

DATE 06/14/2007

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000025921

APPLICANT GREG TALLEY PHONE 352 214-1055
ADDRESS 2122 NW 238TH AVE HIGH SPRINGS FL 32643
OWNER GREG TALLEY PHONE 352 214-1055
ADDRESS 143 SW ARROWBEND DR LAKE CITY FL 32024
CONTRACTOR GEORGE ROHNER PHONE 863 465-1624

LOCATION OF PROPERTY 90W, TL ON SISTERS WELCOME RD, TL ON KICKLIGHTER, TL ON CANN CREEK, TR GERALD CONNER, TL ARROWBEND, 2ND ON LEFT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 81050.00

HEATED FLOOR AREA 1621.00 TOTAL AREA 2470.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 17

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

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

PARCEL ID 24-4S-16-03114-116 SUBDIVISION CANNON CREEK PLACE

LOT 16 BLOCK PHASE UNIT TOTAL ACRES 0.50

000001401 CGC021619

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

CULVERT 07-0418 BK JH Y

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

COMMENTS: PLAT REQUIRES MFE OF 98.5 FT, ELEVATION VERIFICATION LETTER

REQUIRED, NOC ON FILE

Check # or Cash 1220

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic
date/app. by date/app. by date/app. by

Under slab rough-in plumbing Slab Sheathing/Nailing
date/app. by date/app. by date/app. by

Framing Rough-in plumbing above slab and below wood floor
date/app. by date/app. by

Electrical rough-in Heat & Air Duct Peri. beam (Lintel)
date/app. by date/app. by date/app. by

Permanent power C.O. Final Culvert
date/app. by date/app. by date/app. by

M/H tie downs, blocking, electricity and plumbing Pool
date/app. by date/app. by

Reconnection Pump pole Utility Pole
date/app. by date/app. by date/app. by

M/H Pole Travel Trailer Re-roof
date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 410.00 CERTIFICATION FEE \$ 12.35 SURCHARGE FEE \$ 12.35

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 534.70

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

1226

534.70

For Office Use Only Application # 0705-63 Date Received 01/23 By LH Permit # 1401/25921
 Application Approved by - Zoning Official B2K Date 30.05.07 Plans Examiner OK JTH Date 5-24-07
 Flood Zone AP plat Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Low Dens.
 Comments Plat Requires MFE of 98.5 ft. Elevation Verification
Letter Required

dropped off by Linda Foster
 Applicants Name Greg Talley Phone 352-24-1055
Will pick up permit
 Address 21221 NW 238th Ave High Springs, FL 32643
 Owners Name Greg Talley & Stephanie Talley Phone 352-24-1055
 911 Address 143 SW Arrowbend Dr Lake City FL 32024
 Contractors Name George Rohner Phone 863-465-1624
 Address High Springs, FL
 Fee Simple Owner Name & Address NA
 Bonding Co. Name & Address NA
 Architect/Engineer Name & Address Will Myers
 Mortgage Lenders Name & Address NA

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

Property ID Number 24-45-16-03114-116 Estimated Cost of Construction 135K

Subdivision Name Cannon Creek Place Lot 16 Block Unit Phase

Driving Directions Hwy 90 West, turn L on Sisters Welcome Rd, turn L on Kicklighter, Turn L on Cannon Creek, Turn R on Gerald Conner, Turn L on Arrowbend Drive, Second lot on L

Type of Construction SFD Number of Existing Dwellings on Property 0

Total Acreage .5 Lot Size Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 50' Side 65'-7" Side 52'-8" Rear 54'-5"

Total Building Height 17'-10" Number of Stories 1 Heated Floor Area 1621 Roof Pitch 6-12
TOTAL 2470

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)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 9 day of OCTOBER 2006.

Personally known or Produced Identification

George Rohner
 Contractor Signature
 Contractors License Number C6C021619
 Competency Card Number
 NOTARY STAMP/SEAL

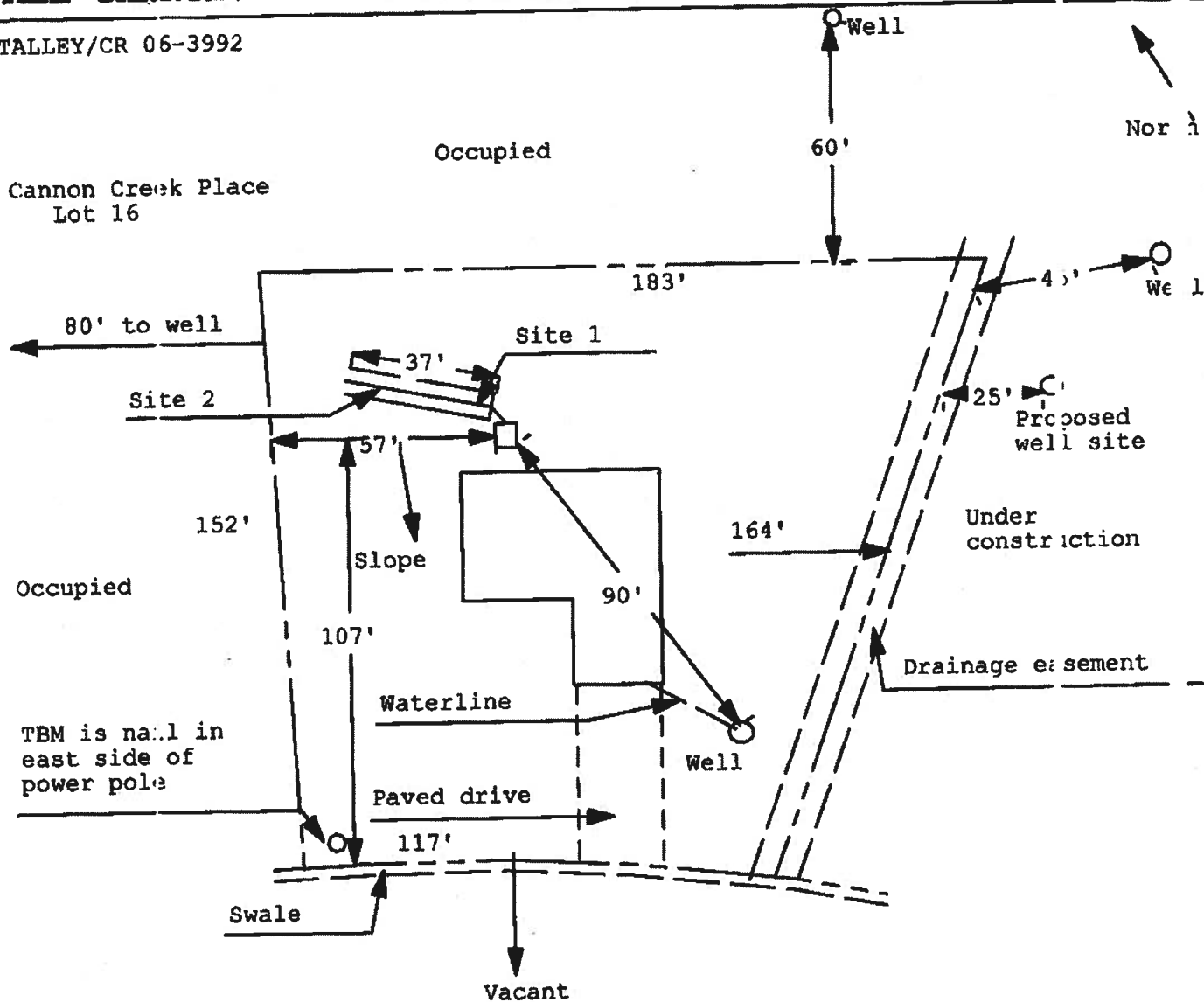
Roberta Sabella
 Notary Signature
 ROBERTA SABELLA
 MY COMMISSION # DD267351
 EXPIRES: January 13, 2008
 1-800-3-NOTARY FL Notary Discount Assoc. Co.

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 07-0418

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

TALLEY/CR 06-3992



1 inch = 10 feet

Site Plan Submitted By Paul L. L.
Plan Approved ☒ Not Approved ☐

Date 5/22/07
Date 5/25/07

By M. S. M. Columbus CP 10

Notes: _____

AT 3# 15159

Prepared by:
Michael H. Harrell
Abstract & Title Services, Inc.
111 East Howard Street
Live Oak, Florida 32064

Warranty Deed

Individual to Individual

THIS WARRANTY DEED made the 10th day of August, 2005 by

Peter W. Glebeig, A Single Person

hereinafter called the grantor, to

Inst:2005010710 Date:08/15/2005 Time:15:48

Doc Stamp-Deed : 550.60

DC, P. DeWitt Cason, Columbia County 8:1055 P:211

Gregory S. Talley, and his wife, Stephanie L. Talley

whose post office address is: 21221 NW 238th Ave, High Springs, FL 32643
hereinafter called the grantees:

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, alien, remises, releases, conveys, and confirms unto the grantees, all that certain land situate in COLUMBIA County, FLORIDA, viz: Parcel ID# PART OF R03112-001

Lot 16, and Lot 17, of Cannon Creek Place, a subdivision according to the plat thereof recorded in Plat Book 8, Pages 31-34, of the Public Records of Columbia County, Florida.

TOGETHER with all tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD, the same in fee simple forever.

AND the grantor hereby covenants with said grantees that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2004.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Traci Landry
Witness
TRACI LANDRY

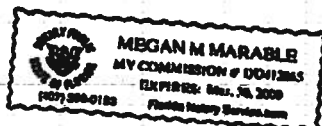
Peter W. Glebeig
Peter W. Glebeig

Megan M. Marable
Witness
MEGAN M. MARABLE

STATE OF FLORIDA
COUNTY OF SUWANNEE

The foregoing instrument was acknowledged before me this 10th day of August, 2005 by Peter W. Glebeig, A Single Person personally known to me or, if not personally known to me, who produced Driver's License No. _____ for identification and who did not take an oath.

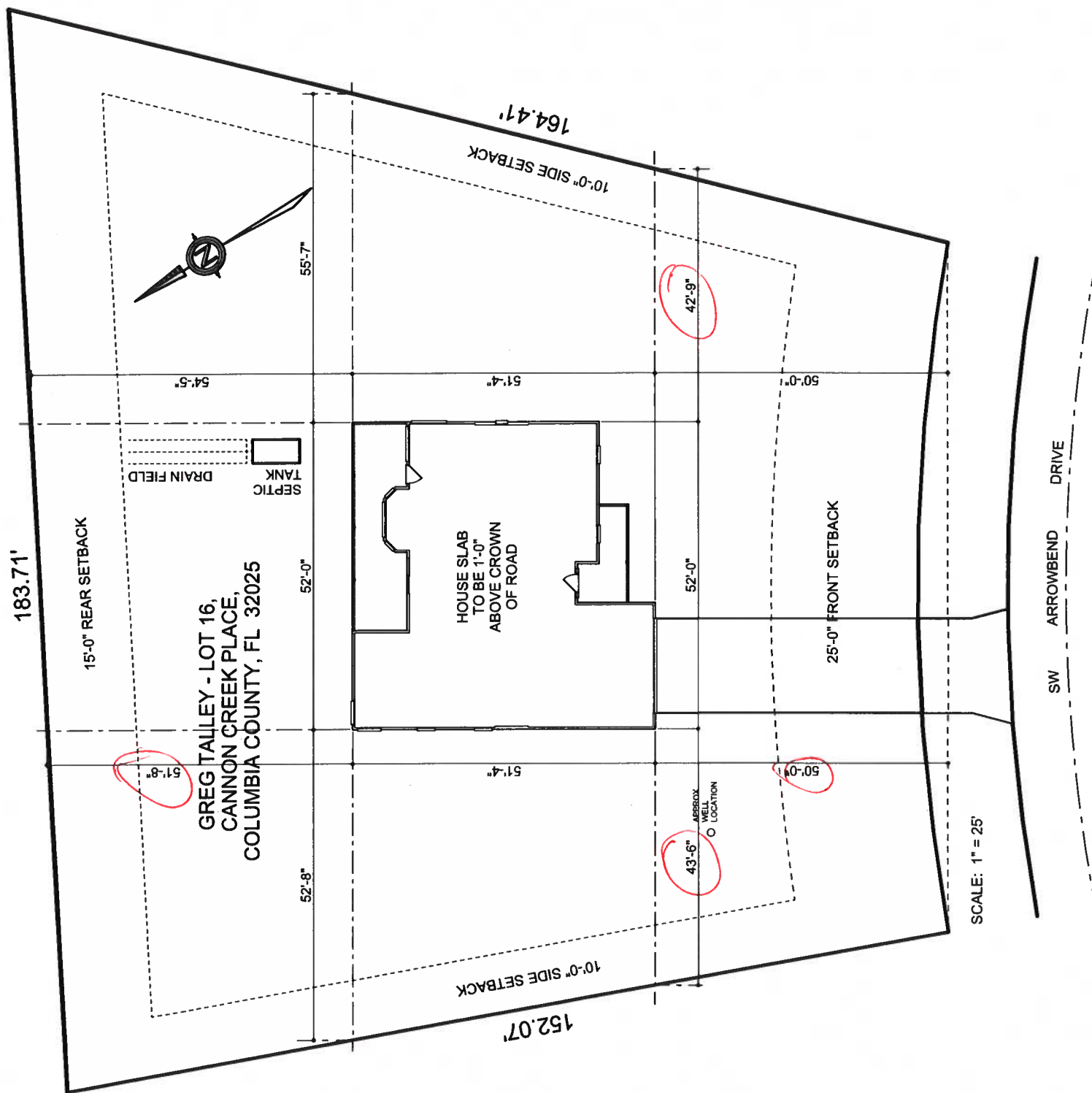
(SEAL)



Megan M. Marable
Notary Public

My Commission Expires:

#0705.69



permanently in the public
North Florida Permit Service
387 S W Kemp St
Lake City FL 32024

Inst: 2007011717 Date: 05/25/2007 Time: 14:40
X/ DC, P. Dewitt Cason, Columbia County B: 1120 P: 631

NOTICE OF COMMENCEMENT

0705-63

STATE OF Florida
COUNTY OF Columbia

Greg Talley

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.

- Description of property: (legal description of property, and street address if available)
24-45-16-03114-116
- General description of improvement: Single family dwelling
- Owner information:
 - Name and address: Greg + Stephanie Talley
21221 NW 238th Ave High Springs, FL 32643
b. Interest in property: home site
 - Name and address of fee simple titleholder (if other than owner): NA
- Contractor: (name and address) Greg Rohner High Springs, FL
 - Phone number: 863-465-1634
- Surety:
 - Name and address: NA
 - Phone number: _____
 - Amount of bond \$: _____
- Lender: (name and address): NA
 - Phone number: _____
- Persons with the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7, Florida Statutes:
(name and address): NA
- In addition to himself, Owner designates the following person(s) to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes: (name and address) NA
- Expiration date of notice of commencement (the expiration date is one (1) year from the date of recording unless a different date is specified) _____

This Space for Clerk's Use Only



X/ [Signature]
(signature of owner)

Sworn to and subscribed before me
this 23 day of May 2007

[Signature]
NOTARY PUBLIC



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

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **Greg Talley - Lot 16 Cannon Creek Place**
 Address: **Lot: 16, Sub: Cannon Creek, Plat:**
 City, State: **Lake City, FL 32025-**
 Owner: **Spec House**
 Climate Zone: **North**

Builder: **Greg Talley**
 Permitting Office: **Columbia Cnty.**
 Permit Number: **25921**
 Jurisdiction Number: **221000**

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 3 ☐
5. Is this a worst case? No ☐
6. Conditioned floor area (ft²) 1621 ft² ☐
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)
 - a. U-factor: Description Area
 (or Single or Double DEFAULT) 7a(Sngle Default) 248.7 ft² ☐
 - b. SHGC:
 (or Clear or Tint DEFAULT) 7b. (Clear) 264.7 ft² ☐
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=0.0, 194.0(p) ft ☐
 - b. N/A ☐
 - c. N/A ☐
9. Wall types
 - a. Frame, Wood, Exterior R=13.0, 1017.3 ft² ☐
 - b. Frame, Wood, Adjacent R=13.0, 220.0 ft² ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types
 - a. Under Attic R=30.0, 1750.0 ft² ☐
 - b. N/A ☐
 - c. N/A ☐
11. Ducts(Leak Free)
 - a. Sup: Unc. Ret: Unc. AH: Garage Sup. R=6.0, 45.0 ft ☐
 - b. N/A ☐

12. Cooling systems
 - a. Central Unit Cap: 41.0 kBtu/hr
SEER: 11.00 ☐
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems
 - a. Electric Heat Pump Cap: 41.0 kBtu/hr
HSPF: 6.80 ☐
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems
 - a. Electric Resistance Cap: 50.0 gallons
EF: 0.90 ☐
 - b. N/A ☐
 - c. Conservation credits
 (HR-Heat recovery, Solar
 DHP-Dedicated heat pump) ☐
15. HVAC credits PT, ☐
 (CF-Ceiling fan, CV-Cross ventilation,
 HF-Whole house fan,
 PT-Programmable Thermostat,
 MZ-C-Multizone cooling,
 MZ-H-Multizone heating)

Glass/Floor Area: 0.16

Total as-built points: 24346

Total base points: 24481

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: 5-18-07

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

OWNER/AGENT: *[Signature]*

DATE: 4-25-07

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

BUILDING OFFICIAL: _____

DATE: _____



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

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

ADDRESS: Lot: 16, Sub: Cannon Creek, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT											
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC Overhang Ornt Len Hgt Area X SPM X SOF = Points											
.18	1621.0	20.04	5847.3	Single, Clear	W	1.5	8.0	16.0	43.84	0.96	672.0				
				Single, Clear	W	10.8	8.0	40.0	43.84	0.47	816.7				
				Single, Clear	SW	6.5	8.0	10.0	45.75	0.53	242.9				
				Single, Clear	W	6.8	8.0	30.0	43.84	0.57	743.4				
				Single, Clear	NW	6.5	8.0	10.0	29.42	0.67	198.4				
				Single, Clear	W	10.8	8.0	10.0	43.84	0.47	204.2				
				Single, Clear	W	10.8	8.0	30.0	43.84	0.47	612.5				
				Single, Clear	N	1.5	8.0	30.0	21.73	0.97	630.5				
				Single, Clear	N	1.5	8.0	6.0	21.73	0.97	126.1				
				Single, Clear	E	1.5	8.0	15.0	47.92	0.96	688.3				
				Single, Clear	E	6.5	8.0	15.0	47.92	0.57	408.7				
				Single, Clear	E	10.5	8.0	6.7	47.92	0.46	146.3				
				Single, Clear	S	1.5	8.0	30.0	40.81	0.92	1130.4				
				Double, Clear	S	1.5	8.0	16.0	35.87	0.92	529.8				
				As-Built Total:								264.7		7150.1	
				WALL TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Adjacent	220.0	0.70	154.0	Frame, Wood, Exterior			13.0	1017.3	1.50	1525.9					
Exterior	1017.3	1.70	1729.4	Frame, Wood, Adjacent			13.0	220.0	0.60	132.0					
Base Total: 1237.3 1883.4				As-Built Total: 1237.3 1657.9											
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points											
Adjacent	20.0	1.60	32.0	Exterior Insulated				20.0	4.10	82.0					
Exterior	30.0	4.10	123.0	Adjacent Insulated				20.0	1.60	32.0					
				Exterior Insulated				10.0	4.10	41.0					
Base Total: 50.0 155.0				As-Built Total: 50.0 155.0											
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points											
Under Attic	1621.0	1.73	2804.3	Under Attic			30.0	1750.0	1.73 X 1.00	3027.5					
Base Total: 1621.0 2804.3				As-Built Total: 1750.0 3027.5											
FLOOR TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points											
Slab	194.0(p)	-37.0	-7178.0	Slab-On-Grade Edge Insulation			0.0	194.0(p)	-41.20	-7992.8					
Raised	0.0	0.00	0.0												
Base Total: -7178.0				As-Built Total: 194.0 -7992.8											

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

ADDRESS: Lot: 16, Sub: Cannon Creek, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT			
INFILTRATION Area X BSPM = Points				Area X SPM = Points			
1621.0 10.21 16550.4				1621.0 10.21 16550.4			
Summer Base Points: 20062.4				Summer As-Built Points: 20548.2			
Total Summer X System = Cooling Points Multiplier Points				Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)			
20062.4 0.4266 8558.6				(sys 1: Central Unit 41000 btuh ,SEER/EFF(11.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 20548 1.00 (1.09 x 1.000 x 1.00) 0.310 0.950 6601.9 20548.2 1.00 1.090 0.310 0.950 6601.9			

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

ADDRESS: Lot: 16, Sub: Cannon Creek, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1621.0	12.74	3717.3	Single, Clear	W	1.5	8.0	16.0	28.84	1.01	466.6
				Single, Clear	W	10.8	8.0	40.0	28.84	1.20	1380.1
				Single, Clear	SW	6.5	8.0	10.0	24.09	1.49	358.4
				Single, Clear	W	6.8	8.0	30.0	28.84	1.15	995.7
				Single, Clear	NW	6.5	8.0	10.0	32.93	1.02	336.4
				Single, Clear	W	10.8	8.0	10.0	28.84	1.20	345.0
				Single, Clear	W	10.8	8.0	30.0	28.84	1.20	1035.1
				Single, Clear	N	1.5	8.0	30.0	33.22	1.00	997.5
				Single, Clear	N	1.5	8.0	6.0	33.22	1.00	199.5
				Single, Clear	E	1.5	8.0	15.0	26.41	1.02	404.0
				Single, Clear	E	6.5	8.0	15.0	26.41	1.23	488.3
				Single, Clear	E	10.5	8.0	6.7	26.41	1.36	240.3
				Single, Clear	S	1.5	8.0	30.0	20.24	1.04	632.1
				Double, Clear	S	1.5	8.0	16.0	13.30	1.04	221.5
				As-Built Total:				264.7	8100.5		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	220.0	3.60	792.0	Frame, Wood, Exterior	13.0		1017.3	3.40	3458.8		
Exterior	1017.3	3.70	3764.0	Frame, Wood, Adjacent	13.0		220.0	3.30	726.0		
Base Total: 1237.3 4556.0				As-Built Total:		1237.3		4184.8			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	20.0	8.00	160.0	Exterior Insulated			20.0	8.40	168.0		
Exterior	30.0	8.40	252.0	Adjacent Insulated			20.0	8.00	160.0		
				Exterior Insulated			10.0	8.40	84.0		
Base Total: 50.0 412.0				As-Built Total:		50.0		412.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1621.0	2.05	3323.0	Under Attic	30.0		1750.0	2.05 X 1.00	3587.5		
Base Total: 1621.0 3323.0				As-Built Total:		1750.0		3587.5			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	194.0(p)	8.9	1726.6	Slab-On-Grade Edge Insulation	0.0		194.0(p)	18.80	3647.2		
Raised	0.0	0.00	0.0								
Base Total: 1726.6				As-Built Total:		194.0		3647.2			

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

ADDRESS: Lot: 16, Sub: Cannon Creek, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE				AS-BUILT			
INFILTRATION Area X BWPM = Points				Area X WPM = Points			
1621.0 -0.59 -956.4				1621.0 -0.59 -956.4			
Winter Base Points: 12778.5				Winter As-Built Points: 18975.6			
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)			
12778.5	0.6274	8017.3		(sys 1: Electric Heat Pump 41000 btuh ,EFF(6.8) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 18975.6 1.000 (1.069 x 1.000 x 1.00) 0.501 0.950 9663.7 18975.6 1.00 1.069 0.501 0.950 9663.7			

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

ADDRESS: Lot: 16, Sub: Cannon Creek, Plat: , Lake City, FL, 32025-

PERMIT #:

BASE					AS-BUILT					
WATER HEATING										
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
3		2635.00		7905.0	50.0	0.90	3		1.00	2693.56
					As-Built Total:					8080.7

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points
8559		8017		7905		24481	6602		9664
							8081		24346

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 16, Sub: Cannon Creek, Plat: , Lake City, FL, 32025-

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.	

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.4

The higher the score, the more efficient the home.

