plate Offsets (X,Y): [2-0-4-5,0-1-12], [8-0-4-5,0-1-12]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.50	In (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.07	Vert(TL) -0.05 9 n/r 120		
BCLL 10.0	Lumber Increase 1.25	WB 0.04	Vert(TL) -0.07 9 n/r 90		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.00 8 n/a n/a		
	Code FBC2004/TP12002			Weight: 48 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 10-0-0 oc bracing.

REACTIONS (lb/size) 2=511/9-4-0, 8=511/9-4-0, 11=255/9-4-0, 12=262/9-4-0, 10=262/9-4-0

Max Horz 2=104(load case 3)
Max Uplift 2=312(load case 5), 8=327(load case 6), 11=31(load case 5), 12=84(load case 6), 10=80(load case 5)
Max Grav 2=511(load case 1), 8=511(load case 1), 11=255(load case 1), 12=266(load case 9), 10=266(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension

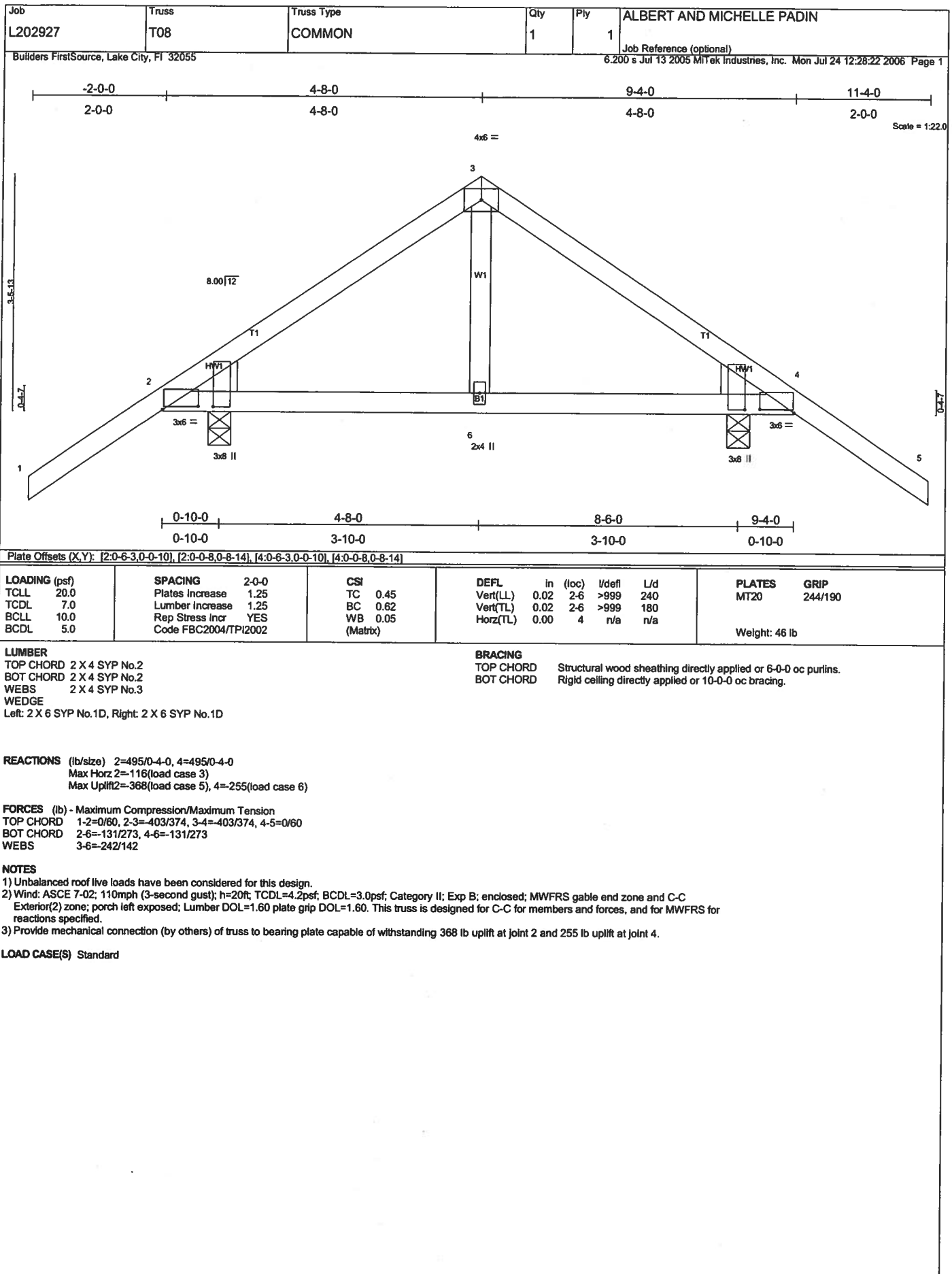
TOP CHORD 1-2=-16/123, 2-3=-127/92, 3-4=-42/93, 4-5=-103/144, 5-6=-103/144, 6-7=-42/93, 7-8=-127/92, 8-9=-16/123
BOT CHORD 2-12=-16/88, 11-12=-16/88, 10-11=-16/88, 8-10=-16/88
WEBS 5-11=-191/30, 4-12=-211/111, 6-10=-211/113

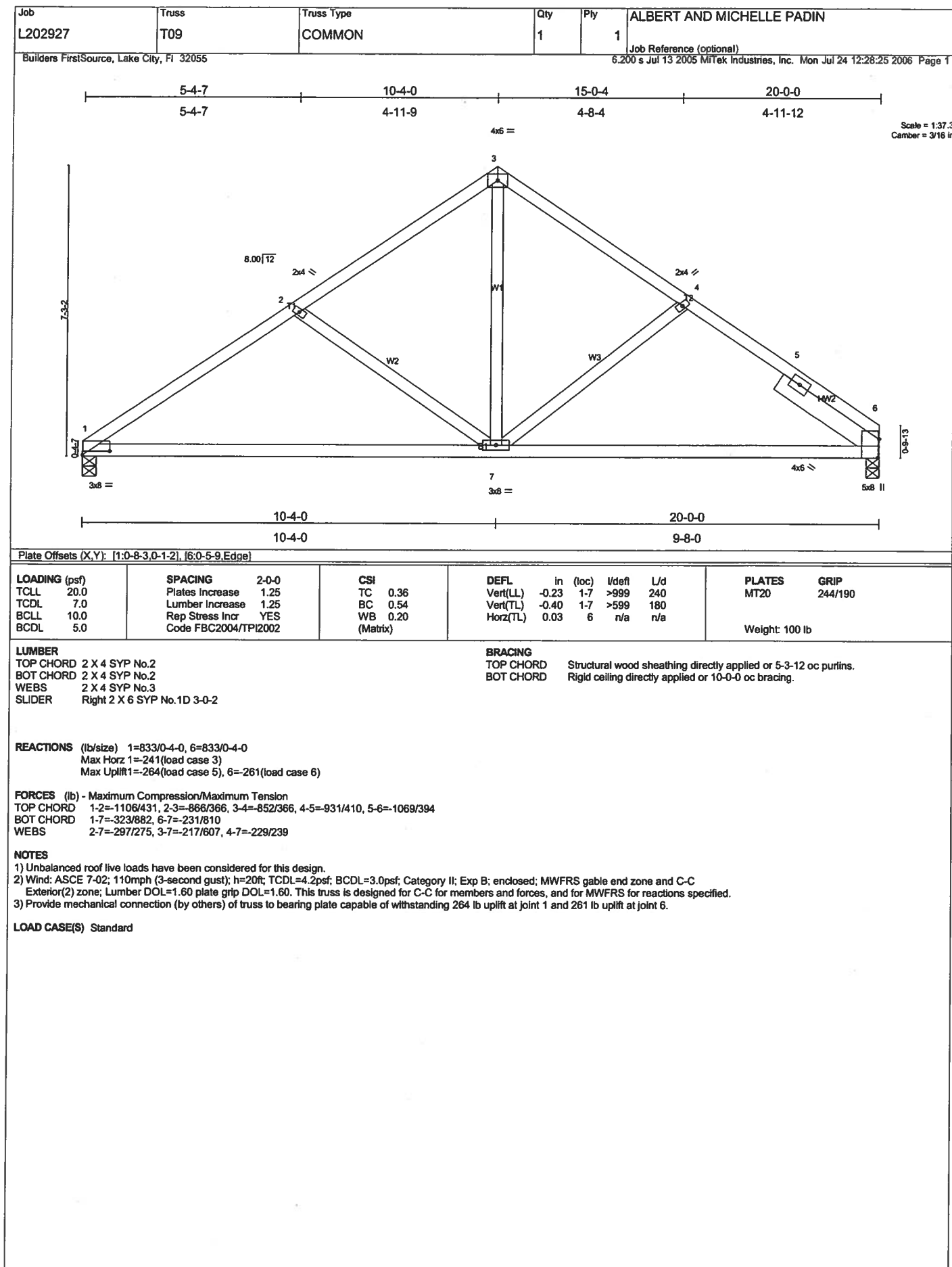
NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail".
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 312 lb uplift at joint 2, 327 lb uplift at joint 8, 31 lb uplift at joint 11, 84 lb uplift at joint 12 and 80 lb uplift at joint 10.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-114(F=-60), 5-9=-114(F=-60), 2-8=-30





Job L202927	Truss T09G	Truss Type COMMON	Qty 1	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:28:28 2006 Page 1		

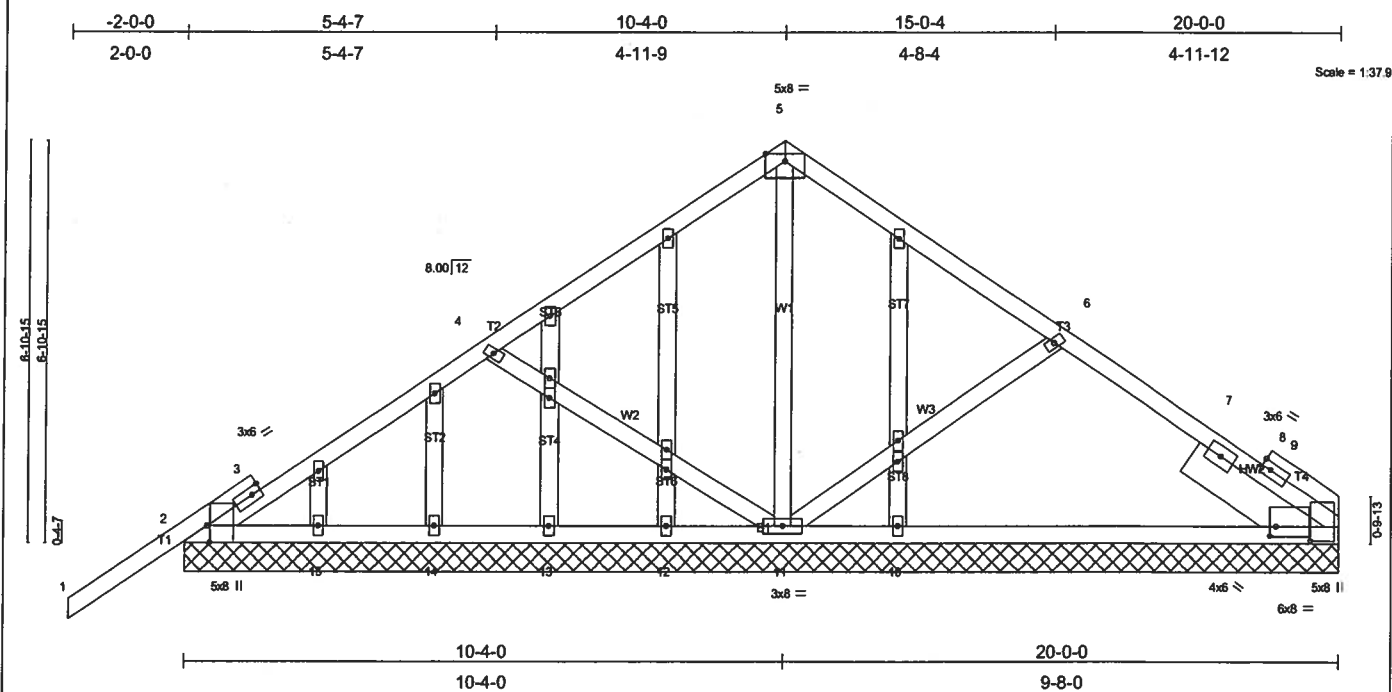


Plate Offsets (X,Y): [2:0-3-8,Edge], [9:0-3-0,0-6-15], [9:0-1-4,0-2-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.54	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.32	Vert(LL) -0.00 1 n/r 120		
BCCL 10.0	Lumber Increase 1.25	WB 0.68	Vert(TL) -0.01 1 n/r 90		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.01 9 n/a n/a		
	Code FBC2004/TPI2002			Weight: 132 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
 OTHERS 2 X 4 SYP No.3
 SLIDER Right 2 X 8 SYP No.1D 2-7-4

BRACING

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

REACTIONS (lb/size) 2=662/20-0-0, 9=294/20-0-0, 11=1410/20-0-0, 12=77/20-0-0, 13=65/20-0-0, 14=24/20-0-0, 15=180/20-0-0, 10=190/20-0-0

Max Horz 2=258(load case 4)

Max Uplift 2=365(load case 5), 9=105(load case 6), 11=681(load case 5), 15=45(load case 6)

Max Grav 2=670(load case 9), 9=334(load case 10), 11=1410(load case 1), 12=77(load case 10), 13=65(load case 1), 14=35(load case 10), 15=180(load case 1), 10=190(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-15/123, 2-3=-455/157, 3-4=-334/156, 4-5=-122/381, 5-6=-73/412, 6-7=-205/124, 7-8=-293/111, 8-9=-323/112

BOT CHORD 2-15=-171/278, 14-15=-171/278, 13-14=-171/278, 12-13=-171/278, 11-12=-171/278, 10-11=-36/237, 9-10=-36/237

WEBS 4-11=-533/365, 5-11=-893/357, 6-11=-449/324

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 365 lb uplift at joint 2, 105 lb uplift at joint 9, 681 lb uplift at joint 11 and 45 lb uplift at joint 15.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