Spec House, Lot: 16, Sub: Cannon Creek, Plat: , Lake City, FL, 32025-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 41.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	1621 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 41.0 kBtu/hr
(or Single or Double DEFAULT)	7a(Sngle Default) 248.7 ft ²		HSPF: 6.80
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 264.7 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 194.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1017.3 ft ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 220.0 ft ²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	PT,
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, 1750.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 45.0 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: FLRCPB v4.1)

Energy Code Compliance

Duct System Performance Report

Project Name: Greg Talley - Lot 16 Cannon Creek Place Address: City, State: Lake City, FL 32025- Owner: Spec House Climate Zone: North	Builder: Greg Talley Permitting Office: Columbia Cnty. Permit Number: Jurisdiction Number:
--	---

Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25(tot)	_____ cfm25(out)
2	System2	_____ cfm25(tot)	_____ cfm25(out)
3	System3	_____ cfm25(tot)	_____ cfm25(out)
4	System4	_____ cfm25(tot)	_____ cfm25(out)
5	Total House Duct System Leakage	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,tot}) ☐ Receive credit if Q _{n,tot} ≤ 0.03	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,out}) ☐ Receive credit if Q _{n,out} ≤ 0.03 AND Q _{n,tot} ≤ 0.09

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: _____

Printed Name: _____

Florida Rater Certification #: _____

DATE: _____

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: <http://energygauge.com/search.htm>



BUILDING OFFICIAL: _____

DATE: _____

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001401

DATE 06/14/2007 PARCEL ID # 24-4S-16-03114-116
APPLICANT GREG TALLEY PHONE 352 214-1055
ADDRESS 2122 NW 238TH AVE HIGH SPRINGS FL 32643
OWNER GREG TALLEY PHONE 352 214-1055
ADDRESS 143 SW ARROWBEND DR LAKE CITY FL 32024
CONTRACTOR GEORGE ROHNER PHONE 863 465-1624
LOCATION OF PROPERTY 90W, TL ON SISTERS WELCOME RD, TL ON KICKLIGHTER, TL ON CANNON
CREEK, TR GERALD CONNER, TL ARROWBEND, 2ND ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT CANNON CREEK PLACE 16

SIGNATURE x *G. Talley*

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 INSTALATION OF THE CULVERT.

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

Amount Paid 25.00



COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001

ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

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

- ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH
- ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ----- 110 MPH
- 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/m²), 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 g) Number of stories

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 <u>non-vented</u>) 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 (accessable 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: <ol style="list-style-type: none">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: <ol style="list-style-type: none">1. Rafter size, species and spacing2. Attachment to wall and uplift3. Ridge beam sized and valley framing and support details4. 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 <ol style="list-style-type: none">1. All materials making up wall2. Block size and mortar type with size and spacing of reinforcement3. Lintel, tie-beam sizes and reinforcement4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation6. 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 requirements9. Shoe type of termite treatment (termicide or alternative method)10. Slab on grade<ol style="list-style-type: none">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 supports11. Indicate where pressure treated wood will be placed12. Provide insulation R value for the following:<ol style="list-style-type: none">a. Attic spaceb. Exterior wall cavityc. Crawl space (if applicable) |
|--------------------------|--------------------------|--|

☒☐**b) Wood frame wall**

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC 104.2.1 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 (termiteicide or alternative method)
11. Slab on grade
 - a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

☐☐**c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)****Floor Framing System:**

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

Plumbing Fixture layout**Electrical layout including:**

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

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

☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☐☐

AT 3# 15159

Prepared by:
Michael H. Harrell
Abstract & Title Services, Inc.
111 East Howard Street
Live Oak, Florida 32064

Warranty Deed

Individual to Individual

THIS WARRANTY DEED made the 10th day of August, 2005 by

Peter W. Glebeig, A Single Person

hereinafter called the grantor, to

Inst:2005049710 Date:08/15/2005 Time:15:49

Doc Stamp-Deed : 558.60

DC, P. DeWitt Cason, Columbia County 3:1055 P:210

Gregory S. Talley, and his wife, Stephanie L. Talley

whose post office address is: 21221 NW 238th Ave, High Springs, FL 32643
hereinafter called the grantees:

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, rec'dt whereof is hereby acknowledged, hereby grants, bargains, sells, alien, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in COLUMBIA County, FLORIDA, viz: Parcel ID# PART OF R03112-001

Lot 16, and Lot 17, of Cannon Creek Place, a subdivision according to the plat thereof recorded in Plat Book 8, Pages 31-34, of the Public Records of Columbia County, Florida.

TOGETHER with all tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD, the same in fee simple forever.

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2004.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Traci Landry
Witness TRACI LANDRY

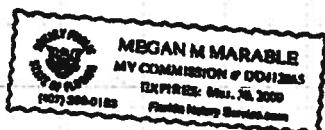
Peter W. Glebeig
Peter W. Glebeig

Megan M. Marable
Witness MEGAN M. MARABLE

STATE OF FLORIDA
COUNTY OF SUWANNEE

The foregoing instrument was acknowledged before me this 10th day of August, 2005 by Peter W. Glebeig, A Single Person personally known to me or, if not personally known to me, who produced Driver's License No. _____ for identification and who did not take an oath.

(SEAL)



Megan M. Marable
Notary Public

My Commission Expires:

LATERAL TOE-NAIL DETAIL

ST-TOENAIL

MITek Industries, Chesterfield, MD

Page 1 of 1

- NOTES:
- TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 30 DEGREES WITH THE MEMBER AND STARTED 1/3 THE LENGTH OF THE NAIL FROM THE MEMBER END AS SHOWN.
 - THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
 - ALLOWABLE VALUE SHALL BE THE LESSER VALUE OF THE BOTTOM CHORD SPECIES FOR MEMBERS OF DIFFERENT SPECIES.

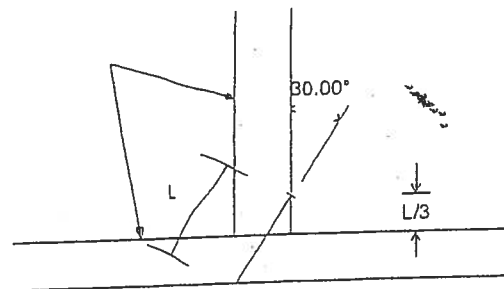
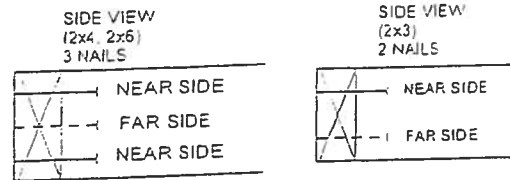
MAY 09 2007

TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)

	DIAM.	SYF
3" LONG	131	83.3
	135	89.6
	162	118.3
3.25" LONG	128	80.5
	131	83.3
	148	102.1
3.0" LONG	120	70.5
	128	80.5
	131	83.3
	148	102.1

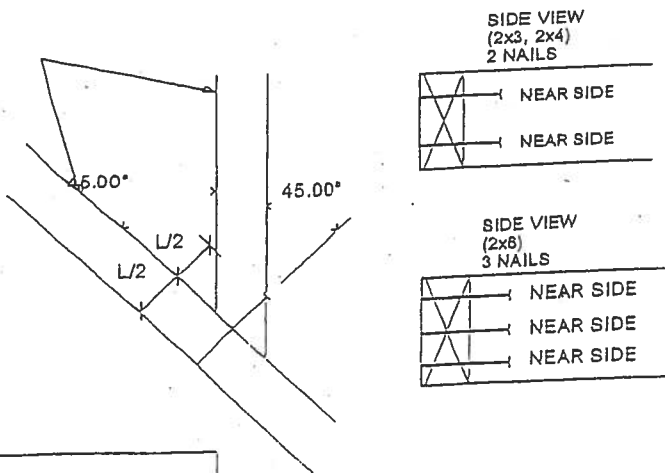
VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

SQUARE CUT



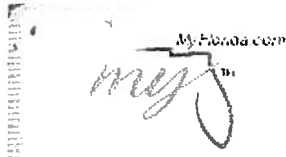
45 DEGREE ANGLE BEVEL CUT

This detail may only be applied to Pre-engineered truss drawings signed and sealed by Structural Engineering and Inspections Inc.



VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

The seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any particular building design is the responsibility of the building designer.

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10:11:10 AM 12/7/2006

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Licensee Details**Licensee Information**

Name: **ROHNER, GEORGE JOSEPH (Primary Name)**
R B K BUILDERS INC (DBA Name)
Main Address: **3031 SW 108 WAY**
PO BOX 290023
DAVIE Florida 33329-0023
County: **BROWARD**
License Mailing:
License Location: **3031 SW 108 WAY**
PO BOX 290023
DAVIE FL 33329-0023
County: **BROWARD**

License Information

License Type: **Certified General Contractor**
Rank: **Cert General**
License Number: **CGC021619**
Status: **Current,Active**
Licensure Date: **03/14/1982**
Expires: **08/31/2008**

Special Qualifications **Qualification Effective**
Bldg Code Core Course
Credit
Qualified Business **02/20/2004**
License Required

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Job L237313	Truss CJ1	Truss Type JACK	Qty 4	Ply 1	GREG TALLEY LOT 16 C.C.P. Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 01 15:46:59 2007 Page 1		

Scale = 1:8.2

Plate Offsets (X,Y): [5:0-2-4,0-0-13]							
LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES GRIP
TCLL 20.0	Plates Increase 2-0-0	TC 0.22	Vert(LL) 0.00	5	>999	240	MT20 244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.03	Vert(TL) 0.00	5	>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: 7 lb

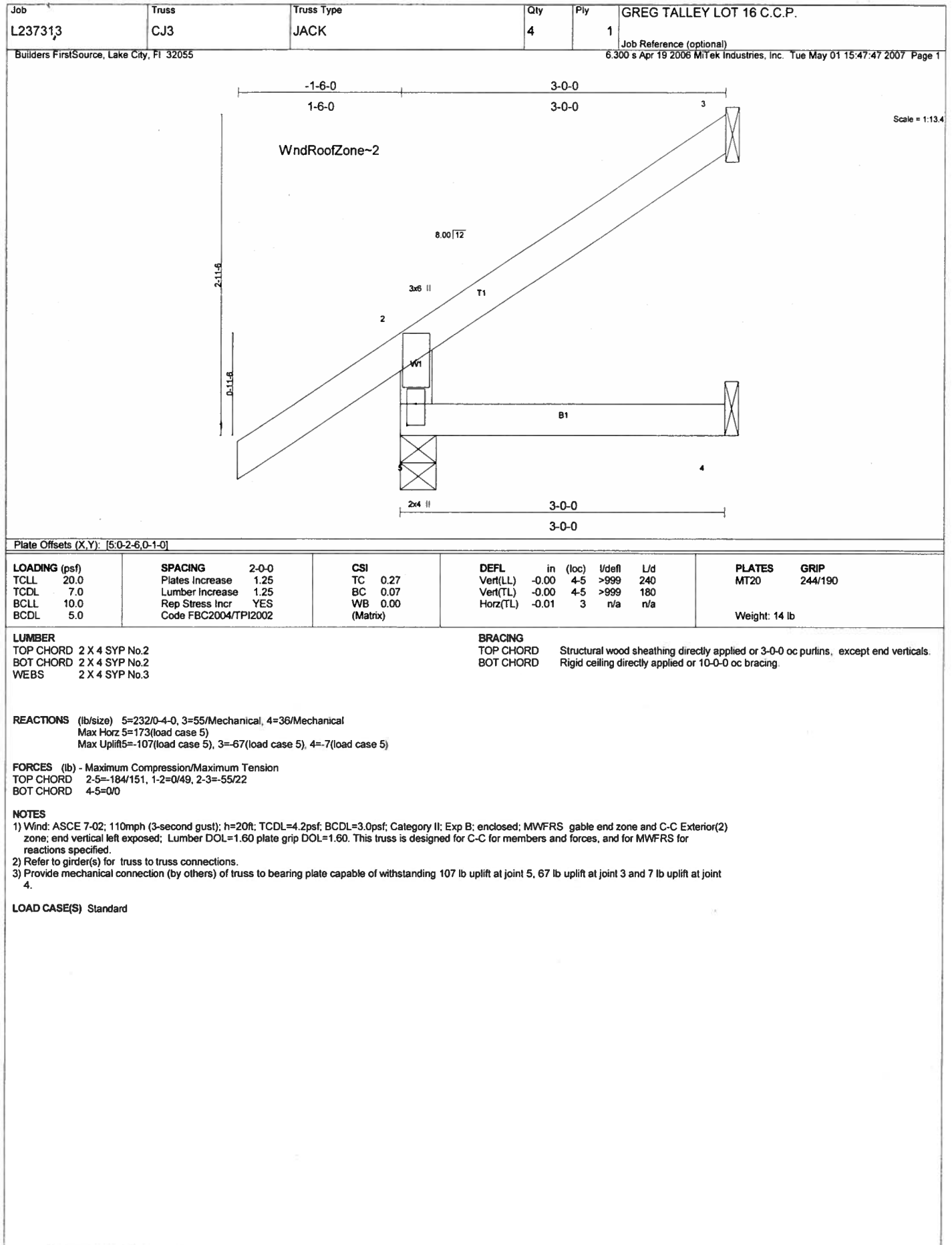
LUMBER TOP CHORD 2 X 4 SYP No.2 BOT CHORD 2 X 4 SYP No.2 WEBS 2 X 4 SYP No.3	BRACING TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
--	---

REACTIONS (lb/size) 5=211/0-4-0, 4=-8/Mechanical, 3=-43/Mechanical
 Max Horz 5=97(load case 5)
 Max Uplift 5=-151(load case 5), 4=-9(load case 5), 3=-43(load case 1)
 Max Grav 5=211(load case 1), 4=2(load case 3), 3=41(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 2-5=-178/192, 1-2=0/49, 2-3=-49/27
 BOT CHORD 4-5=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; end vertical 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.
 2) Refer to girder(s) for truss to truss connections.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 151 lb uplift at joint 5, 9 lb uplift at joint 4 and 43 lb uplift at joint 3.

LOAD CASE(S) Standard



Job L237313	Truss HJ7	Truss Type JACK	Qty 2	Ply 1	GREG TALLEY LOT 16 C.C.P.
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 01 15:55:43 2007 Page 1		

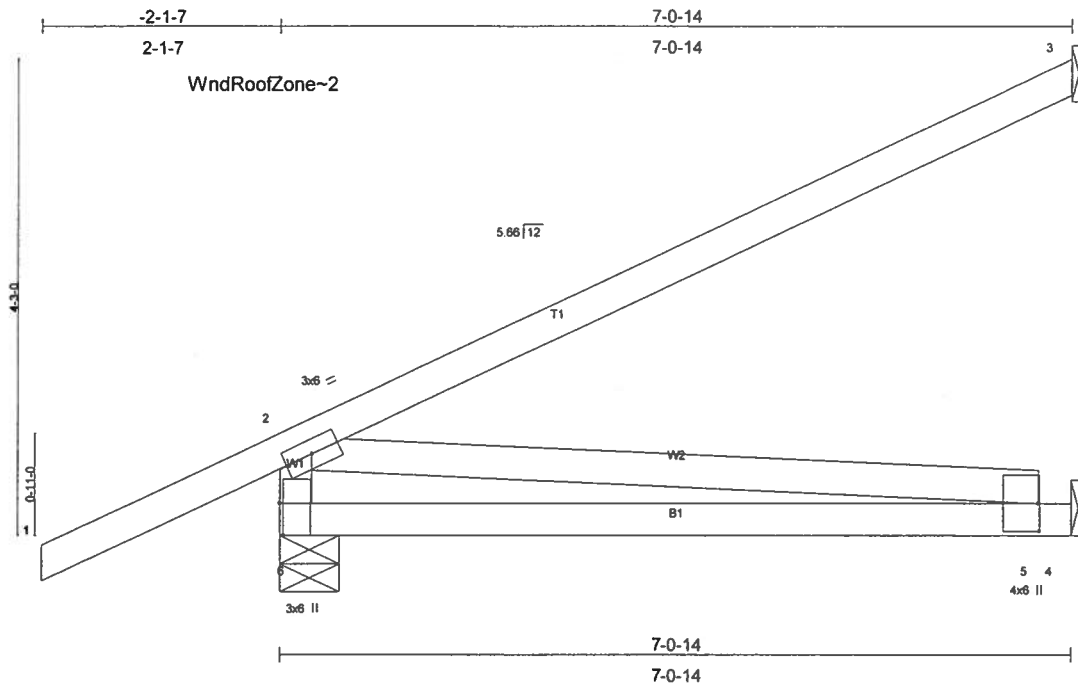


Plate Offsets (X,Y): [5:0-3-0,0-0-2], [6:0-3-7,0-0-6]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCCL 20.0	Plates Increase	1.25	TC 0.52	Vert(LL)	-0.06	5-6	>999	240	MT20	244/190
TCCL 7.0	Lumber Increase	1.25	BC 0.31	Vert(TL)	-0.11	5-6	>764	180		
BCLL 10.0	Rep Stress Incr	NO	WB 0.27	Horz(TL)	0.01	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 36 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 7-0-14 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=317/0-6-7, 3=186/Mechanical, 4=136/Mechanical
 Max Horz 6=216(load case 4)
 Max Uplift 6=143(load case 4), 3=173(load case 4), 4=-1(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

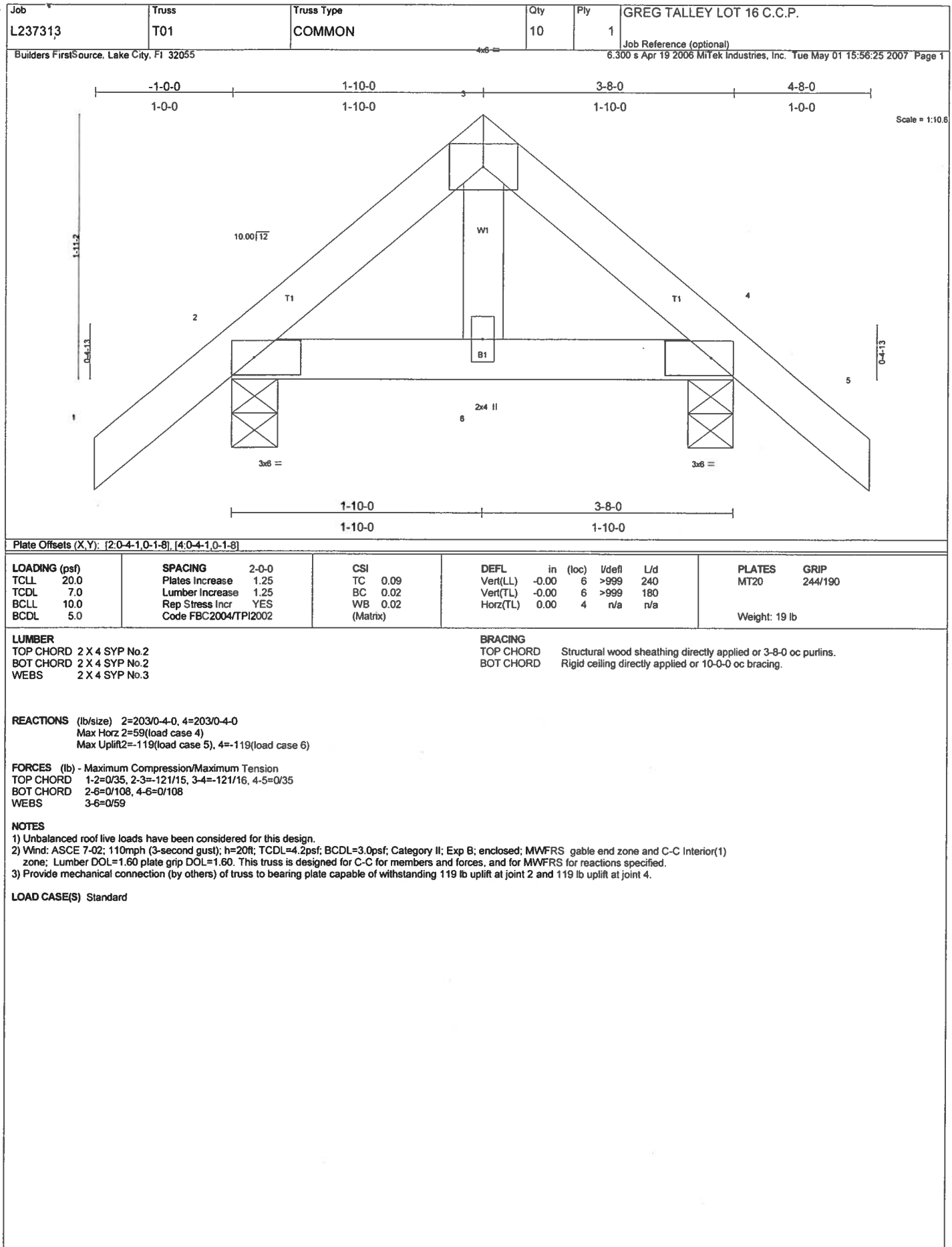
TOP CHORD 2-6=-238/160, 1-2=0/52, 2-3=-96/53
 BOT CHORD 5-6=-202/324, 4-5=0/0
 WEBS 2-5=-326/203

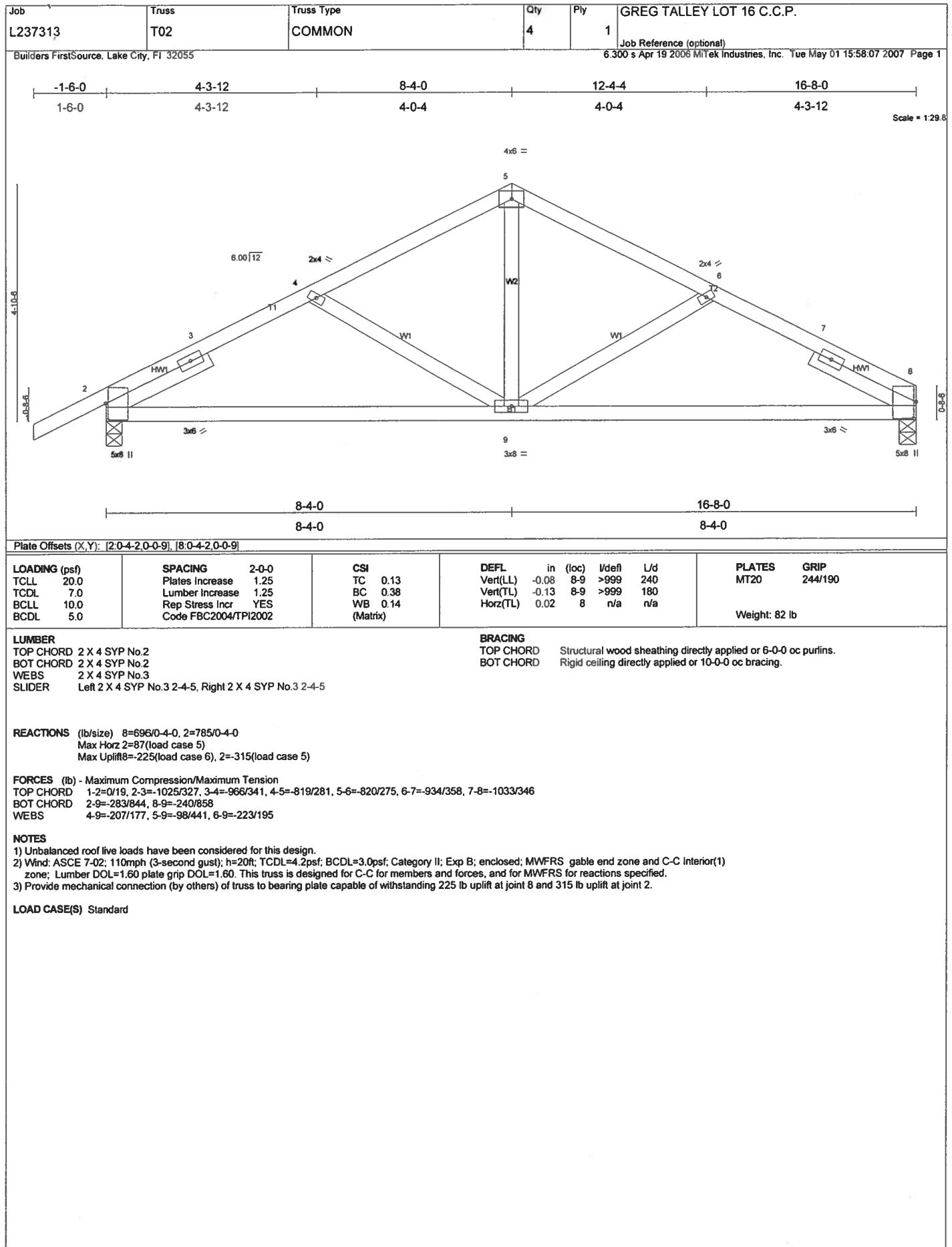
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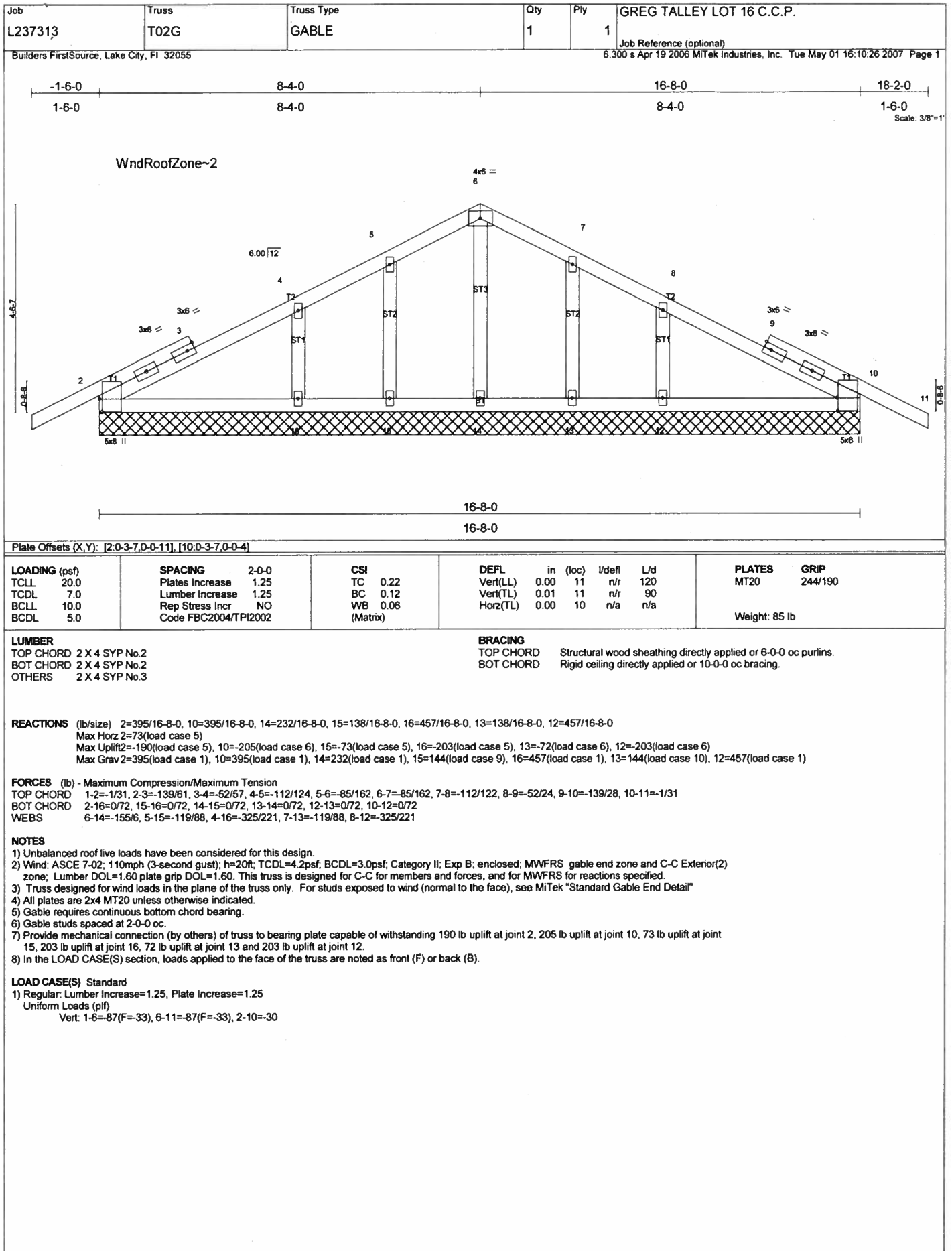
- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCCL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Refer to girder(s) for truss to truss connections.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 143 lb uplift at joint 6, 173 lb uplift at joint 3 and 1 lb uplift at joint 4.
- 4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

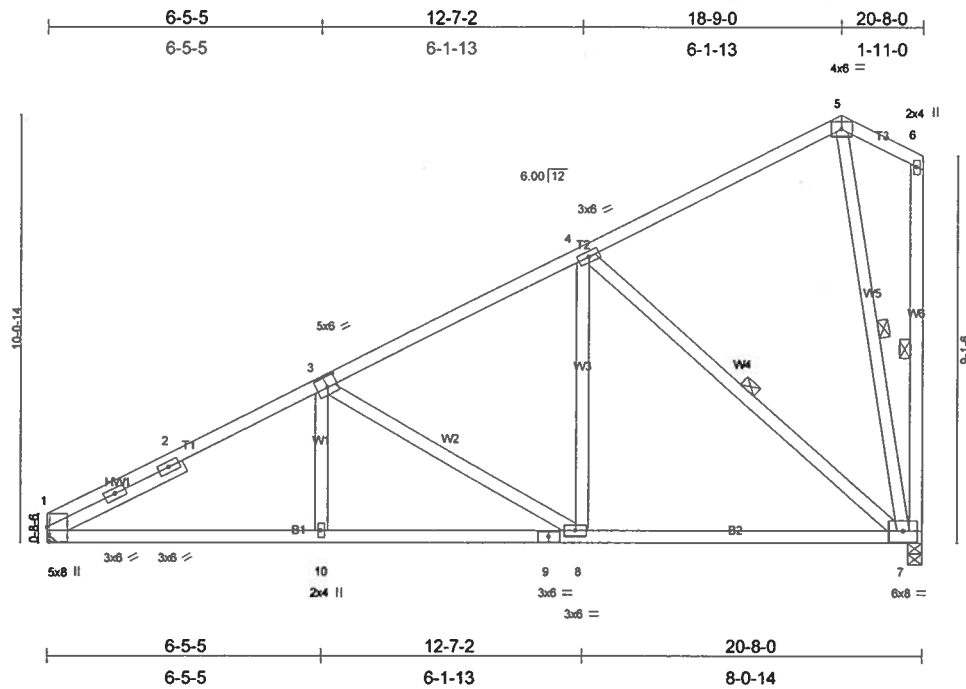
- 1) Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-2=-54
 Trapezoidal Loads (plf)
 Vert: 2=-2(F=26, B=26)-to-3=-95(F=-21, B=-21), 6=0(F=15, B=15)-to-4=-53(F=-12, B=-12)







Job L237313	Truss T03	Truss Type COMMON	Qty 2	Ply 1	GREG TALLEY LOT 16 C.C.P.
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 01 16:19:44 2007 Page 1		



Scale = 1/16 in
Camber = 1/16 in

Plate Offsets (X,Y): [1:0-4-3,0-0-13], [3:0-3-0,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.45	Vert(LL) -0.09 7-8 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.45	Vert(TL) -0.16 7-8 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.03 7 n/a n/a		
	Code FBC2004/TPI2002			Weight: 137 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3
SLIDER Left 2 X 4 SYP No.3 3-6-11

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-0-4 oc bracing.
WEBS 1 Row at midpt 4-7, 6-7, 5-7

REACTIONS (lb/size) 1=850/Mechanical, 7=865/0-4-0
Max Horz 1=422(load case 5)
Max Uplift 1=-225(load case 5), 7=-403(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1309/295, 2-3=-1221/311, 3-4=-801/179, 4-5=-131/25, 5-6=-32/34, 6-7=-51/38
BOT CHORD 1-10=-596/1092, 9-10=-597/1088, 8-9=-597/1088, 7-8=-334/654
WEBS 3-10=0/182, 3-8=-507/307, 4-8=-109/486, 4-7=-806/403, 5-7=-235/207

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 Interior(1) 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 225 lb uplift at joint 1 and 403 lb uplift at joint 7.

LOAD CASE(S) Standard

Job L237313	Truss T03A	Truss Type SPECIAL	Qty 6	Ply 1	GREG TALLEY LOT 16 C.C.P.
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 Mittek Industries, Inc. Tue May 01 16:15:45 2007 Page 1		

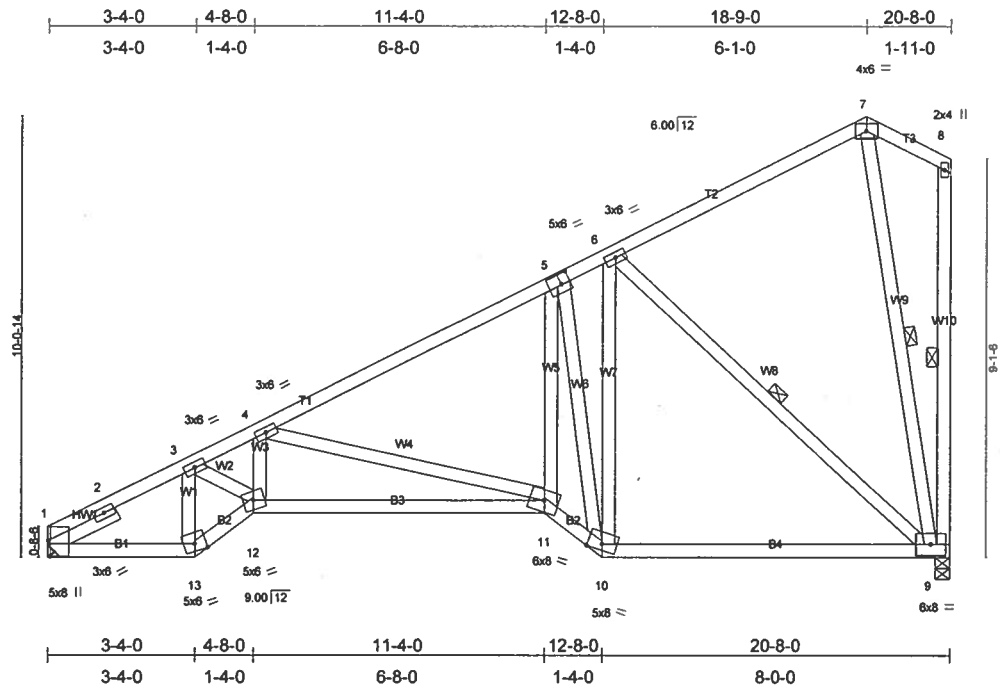


Plate Offsets (X,Y): [1:0-4-5,0-0-10], [5:0-2-8,0-3-0]

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 11-12 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.46	Vert(TL) -0.23 11-12 >999 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.87	Horz(TL) 0.09 9 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			
				Weight: 154 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
 SLIDER Left 2 X 4 SYP No.3 1-8-13

BRACING
 TOP CHORD Structural wood sheathing directly applied or 4-0-7 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-2-10 oc bracing.
 WEBS 1 Row at midpt 6-9, 8-9, 7-9

REACTIONS (lb/size) 1=850/Mechanical, 9=865/0-4-0
 Max Horz 1=422(load case 5)
 Max Uplift 1=-225(load case 5), 9=-403(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1358/342, 2-3=-1308/346, 3-4=-2086/770, 4-5=-1057/282, 5-6=-737/243, 6-7=-126/25, 7-8=-32/35, 8-9=-52/38
 BOT CHORD 1-13=-655/1108, 12-13=-758/1358, 11-12=-1031/1880, 10-11=-533/982, 9-10=-323/633
 WEBS 3-13=-789/431, 3-12=-500/1031, 4-12=-133/408, 4-11=-1046/597, 5-11=-451/929, 5-10=-1043/612, 6-10=-262/640, 6-9=-796/398, 7-9=-233/205

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 Interior(1) 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 225 lb uplift at joint 1 and 403 lb uplift at joint 9.

LOAD CASE(S) Standard

Job L237313	Truss T03G	Truss Type GABLE	Qty 1	Ply 1	GREG TALLEY LOT 16 C.C.P.
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu May 10 13:17:18 2007 Page 1

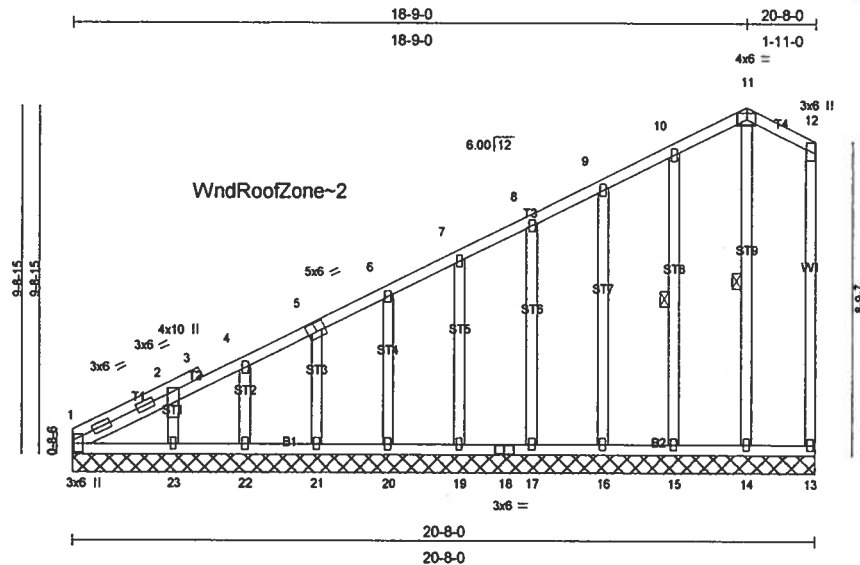


Plate Offsets (X,Y): [1:0-3-0,0-4], [5:0-3-0,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.06	Ver(L/L)	n/a	-	n/a	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.04	Ver(T/L)	n/a	-	n/a		
BCLL 10.0	Rep Stress Incr NO	WB 0.17	Horz(T/L)	-0.01	12	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)						
								Weight: 153 lb

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
 WEBS 1 Row at midpt 11-14, 10-15

REACTIONS (lb/size) 12=69/20-8-0, 1=134/20-8-0, 13=24/20-8-0, 14=228/20-8-0, 15=238/20-8-0, 16=233/20-8-0, 17=234/20-8-0, 19=233/20-8-0, 20=237/20-8-0, 21=239/20-8-0, 22=199/20-8-0, 23=333/20-8-0
 Max Horz 1=407(load case 5)
 Max Uplift 12=49(load case 6), 14=62(load case 5), 15=114(load case 5), 16=112(load case 5), 17=111(load case 5), 19=111(load case 5), 20=113(load case 5), 21=118(load case 5), 22=67(load case 5), 23=205(load case 5)
 Max Grav 12=73(load case 10), 1=161(load case 5), 13=24(load case 1), 14=228(load case 1), 15=240(load case 9), 16=233(load case 9), 17=234(load case 1), 19=233(load case 9), 20=237(load case 1), 21=239(load case 9), 22=199(load case 1), 23=333(load case 9)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-458/67, 2-3=-356/0, 3-4=-359/25, 4-5=-322/35, 5-6=-265/39, 6-7=-207/38, 7-8=-150/38, 8-9=-98/38, 9-10=-46/38, 10-11=-42/36, 11-12=-34/37, 12-13=0/0
 BOT CHORD 1-23=-4/5, 22-23=-4/5, 21-22=-4/5, 20-21=-1/1, 19-20=-1/1, 18-19=-1/1, 17-18=-1/1, 16-17=-1/1, 15-16=-1/1, 14-15=-1/1, 13-14=-1/1
 WEBS 11-14=-168/94, 10-15=-180/139, 9-16=-173/140, 8-17=-174/139, 7-19=-173/139, 6-20=-177/141, 5-21=-177/146, 4-22=-147/94, 2-23=-249/235

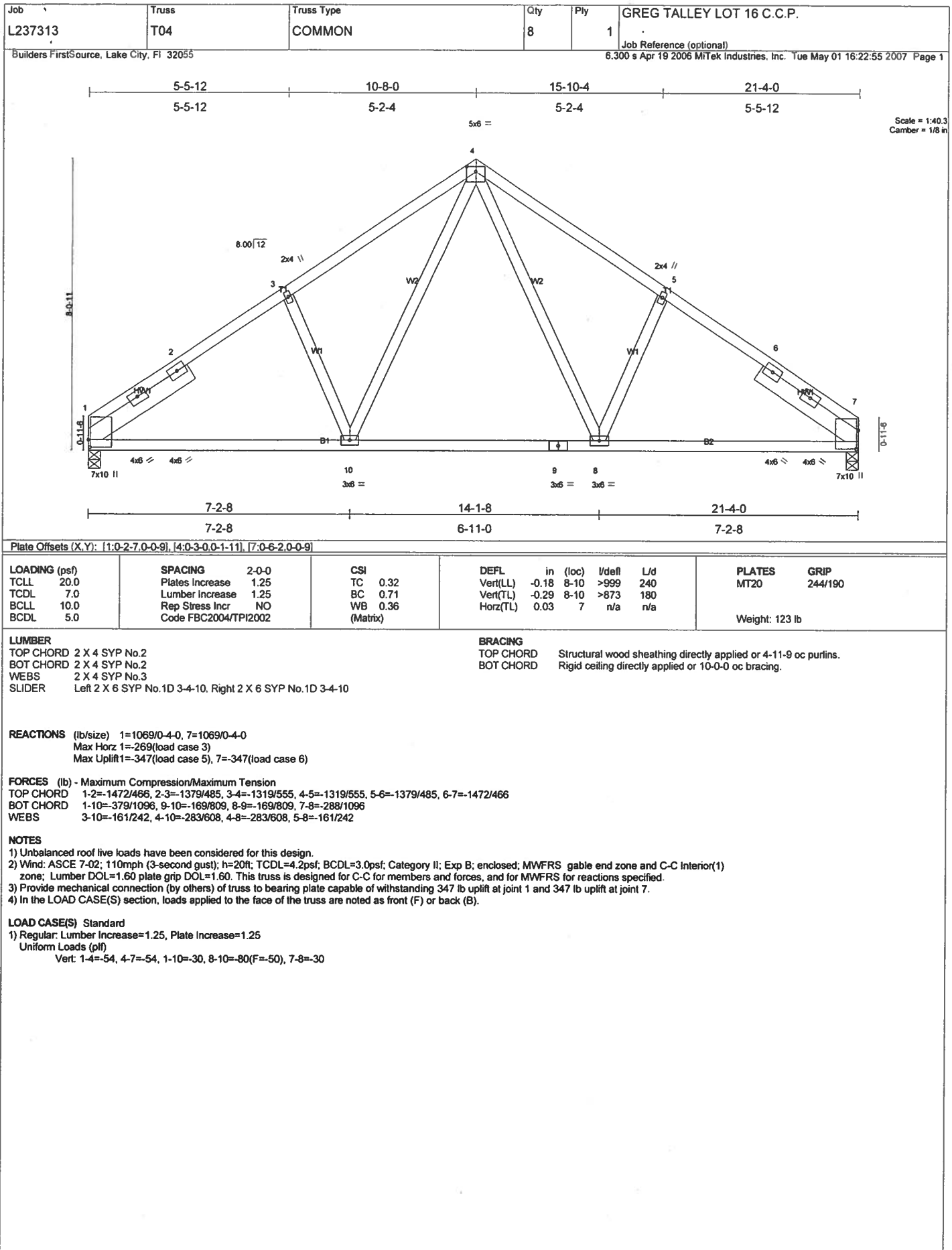
JOINT STRESS INDEX
 1 = 0.63, 2 = 0.45, 2 = 0.21, 3 = 0.00, 4 = 0.34, 5 = 0.19, 6 = 0.34, 7 = 0.34, 8 = 0.34, 9 = 0.34, 10 = 0.34, 11 = 0.25, 12 = 0.15, 13 = 0.34, 14 = 0.34, 15 = 0.34, 16 = 0.34, 17 = 0.34, 18 = 0.15, 19 = 0.34, 20 = 0.34, 21 = 0.34, 22 = 0.34 and 23 = 0.34

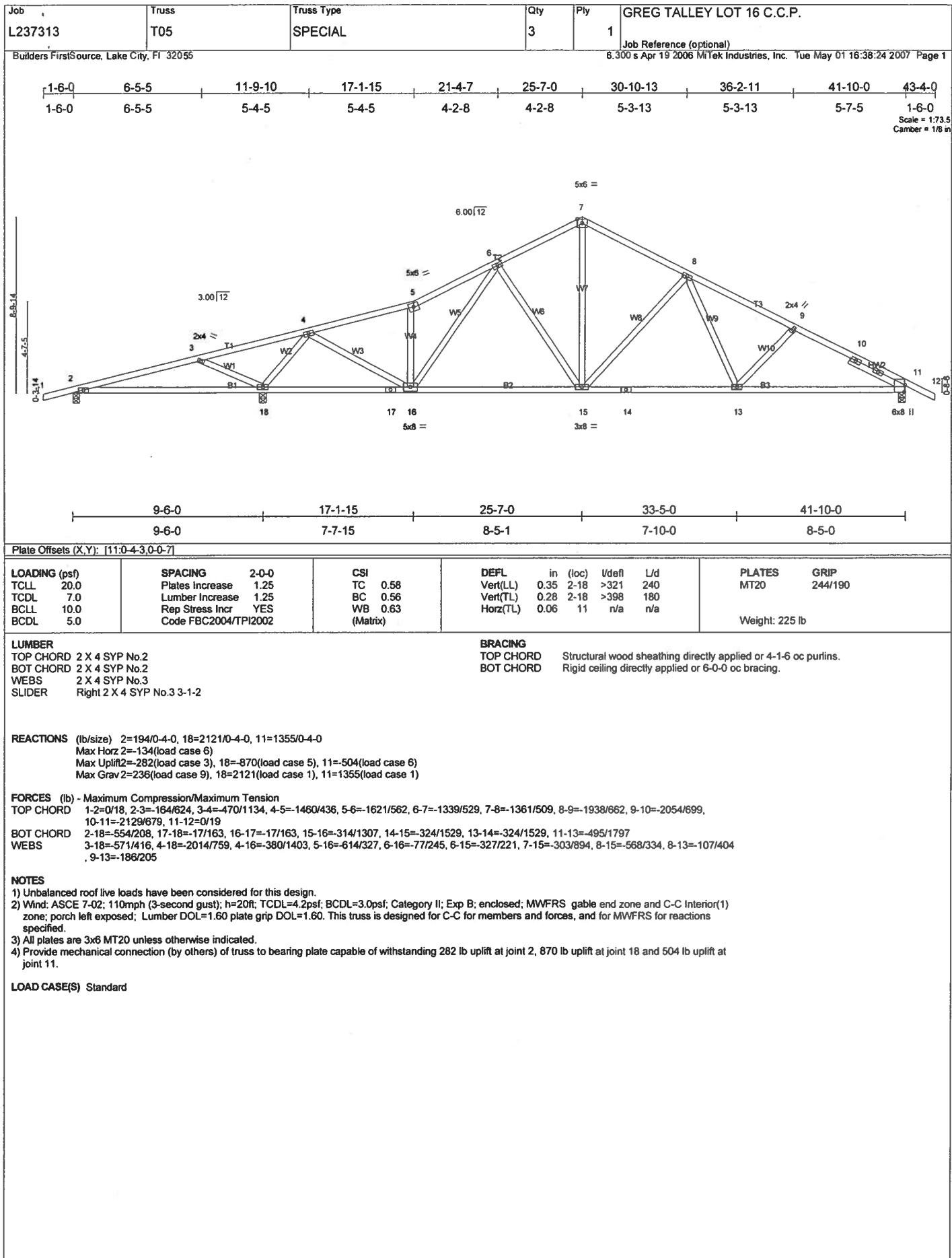
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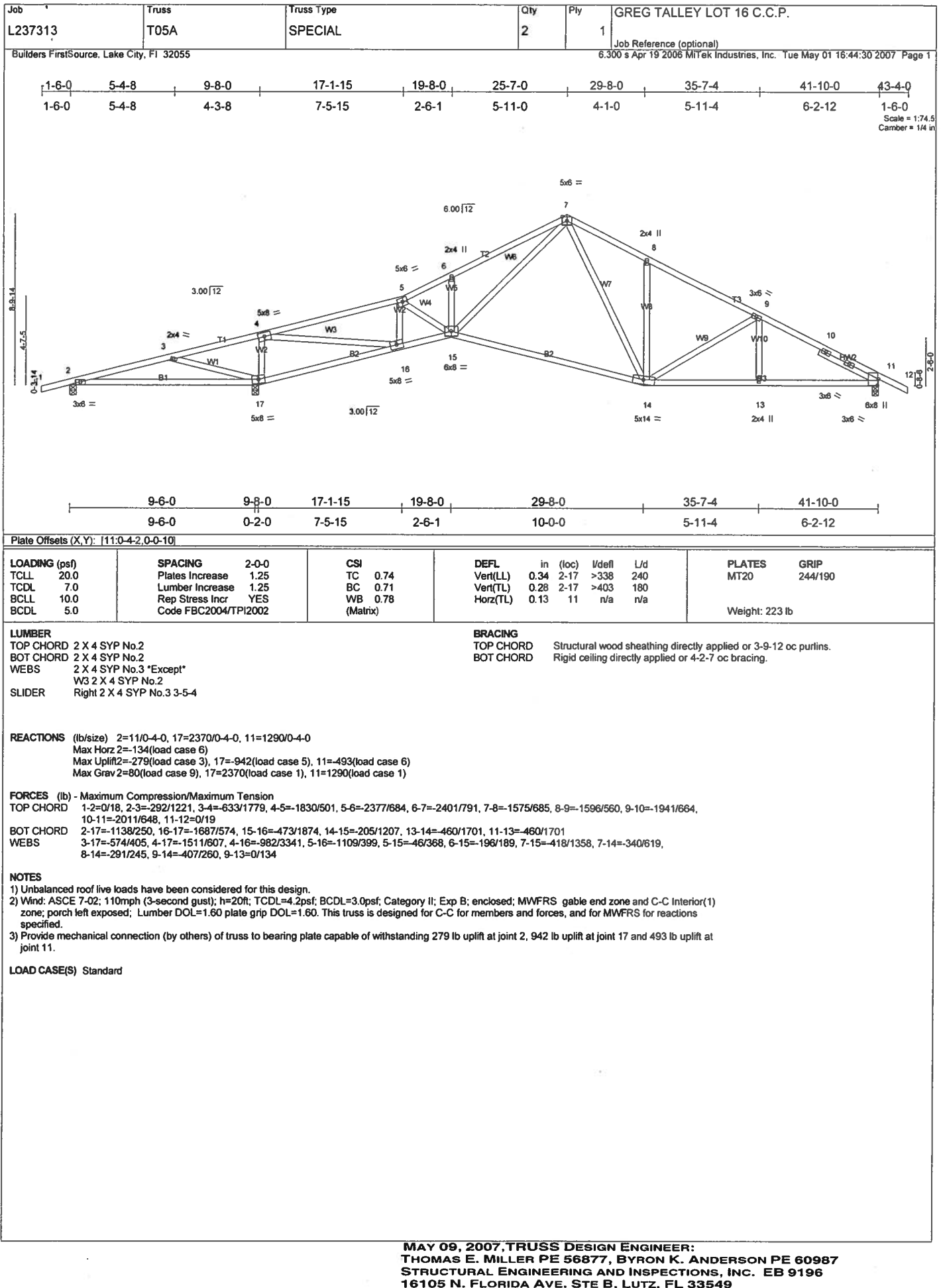
- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members 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"
- All plates are 2x4 MT20 unless otherwise indicated.
- Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Bearing at joint(s) 12 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 49 lb uplift at joint 12, 62 lb uplift at joint 14, 114 lb uplift at joint 15, 112 lb uplift at joint 16, 111 lb uplift at joint 17, 111 lb uplift at joint 19, 113 lb uplift at joint 20, 118 lb uplift at joint 21, 67 lb uplift at joint 22 and 205 lb uplift at joint 23.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