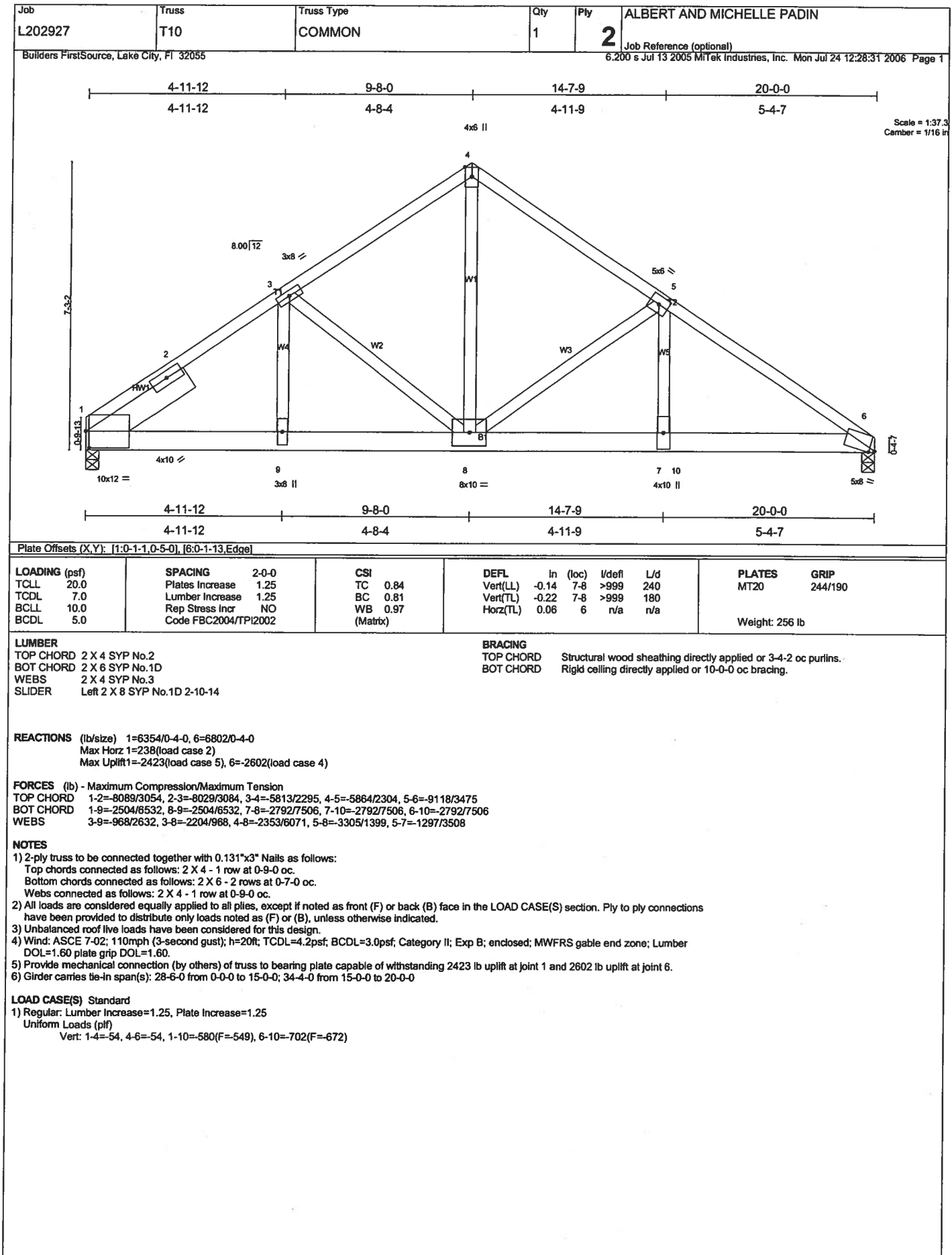
LOAD CASE(S) Standard

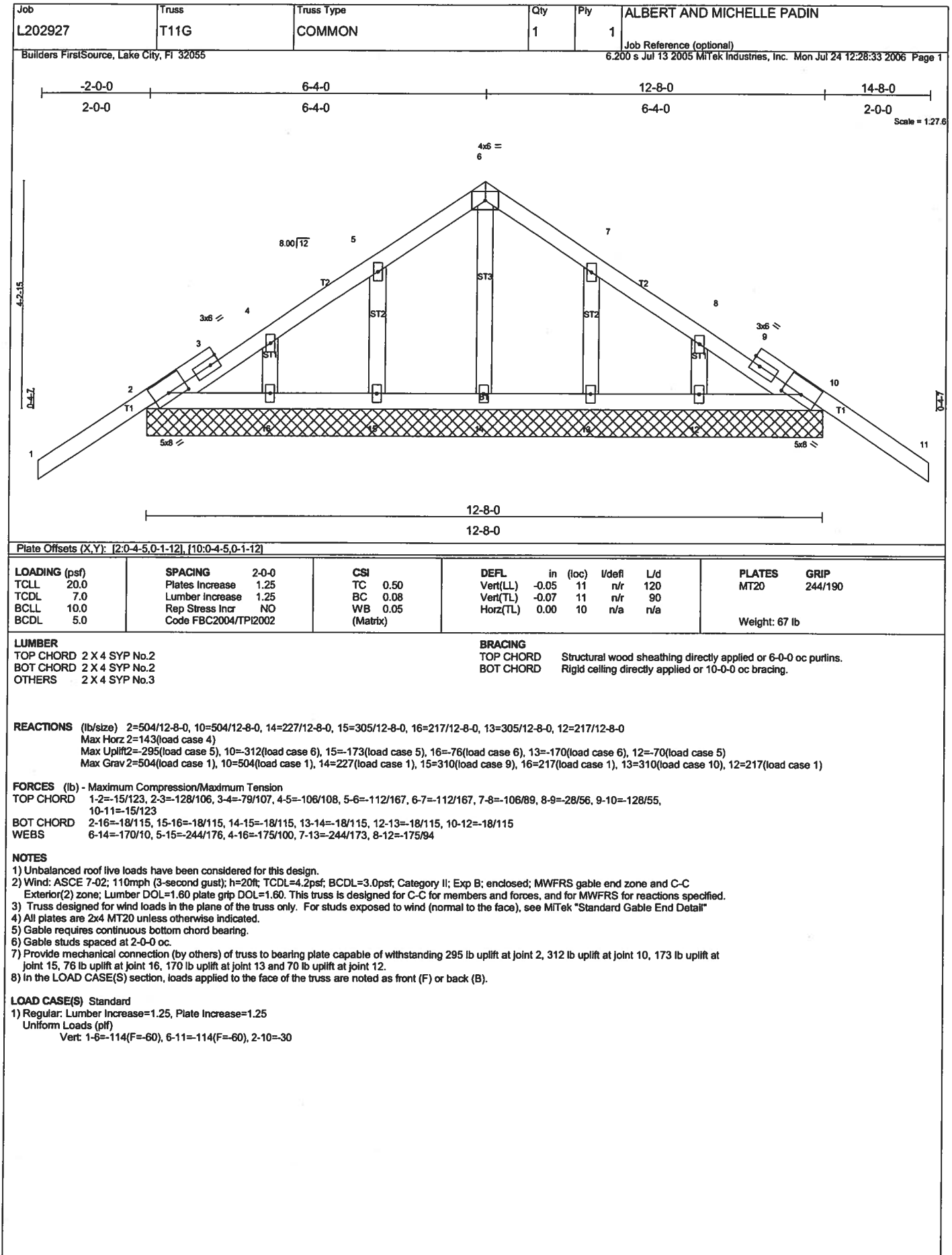
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-5=-114(F=-60), 5-6=-141(F=-87), 6-7=-54, 7-8=-57, 8-9=-55, 2-9=-30

Horz: 7-8=-4, 8-9=-1





AUGUST 2, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Job L202927	Truss T13	Truss Type COMMON	Qty 1	Ply 2	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:28:39 2006 Page 1		

Scale: 1/2"=1'

Plate Offsets (X,Y): [1:0-2-12,0-2-0], [5:0-2-12,0-2-0]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	PLATES GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.26	in (loc) l/defl L/d	MT20 244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.50	Vert(LL) -0.06 6-7 >999 240	
BCLL 10.0	Rep Stress Incr	NO	WB 0.53	Vert(TL) -0.10 6-7 >999 180	
BCDL 5.0	Code FBC2004/TP12002		(Matrix)	Horz(TL) 0.02 5 n/a n/a	
Weight: 143 lb					

LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 6 SYP No.1D WEBS 2 X 4 SYP No.3	BRACING TOP CHORD Structural wood sheathing directly applied or 5-5-14 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
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REACTIONS (lb/size) 1=4268/0-4-0, 5=4480/0-4-0
 Max Horz 1=-145(load case 2)
 Max Uplift 1=-1632(load case 4), 5=-1715(load case 5)

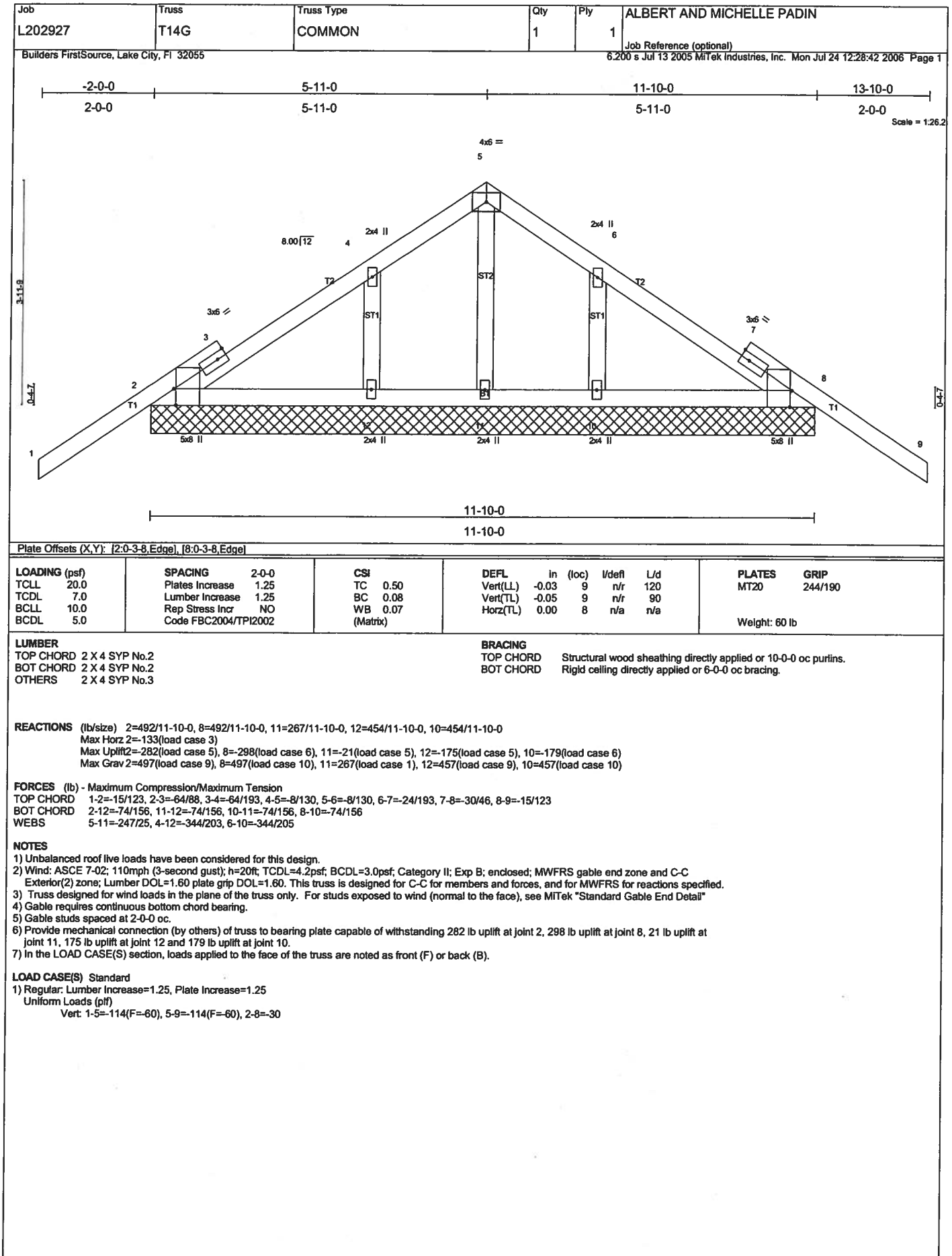
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-5410/2065, 2-3=-5322/2097, 3-4=-5470/2155, 4-5=-5556/2123
 BOT CHORD 1-7=-1709/4437, 7-8=-1140/3122, 8-9=-1140/3122, 9-10=-1705/4562
 WEBS 2-7=-74/122, 3-7=-1208/3036, 3-8=-1320/3323, 4-6=-72/124

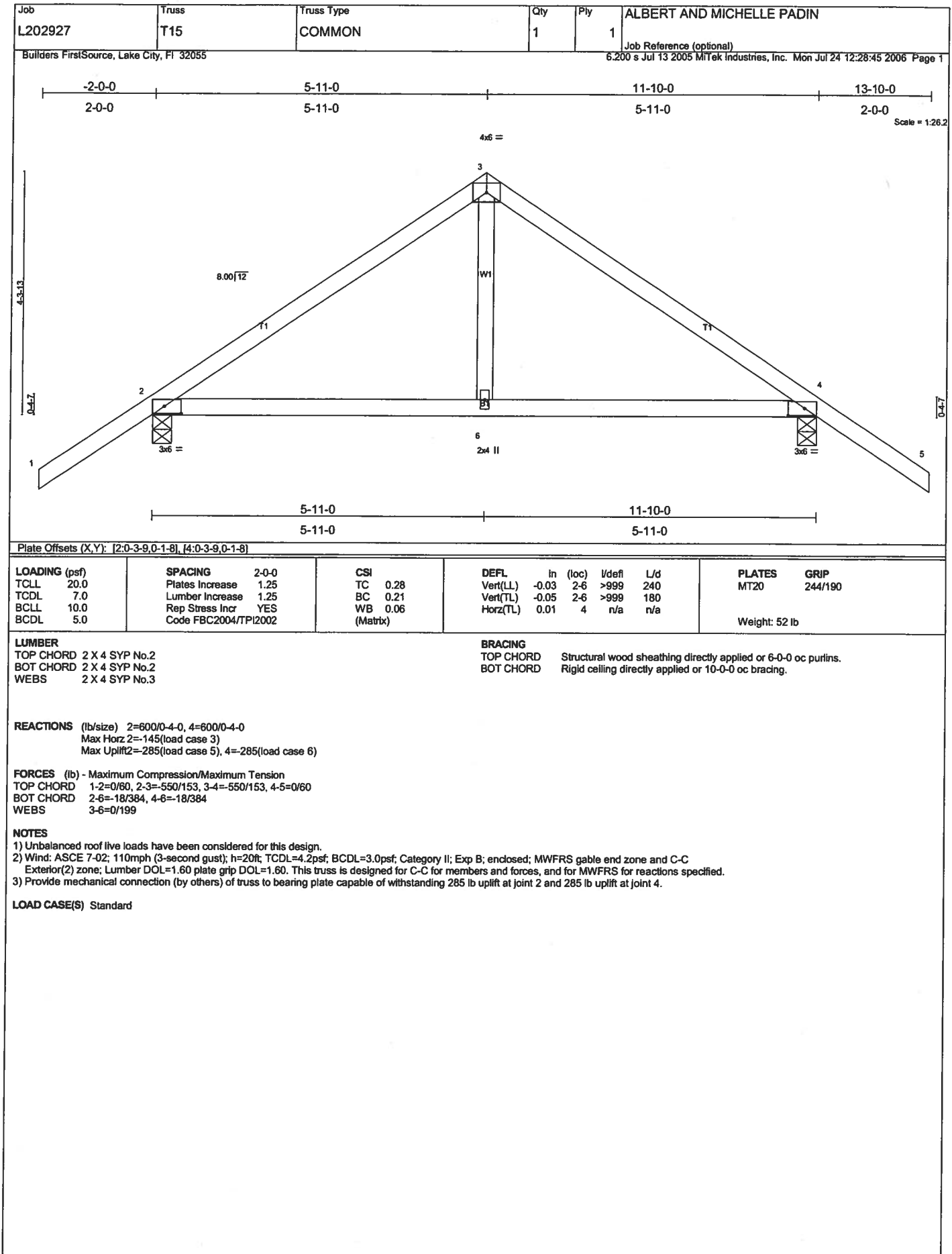
NOTES

- 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 piles, 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1632 lb uplift at joint 1 and 1715 lb uplift at joint 5.
- Girder carries tie-in span(s): 34-0-0 from 0-0-0 to 5-6-0; 30-8-0 from 5-6-0 to 12-8-0

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-54, 3-5=-54, 1-8=-625(B=-595), 5-8=-695(B=-665)





Job L202927	Truss T16	Truss Type COMMON	Qty 1	Ply 2	ALBERT AND MICHELLE PADIN Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:28:46 2006 Page 1
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Builders FirstSource, Lake City, FL 32055

Scale = 1:25.3

5x6 //

4

3 2x4 //

8.00' 12

W1 W2

B1

8 10x12 =

9 7 10x12 =

6 5x8 =

11-10-0

4-0-15 7-0-0 7-9-1 11-10-0

4-0-15 2-11-1 0-9-1 4-0-15

Plate Offsets (X,Y): [2:0-4-0,0-1-9], [6:0-4-0,0-1-9]

LOADING (psf) TCCL 20.0 TCCL 7.0 BCCL 10.0 BCCL 5.0	SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr NO Code FBC2004/TP12002	CSI TC 0.19 BC 0.25 WB 0.66 (Matrix)	DEFL in (loc) l/defl L/d Vert(LL) -0.05 7-8 >999 240 Vert(TL) -0.08 7-8 >999 180 Horiz(TL) 0.01 6 n/a n/a
PLATES MT20 GRIP 244/190 Weight: 157 lb			

LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 8 SYP 2400F 2.0E WEBS 2 X 4 SYP No.3	BRACING TOP CHORD Structural wood sheathing directly applied or 5-10-6 oc purlins. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
--	--

REACTIONS (lb/size) 6=4069/0-4-0, 2=2144/0-4-0
 Max Horiz 2=166(load case 3)
 Max Uplift 6=1533(load case 5), 2=-877(load case 4)

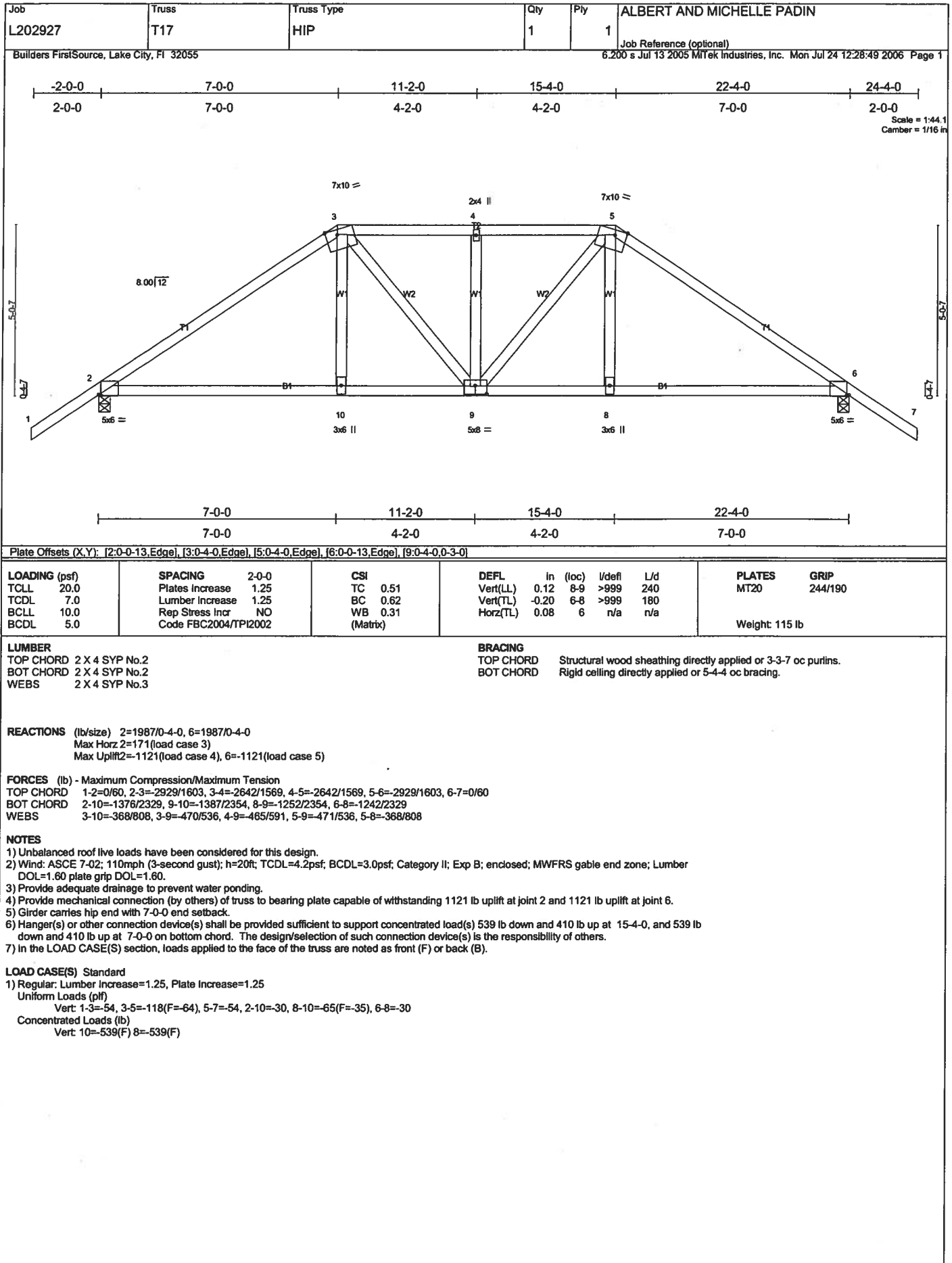
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/65, 2-3=-3446/1251, 3-4=-3356/1272, 4-5=-5094/1958, 5-6=-5174/1930
 BOT CHORD 2-8=-998/2809, 8-9=-842/2453, 7-9=-842/2453, 6-7=-1552/4264
 WEBS 3-8=-59/108, 4-8=-250/773, 4-7=-1601/4131, 5-7=-68/117