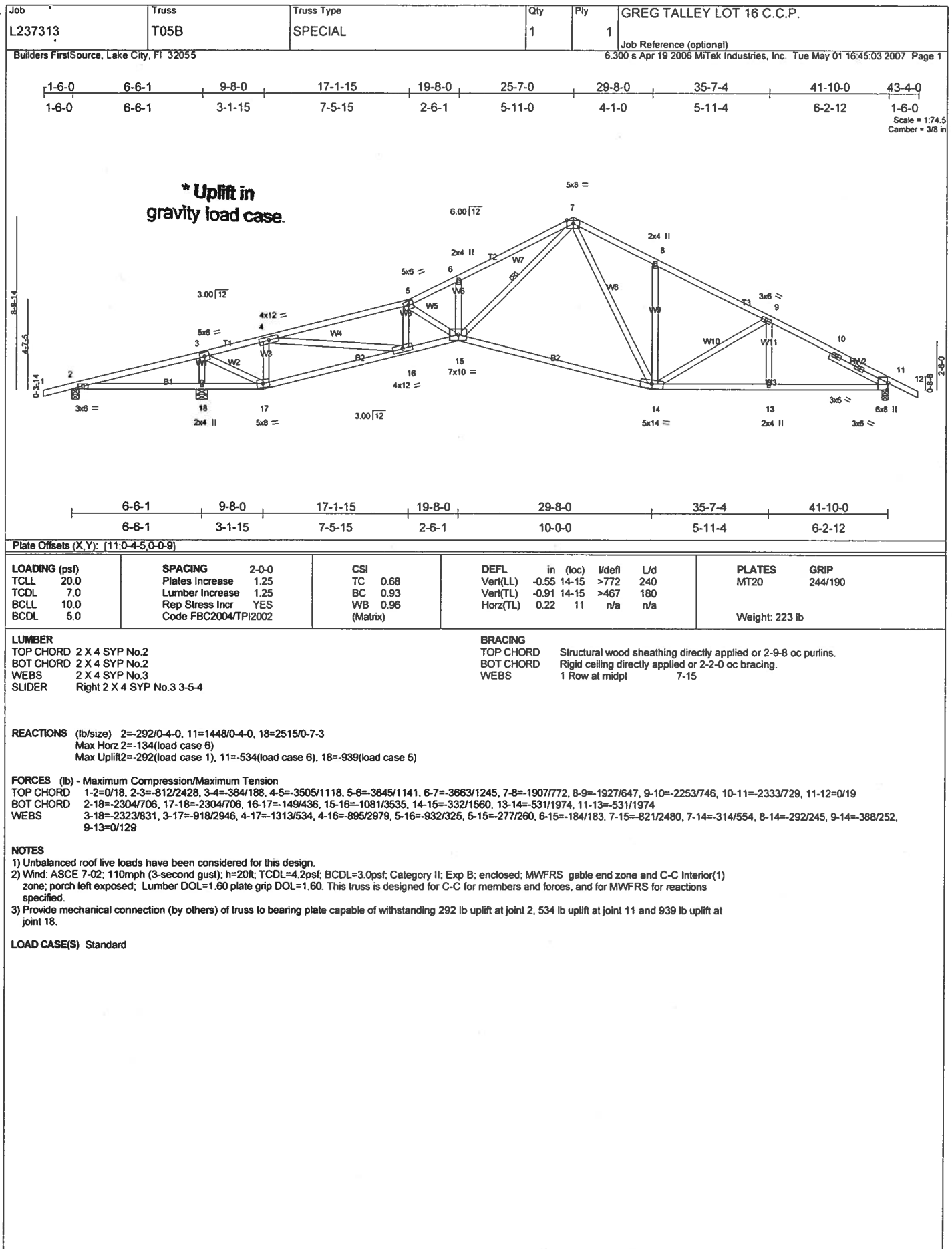
LOAD CASE(S) Standard

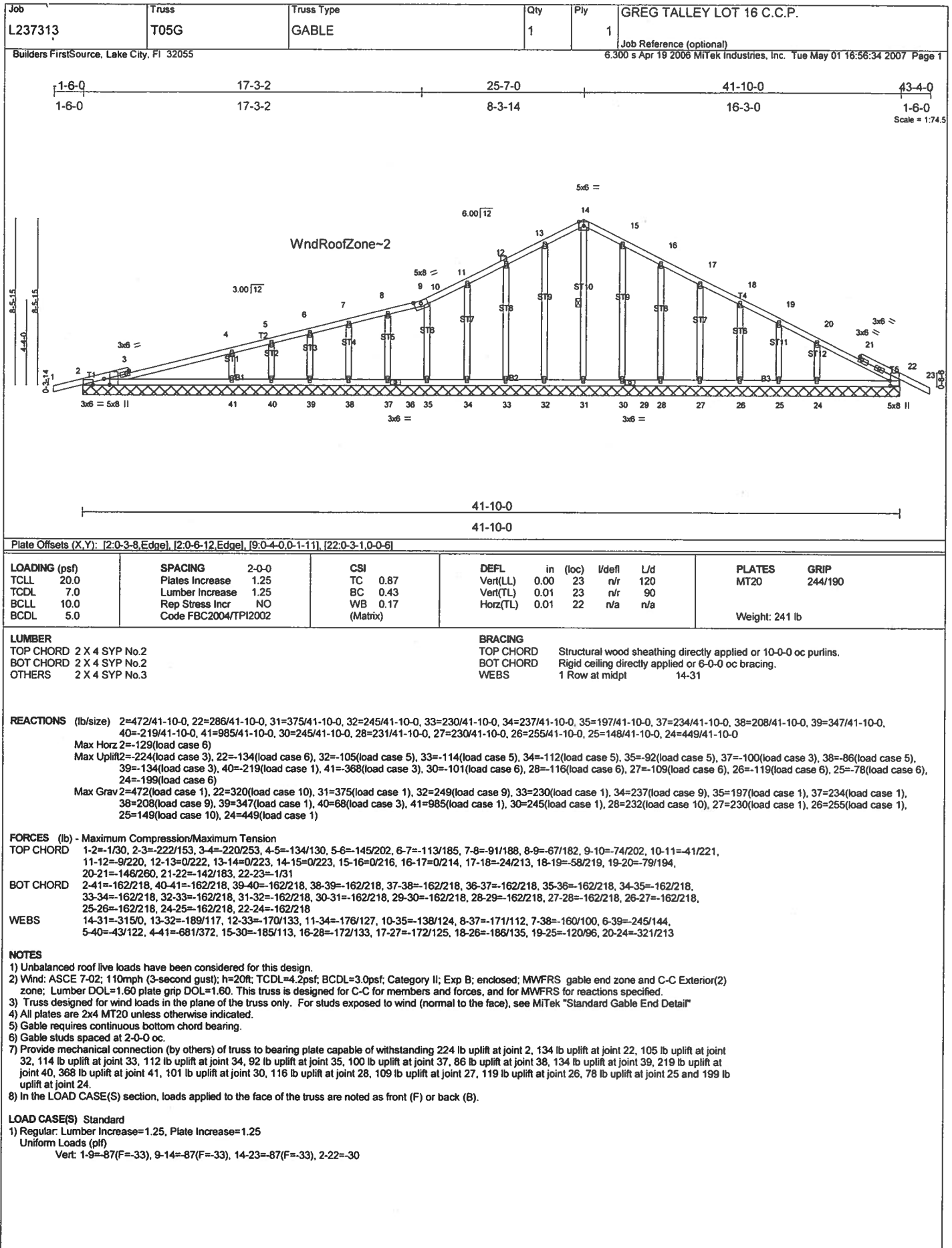
- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-11=-87(F=-33), 11-12=-87(F=-33), 1-13=-30

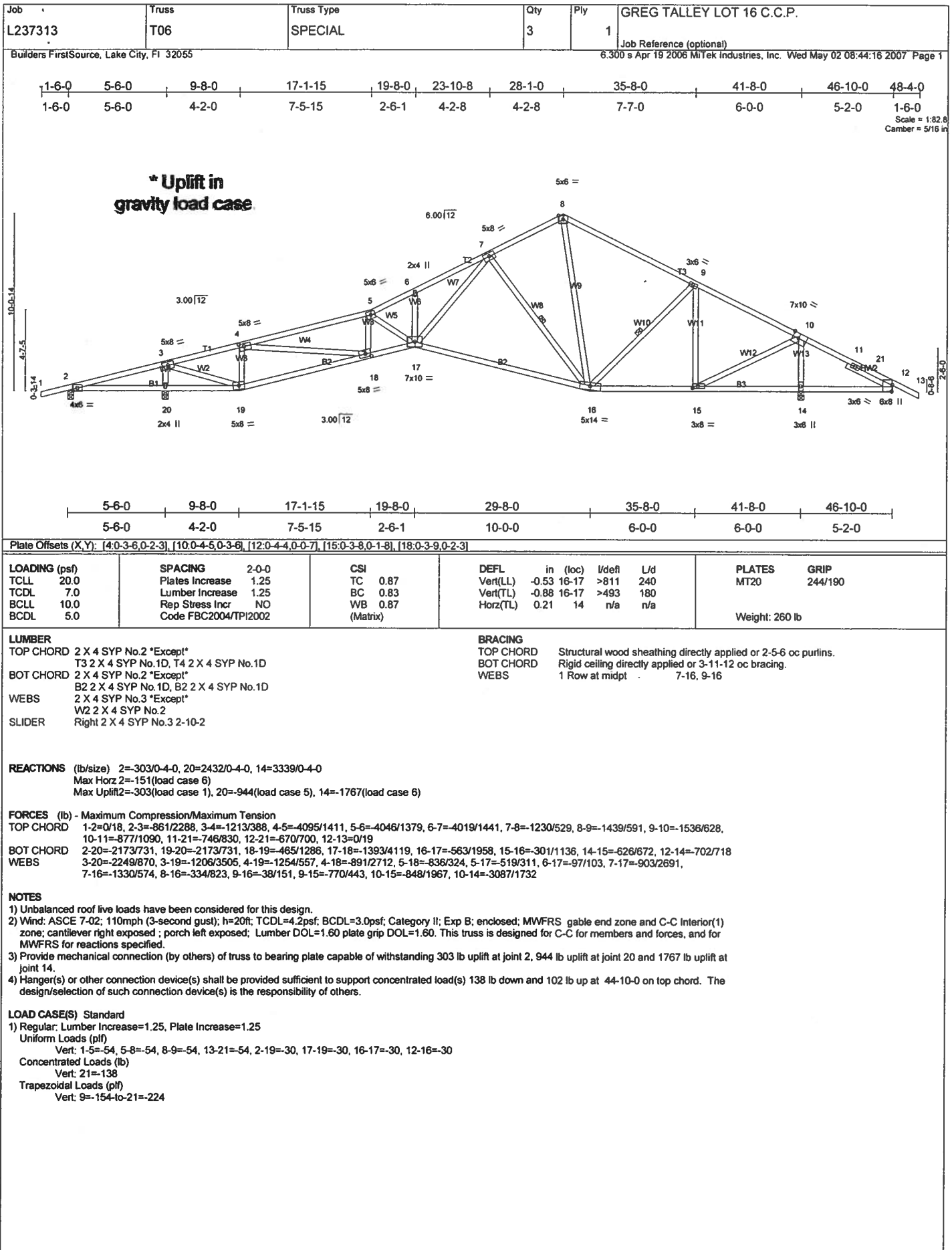


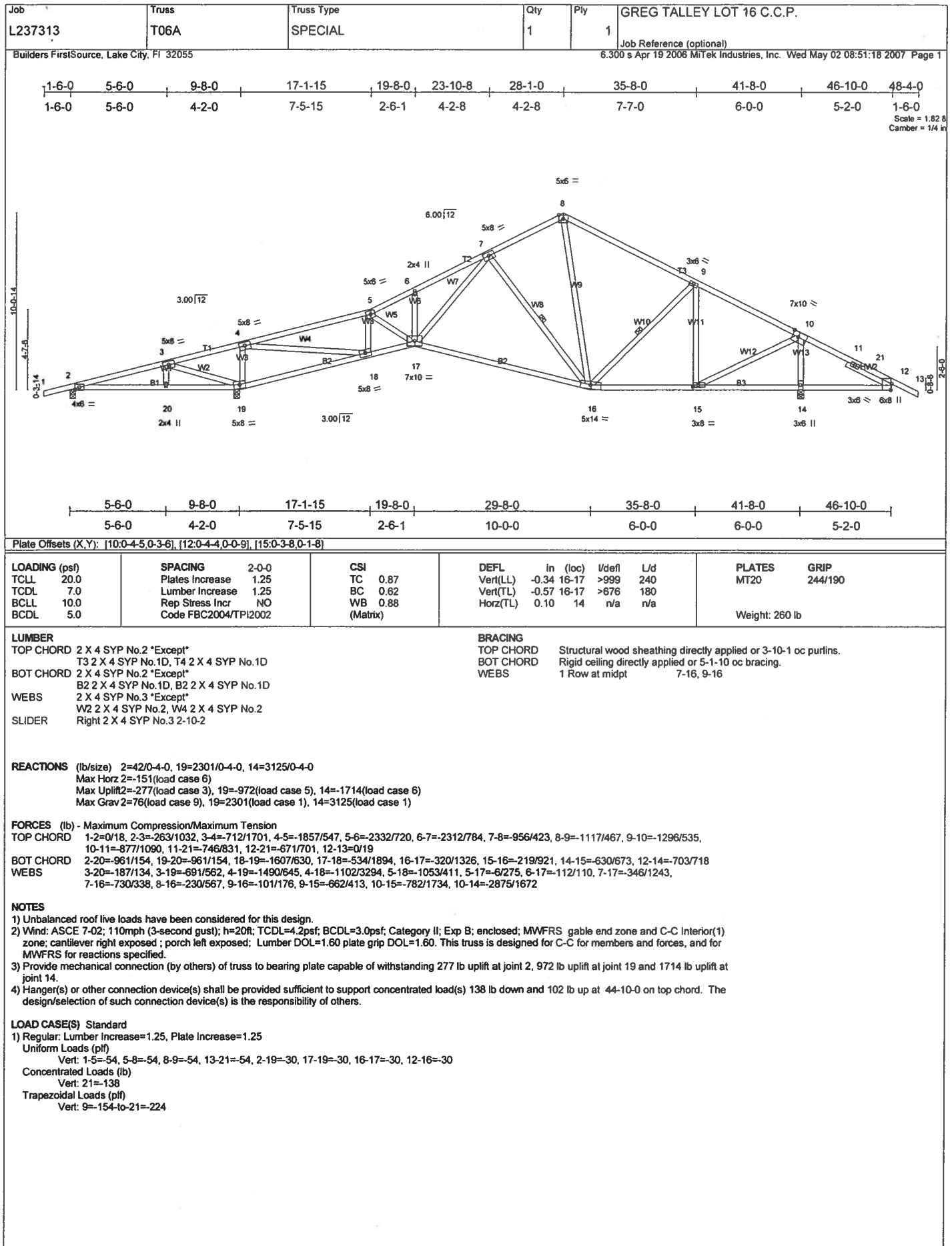


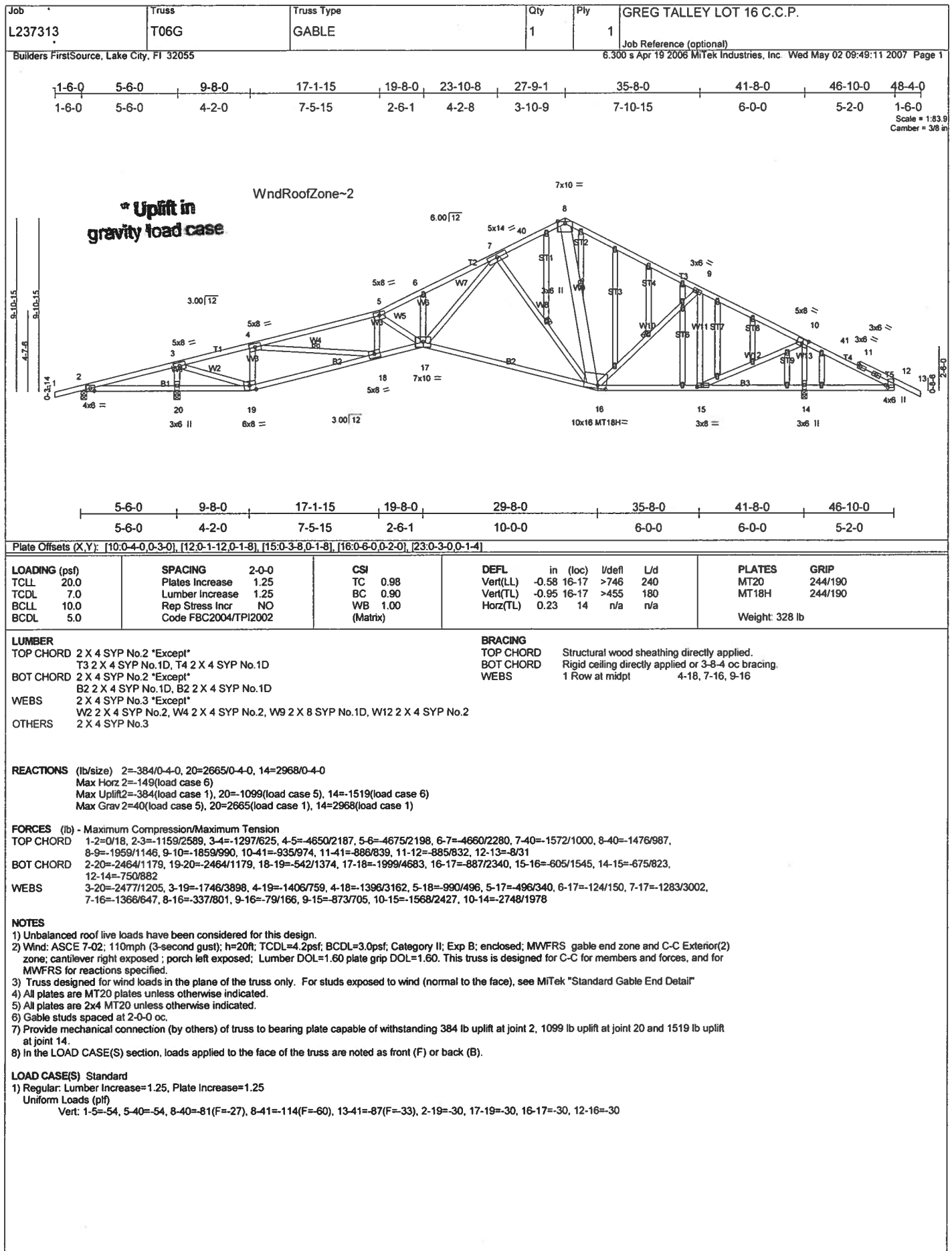


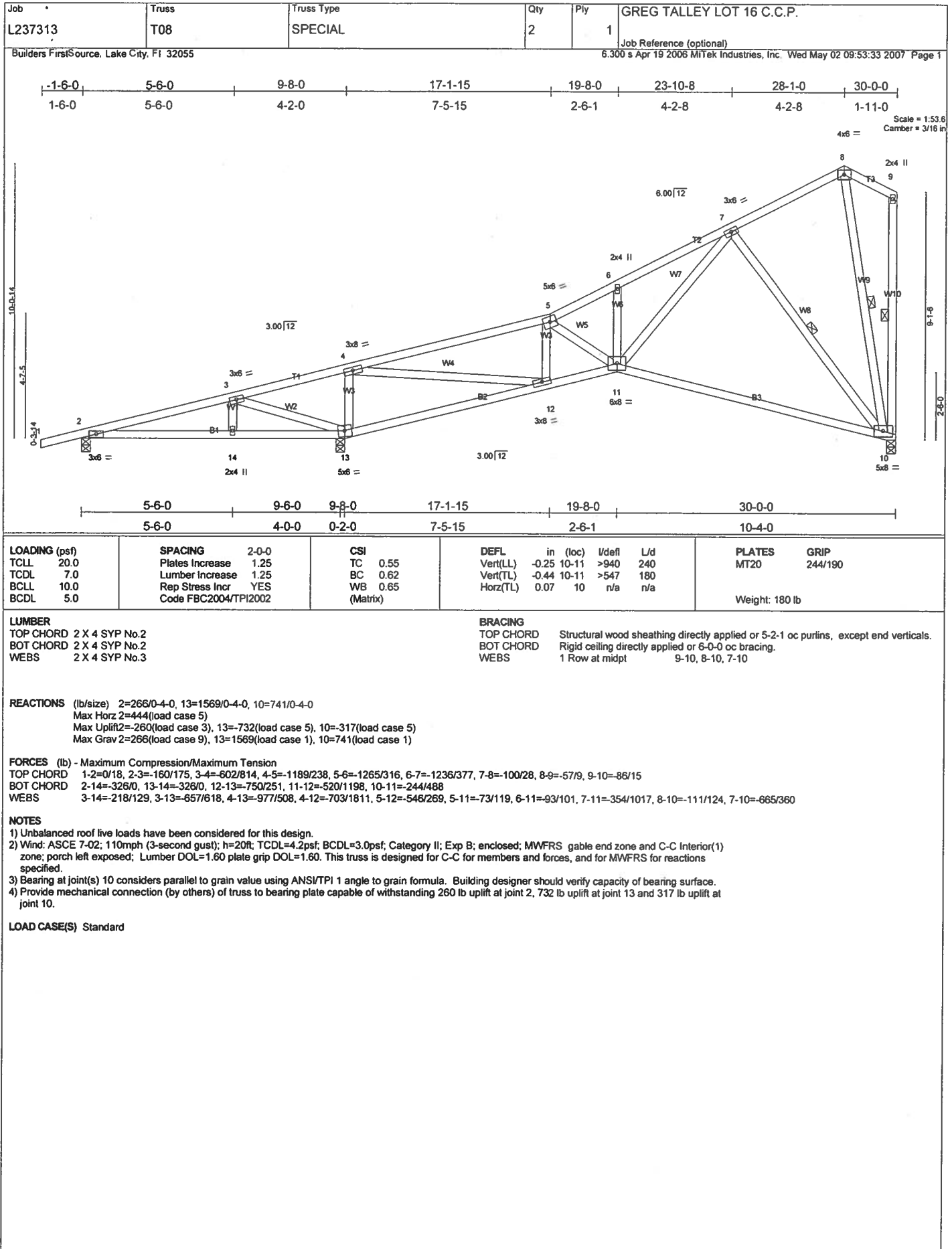




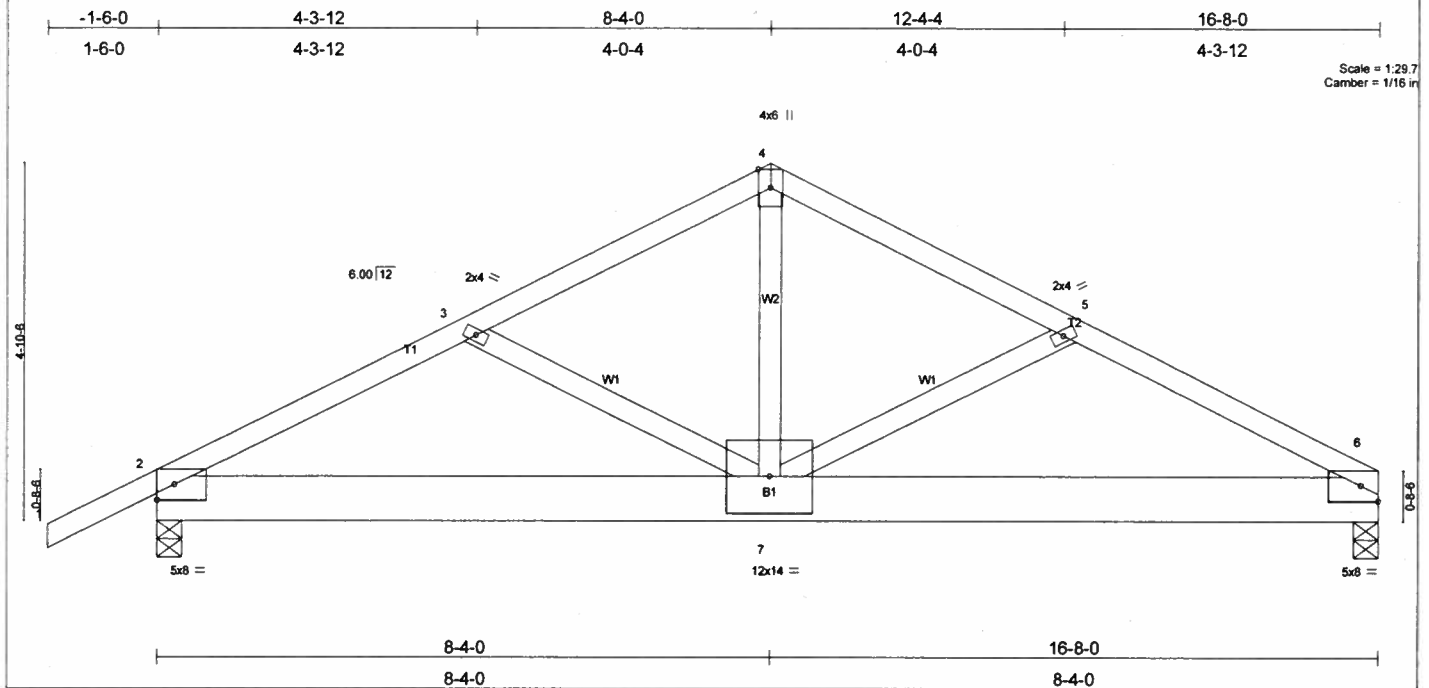








Job L237313	Truss TG2	Truss Type COMMON	Qty 1	Ply 2	GREG TALLEY LOT 16 C.C.P.
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed May 02 10:01:20 2007 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2'-0"	TC 0.51	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.45	Vert(LL) -0.11 6-7 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.64	Vert(TL) -0.17 6-7 >999 180		
BCDL 5.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.02 6 n/a n/a		
	Code FBC2004/TPI2002			Weight: 202 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 5-9-10 oc purlins.
BOT CHORD 2 X 8 SYP 2400F 2.0E	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 6=3826/0-4-0, 2=3925/0-4-0
 Max Horz 2=95(load case 4)
 Max Uplift 6=-1408(load case 5), 2=-1508(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/27, 2-3=-4843/1788, 3-4=-4766/1763, 4-5=-4767/1753, 5-6=-4846/1802
 BOT CHORD 2-7=-1559/4185, 6-7=-1510/4189
 WEBS 3-7=-52/196, 4-7=-1439/4004, 5-7=-50/194

NOTES

- 2-ply truss to be connected together with 10d (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 0-9-0 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; 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 1408 lb uplift at joint 6 and 1508 lb uplift at joint 2.
- Girder carries tie-in span(s): 20-8-0 from 0-0-0 to 16-8-0

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-4=-54, 4-6=-54, 2-6=-415(F=-385)

Job L237313	Truss V5	Truss Type VALLEY	Qty 1	Ply 1	GREG TALLEY LOT 16 C.C.P. Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.300 s Apr 19 2006 MiTek Industries, Inc. Wed May 02 10:04:31 2007 Page 1		

Scale = 1:14.7

LOADING (psf)	SPACING 2-0-0	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.28	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.16	Vert(LL) n/a - n/a 999		
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Vert(TL) n/a - n/a 999		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.00 n/a n/a		
				Weight: 20 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 5-6-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
--	---

REACTIONS (lb/size) 1=199/5-6-0, 3=199/5-6-0
 Max Horz 1=109(load case 5)
 Max Uplift 1=-48(load case 5), 3=-102(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-68/46, 2-3=-128/117
 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 Interior(1) 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) Gable requires continuous bottom chord bearing.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 48 lb uplift at joint 1 and 102 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L237313	Truss V6	Truss Type GABLE	Qty 1	Ply 1	GREG TALLEY LOT 16 C.C.P.
Builders FirstSource, Lake City, Fl 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed May 02 10:10:32 2007 Page 1		

Scale = 1:16.9

LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.12	Vert(LL) n/a - n/a 999	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.06	Vert(TL) n/a - n/a 999		
BCLL 10.0	Rep Stress Incr YES	WB 0.05	Horz(TL) 0.00 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			
				Weight: 26 lb	

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 X 4 SYP No.3	
OTHERS 2 X 4 SYP No.3	

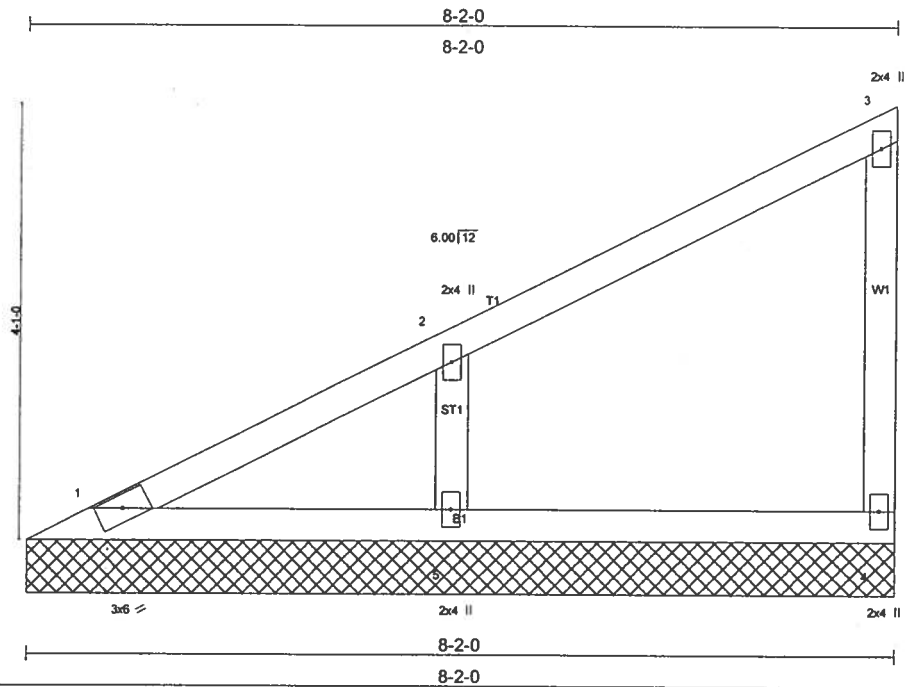
REACTIONS (lb/size) 1=114/6-6-11, 4=62/6-6-11, 5=311/6-6-11
 Max Horz 1=134(load case 5)
 Max Uplift 4=32(load case 5), 5=160(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-118/49, 2-3=-40/12, 3-4=-40/36
 BOT CHORD 1-5=0/0, 4-5=0/0
 WEBS 2-5=-199/182

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint 4 and 160 lb uplift at joint 5.
 3) Non Standard bearing condition. Review required.

LOAD CASE(S) Standard

Job L237313	Truss V8	Truss Type GABLE	Qty 1	Ply 1	GREG TALLEY LOT 16 C.C.P.
Builders FirstSource, Lake City, FL 32055			6.300 s Apr 19 2006 MiTek Industries, Inc. Wed May 02 10:10:49 2007 Page 1		



Scale = 1/20.4

LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2'-0"	TC 0.16	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.09	Vert(LL) n/a - n/a 999		
BCLL 10.0	Lumber Increase 1.25	WB 0.05	Vert(TL) n/a - n/a 999		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 4 n/a n/a		
	Code FBC2004/TPI2002			Weight: 32 lb	

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

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

REACTIONS (lb/size) 1=114/8-2-0, 4=145/8-2-0, 5=362/8-2-0
 Max Horz 1=171(load case 5)
 Max Uplift 4=-75(load case 5), 5=-185(load case 5)

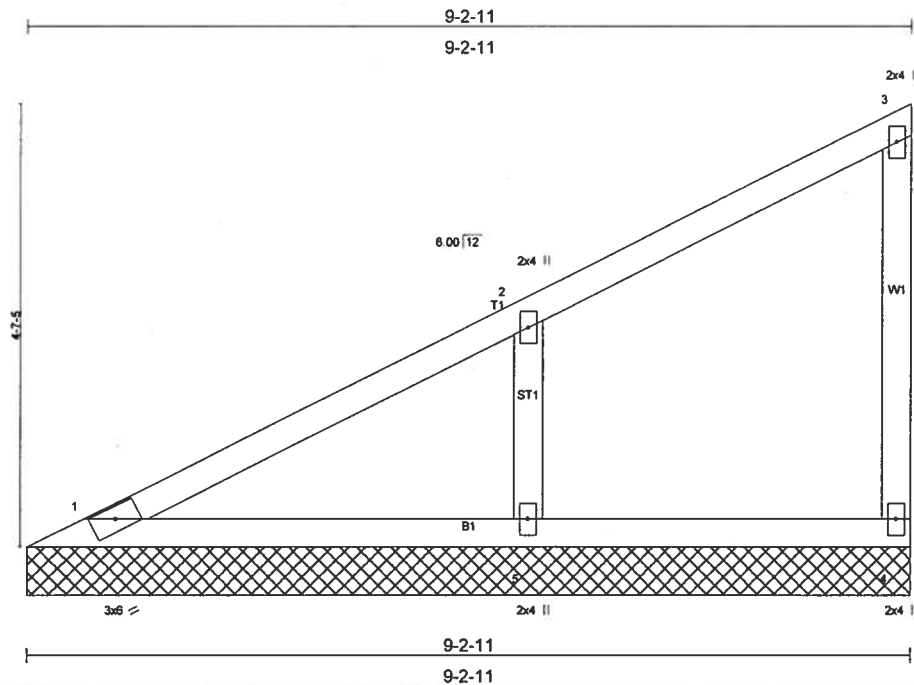
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-148/28, 2-3=-74/23, 3-4=-90/84
 BOT CHORD 1-5=-11/19, 4-5=-11/19
 WEBS 2-5=-230/206

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 Interior(1) 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) Gable requires continuous bottom chord bearing.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 75 lb uplift at joint 4 and 185 lb uplift at joint 5.

LOAD CASE(S) Standard

Job L237313	Truss V9	Truss Type GABLE	Qty 1	Ply 1	GREG TALLEY LOT 16 C.C.P.
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed May 02 10:12:09 2007 Page 1		



Scale = 1/22.7

LOADING (psf)	SPACING	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.20	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.14	Vert(TL)	n/a	-	n/a	999		
BCCL 10.0	Lumber Increase 1.25	WB 0.06	Horz(TL)	0.00	4	n/a	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)							
	Code FBC2004/TPI2002							Weight: 37 lb	

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

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

REACTIONS (lb/size) 1=159/9-2-11, 4=120/9-2-11, 5=431/9-2-11
 Max Horz 1=195(load case 5)
 Max Uplift 4=63(load case 5), 5=-221(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-165/53, 2-3=-87/26, 3-4=-77/74
 BOT CHORD 1-5=-6/10, 4-5=-6/10
 WEBS 2-5=-268/235

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 4 and 221 lb uplift at joint 5.
- 3) Non Standard bearing condition. Review required.

LOAD CASE(S) Standard

Job L237313	Truss V10	Truss Type GABLE	Qty 1	Ply 1	GREG TALLEY LOT 16 C.C.P. Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6.300 s Apr 19 2006 MiTek Industries, Inc. Wed May 02 10:07:50 2007 Page 1		

Scale = 1:25.2

LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 10.0 BCDL 5.0	SPACING 2-0-0 Plates Increase 1.25 Lumber Increase 1.25 Rep Stress Incr YES Code FBC2004/TPI2002	CSI TC 0.11 BC 0.09 WB 0.05 (Matrix)	DEFL in (loc) l/defl L/d Vert(LL) n/a - n/a 999 Vert(TL) n/a - n/a 999 Horz(TL) 0.00 5 n/a n/a	PLATES GRIP MT20 244/190 Weight: 48 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	BRACING TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals. BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
---	---

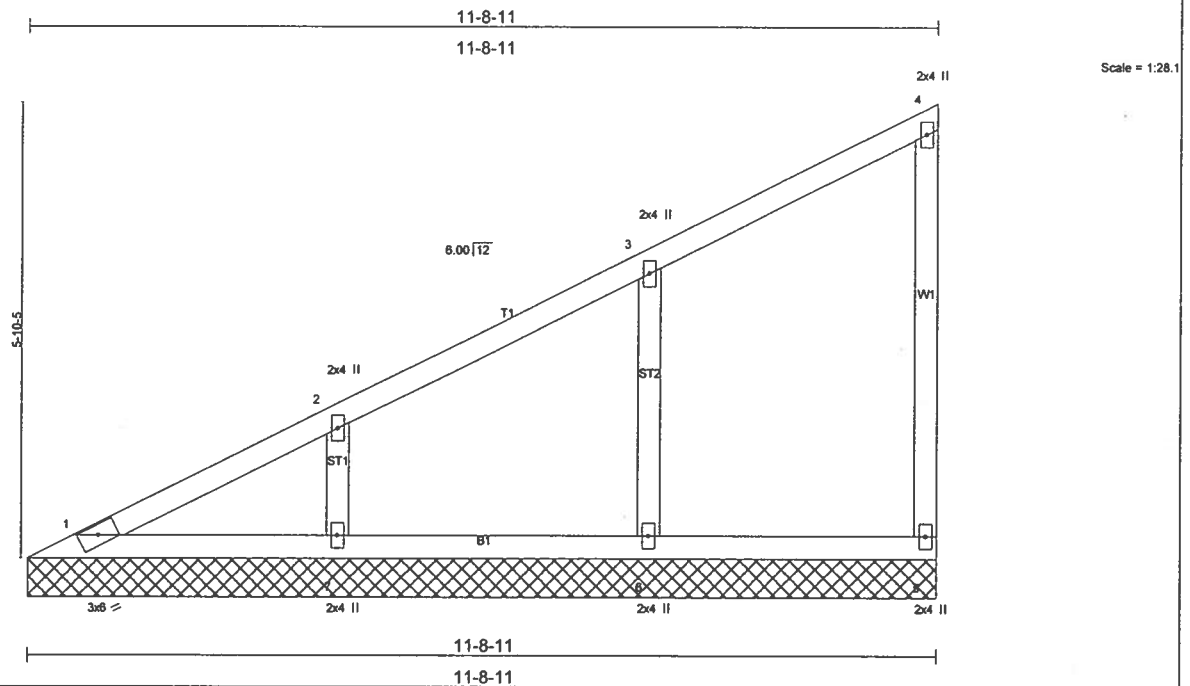
REACTIONS (lb/size) 1=108/10-10-0, 5=84/10-10-0, 7=354/10-10-0, 6=301/10-10-0
 Max Horz 1=232(load case 5)
 Max Uplift 5=44(load case 5), 7=182(load case 5), 6=153(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-225/46, 2-3=-125/43, 3-4=-44/21, 4-5=-52/48
 BOT CHORD 1-7=-2/3, 6-7=-2/3, 5-6=-2/3
 WEBS 2-7=-222/196, 3-6=-195/179

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 Interior(1) 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) Gable requires continuous bottom chord bearing.
 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 44 lb uplift at joint 5, 182 lb uplift at joint 7 and 153 lb uplift at joint 6.

LOAD CASE(S) Standard

Job L237313	Truss V11	Truss Type GABLE	Qty 1	Ply 1	GREG TALLEY LOT 16 C.C.P.
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed May 02 10:08:02 2007 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.10	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.09	Vert(LL) n/a - n/a 999		
BCLL 10.0	Lumber Increase 1.25	WB 0.06	Vert(TL) n/a - n/a 999		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 5 n/a n/a		
	Code FBC2004/TPI2002			Weight: 51 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

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

REACTIONS (lb/size) 1=112/11-8-11, 5=128/11-8-11, 7=346/11-8-11, 6=335/11-8-11
 Max Horz 1=253(load case 5)
 Max Uplift 5=-67(load case 5), 7=-179(load case 5), 6=-171(load case 5)

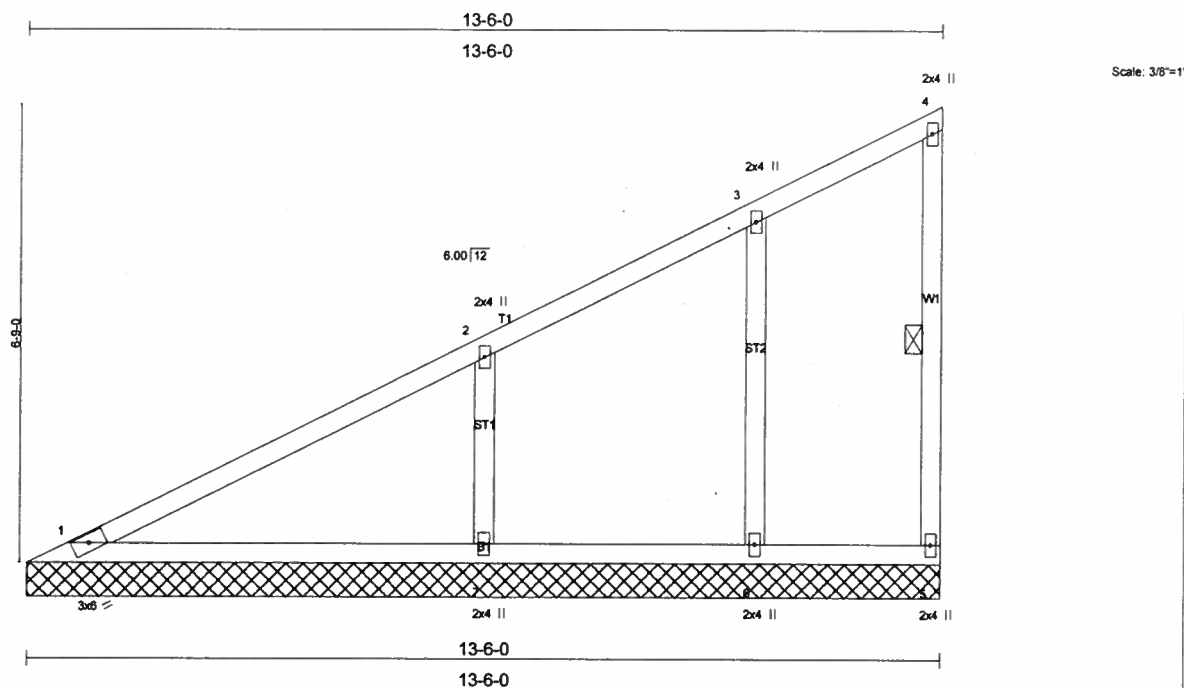
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-245/40, 2-3=-147/39, 3-4=-58/28, 4-5=-79/72
 BOT CHORD 1-7=-5/8, 6-7=-5/8, 5-6=-5/8
 WEBS 2-7=-217/191, 3-6=-218/201

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 5, 179 lb uplift at joint 7 and 171 lb uplift at joint 6.
- 3) Non Standard bearing condition. Review required.