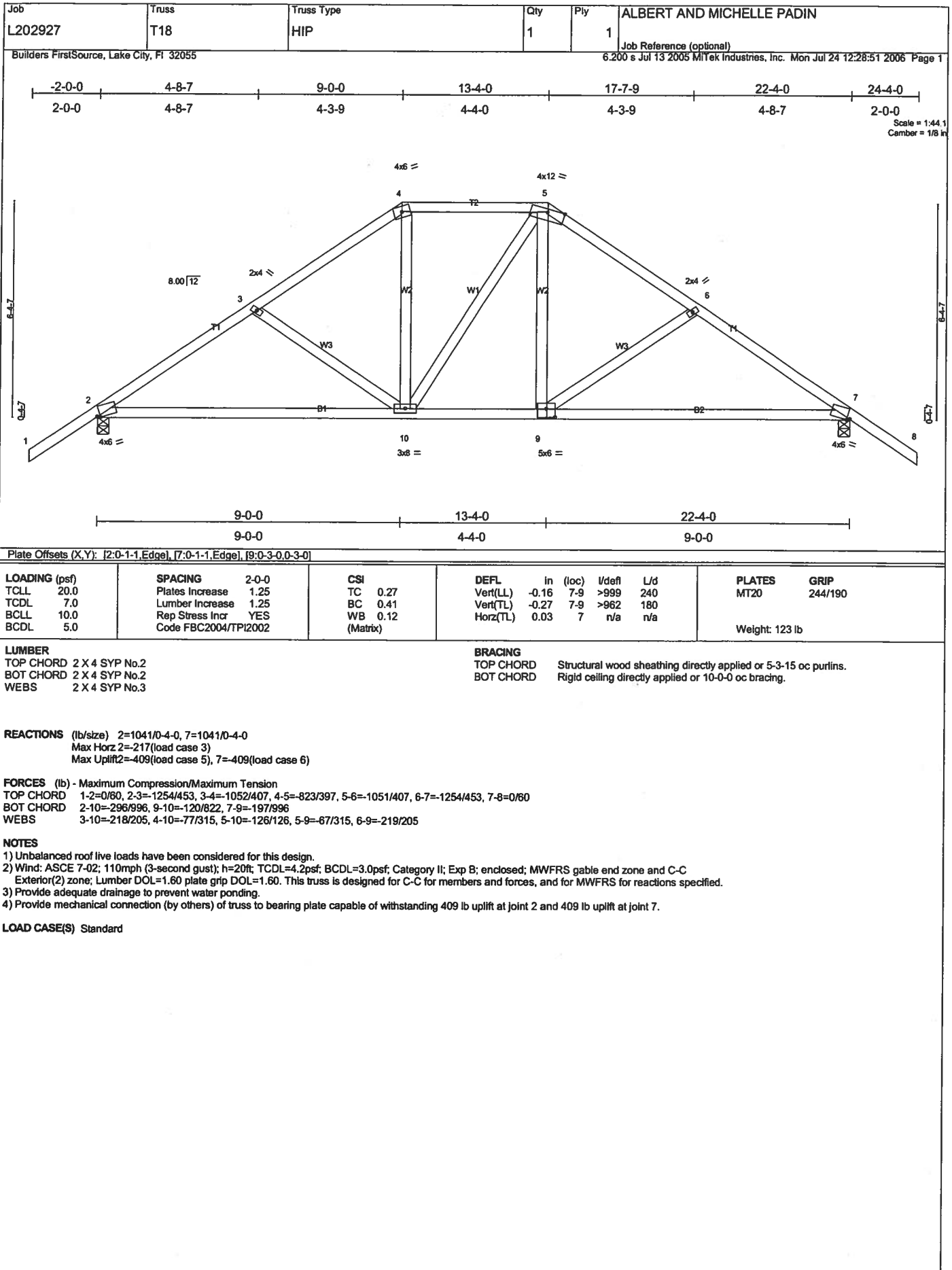
NOTES

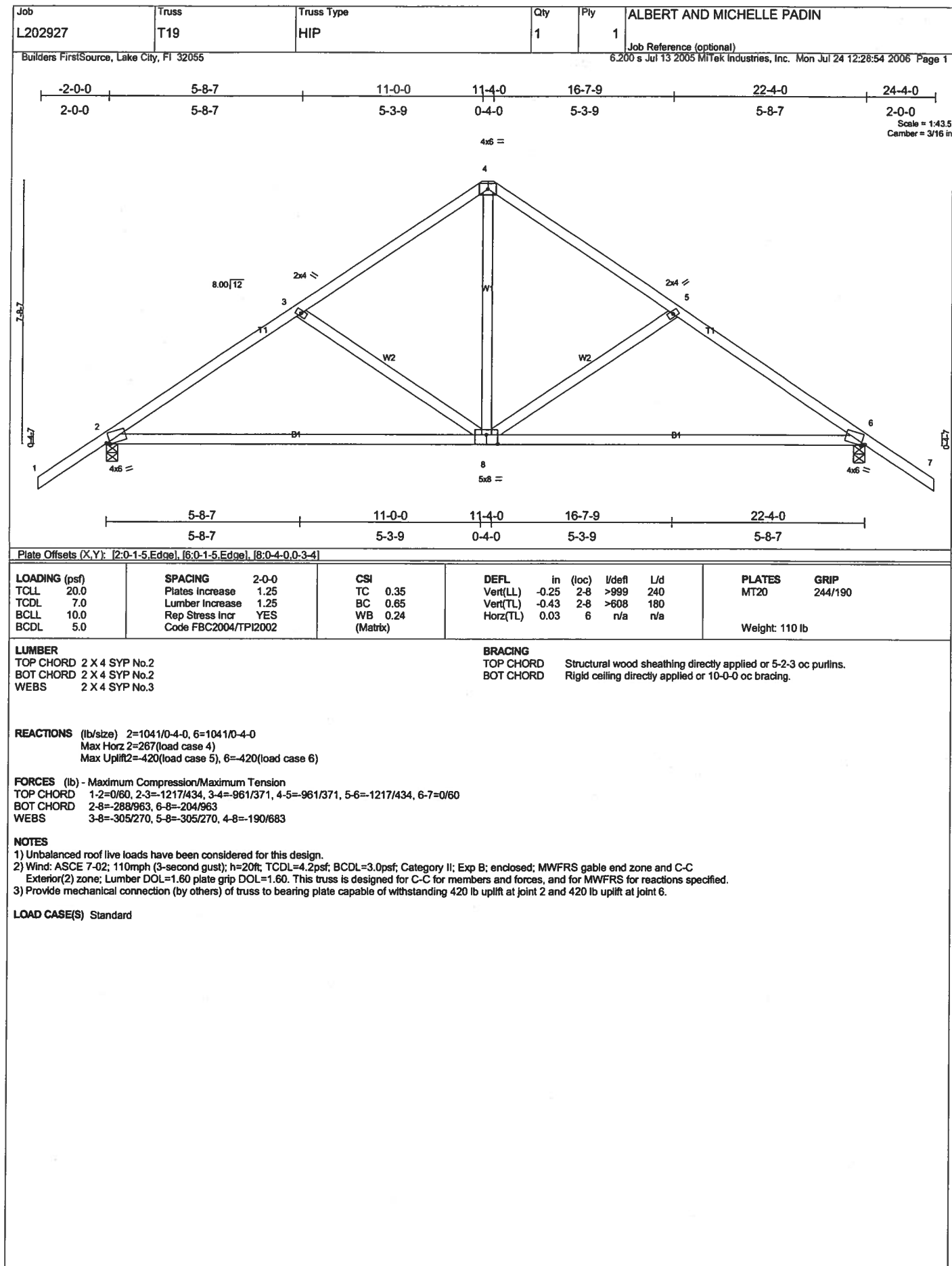
- 2-ply truss to be connected together with 0.131"x3" Nails as follows:
 Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2 X 8 - 2 rows at 0-4-0 oc.
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all 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; BCCL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1533 lb uplift at joint 6 and 877 lb uplift at joint 2.
- Girder carries tie-in span(s): 30-8-0 from 8-0-0 to 11-10-0
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2802 lb down and 1058 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

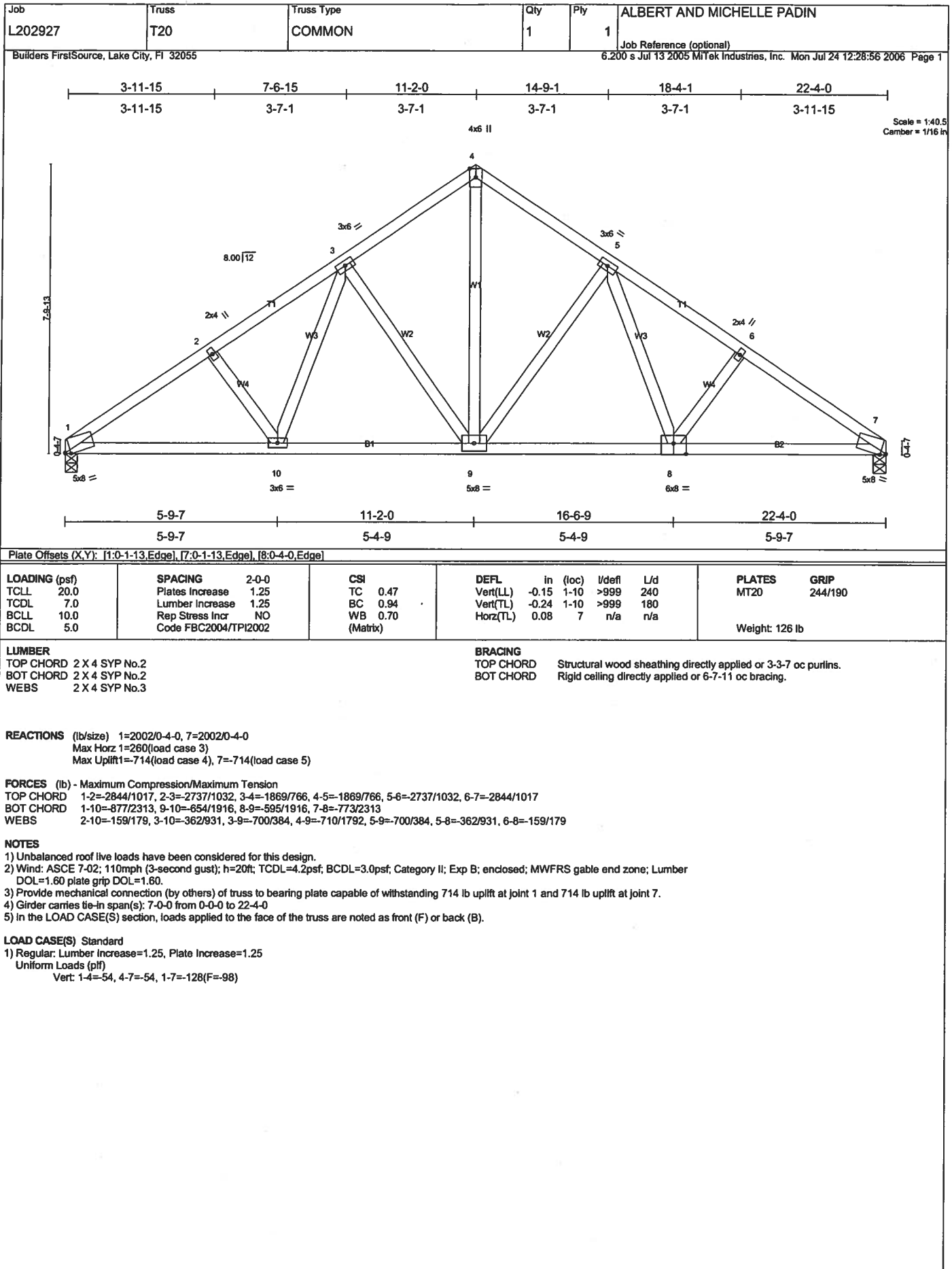
LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-54, 4-6=-54, 2-7=-30, 6-7=-625(F=-595)
 Concentrated Loads (lb)
 Vert: 9=2802(F)









Job	Truss	Truss Type	Qty	Ply	ALBERT AND MICHELLE PADIN
L202927	T21	HIP	1	2	Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:28:59 2006 Page 1

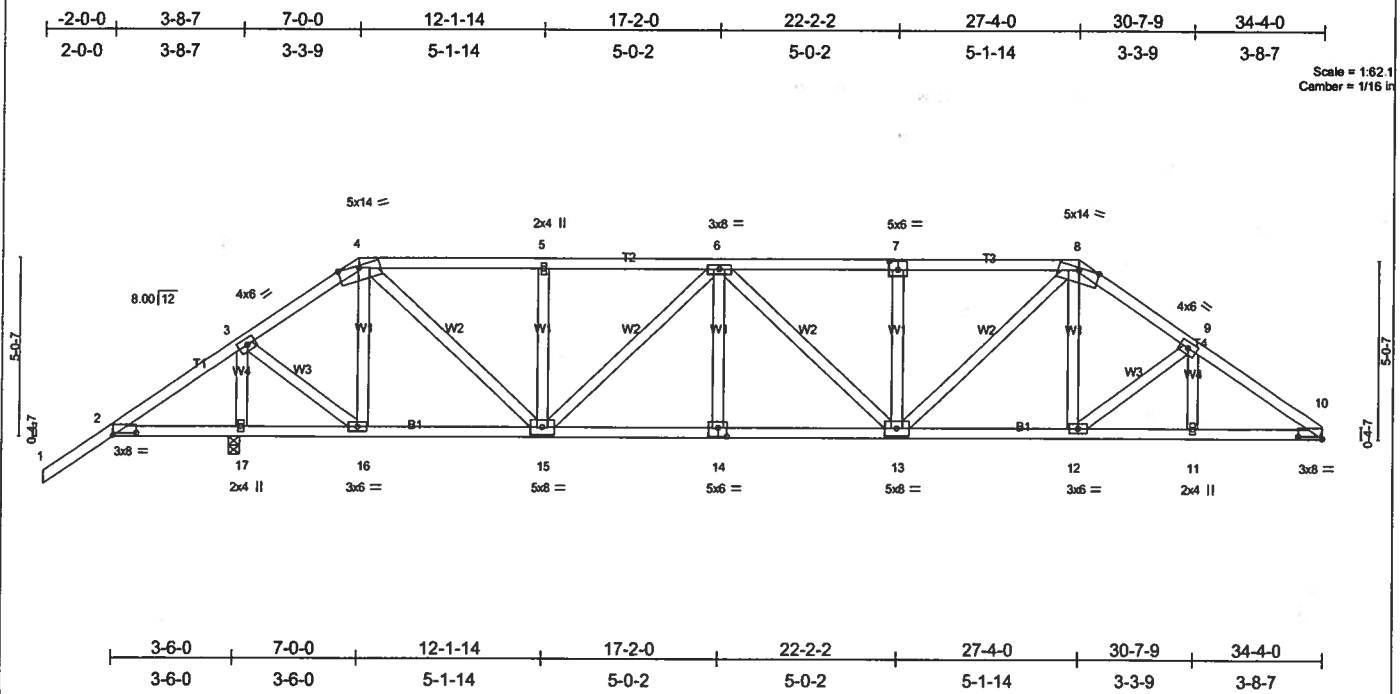


Plate Offsets (X,Y): [2:0-8-3-0-0-14], [7:0-3-0-0-3-0], [10:0-8-3-0-0-14], [14:0-3-0-0-3-0]									
LOADING (psf)		SPACING		2-0-0		CSI		DEFL	
TCLL	20.0	Plates Increase		1.25		TCI		in (loc) l/defl L/d	
TCDL	7.0	Lumber Increase		1.25		BC		Vert(LL) -0.15 13-14 >999 240	
BCLL	10.0	Rep Stress Incr		NO		WB		Vert(TL) -0.24 13-14 >999 180	
BCDL	5.0	Code FBC2004/TPI2002				(Matrix)		Horz(TL) 0.08 10 n/a n/a	
								PLATES	GRIP
								MT20	244/190
								Weight: 401 lb	

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

REACTIONS (lb/size) 10=2802/Mechanical, 17=3415/0-4-0
 Max Horz 17=-578(load case 2)
 Max Uplift 10=-1586(load case 2), 17=-1978(load case 4)
 Max Grav 10=2816(load case 9), 17=3415(load case 1)

FORCES (lb) - Maximum Compressor/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=428/519, 3-4=2319/1522, 4-5=3785/2443, 5-6=3784/2444, 6-7=4437/2904, 7-8=4438/2903, 8-9=4004/2472, 9-10=4526/2564
BOT CHORD 2-17=388/497, 16-17=388/784, 15-16=879/1916, 14-15=2496/4584, 13-14=2496/4584, 12-13=1613/3272, 11-12=1940/3626, 10-11=1940/3626
WEBS 3-17=3300/1939, 3-16=1656/2780, 4-16=899/626, 4-15=1643/2552, 5-15=615/680, 6-15=1124/731, 6-14=0/321, 6-13=226/174, 7-13=602/663, 8-13=1049/1612, 8-12=251/571, 9-12=461/513, 9-11=0/222

NOTES

- 1) 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.
 - 2) 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.
 - 3) Unbalanced roof live loads have been considered for this design.
 - 4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60.
 - 5) Provide adequate drainage to prevent water ponding.
 - 6) Refer to girder(s) for truss to truss connections.
 - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1586 lb uplift at joint 10 and 1978 lb uplift at joint 17.
 - 8) Girder carries hip and with 0-0-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
 - 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 410 lb up at 7-0-0 on bottom chord.
- The design/selection of such connection device(s) is the responsibility of others.

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), 8-10=118(F=64), 2-16=30, 10-16=65(F=35)
Concentrated Loads (lb)
Vert: 16=539(F)

**AUGUST 2, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549**

Job L202927	Truss T22	Truss Type HIP	Qty 1	Ply 1	ALBERT AND MICHELLE PADIN Job Reference (optional) Builders FirstSource, Lake City, FL 32055
			6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:29:00 2006 Page 1		

-2-0-0 3-6-0 9-0-0 14-5-5 19-10-11 25-4-0 29-7-9 34-4-0
 2-0-0 3-6-0 5-6-0 5-5-5 5-5-5 5-5-5 4-3-9 4-8-7

Scale = 1:62.1
 Camber = 1/8 in

3-6-0 9-0-0 17-2-0 25-4-0 34-4-0
 3-6-0 5-6-0 8-2-0 8-2-0 9-0-0

Plate Offsets (X,Y): [2:0-6-3,0-0-10], [9:0-8-3,0-1-2], [11:0-3-0,0-3-0]									
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP				
TCLL 20.0	2-0-0	TC 0.33	in (loc)	MT20	244/190				
TCDL 7.0	Plates Increase 1.25	BC 0.54	Vert(LL) -0.19 9-10 >999 240						
BCLL 10.0	Lumber Increase 1.25	WB 0.95	Vert(TL) -0.33 9-10 >999 180						
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.06 9 n/a n/a						
	Code FBC2004/TP12002					Weight: 190 lb			

LUMBER

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-1-14 oc purlins.

BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 9=1258/Mechanical, 2=-19/0-4-0, 13=1742/0-4-0

Max Horz 2=240(load case 4)

Max Uplift 9=-382(load case 3), 2=-189(load case 10), 13=-652(load case 4)

Max Grav 9=1258(load case 1), 2=49(load case 4), 13=1742(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/60, 2-3=-273/512, 3-4=-1133/466, 4-5=-883/460, 5-6=-1532/693, 6-7=-1362/632, 7-8=-1688/687, 8-9=-1899/746

BOT CHORD 2-13=-385/259, 12-13=-385/259, 11-12=-576/1396, 10-11=-580/1562, 9-10=-541/1541

WEBS 3-13=-1620/672, 3-12=-448/1351, 4-12=-124/340, 5-12=-826/442, 5-11=-68/348, 6-11=-90/121, 6-10=-390/315, 7-10=-192/639, 8-10=-235/242

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- Provide adequate drainage to prevent water ponding.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 382 lb uplift at joint 9, 189 lb uplift at joint 2 and 652 lb uplift at joint 13.

LOAD CASE(S) Standard

Job L202927	Truss T23	Truss Type HIP	Qty 1	Ply 1	ALBERT AND MICHELLE PADIN
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Builders FirstSource, Lake City, FL 32055

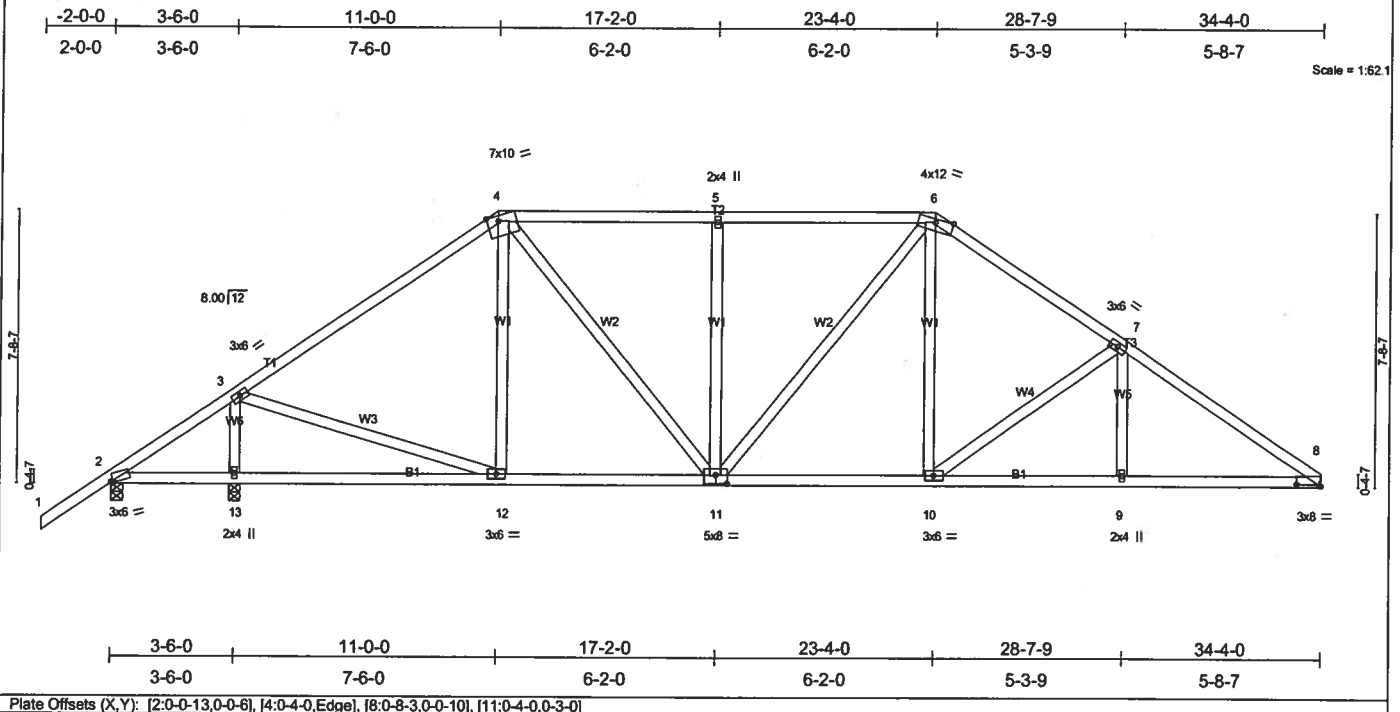
Job Reference (optional)
6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:29:02 2006 Page 1

Plate Offsets (X,Y): [2:0-0,13:0-0-6], [4:0-4-0,Edge], [8:0-8-3,0-0-10], [11:0-4-0,0-3-0]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.40	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.47	Vert(LL) -0.10 10-11 >999 240		
BCLL 10.0	Rep Stress Incr YES	WB 0.51	Vert(TL) -0.16 10-11 >999 180		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)	Horz(TL) 0.05 8 n/a n/a		
				Weight: 201 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 4-2-12 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 8=1276/Mechanical, 2=140/0-4-0, 13=1566/0-4-0

Max Horz 2=286(load case 4)
 Max Uplift 8=384(load case 6), 2=170(load case 5), 13=514(load case 4)
 Max Grav 8=1276(load case 1), 2=165(load case 9), 13=1566(load case 1)

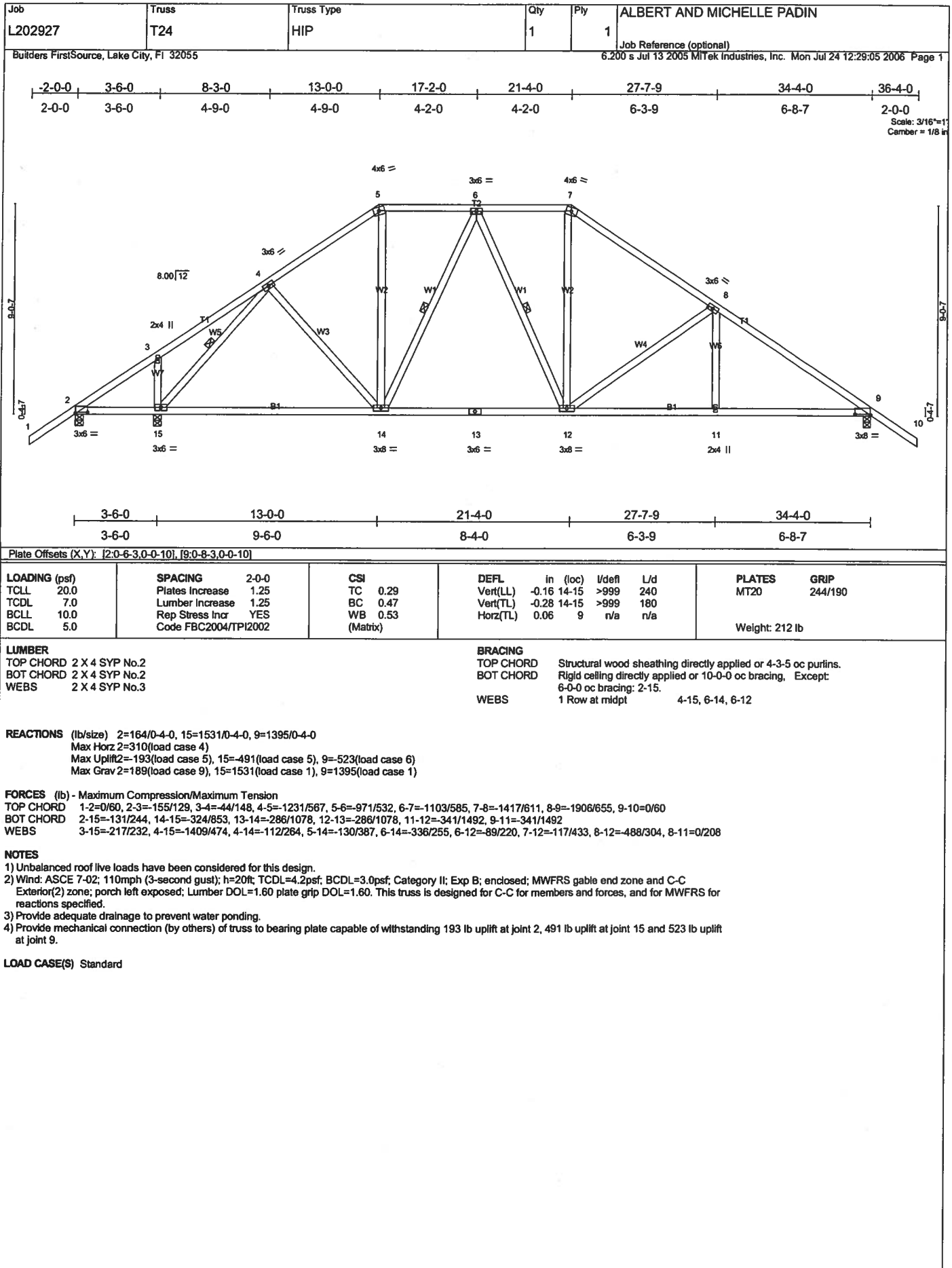
FORCES (lb) - Maximum Compression/Maximum Tension

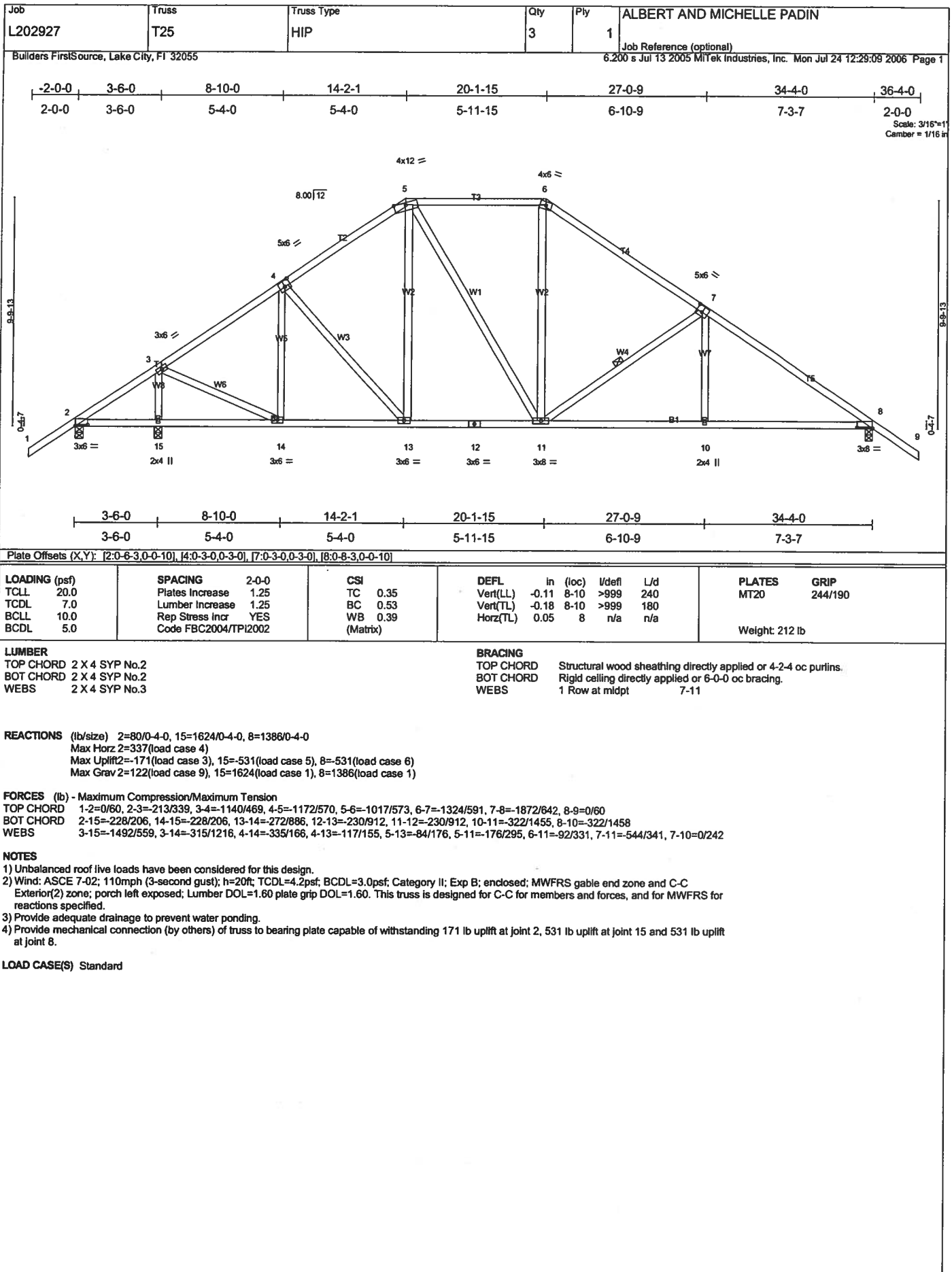
TOP CHORD 1-2=0/60, 2-3=183/176, 3-4=1303/527, 4-5=1317/649, 5-6=1317/649, 6-7=1560/665, 7-8=1989/724
 BOT CHORD 2-13=113/162, 12-13=113/162, 11-12=375/989, 10-11=298/1239, 9-10=507/1580, 8-9=507/1580
 WEBS 3-13=1386/629, 3-12=303/1122, 4-12=121/133, 4-11=323/590, 5-11=346/320, 6-11=231/237, 6-10=128/418, 7-10=430/290,
 7-9=0/191