LOAD CASE(S) Standard

Job L237313	Truss V13	Truss Type GABLE	Qty 1	Ply 1	GREG TALLEY LOT 16 C.C.P.
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed May 02 10:09:05 2007 Page 1		



LOADING (psf)	SPACING 2'-0"	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.32	in (loc) l/def L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.23	Vert(LL) n/a - n/a 999		
BCLL 10.0	Rep Stress Incr YES	WB 0.07	Vert(TL) n/a - n/a 999		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)	Horz(TL) 0.00 5 n/a n/a		
				Weight: 62 lb	

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 6'-0" oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 10'-0" oc bracing.
 WEBS 1 Row at midpt 4-5

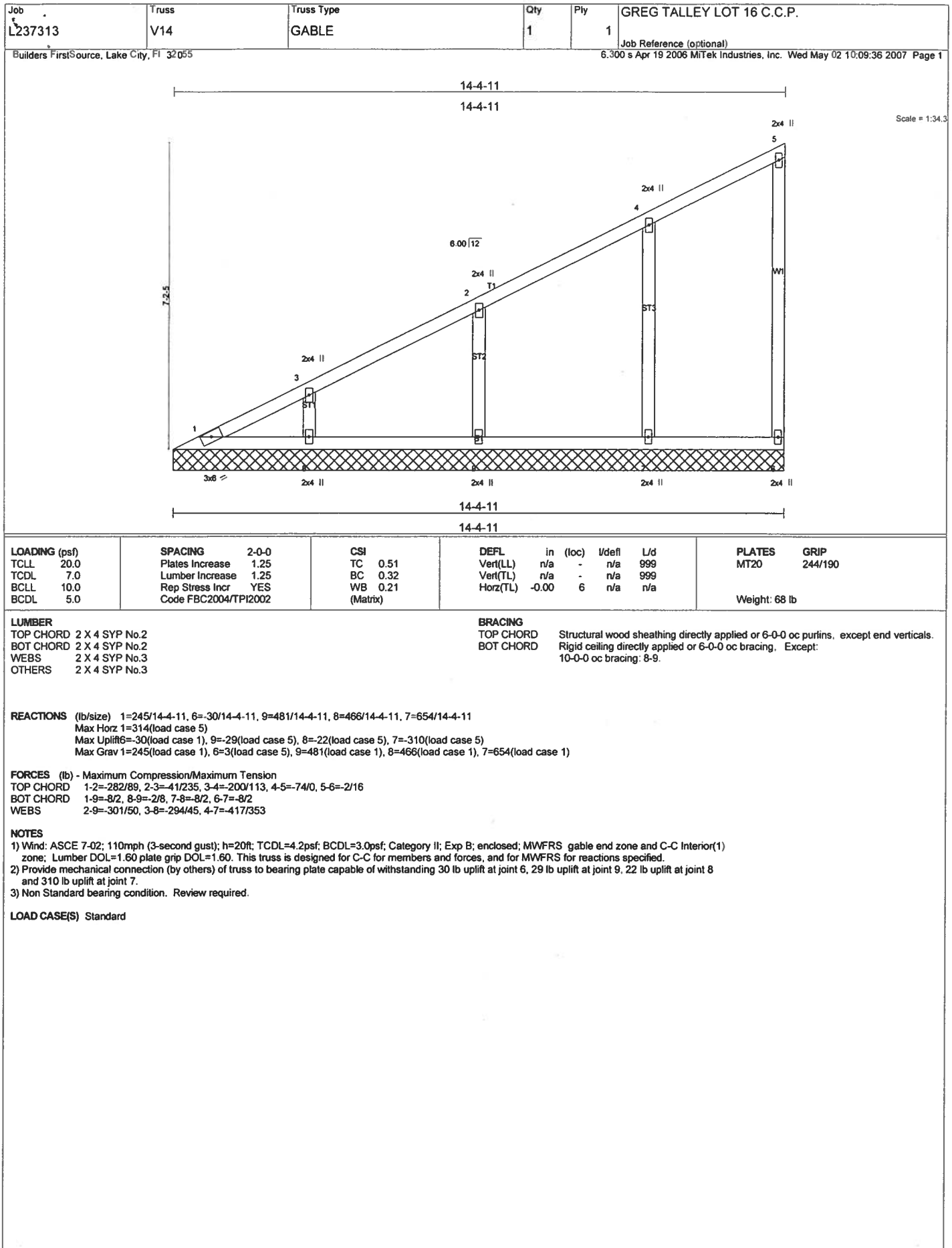
REACTIONS (lb/size) 1=211/13'-6", 5=103/13'-6", 7=540/13'-6", 6=216/13'-6"
 Max Horz 1=294(load case 5)
 Max Uplift 5=-55(load case 5), 7=-278(load case 5), 6=-109(load case 5)

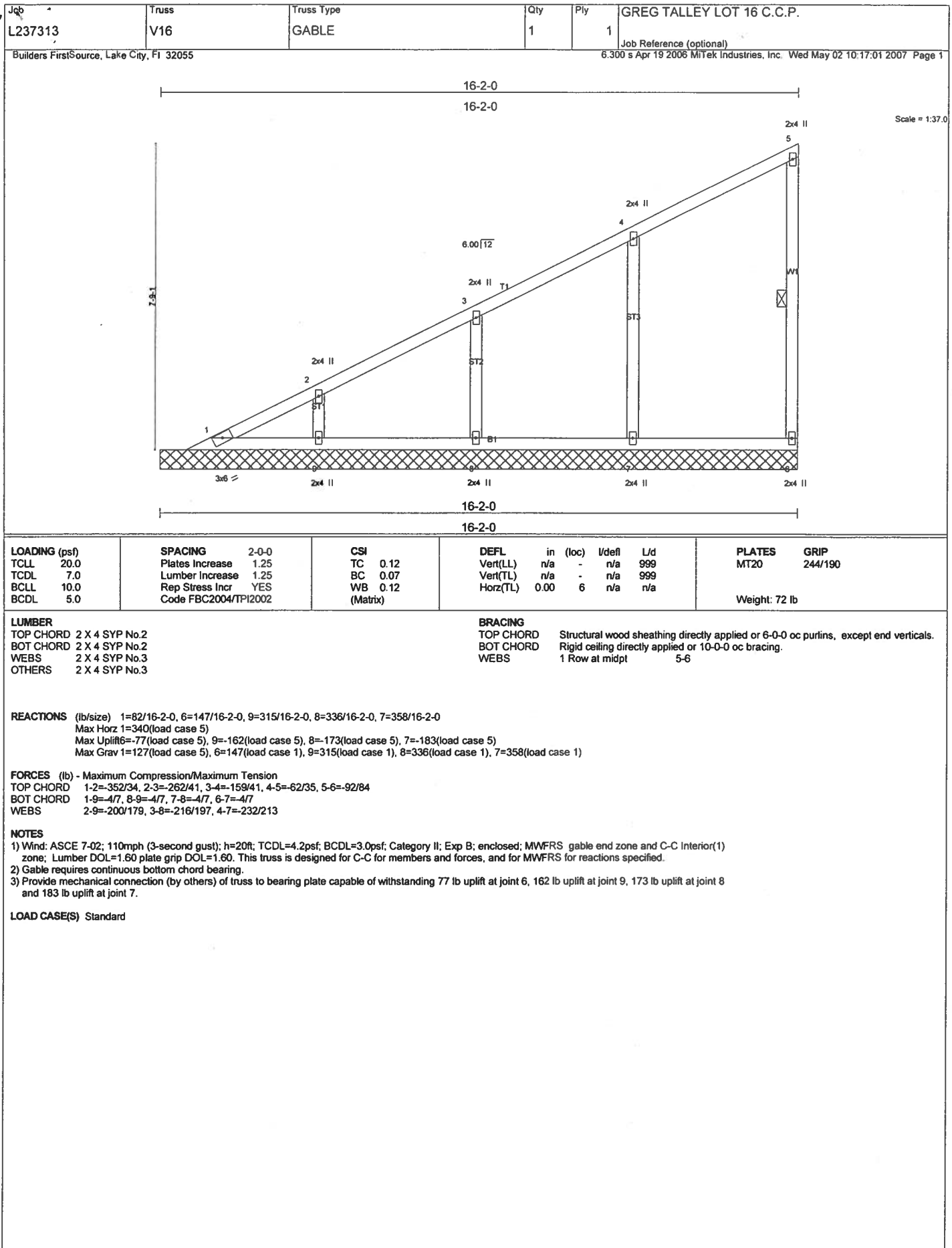
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-261/79, 2-3=-111/28, 3-4=-38/25, 4-5=-63/55
 BOT CHORD 1-7=-3/4, 6-7=-3/4, 5-6=-3/4
 WEBS 2-7=-331/284, 3-6=-147/143

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 Interior(1) 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) Gable requires continuous bottom chord bearing.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 55 lb uplift at joint 5, 278 lb uplift at joint 7 and 109 lb uplift at joint 6.

LOAD CASE(S) Standard



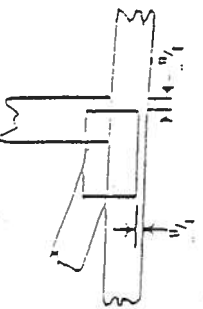


Symbols

PLATE LOCATION AND ORIENTATION



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



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



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

PLATE SIZE



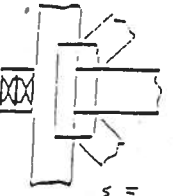
The first dimension is the width, perpendicular to slits. Second dimension is the length, parallel to slits.

LATERAL BRACING



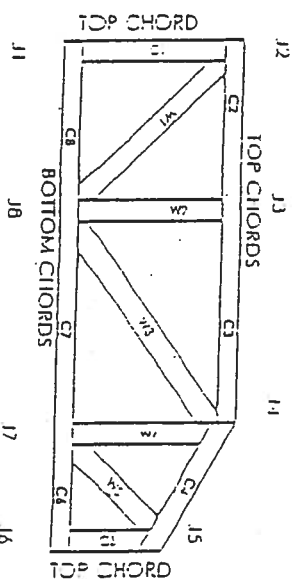
Indicates location of required continuous lateral bracing.

BEARINGS



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

Numbering System



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

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SACCI	9657, 9432A
WISC/DIIR	960022-W, 970036-11
IIR	561

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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



BEARING HEIGHT SCHEDULE

8'-0"

EXTERIOR WALL SIZE	2 X 4
OVERHANG	1'-6"
ROOF PITCH	3/12 6/12 8/12

NOTES:

- 1) REFER TO BID #1 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED
- 2) ALL TRUSSES, INCLUDING TRUSSES UNDER VALLEYS, MUST BE COMPLETELY DECIDED OR CRESTED WITH VALLEYS FOR ALTERNATE BRACING REQUIREMENTS
- 3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER
- 4) ALL TRUSSES ARE DESIGNED FOR 2 O.C. MAXIMUM SPACING, UNLESS OTHERWISE NOTED
- 5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED
- 6) 5/4x2 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP
- 7) ALL ROOF TRUSS HANGERS TO BE SHARPSON H2708 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SHARPSON H2442Z UNLESS OTHERWISE NOTED
- 8) BEARING AREA INTER. (NDR) TO BE FINISHED BY BUILDER

SHOP DRAWING APPROVAL

THIS LAYOUT IS THE SOLE SOURCE FOR IDENTIFICATION OF TRUSSES AND VALLEYS. 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 PREPARE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Accepted Design Date: _____

Approved By: _____ Date: _____

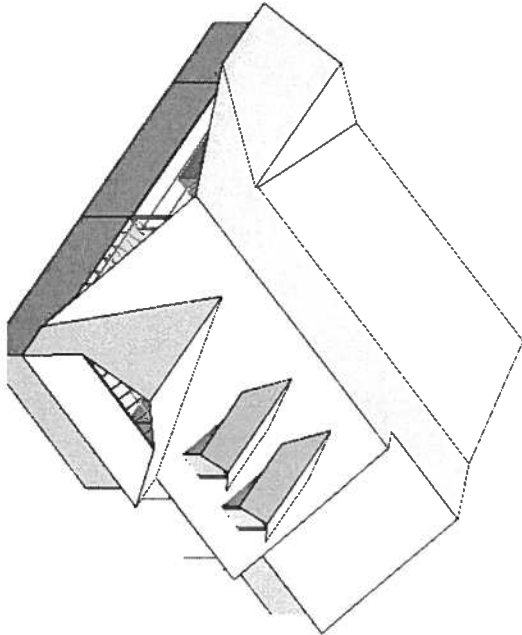
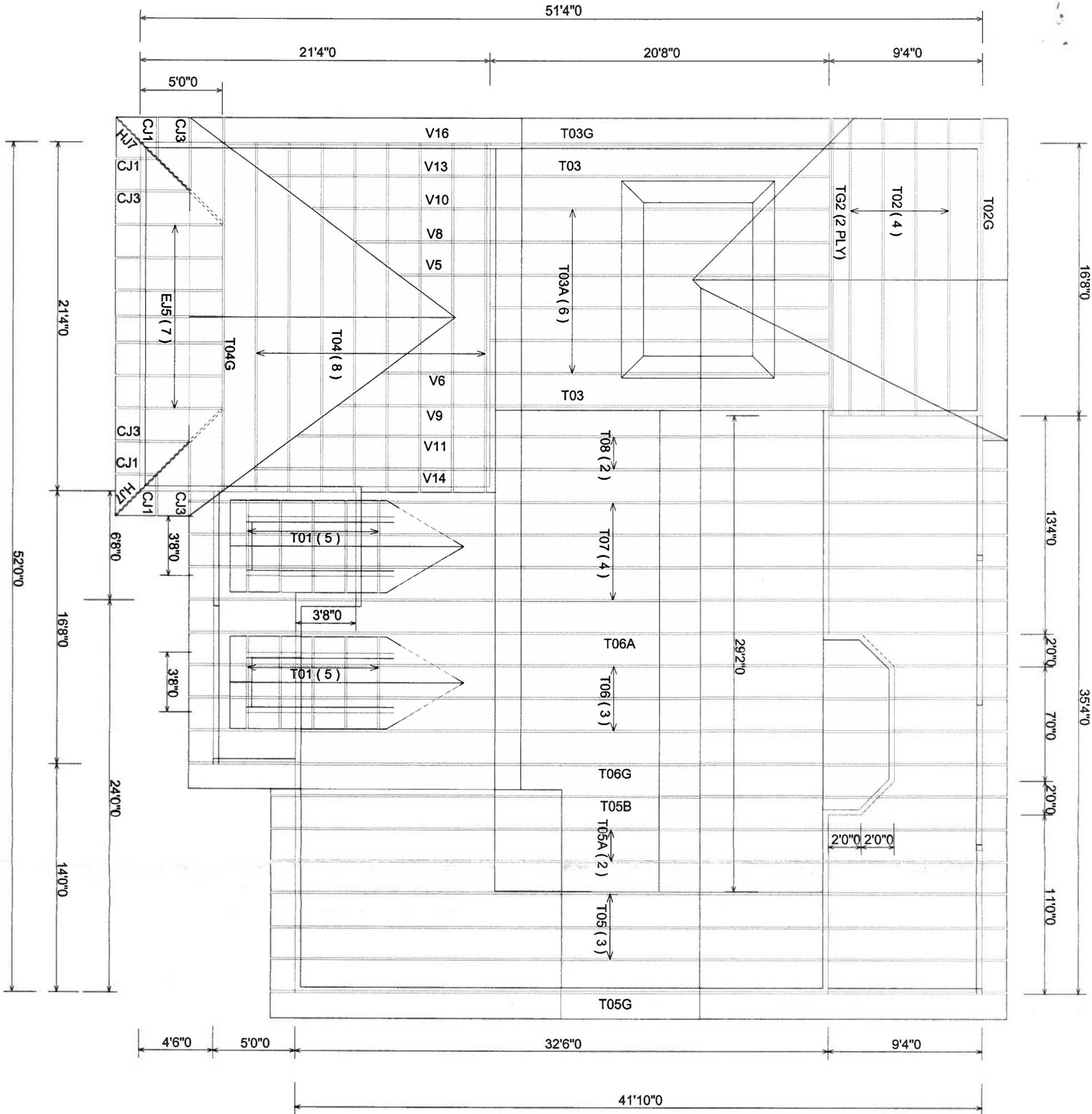


Bunnell
PHONE: 904-437-3349 FAX: 904-437-3994
Jacksonville
PHONE: 904-772-6100 FAX: 904-772-1973
Lake City
PHONE: 904-755-6894 FAX: 904-755-7973
Sanford
PHONE: 407-322-0099 FAX: 407-322-5553

BUILDER: **GREG TALLEY**

LEGAL ADDRESS: **LOT 16 C.C.P.**

DRAWN BY: **ROSEWOOD** SCALE: **NTS**
DATE: **5/02/07** F.G. L237313



FLORIDA DEPARTMENT OF Community Affairs



Community Affairs

- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
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Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > [Application Detail](#)

FL # FL5108
Application Type New
Code Version 2004
Application Status Approved
Comments
☐ Archived

Product Manufacturer MI Windows and Doors
Address/Phone/Email 650 W Market St
 Gratz, PA 17030
 (717) 365-3300 ext 2101
 surich@miwd.com

Authorized Signature Steven Urlich
 surich@miwd.com

Technical Representative
 Public User / Public User

Quality Assurance Representative
 Address / Phone / Email

Window



Director / Operations Administrator

AAMA CERTIFICATION PROGRAM



AUTHORIZATION FOR PRODUCT CERTIFICATION

MI Windows & Doors, Inc.
P.O. Box 370
Gratz, PA 17030-0370

Attn: Bill Emley

The product described below is hereby approved for listing in the next issue of the AAMA Certified Products Directory. The approval is based on successful completion of tests, and the reporting to the Administrator of the results of tests, accompanied by related drawings, by an AAMA Accredited Laboratory.

1. The listing below will be added to the next published AAMA Certified Products Directory.

SPECIFICATION		RECORD OF PRODUCT TESTED			LABEL ORDER NO.
AIA A/NWMA 101/L.S. 2-97 H-155-38-92					
COMP/ NY AND PLANT LOCATION	CODE NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED		By Request
MI Windows & Doors, Inc. (Oldemar, FL) MI Windows & Doors, Inc. (Smyrna, TN)	MTL-8 MTL-9	185/3185 SH (Fin) (AL)(CO)(OG) (ASTM)	FRAME 30' x 52'	SASH 2'10" x 27'	

2. This Certification will expire May 14, 2008 and requires validation until then by continued listing in the current AAMA Certified Products Directory.

3. Product Tested and Reported by: Architectural Testing, Inc.

Report No.: 01-50380.02

Date of Report: June 14, 2004

NOTE: PLEASE REVIEW,
AND ADVISE ALL IMMEDIATELY
IF DATA AS SHOWN, NEEDS
CORRECTION.

Date: Aug 1, 2005

CC: AAMA
JGS/dl
ACP-04 (Rev. 5/03)

Validated for Certification:

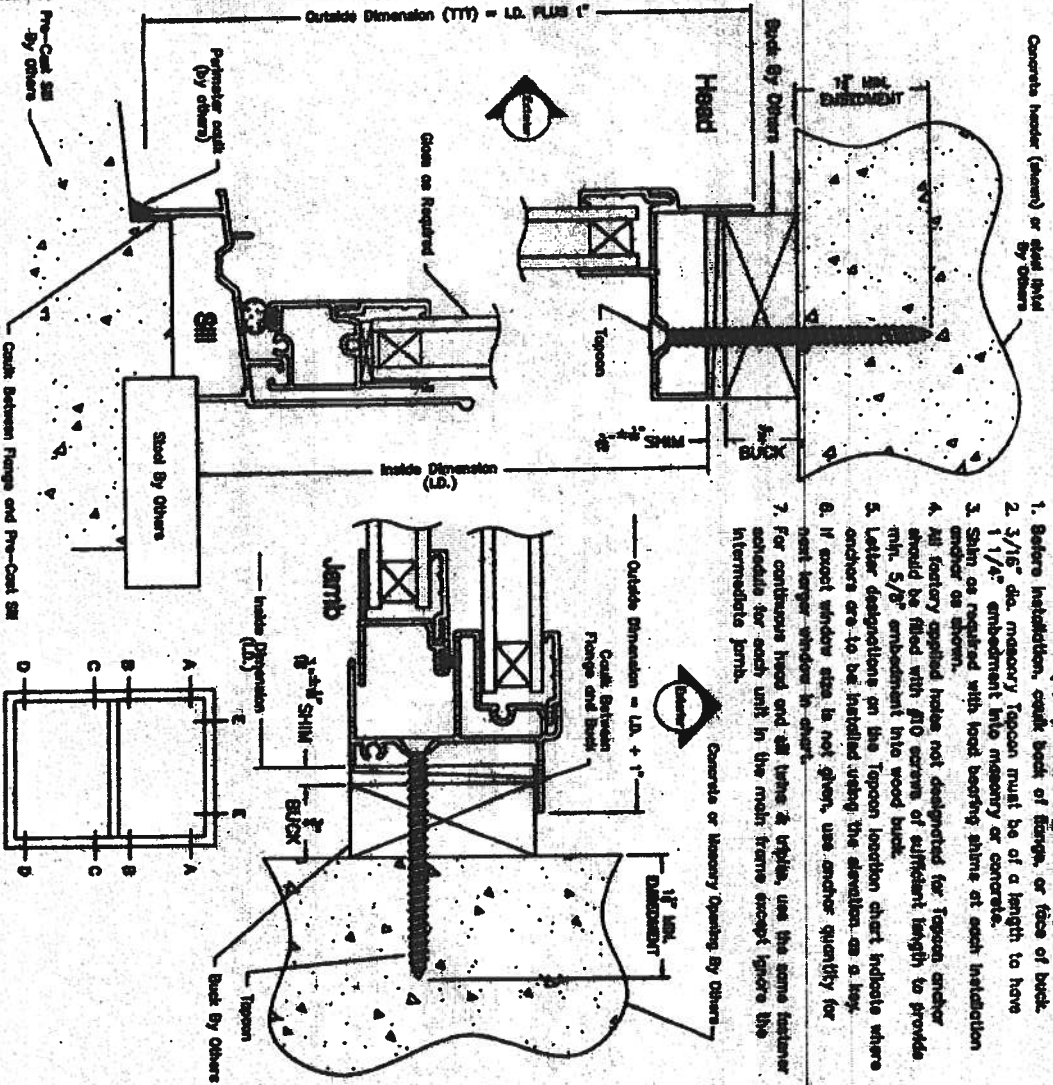
John B. Hill
Associated Laboratories, Inc.

Authorized for Certification:

Dean Lewis
American Architectural Manufacturers Association

ONE BY (3/4) BUCKS (SHOWN)

1. Before installation, check back of flange, or face of buck.
2. 3/16" dia. masonry Topcon must be of a length to have 1 1/4" embedment into masonry or concrete.
3. Shim as required with load bearing shims at each installation anchor as shown.
4. All factory applied holes not designated for Topcon anchor should be filled with #10 screws of sufficient length to provide min. 5/8" embedment into wood buck.
5. Letter designations on the Topcon location chart indicate where anchors are to be installed using the elevation, as a key.
6. If exact window size is not given, use anchor quantity for next larger window in chart.
7. For continuous head and sill types & types, use the same fastener schedule for each unit in the main frame except ignore the intermediate joints.



TWO BY (1 1/2) BUCKS

TWO BY" bucks are engineered and fastened to the masonry opening BY OTHERS.

Follow the same instructions and fastener requirements for "one by" bucks except use #10 screws of sufficient length for 1 1/4" minimum embedment into buck.

* TOPCON LOCATION CHART

ONE BY SILL	WINDOW ID SIZE	FASTENER LOCATIONS			
		OP TO CHGS	OPR. TO CHGS	OPR.1 TO OPR.2	OPR.2 TO OPR.3
12	12 1/2 x 25	A	B	C	D
14	14 1/2 x 25	A	B	C	D
16	16 1/2 x 25	A	B	C	D
18	18 1/2 x 25	A	B	C	D
20	20 1/2 x 25	A	B	C	D
22	22 1/2 x 25	A	B	C	D
24	24 1/2 x 25	A	B	C	D
26	26 1/2 x 25	A	B	C	D
28	28 1/2 x 25	A	B	C	D
30	30 1/2 x 25	A	B	C	D
32	32 1/2 x 25	A	B	C	D
34	34 1/2 x 25	A	B	C	D
36	36 1/2 x 25	A	B	C	D
38	38 1/2 x 25	A	B	C	D
40	40 1/2 x 25	A	B	C	D
42	42 1/2 x 25	A	B	C	D
44	44 1/2 x 25	A	B	C	D
46	46 1/2 x 25	A	B	C	D
48	48 1/2 x 25	A	B	C	D
50	50 1/2 x 25	A	B	C	D
52	52 1/2 x 25	A	B	C	D
54	54 1/2 x 25	A	B	C	D
56	56 1/2 x 25	A	B	C	D
58	58 1/2 x 25	A	B	C	D
60	60 1/2 x 25	A	B	C	D
62	62 1/2 x 25	A	B	C	D
64	64 1/2 x 25	A	B	C	D
66	66 1/2 x 25	A	B	C	D
68	68 1/2 x 25	A	B	C	D
70	70 1/2 x 25	A	B	C	D
72	72 1/2 x 25	A	B	C	D
74	74 1/2 x 25	A	B	C	D
76	76 1/2 x 25	A	B	C	D
78	78 1/2 x 25	A	B	C	D
80	80 1/2 x 25	A	B	C	D
82	82 1/2 x 25	A	B	C	D
84	84 1/2 x 25	A	B	C	D
86	86 1/2 x 25	A	B	C	D
88	88 1/2 x 25	A	B	C	D
90	90 1/2 x 25	A	B	C	D
92	92 1/2 x 25	A	B	C	D
94	94 1/2 x 25	A	B	C	D
96	96 1/2 x 25	A	B	C	D
98	98 1/2 x 25	A	B	C	D
100	100 1/2 x 25	A	B	C	D

MI HOME PRODUCTS

GRATZ, PA

1/2" x 1/2" SILENT HINGE FRAME
INSTALLATION DETAILS & FASTENER SCHEDULE

MI HOME PRODUCTS

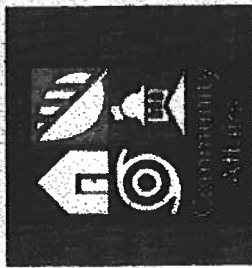
GRATZ, PA

09/15/04

* "TOPCON" TYPE WANDERED MASONRY SCREENS INCLUDE TOPCON, RAIN, & SHIPSON

A	REPORTED ALL PARTICIPATION ANCHOR EVENTS	1/10/06	00
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A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL	CM	CN	CO	CP	CQ	CR	CS	CT	CU	CV	CW	CX	CY	CZ	DA	DB	DC	DD	DE	DF	DG	DH	DI	DJ	DK	DL	DM	DN	DO	DP	DQ	DR	DS	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY	EZ	FA	FB	FC	FD	FE	FF	FG	FH	FI	FJ
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FL #

Application Type

Code Version

Application Status

Comments

Archived

FL1956-R1

Revision

2004

Approved



Product Manufacturer

Address/Phone/Email

TAMKO Building Products, Inc.