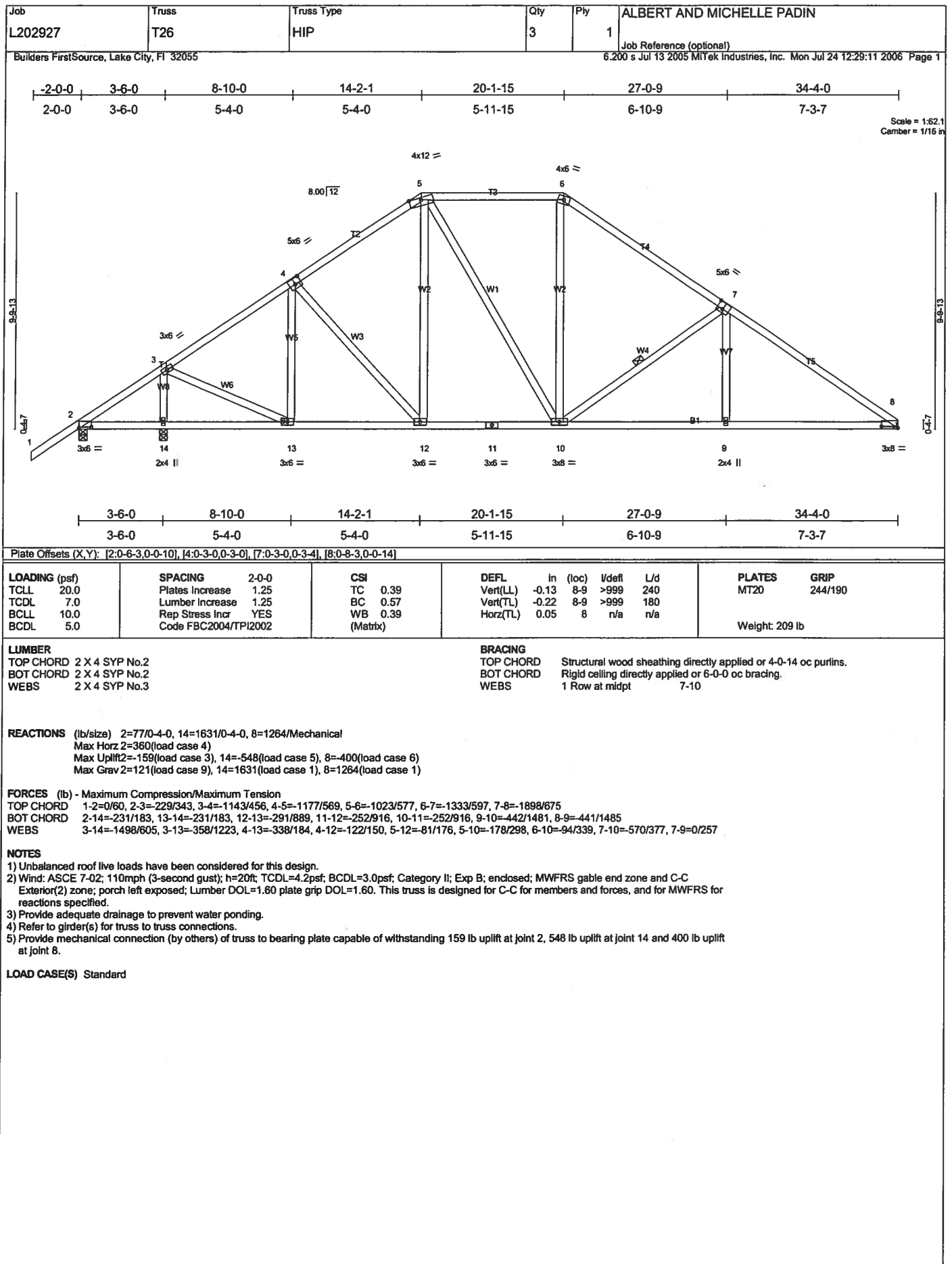
NOTES

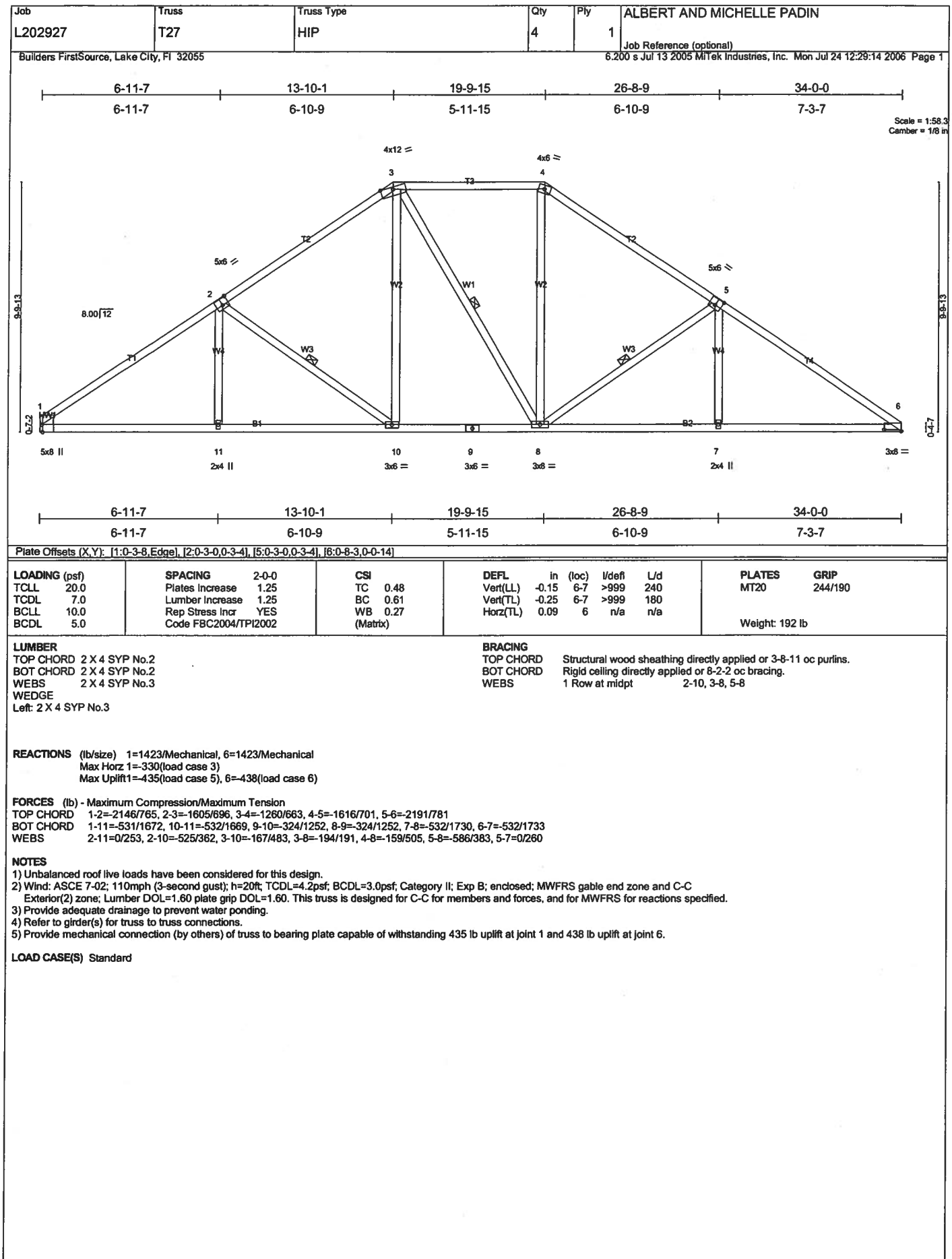
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 384 lb uplift at joint 8, 170 lb uplift at joint 2 and 514 lb uplift at joint 13.

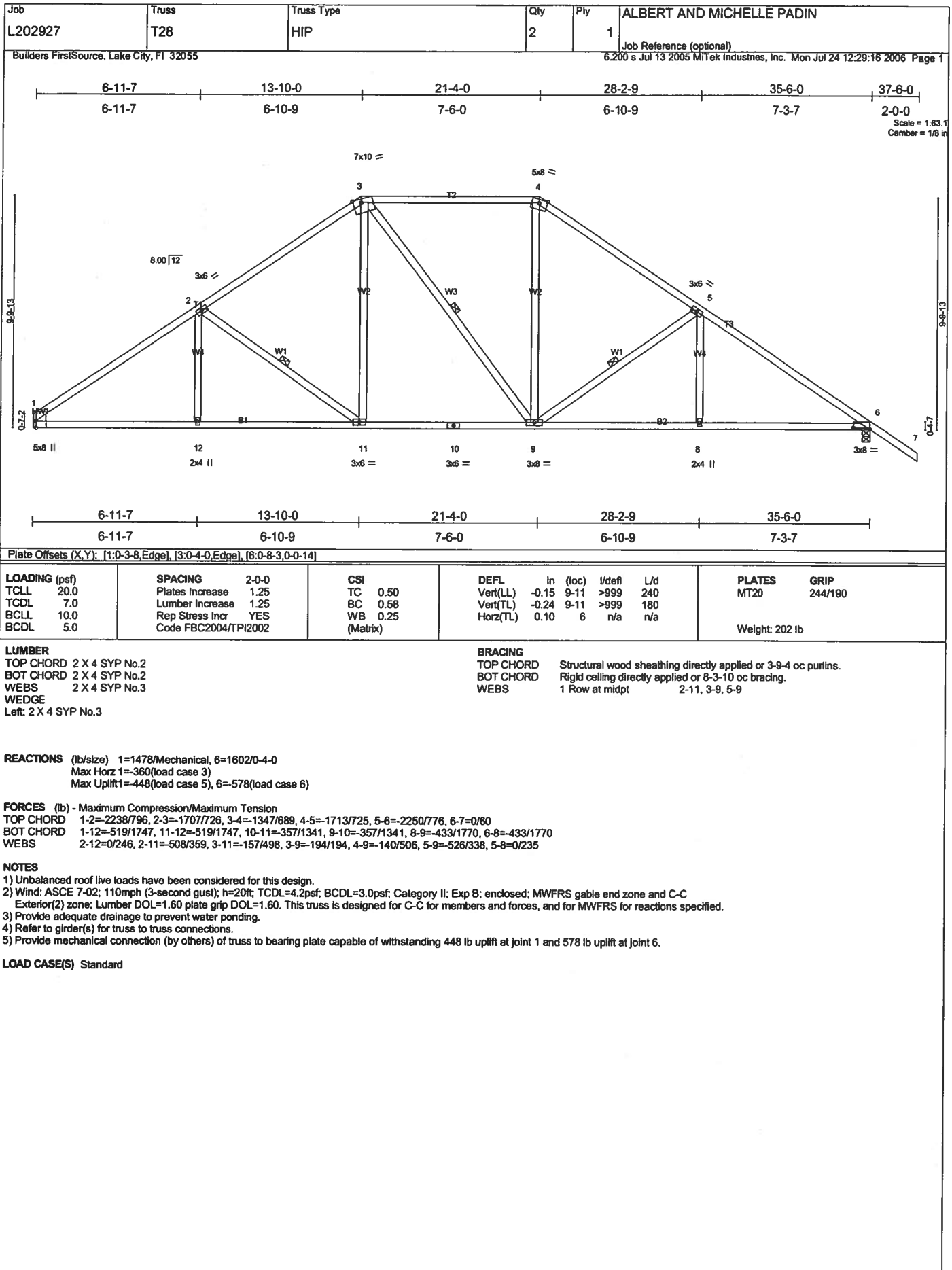
LOAD CASE(S) Standard











Job L202927	Truss T30	Truss Type HIP	Qty 1	Ply 2	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:29:20 2006 Page 1		

Plate Offsets (X,Y): [1:0-3-9,0-1-8], [6:0-3-9,0-1-8]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.14	in (loc)	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.36	Vert(LL) -0.07 8-9 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.21	Vert(TL) -0.11 8-9 >999 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.03 6 n/a n/a		
	Code FBC2004/TP12002			Weight: 164 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=1556/0-4-0, 6=1556/0-4-0
 Max Horz 1=74(load case 2)
 Max Uplift 1=702(load case 3), 6=702(load case 2)

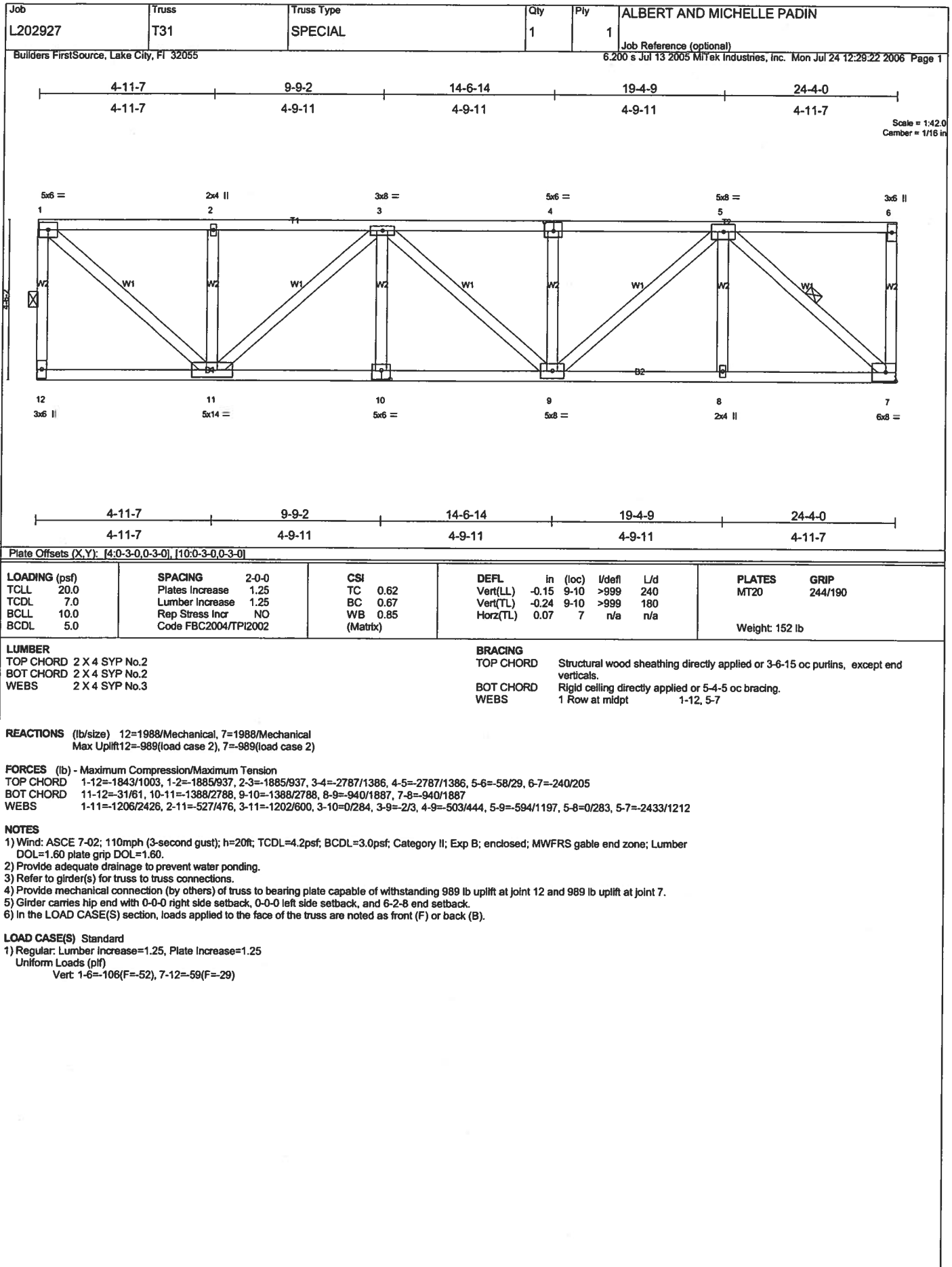
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=2340/1096, 2-3=3049/1486, 3-4=3048/1486, 4-5=1956/957, 5-6=2340/1096
 BOT CHORD 1-10=932/1878, 9-10=943/1911, 8-9=1475/3047, 7-8=1475/3047, 6-7=858/1879
 WEBS 2-10=175/477, 2-9=703/1339, 3-9=226/220, 4-9=21/23, 4-8=113/421, 4-7=1300/686, 5-7=504/1129