PO Box 1404

Joplin, MO 64802

(800) 641-4691 ext 2394

fred_oconnor@tamko.com

Authorized Signature

Frederick O'Connor
fred_oconnor@tamko.com

Technical Representative

Address/Phone/Email

Frederick J. O'Connor

PO Box 1404

Joplin, MO 64802

(800) 641-4691

fred_oconnor@tamko.com

Quality Assurance Representative

Address/Phone/Email

Category

Subcategory

Roofing

Asphalt Shingles

Compliance Method

Certification Mark or Listing

Certification Agency

Underwriters Laboratories Inc.

Referenced Standard and Year (of Standard)

Standard

ASTM D 3462

Year

2001

Equivalence of Product Standards Certified By

Product Approval Method

Method 1 Option A

Date Submitted

06/09/2005

Date Validated

06/20/2005

Date Pending FBC Approval

06/25/2005

Date Approved

06/29/2005

Summary of Products

FL #	Model, Number or Name	Description
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slopes of 2:12 or greater. Not approved for use in HVHZ.

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Product Approval Accepts:





**Underwriters
Laboratories Inc..**

Northbrook (Illinois)
333 Pingston Rd
Northbrook, IL 60062-2096 USA
www.ul.com
Tel: 1 847 277 5600

June 17, 2005

Tamko Roofing Products
Ms. Kerri Eden
P.O. Box 1404
220 W. 4th Street
Joplin, MO 64802-1404

Our Reference: R2919

This is to confirm that "Elite Glass-Seal AR", "Heritage 30 AR", "Heritage 50 AR", "Glass-Seal AR" manufactured at Tuscaloosa, AL and "Elite Glass-Seal AR", "Heritage 30 AR", "Heritage XL AR", "Heritage 50 AR" manufactured at Frederick, MD and "Heritage 30 AR", "Heritage XL AR", and "Heritage 50 AR" manufactured in Dallas, TX are UL Listed asphalt glass mat shingles and have been evaluated in accordance with ANSI/UL 790, Class A (ASTM E108), ASTM D3462, ASTM D3161 or UL 997 modified to 110 mph when secured with four nails.

Let me know if you have any further questions.

Very truly yours,

Ajayesh Patel (Ext. 42522)
Engineer Project
Fire Protection Division

Reviewed by,

Randall K. Laymon (Ext. 42687)
Engineer Sr Staff
Fire Protection Division



Application Instructions for • HERITAGE® VINTAGE™ AR – Phillipsburg, KS LAMINATED ASPHALT SHINGLES

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

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

IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

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

1. ROOF DECK

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

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

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

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

TAMKO does not recommend re-roofing over existing roof.

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.

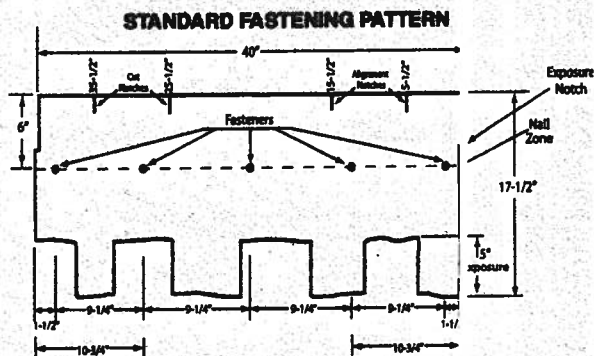
3. FASTENERS

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, this will result in the termination of TAMKO's liabilities under the limited warranty. TAMKO will not be responsible for damage to shingles caused by winds in excess of the applicable miles per hour as stated in the limited warranty. See limited warranty for details.

FASTENING PATTERNS: Fasteners must be placed 6 in. from the top edge of the shingle located horizontally as follows

1) **Standard Fastening Pattern.** (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1-1/2 in. back from each end, one 10-3/4 in. back from each end and one 20 in. from one end of the shingle for a total of 5 fasteners. (See standard fastening pattern illustrated below).



2) **Mansard or Steep Slope Fastening Pattern.** (For use on decks with slopes greater than 21 in. per foot.) Use standard nailing instructions with four additional nails placed 6 in. from the butt edge of the shingle making certain nails are covered by the next (successive) course of shingles.

(Continued)

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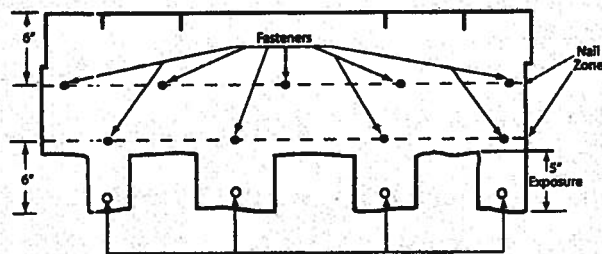


(CONTINUED from Pg. 1)

• HERITAGE® VINTAGE™ AR – Phillipsburg KS LAMINATED ASPHALT SHINGLES

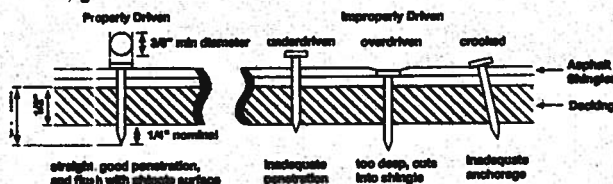
Each shingle tab must be sealed underneath with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a \$.25 piece and applied to shingles with a 5 in. exposure, use 9 fasteners per shingle.

MANSARD FASTENING PATTERN



Apply under each tab 1" diameter asphalt adhesive cement.

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. into the roof deck. Where the deck is less than 3/4 in. thick, the nails should be long enough to penetrate completely through plywood decking and extend at least 1/8 in. through the roof deck. Drive nail head flush with the shingle surface.



4. UNDERLAYMENT

UNDERLAYMENT: An underlayment consisting of asphalt saturated felt must be applied over the entire deck before the installation of TAMKO shingles. Failure to add underlayment can cause premature failure of the shingles and leaks which are not covered by TAMKO's limited warranty. Apply the felt when the deck is dry. On roof decks 4 in. per foot and greater apply the felt parallel to the eaves lapping each course of the felt over the lower course at least 2 in. Where ends join, lap the felt 4 in. If left exposed, the underlayment felt may be adversely affected by moisture and weathering. Laying of the underlayment and the shingle application must be done together.

Products which are acceptable for use as underlayment are:

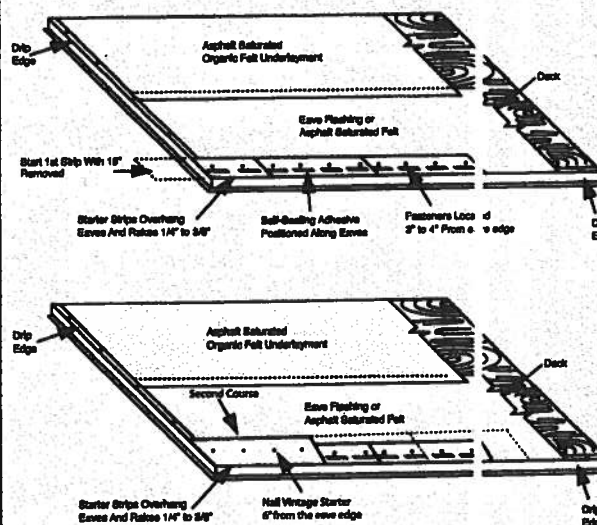
- TAMKO No. 15 Asphalt Saturated Organic Felt
- A non-perforated asphalt saturated organic felt which meets ASTM: D226, Type I or ASTM D4869, Type I
- Any TAMKO non-perforated asphalt saturated organic felt
- TAMKO TW Metal and Tile Underlayment, TW Underlayment and Moisture Guard Plus® (additional ventilation maybe required. Contact TAMKO's technical services department for more information)

In areas where ice builds up along the eaves or a back-up of water from frozen or clogged gutters is a potential problem, TAMKO's Moisture Guard Plus® waterproofing underlayment (or any specialty eaves flashing product) may be applied to eaves, rakes, ridges, valleys, around chimneys, skylights or dormers to help prevent water damage. Contact TAMKO's Technical Services Department for more information. TAMKO does not recommend the use of any substitute products as shingle underlayment.

5. APPLICATION INSTRUCTIONS

STARTER COURSE: Two starter course layers must be applied prior to application of Heritage Vintage AR Shingles.

The first starter course may consist of TAMKO Starter, three tab self-sealing type shingles or a 9 inch wide strip of mineral surface roll roofing. If three tab self-sealing shingles are used, remove the exposed tab portion and install with the factory applied adhesive adjacent to the eaves. If using three tab self-sealing shingles or shingle starter, remove 18 in. from first shingle to offset the end joints of the Vintage Starter. Attach the first starter course with approved fasteners along a line parallel to and 3 in. to 4 in. above the eave edge. The starter course should overhang both the eave and rake edge 1/4 in. to 3/8 in. Over the first starter course, install Heritage Vintage Starter AR and begin at the left rake edge with a full size shingle and continue across the roof nailing the Heritage Vintage Starter AR along a line parallel to and 6 in. from the eave edge.



Note: Do not allow Vintage Starter AR joints to be visible between shingle tabs. Cutting of the starter may be required.

HERITAGE VINTAGE STARTER AR
12 1/2" x 36" 20 PIECES PER BUNDLE
60 LINEAL FT. PER BUNDLE

(Continued)

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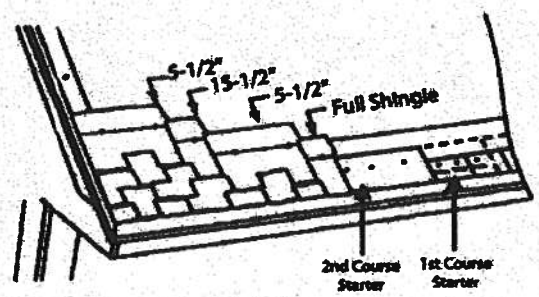
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(CONTINUED from Pg. 2)

HERITAGE® VINTAGE™ AR – Phillipsburg, KS
LAMINATED ASPHALT SHINGLES

SHINGLE APPLICATION: Start the first course at the left rake edge with a full size shingle and overhang the rake edge 1/4 in. to 3/8 in.. To begin the second course, align the right side of the shingle with the 5-1/2 in. alignment notch on the first course shingle making sure to align the exposure notch. (See shingle illustration on next page) Cut the appropriate amount from the rake edge so the overhang is 1/4" to 3/8". For the third course, align the shingle with the 15-1/2 in. alignment notch at the top of the second course shingle, again being sure to align the exposure notch. Cut the appropriate amount from the rake edge. To begin the fourth course, align the shingle with the 5-1/2 in. alignment notch from the third course shingle while aligning the exposure notch. Cut the appropriate amount from the rake edge. Continue up the rake in as many rows as necessary using the same formula as outlined above. Cut pieces may be used to complete courses at the right side. As you work across the roof, install full size shingles taking care to align the exposure notches. Shingle joints should be no closer than 4 in.



6. LOW SLOPE APPLICATION

On pitches 2 in. per foot to 4 in. per foot cover the deck with two layers of underlayment. Begin by applying the underlayment in a 19 in. wide strip along the eaves and overhanging the drip edge by 1/4 to 3/4 in. Place a full 36 in. wide sheet over the 19 in. wide starter piece, completely overlapping it. All succeeding courses will be positioned to overlap the preceding course by 19 in. If winter temperatures average 25°F or less, thoroughly cement the laps of the entire underlayment to each other with plastic cement from eaves and rakes to a point of a least 24 in. inside the interior wall line of the building. As an alternative, TAMKO's Moisture Guard Plus self-adhering waterproofing underlayment may be used in lieu of the cemented felts.

7. VALLEY APPLICATION

TAMKO recommends an open valley construction with Heritage Vintage AR shingles.

To begin, center a sheet of TAMKO Moisture Guard Plus, TW Underlayment or TW Metal & Tile Underlayment in the valley.

After the underlayment has been secured, install the recommended corrosion resistant metal (26 gauge galvanized metal or an equivalent) in the valley. Secure the valley metal to the roof deck. Overlaps should be 12" and cemented.

Following valley metal application; a 9" to 12" wide strip of TAMKO Moisture Guard Plus, TW Underlayment or TW Metal & Tile Underlayment should be applied along the edges of the metal valley flashing (max. 6" onto metal valley flashing) and on top of the valley underlayment. The valley will be completed with shingle application.

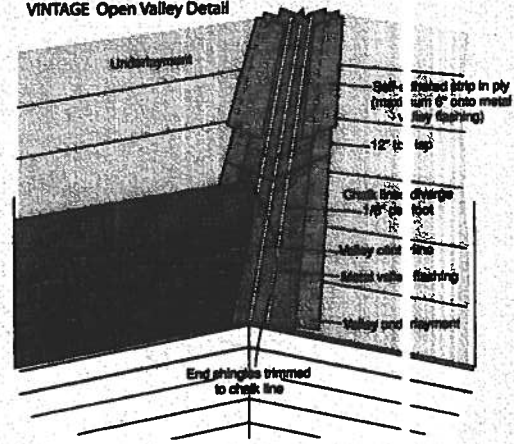
SHINGLE APPLICATION INSTRUCTIONS (OPEN VALLEY)

- Snap two chalk lines, one on each side of the valley centerline over the full length of the valley flashing. Locate the upper ends of the chalk lines 3" to either side of the valley centerline.
- The lower end should diverge from each other by 1/8" per foot. Thus, for an 8' long valley, the chalk lines should be 7" either side of the centerline at the eaves and for a 16' valley 8".

As shingles are applied toward the valley, trim the last shingle in each course to fit on the chalk line. Never use a shingle trimmed to less than 12" in length to finish a course running into a valley. If necessary, trim the adjacent shingle in the course to allow a longer portion to be used.

- Clip 1" from the upper corner of each shingle on a 45° angle to direct water into the valley and prevent it from penetrating between the courses.
- Form a tight seal by cementing the shingle to the valley lining with a 3" width of asphalt plastic cement (conforming to ASTM D 4586).

VINTAGE Open Valley Detail



- **CAUTION:**
Adhesive must be applied in smooth, thin, even layer.
- Excessive use of adhesive will cause blistering to this product.
- TAMKO assumes no responsibility for blistering.

(Continued)

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(CONTINUED from Pg. 3)

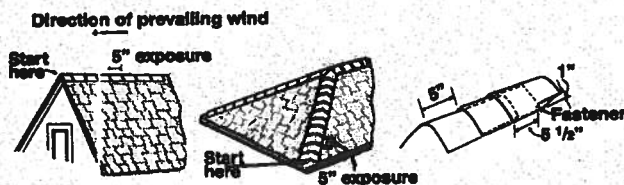
• **HERITAGE® VINTAGE™ AR** – Phillipsburg, KS
LAMINATED ASPHALT SHINGLES

8. HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener on each side, 5-1/2 in. back from the exposed end and 1 in. up from the edge. TAMKO recommends the use of TAMKO Heritage Vintage Hip & Ridge shingle products.

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

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



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

TAMKO®, Moisture Guard Plus®, Nail Fast® and Heritage® are registered trademarks and Vintage™ is a trademark of TAMKO Building Products, Inc.

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Organization Name: General American Door - Product Manufacturer

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Result List for Organizations

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Name	City	Contact	Phone	Type	Expiry	Status
General American Door	Montgomery	James Campbell	620.659.1000	Product Manufacturer	01/01/2009	Approved
Org Code: PDM	System ID: 3365	Site Link: www.gadco.com				

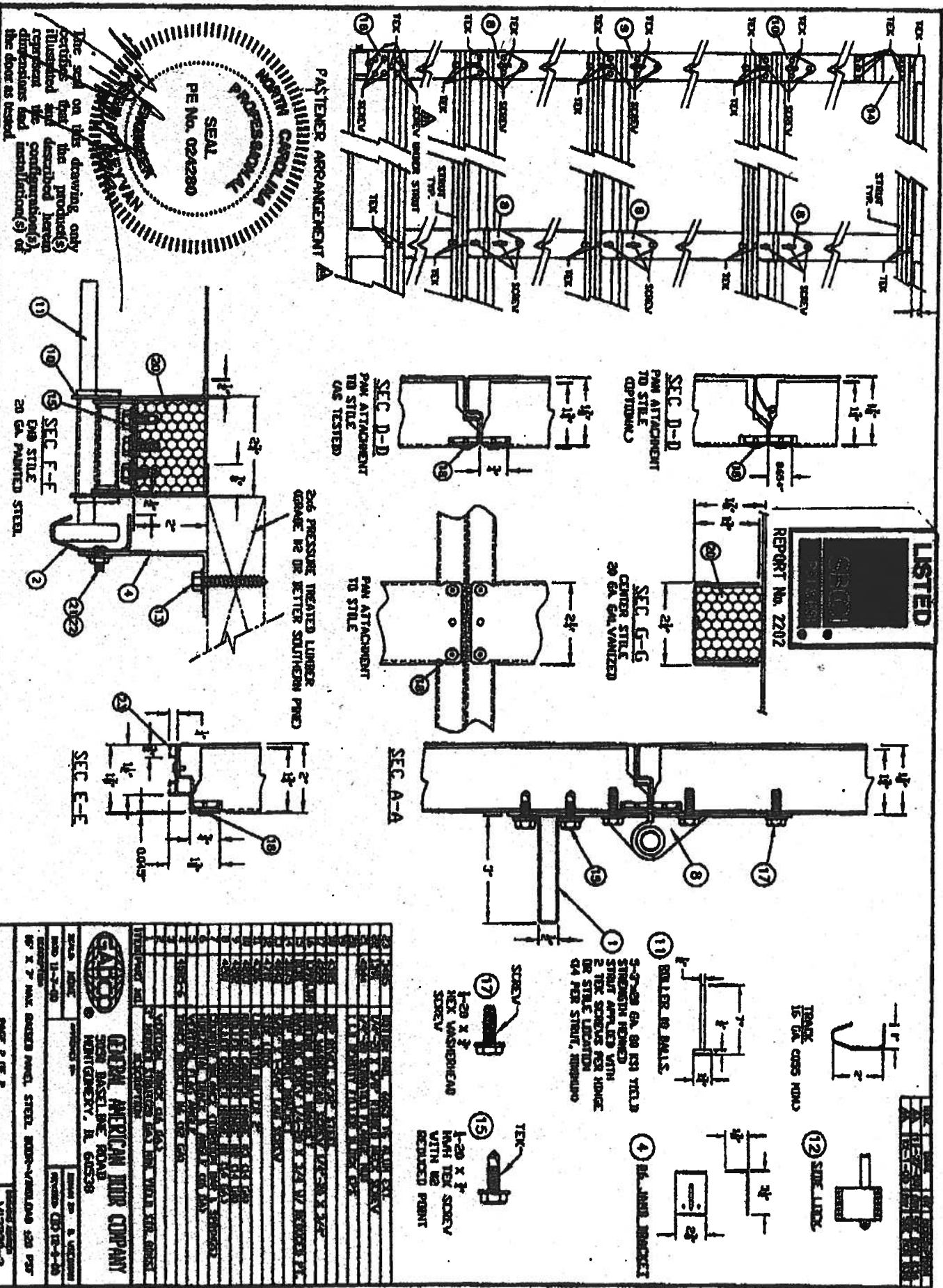
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Search Results: 1-1 of 1
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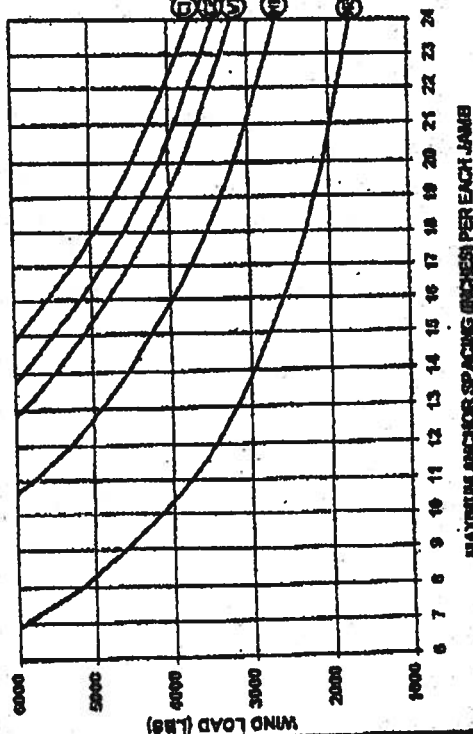
http://www.floridabuilding.org/Common/c_org_regi_SRCH.asp

6/21/2004

Page 1 of 2



WIND LOAD VS ANCHOR SPACING



MAXIMUM ANCHOR SPACING (INCHES) PER EACH JAMB

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

LOAD $\frac{FT^2}{FT^2}$

EXAMPLE

20 LBS X 16 FT WIDE X 8 FT HIGH = 3840 LBS

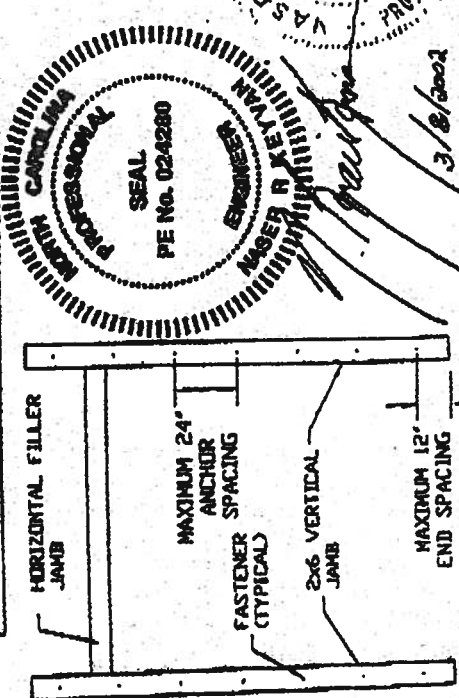
① USE 22" SPACING

② USE 21" SPACING

③ USE 19" SPACING

④ USE 16" SPACING

SEE NOTE 11 FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS



3/8/2002

13/8/2002

2X6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

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

NOTES

- 1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" POSTS.
- 2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SICC STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION SST9 10, CURRENT EDITION.
- 3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.
- 4) WOOD FRAME BUILDING STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2X6 PRESSURE TREATED SOUTHERN PINE #2 GRADE OR BETTER WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.
- 5) REINFORCED CMU OR CONCRETE 2X6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUTED AND REINFORCED CONCRETE MASONRY UNIT (CMU) WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS. ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2500 PSI GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
- 6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.
- 7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS (CMU) SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM SPACING OF 3-3/4".
- 8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2X6 WALL STUDS.
- 9) WASHERS ARE REQUIRED ON ALL FASTENERS.
- 10) THE WOOD LOAD VS ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 18' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.
- 11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS, ADD AN ADDITIONAL 2X6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.