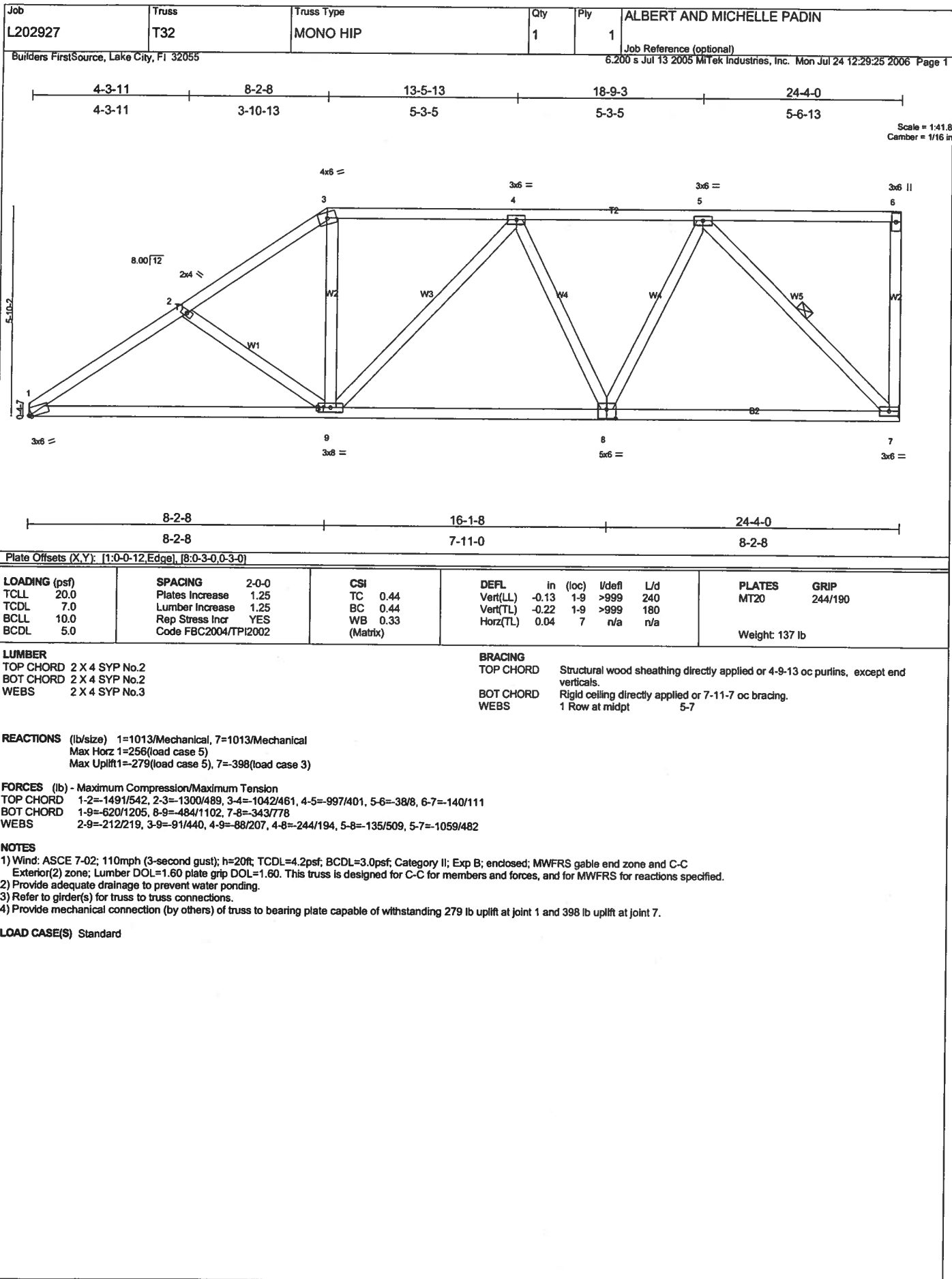
NOTES

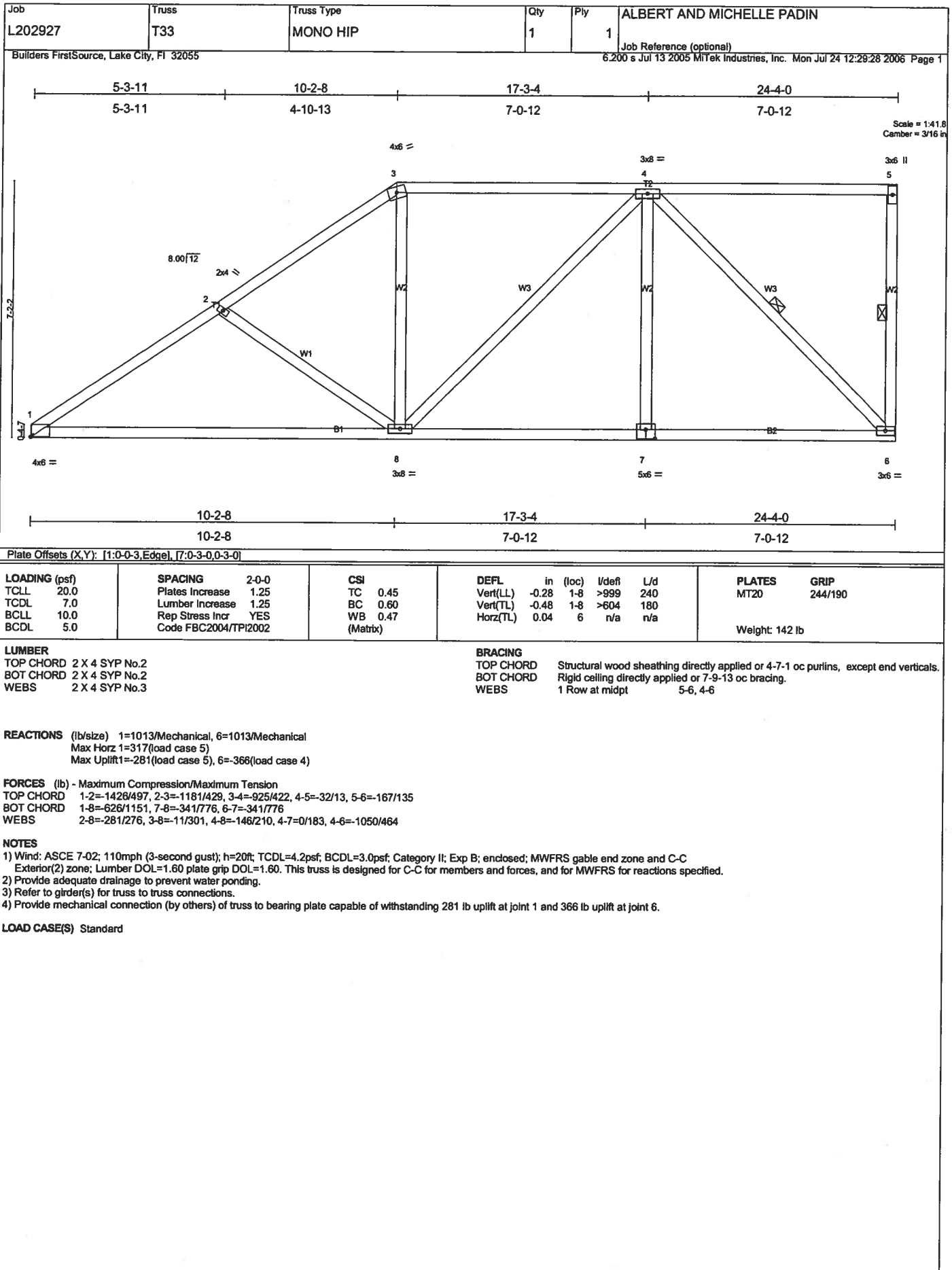
- 2-ply truss to be connected together with 0.131"x3" Nails as follows:
 Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
 Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
 Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
- All loads are considered equally applied to all 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.
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 702 lb uplift at joint 1 and 702 lb uplift at joint 6.
- Girder carries tie-in span(s): 6-2-3 from 0-0-0 to 17-4-0
- Girder carries hip end with 3-1-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 68 lb down and 52 lb up at 14-3-0, and 68 lb down and 52 lb up at 3-1-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

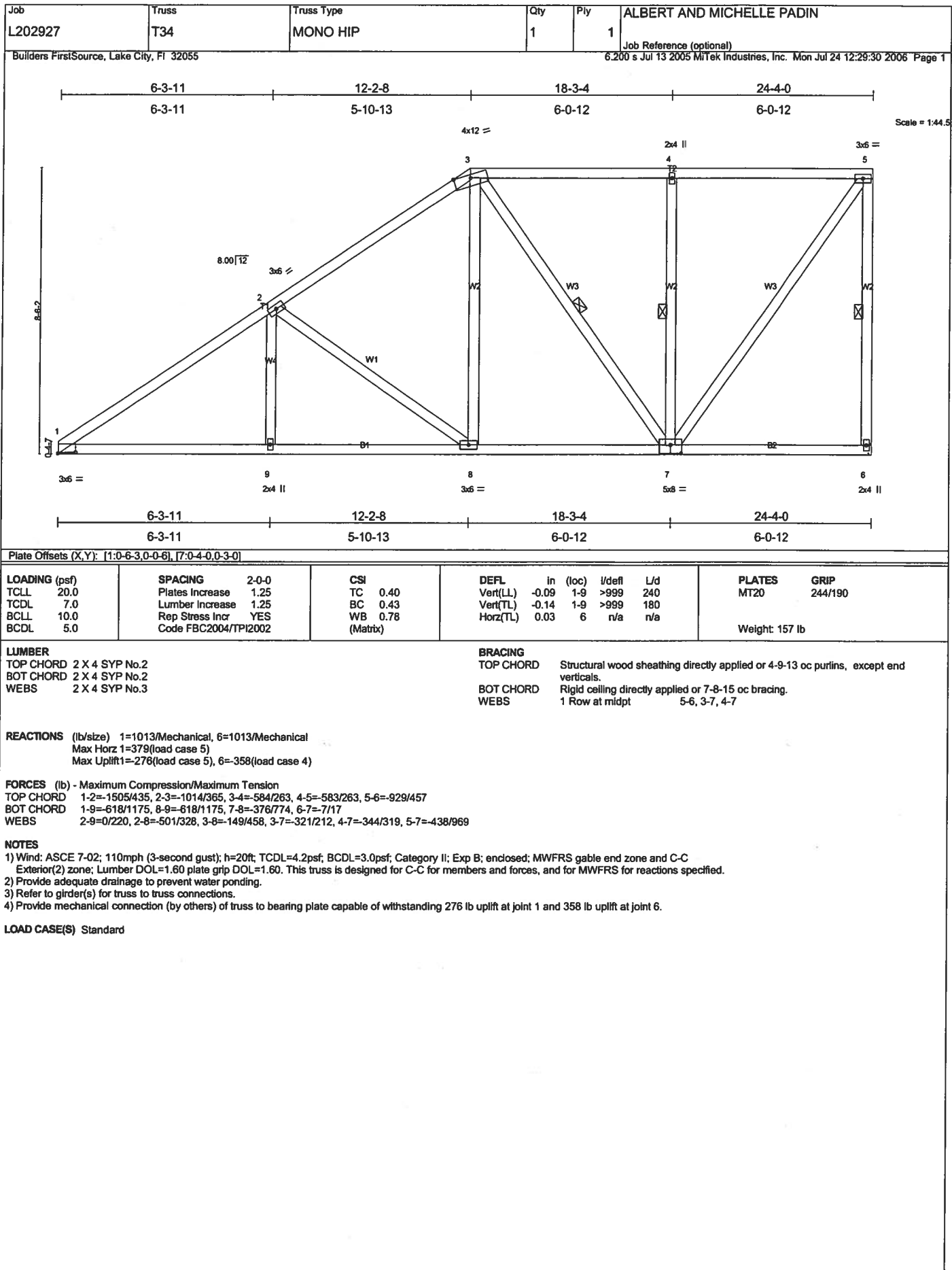
LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=54, 2-5=64(F=10), 5-6=54, 1-10=111(B=81), 7-10=116(F=6, B=81), 6-7=111(B=81)
 Concentrated Loads (lb)
 Vert: 10=68(F) 7=68(F)









Job	Truss	Truss Type	Qty	Ply	ALBERT AND MICHELLE PADIN
L202927	T36	HIP	1	1	
Buildings FirstSource Lake City, FL 32065					Job Reference (optional)

6 200 s. Jul 13 2005 Mitek Industries Inc Mon Jul 24 12:29:36 2006 Page 1

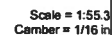


Plate Offsets (X,Y): [1:0-6-3.0-0-10], [9:0-4-0.0-3-0]

LOADING (psf)	SPACING 2-0-0	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.34	Vert(LL) -0.14	1-10	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.46	Vert(TL) -0.23	1-10	>999	180		
BCLL 10.0	Rep Stress Incr YES	WB 0.96	Horz(TL) 0.03	7	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)					Weight: 187 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 4-9-4 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 7-6-2 oc bracing.
WEBS	1 Row at midpt 3-9, 5-8, 6-7

REACTIONS

(lb/size) 1=1010/0-3-8, 7=1010/Mechanical
Max Horz 1=464(load case 5)
Max Uplift 1=-265(load case 5), 7=-385(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

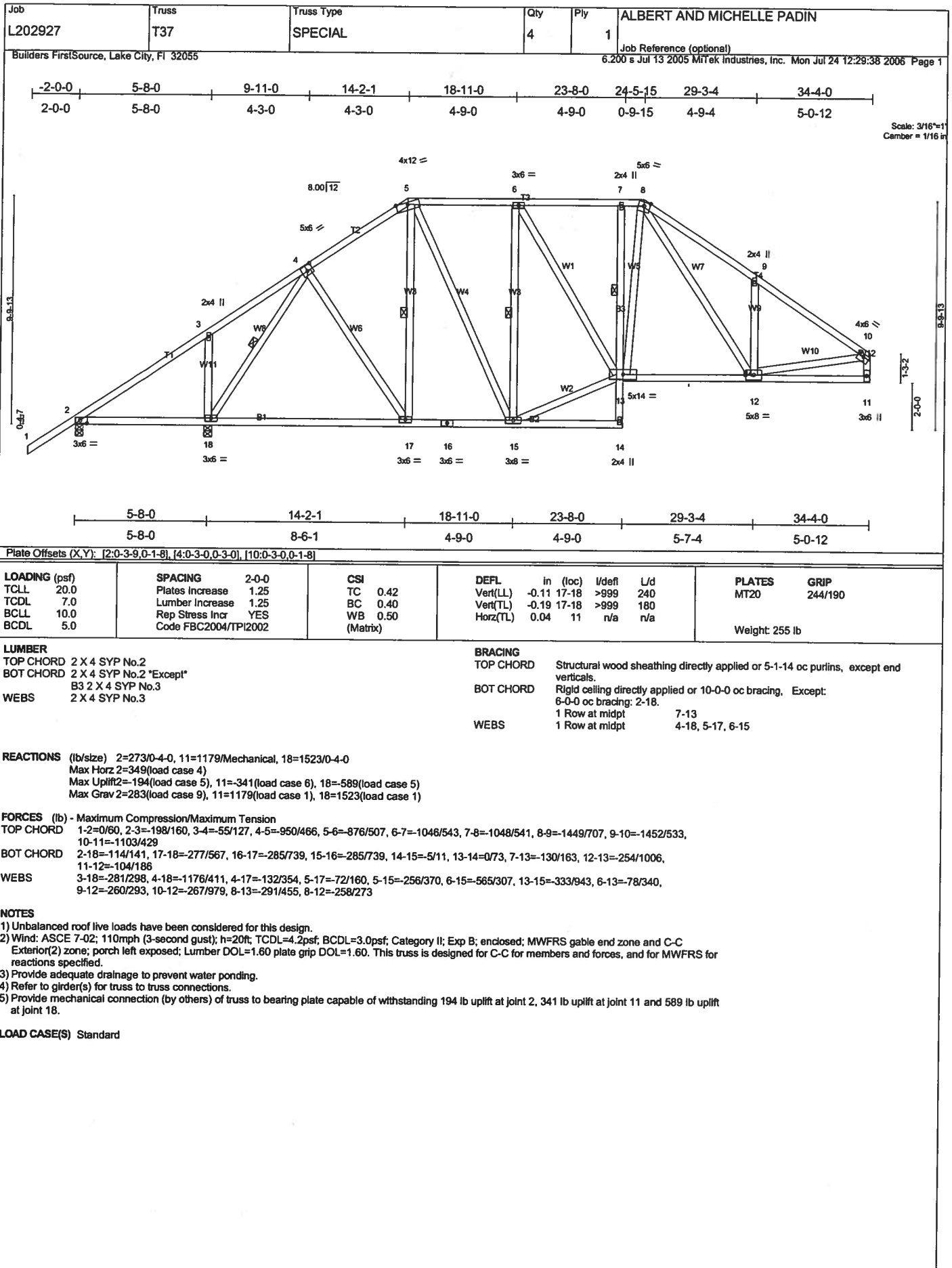
TOP CHORD 1-2=-1444/387, 2-3=-1287/405, 3-4=-693/274, 4-5=-516/295, 5-6=-188/97, 6-7=-988/439
BOT CHORD 1-10=-676/1149, 9-10=-454/827, 8-9=-71/163, 7-8=-3/6
WEBS 2-10=-257/270, 3-10=-190/510, 3-9=-524/372, 4-9=0/121, 5-9=-354/723, 5-8=-777/427, 6-8=-391/897

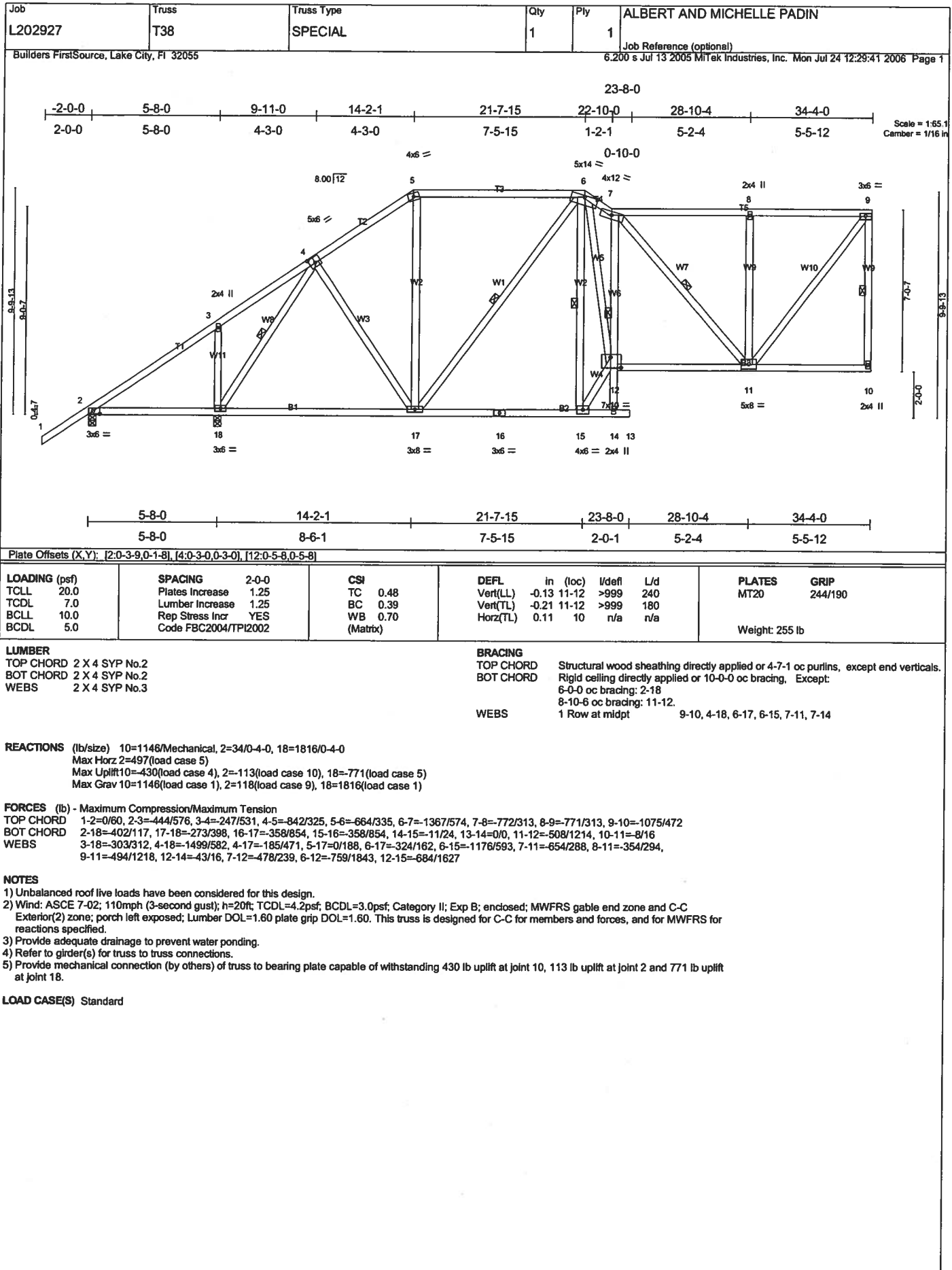
NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior (2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 265 lb uplift at joint 1 and 385 lb uplift at joint 7.

LOAD CASE(S) Standard

**AUGUST 2, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549**





Job L202927	Truss T39	Truss Type SPECIAL	Qty 1	Ply 1	ALBERT AND MICHELLE PADIN
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Mon Jul 24 12:29:44 2006 Page 1		

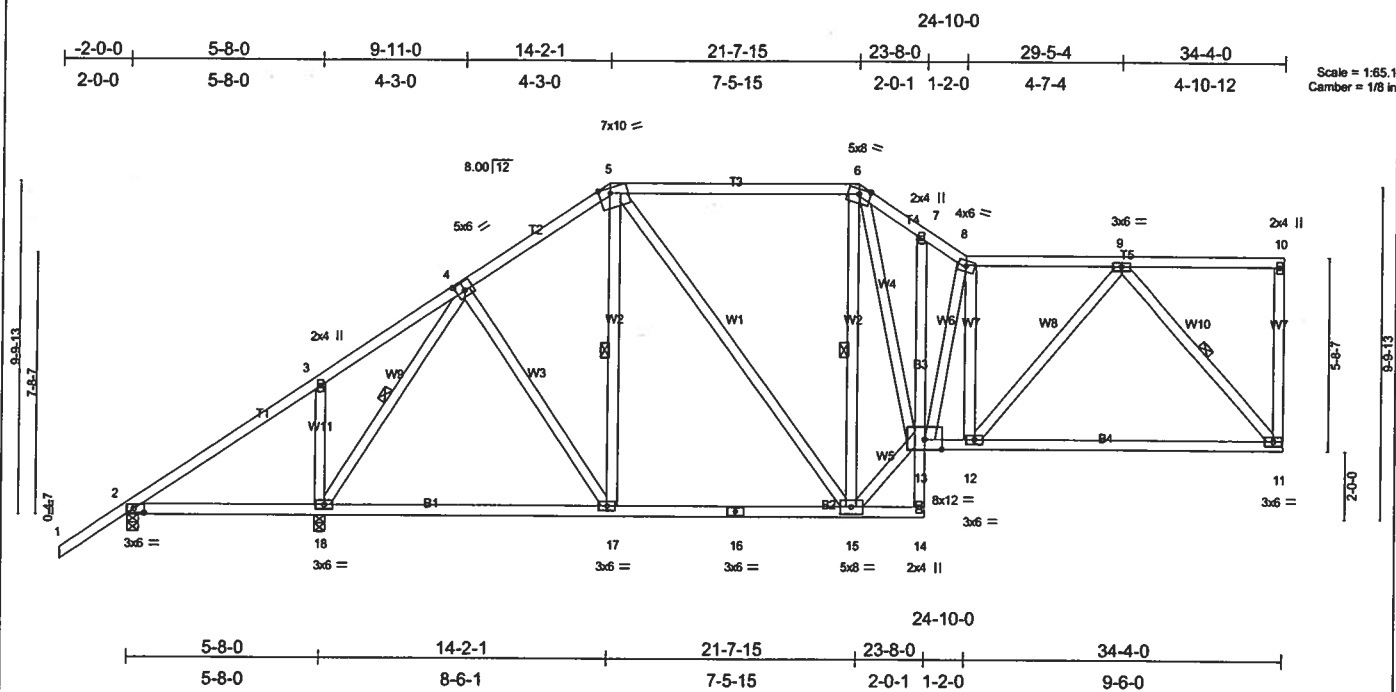


Plate Offsets (X, Y): [2:0-3-9,0-1-8], [4:0-3-0,0-3-0], [5:0-4-0,Edge]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.56	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.62	Vert(LL) -0.17 11-12 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.49	Vert(TL) -0.29 11-12 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.07 11 n/a n/a		
	Code FBC2004/TPI2002			Weight 254 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 4-9-6 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2 "Except"	BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
B3 2 X 4 SYP No.3	WEBS 1 Row at midpt 4-18, 5-17, 6-15, 9-11
WEBS 2 X 4 SYP No.3	

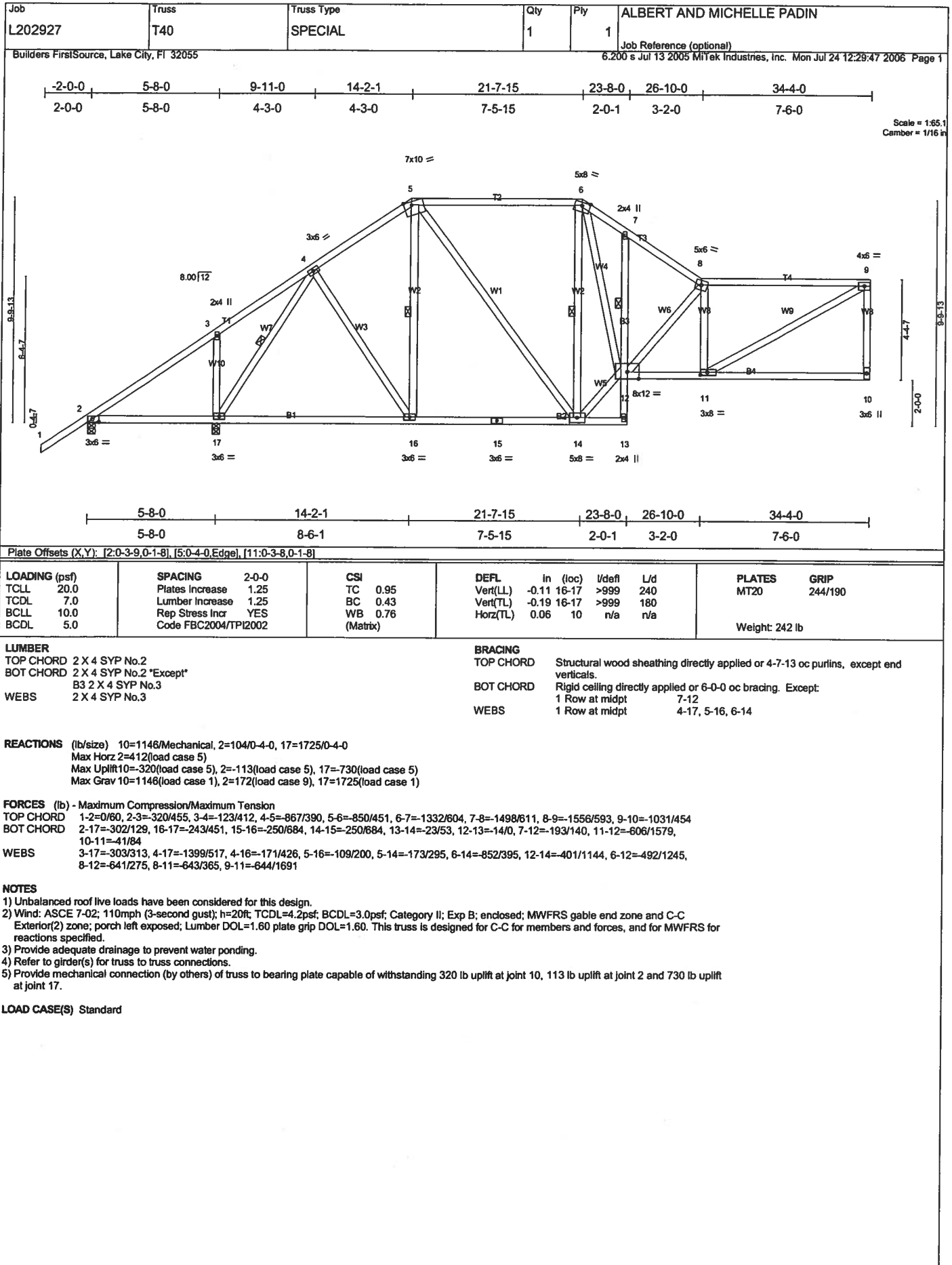
REACTIONS (lb/size) 11=1162/Mechanical, 2=186/0-4-0, 18=1627/0-4-0
 Max Horz 2=454(load case 5)
 Max Uplift 11=447(load case 4), 2=130(load case 5), 18=640(load case 5)
 Max Grav 11=1162(load case 1), 2=229(load case 9), 18=1627(load case 1)

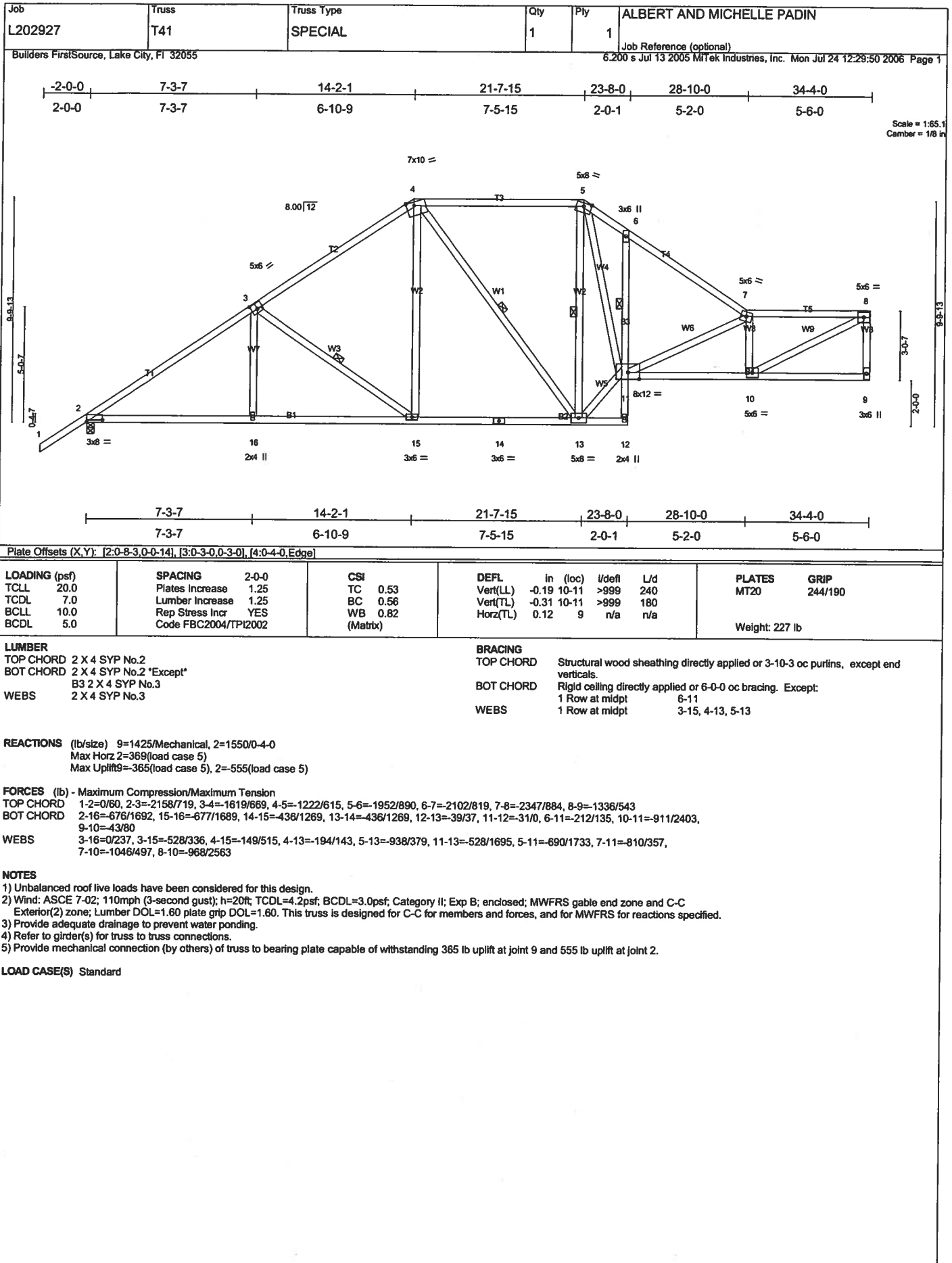
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/60, 2-3=295/314, 3-4=106/272, 4-5=908/383, 5-6=870/436, 6-7=1358/587, 7-8=1479/624, 8-9=1363/525, 9-10=44/3, 10-11=124/93
 BOT CHORD 2-18=186/81, 17-18=270/502, 16-17=292/717, 15-16=292/717, 14-15=29/81, 13-14=7/0, 7-13=228/160, 12-13=532/1369, 11-12=359/839
 WEBS 3-18=295/304, 4-18=1289/485, 4-17=163/430, 5-17=108/192, 5-15=160/315, 6-15=835/420, 13-15=455/1132, 6-13=505/1245, 8-13=759/230, 8-12=255/255, 9-12=261/823, 9-11=1206/541

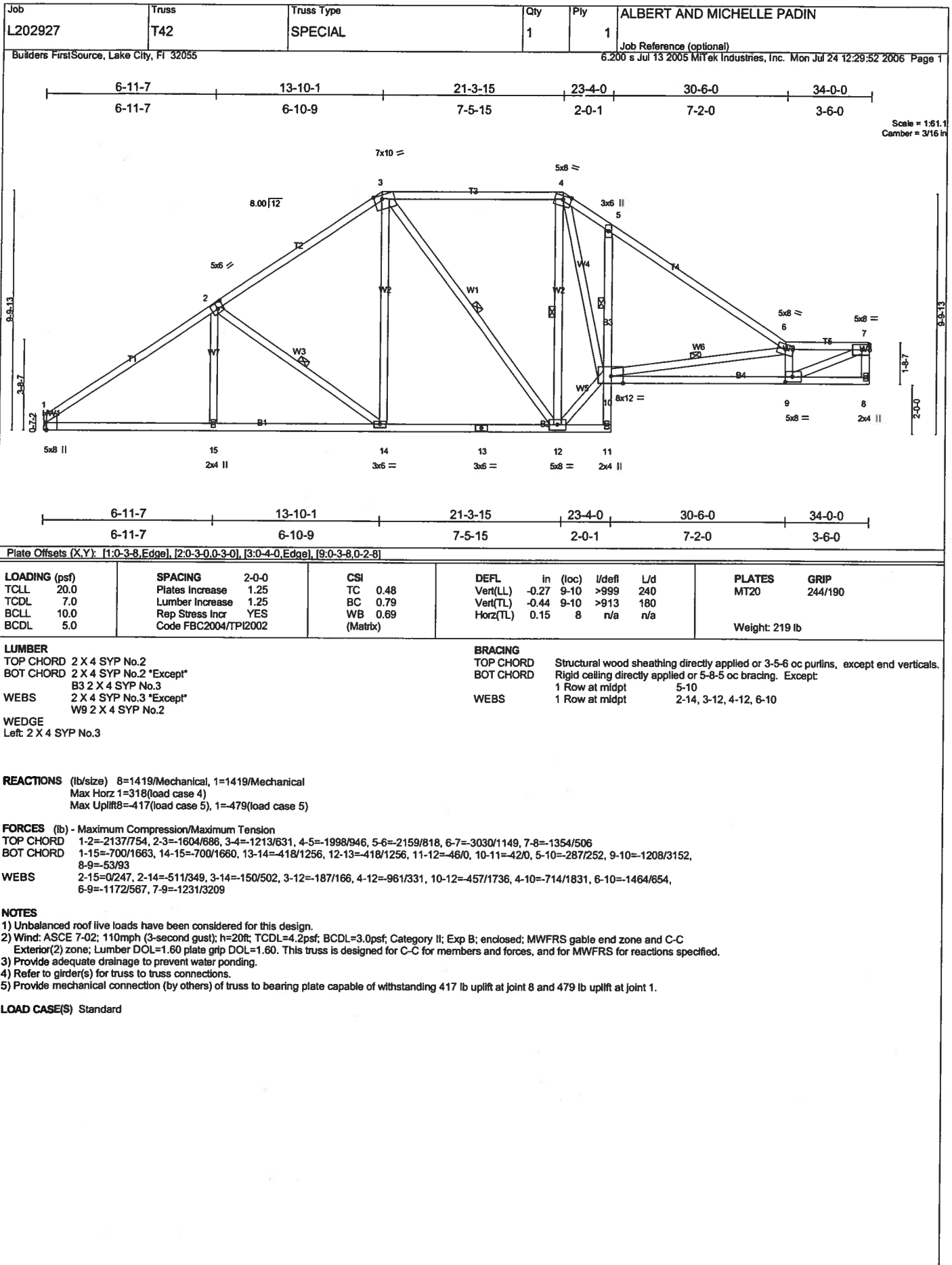
NOTES

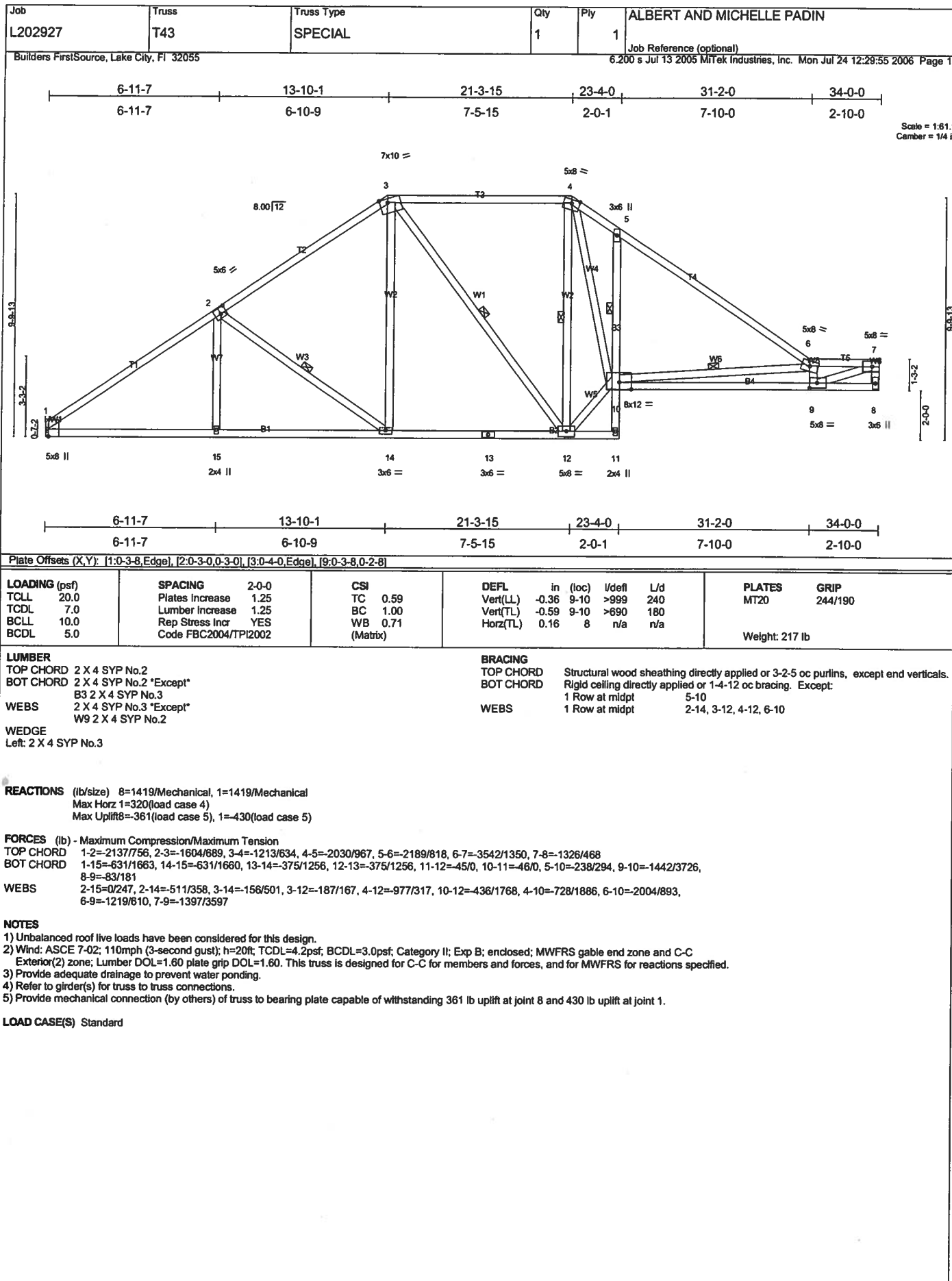
- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide adequate drainage to prevent water ponding.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 447 lb uplift at joint 11, 130 lb uplift at joint 2 and 640 lb uplift at joint 18.

LOAD CASE(S) Standard





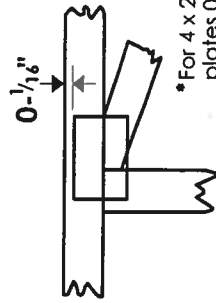




Symbols

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 0-1/8" 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

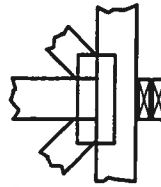
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

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



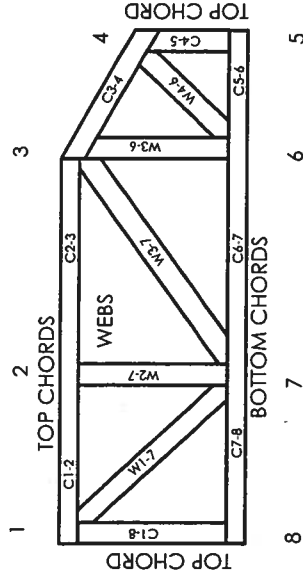
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
Design Standard for Bracing.
DSB-89: 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: MI-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

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BEARING HEIGHT SCHEDULE

10'-0"

12'-0"

OVERHANG

2'-0"

ROOF PITCH(S)
8/12

NOTES:

- 1) REFER TO HB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.
- 2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY BRACING) MUST BE SECURED TO ELEVATION DECK OR REFER TO DETAIL VIBS 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'x42 TRUSSES MUST BE INSTALLED WITH THE TOP BEARING UP.
- 7) ALL ROOF TRUSSES HANGERS TO BE SAMPSON H4526 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSSES HANGERS TO BE SAMPSON TH4422 UNLESS OTHERWISE NOTED.
- 8) BEAMING/ADJUTANT (HDS) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VIBS. 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 MAKE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Approved Drawing Date: _____

Approved By: _____ Date: _____



Punnett

PHONE: 904-437-3349 FAX: 904-437-3494

Jacksonville

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

Lake City

PHONE: 904-755-6044 FAX: 904-755-7473

Sanford

PHONE: 407-322-0094 FAX: 407-322-5953

BUILDER: CASH ACCOUNT

ALBERT AND MICHELLE PADIN

LEGAL ADDRESS:

COLUMBIA, FL

MODEL: _____ REVISION: _____

CUSTOM SCALE: NTS

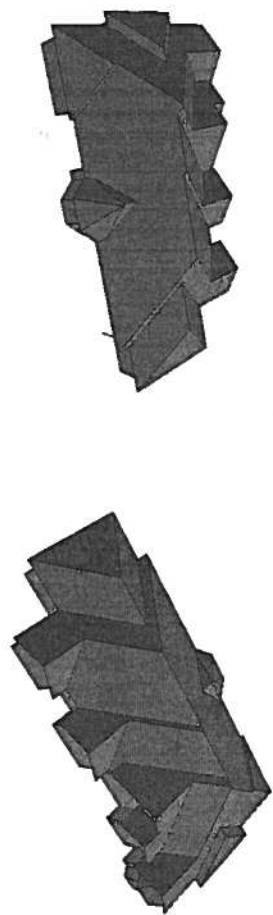
DATE: 03/03/06 DRAWN BY: JOB #:

AM L153429

HANGER SCHEDULE

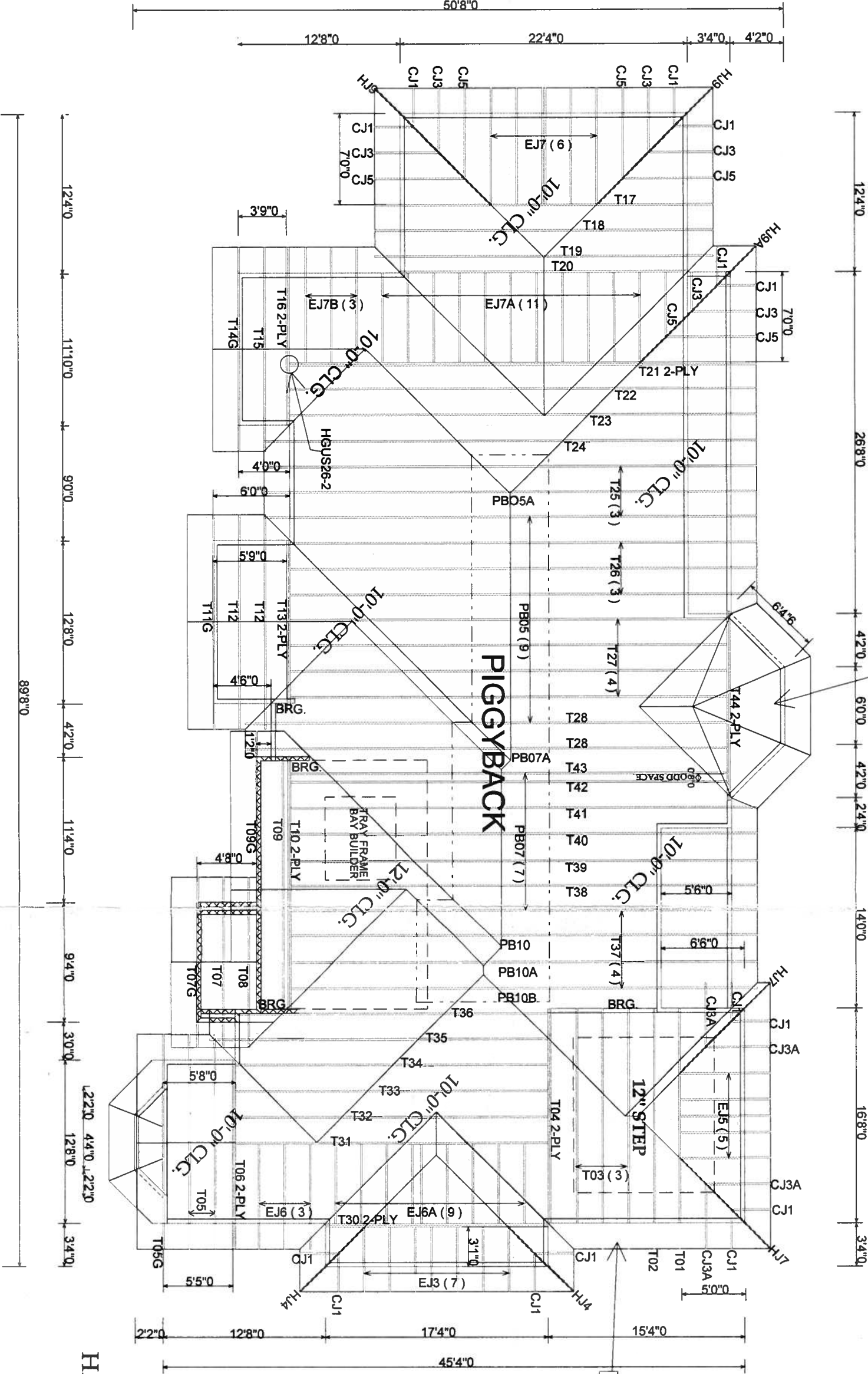
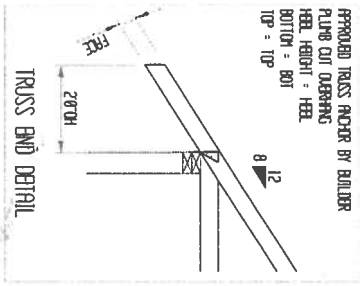
(1)HGUS26-2

(33) HTU26



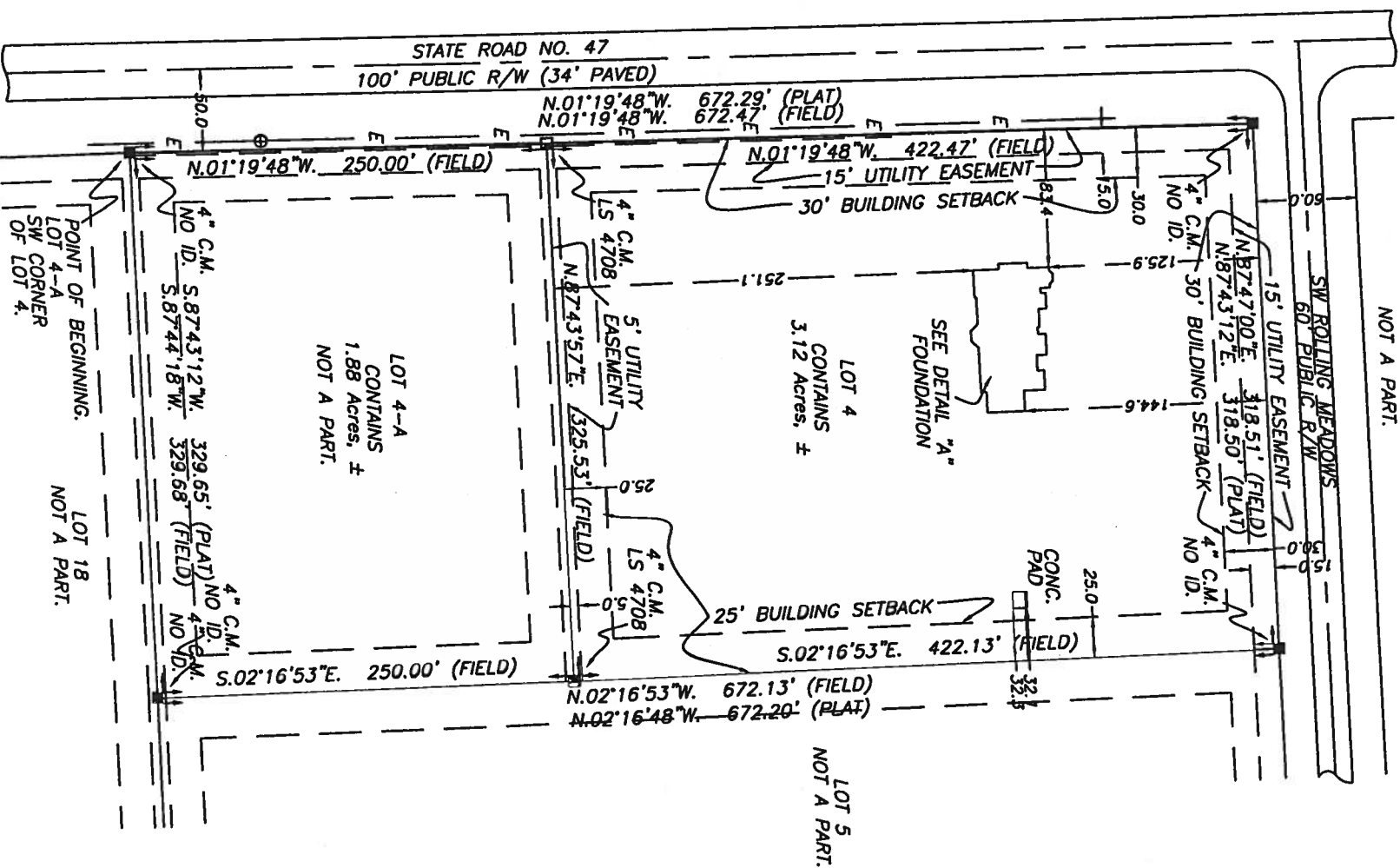
FRAME
BAY BUILDER

SCAB OVERHANG



NOT A PART.

SW ROLLING MEADOWS
60' PUBLIC R/W



DESCRIPTION:
LOT 4, OF "SEDFIELD PHASE 3" AS PER PLAT THEREOF
RECORDED IN PLAT BOOK 8, PAGE 60-64, OF THE
PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.
LESS AND EXCEPT:

PART OF LOT 4, OF "SEDFIELD PHASE 3" AS PER PLAT THEREOF
RECORDED IN PLAT BOOK 8, PAGE 60-64, OF THE PUBLIC
RECORDS OF COLUMBIA COUNTY, FLORIDA, MORE PARTICULARLY
DESCRIBED AS FOLLOWS:
BEGIN AT THE SW CORNER OF LOT 4 AND RUN THENCE
N.01°19'48"W., ALONG THE EAST RIGHT-OF-WAY LINE OF STATE
ROAD NO. 47 (A 100' PUBLIC RIGHT-OF-WAY), A DISTANCE OF
250.00 FEET TO A 4 INCH CONCRETE MONUMENT LS 4708;
THENCE N.87°43'57"E., A DISTANCE OF 325.53 FEET TO A 4 INCH
CONCRETE MONUMENT LS 4708 SET ON THE EAST LINE OF SAID
LOT 4; THENCE S.02°16'53"E., ALONG THE SAID EAST LINE, A
DISTANCE OF 250.00 TO A 4 INCH CONCRETE MONUMENT NO ID.,
MARKING THE SE CORNER OF SAID LOT 4; THENCE S.87°43'57"W.,
A DISTANCE OF 329.68 TO THE POINT OF BEGINNING.
CONTAINS 1.88 ACRES, MORE OR LESS.

DETAIL "A"
NOT TO SCALE
FOUNDATION

- SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY FOR SAID PLAT OF RECORD.
 2. BEARINGS BASED ON PLAT OF RECORD USING MONUMENTS FOUND ON THE WEST LINE OF SAID LOT 4.
 3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD INSURANCE RATE MAP, DATED JANUARY 6, 1988. COMMUNITY PANEL NO. 120070 0225 B.
 4. NO EASEMENT FOR UTILITY AND/OR DRAINAGE IS SHOWN ON THIS LOT IN RECORDS IN THE POSSESSION OF THIS OFFICE.
 5. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
 6. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
 7. "NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER."
 8. CLOSURE OF FIELD SURVEY IS 1/106,260.
 9. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR TITLE POLICY. THEREFORE EXCEPTION IS MADE HEREON REGARDING EASEMENTS, RESERVATIONS, RESTRICTIONS, AND/OR TITLE CONFLICTS OF RECORD, IF ANY, NOT PROVIDED BY THE CLIENT OR HIS AGENTS.
 10. CERTIFIED TO:

ADALBERTO PADIN
GNAC MORTGAGE

SYMBOL LEGEND

- CONCRETE MONUMENT FOUND
- CONCRETE MONUMENT SET, LS 4708
- IRON PIN OR PIPE FOUND
- 5/8" IRON ROD SET, LS 4708
- X— WIRE FENCE
- E— ELECTRIC UTILITY LINE (OVERHEAD)
- UG— UNDERGROUND ELECTRIC SERVICE
- CV— CABLE TV LINE (OVERHEAD)
- CHAIN LINK FENCE
- WOODEN FENCE
- CORRUGATED METAL PIPE
- RCP REINFORCED CONCRETE PIPE
- LS LAND SURVEYOR
- LB LICENSED BUSINESS
- ORB OFFICIAL RECORD BOOK
- PRM PERMANENT REFERENCE MONUMENT
- PCP PERMANENT CONTROL POINT
- ⊙ UTILITY POLE
- ⊙ RIGHT-OF-WAY
- NO ID. NO IDENTIFICATION
- FLA. D.O.T. FLA. DEPT. OF TRANSPORTATION
- ⊙ CENTERLINE
- ⊙ C.M. CONCRETE MONUMENT
- ⊙ I.R. IRON ROD
- ⊙ I.P. IRON PIPE



MARK D. DUREN, P.S.M.
LS 4708

1604 SW SISTERS WELCOME ROAD
LAKE CITY, FLA. 32025
(386) 758-9831 OFFICE
(386) 758-8010 FAX

FIELD SURVEY DATE: JANUARY 30, 2002
DATE DRAWN: FEBRUARY 1, 2002
FOR: PADIN

FIELD BOOK: 123 PAGE: 58
DRAWN BY: M. DUREN/A. DYAL

WO# 07-055

PREV: 06-401

SIGNED:
MARK D. DUREN, LS 4708