GENERAL AMERICAN DOOR COMPANY
5608 N. WILSON ROAD
HUNTINGTON, IL 60538

WIND LOAD	ANCHOR SP.	WIND LOAD	ANCHOR SP.
18' X 8' - 39'	18' X 8' - 39'	18' X 8' - 39'	18' X 8' - 39'
RECEIVED		RECEIVED	
JAMB TO STRUCTURE ATTACHMENT		JAMB TO STRUCTURE ATTACHMENT	
FOR WIND LOADED GARAGE DOORS		FOR WIND LOADED GARAGE DOORS	
11/05/00		11/05/00	

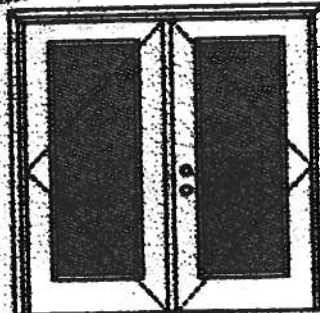
XX

Glazed Opening Unit

03P WL J08762 02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



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

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

Design Pressure
+40.5/-40.5

Limited water unless special threshold design is used.

Large Glazable 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-sections. State or local building codes specify the edition required.

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 GLA IS:



100 Series



120, 125 Series



130 Series



200 Series



222 Series

1/2 GL/SS:



100 S door*



100, 100 Series*



120 Series*



200 Series*



12 GL, 20 GL, 24 GL Series*



107 Series*



105 Series



304 Series

*This glass may also be used in the following door styles: 6-panel; 6-panel with screen; Eyebrow 6-panel; Eyebrow 6-panel with screen.

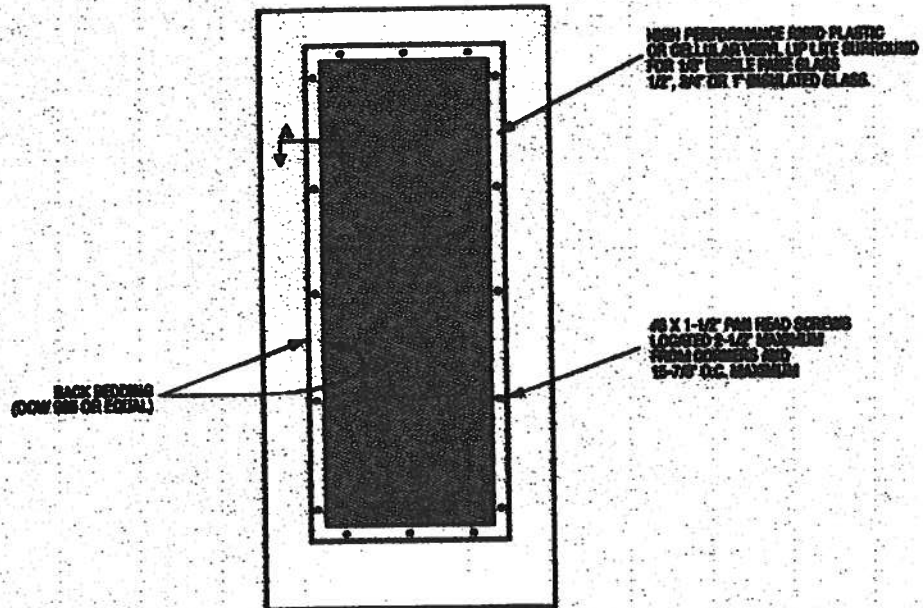
Johnson
Window Systems

March 20, 2002
Current version of product literature, codes, specifications, design and product and subject to change without notice.

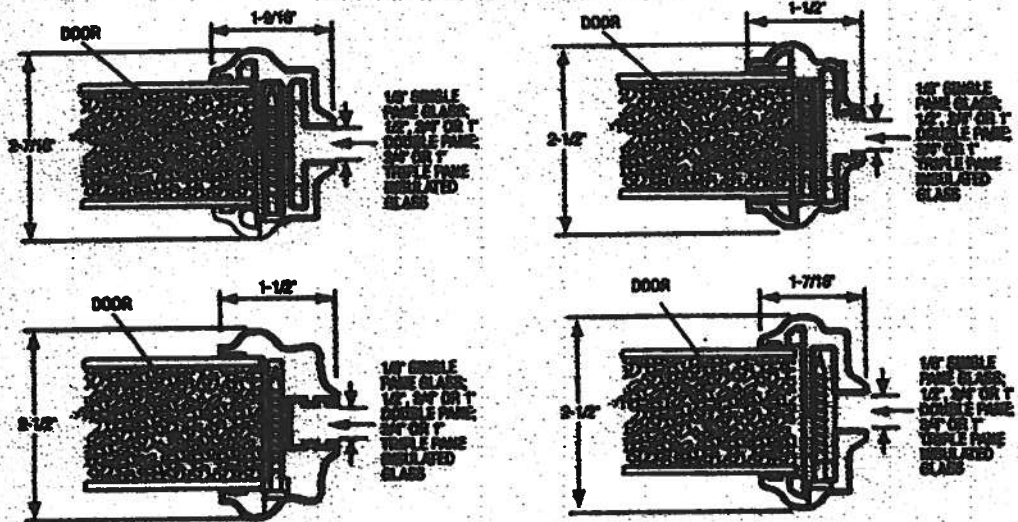


MAS-WL MASONITE

GLASS INSERT IN DOOR OR SIDELITE PANEL

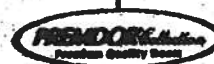


SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND



March 25, 1988
Current
design and y

program of product improvement unless specification
state dated subject to change without notice.



Exclusively from
Masonite
Masonite International Corporation

XX

Glazed Outswing Unit

COP-01-100-02

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

40 Series



420 Series



420 Series

FULL GLASS:

140 Series



174, 120, 122 Series



182 Series



140 Series



200 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 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 sides 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. Balthazor

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

Johnson
Door Systems

March 20, 2002
Our contract is a program of product improvement rather than specifications, design and product to change without notice.

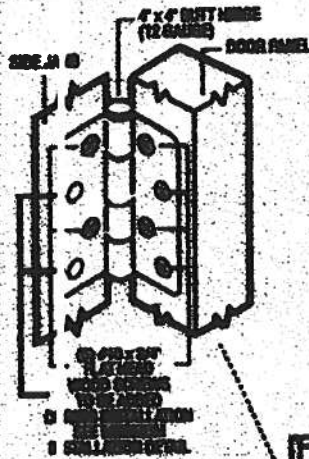


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Masonite International Corporation

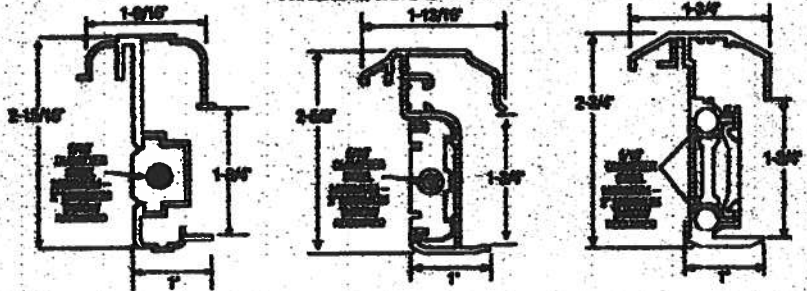
XX
Unit

**OUTSWING UNITS WITH
DOUBLE DOOR**

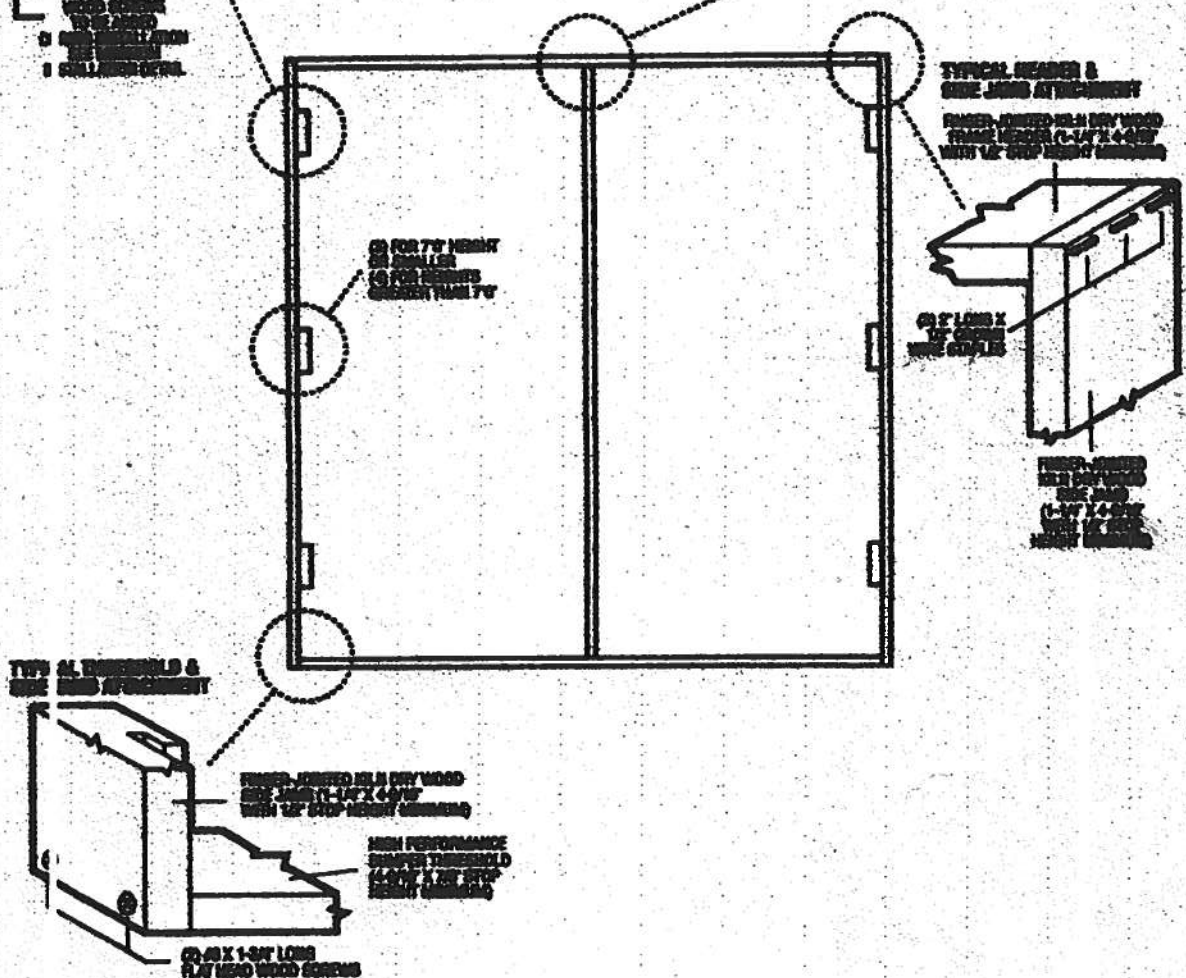
TYPICAL WIRE ATTACHMENT



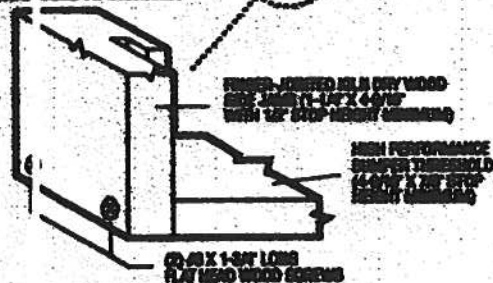
TYPICAL ASTRAGAL PROFILES



ALUMINUM EXTRUDED ASTRAGAL (1/8\"/>



**TYPICAL THRESHOLD &
SIDE JAMB ATTACHMENT**



March 29, 2002
Our units are made of quality materials and are built to last. We are committed to providing the best quality units.



Exclusively from

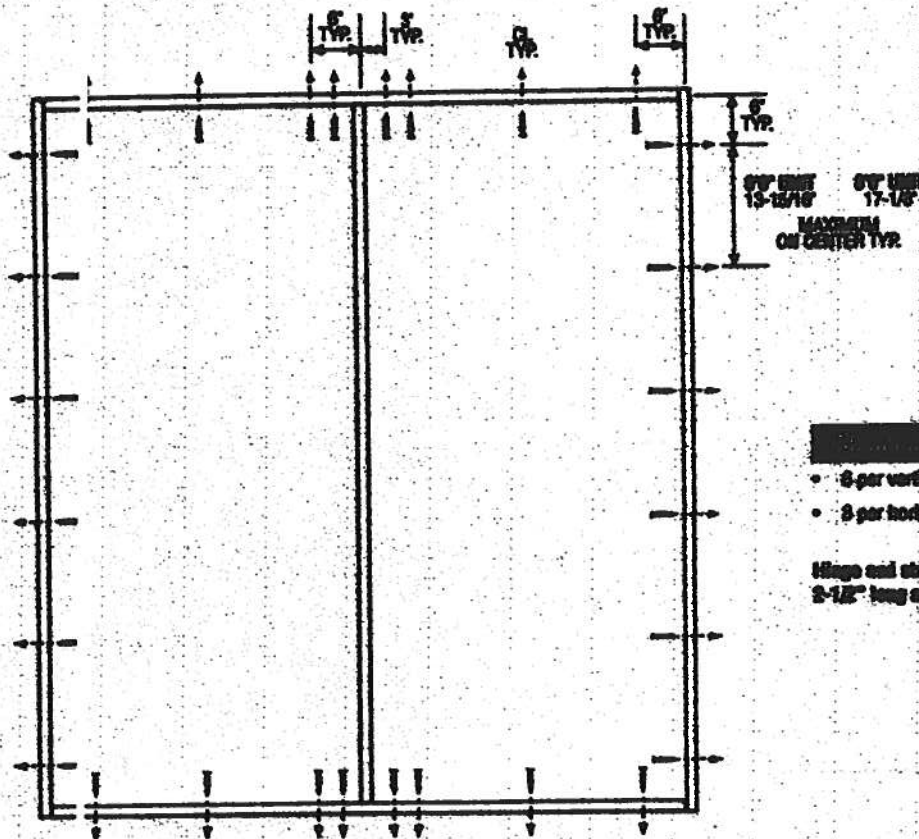
Masonite

Masonite International Corporation

XX
Unit

END VIEW - MASONITE

DOUBLE DOOR



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

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

Labeling Hardware:

- Con. planee requires that GRADE 2 or better (ANSI/ASMA A158.2) cylindrical and deadlock hardware be installed.

Notes:

1. And or calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners and end for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.2A of ANSI/APA NDS for southern pine lumber with a side member thickness of 1-1/2" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade County app ovals 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 entire design and engineering department is responsible for the quality of the product. We are committed to providing the highest quality product to our customers.

PREMIER
Premium Quality Doors

Exclusively from
Masonite
Masonite International Corporation

Residential System Sizing Calculation

Summary

Spec House

Project Title:
Greg Talley - Lot 16 Cannon Creek Place

Code Only
Professional Version
Climate: North

Lake City, FL 32025-

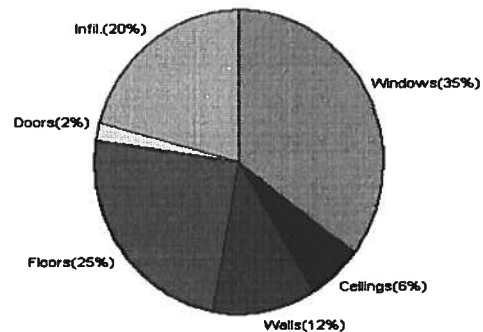
4/19/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	34448 Btuh	Total cooling load calculation	32280 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	119.0 41000	Sensible (SHR = 0.75)	120.3 30750
Heat Pump + Auxiliary(0.0kW)	119.0 41000	Latent	152.3 10250
		Total (Electric Heat Pump)	127.0 41000

WINTER CALCULATIONS

Winter Heating Load (for 1621 sqft)

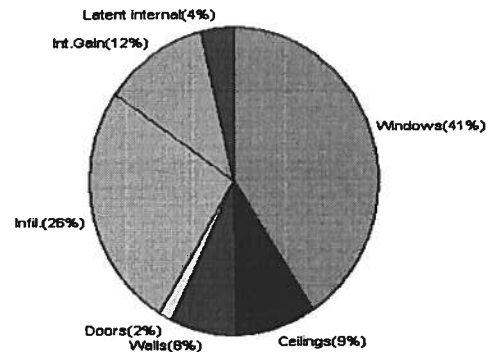
Load component		Load	
Window total	265 sqft	12201	Btuh
Wall total	1237 sqft	4063	Btuh
Door total	50 sqft	648	Btuh
Ceiling total	1750 sqft	2062	Btuh
Floor total	194 sqft	8470	Btuh
Infiltration	173 cfm	7004	Btuh
Duct loss		0	Btuh
Subtotal		34448	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		34448	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1621 sqft)

Load component		Load	
Window total	265 sqft	13113	Btuh
Wall total	1237 sqft	2454	Btuh
Door total	50 sqft	490	Btuh
Ceiling total	1750 sqft	2898	Btuh
Floor total		0	Btuh
Infiltration	151 cfm	2816	Btuh
Internal gain		3780	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		25551	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		5529	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		6729	Btuh
TOTAL HEAT GAIN		32280	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE:

Justin M. ...
4-19-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Greg Talley - Lot 16 Cannon Creek Place

Professional Version

Climate: North

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

4/19/2007

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	16.0	47.0	752 Btuh
2	1, Clear, Metal, 1.27	W	40.0	47.0	1880 Btuh
3	1, Clear, Metal, 1.27	SW	10.0	47.0	470 Btuh
4	1, Clear, Metal, 1.27	W	30.0	47.0	1410 Btuh
5	1, Clear, Metal, 1.27	NW	10.0	47.0	470 Btuh
6	1, Clear, Metal, 1.27	W	10.0	47.0	470 Btuh
7	1, Clear, Metal, 1.27	W	30.0	47.0	1410 Btuh
8	1, Clear, Metal, 1.27	N	30.0	47.0	1410 Btuh
9	1, Clear, Metal, 1.27	N	6.0	47.0	282 Btuh
10	1, Clear, Metal, 1.27	E	15.0	47.0	705 Btuh
11	1, Clear, Metal, 1.27	E	15.0	47.0	705 Btuh
12	1, Clear, Metal, 1.27	E	6.7	47.0	315 Btuh
13	1, Clear, Metal, 1.27	S	30.0	47.0	1410 Btuh
14	2, Clear, Metal, 0.87	S	16.0	32.2	515 Btuh
Window Total			265(sqft)		12201 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1017	3.3	3341 Btuh
2	Frame - Wood - Adj(0.09)	13.0	220	3.3	722 Btuh
Wall Total			1237		4063 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		10	12.9	130 Btuh
2	Insulated - Adjacent		20	12.9	259 Btuh
3	Insulated - Exterior		20	12.9	259 Btuh
Door Total			50		648 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1750	1.2	2062 Btuh
Ceiling Total			1750		2062 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	194.0 ft(p)	43.7	8470 Btuh
Floor Total			194		8470 Btuh
Zone Envelope Subtotal:					27444 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.80	12968	172.9	7004 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				34448 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Greg Talley - Lot 16 Cannon Creek Place

Professional Version

Climate: North

4/19/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	34448 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	34448 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

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

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Greg Talley - Lot 16 Cannon Creek Place

Professional Version

Climate: North

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

4/19/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	16.0	47.0	752 Btuh
2	1, Clear, Metal, 1.27	W	40.0	47.0	1880 Btuh
3	1, Clear, Metal, 1.27	SW	10.0	47.0	470 Btuh
4	1, Clear, Metal, 1.27	W	30.0	47.0	1410 Btuh
5	1, Clear, Metal, 1.27	NW	10.0	47.0	470 Btuh
6	1, Clear, Metal, 1.27	W	10.0	47.0	470 Btuh
7	1, Clear, Metal, 1.27	W	30.0	47.0	1410 Btuh
8	1, Clear, Metal, 1.27	N	30.0	47.0	1410 Btuh
9	1, Clear, Metal, 1.27	N	6.0	47.0	282 Btuh
10	1, Clear, Metal, 1.27	E	15.0	47.0	705 Btuh
11	1, Clear, Metal, 1.27	E	15.0	47.0	705 Btuh
12	1, Clear, Metal, 1.27	E	6.7	47.0	315 Btuh
13	1, Clear, Metal, 1.27	S	30.0	47.0	1410 Btuh
14	2, Clear, Metal, 0.87	S	16.0	32.2	515 Btuh
Window Total			265(sqft)		12201 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1017	3.3	3341 Btuh
2	Frame - Wood - Adj(0.09)	13.0	220	3.3	722 Btuh
Wall Total			1237		4063 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		10	12.9	130 Btuh
2	Insulated - Adjacent		20	12.9	259 Btuh
3	Insulated - Exterior		20	12.9	259 Btuh
Door Total			50		648Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1750	1.2	2062 Btuh
Ceiling Total			1750		2062Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	194.0 ft(p)	43.7	8470 Btuh
Floor Total			194		8470 Btuh
Zone Envelope Subtotal:					27444 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.80	12968	172.9	3770 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				31214 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Greg Talley - Lot 16 Cannon Creek Place

Professional Version

Climate: North

4/19/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	34448 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	34448 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

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

(HTM - ManualJ Heat Transfer Multiplier)

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Greg Talley - Lot 16 Cannon Creek Place

Professional Version

Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 17.0 F

4/19/2007

Component Loads for Whole House

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	16.0	0.0	16.0	37	94	1505	Btuh
2	1, Clear, 1.27, None,N,N	W	10.8	8ft.	40.0	40.0	0.0	37	94	1498	Btuh
3	1, Clear, 1.27, None,N,N	SW	6.5ft	8ft.	10.0	10.0	0.0	37	75	375	Btuh
4	1, Clear, 1.27, None,N,N	W	6.83	8ft.	30.0	16.0	14.0	37	94	1914	Btuh
5	1, Clear, 1.27, None,N,N	NW	6.5ft	8ft.	10.0	0.0	10.0	37	72	722	Btuh
6	1, Clear, 1.27, None,N,N	W	10.8	8ft.	10.0	10.0	0.0	37	94	375	Btuh
7	1, Clear, 1.27, None,N,N	W	10.8	8ft.	30.0	30.0	0.0	37	94	1124	Btuh
8	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	30.0	0.0	30.0	37	37	1124	Btuh
9	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	6.0	0.0	6.0	37	37	225	Btuh
10	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	15.0	0.0	15.0	37	94	1411	Btuh
11	1, Clear, 1.27, None,N,N	E	6.5ft	8ft.	15.0	7.2	7.8	37	94	1004	Btuh
12	1, Clear, 1.27, None,N,N	E	10.5f	8ft.	6.7	6.7	0.0	37	94	251	Btuh
13	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	30.0	30.0	0.0	37	43	1124	Btuh
14	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	16.0	16.0	0.0	29	34	463	Btuh
	Window Total				265 (sqft)					13113 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)		HTM		Load		
1	Frame - Wood - Ext		13.0/0.09		1017.3		2.1		2122 Btuh		
2	Frame - Wood - Adj		13.0/0.09		220.0		1.5		332 Btuh		
	Wall Total				1237 (sqft)					2454 Btuh	
Doors	Type				Area (sqft)		HTM		Load		
1	Insulated - Exterior				10.0		9.8		98 Btuh		
2	Insulated - Adjacent				20.0		9.8		196 Btuh		
3	Insulated - Exterior				20.0		9.8		196 Btuh		
	Door Total				50 (sqft)					490 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle		30.0		1750.0		1.7		2898 Btuh		
	Ceiling Total				1750 (sqft)					2898 Btuh	
Floors	Type		R-Value		Size		HTM		Load		
1	Slab On Grade		0.0		194 (ft(p))		0.0		0 Btuh		
	Floor Total				194.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:									18955 Btuh	
Infiltration	Type		ACH		Volume(cuft)		CFM=		Load		
	SensibleNatural		0.70		12968		151.3		2816 Btuh		
Internal gain			Occupants		Btuh/occupant		Appliance		Load		
			6		X 230 +		2400		3780 Btuh		
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									25551 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Greg Talley - Lot 16 Cannon Creek Place

Professional Version

Climate: North

4/19/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	25551 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	25551 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	25551 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	5529 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	6729 Btuh
	TOTAL GAIN	32280 Btuh

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

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

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

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

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

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

(Omt - compass orientation)



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House

Project Title:

Code Only

Greg Talley - Lot 16 Cannon Creek Place

Professional Version

Lake City, FL 32025-

Climate: North

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

4/19/2007

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	16.0	0.0	16.0	37	94	1505	Btuh
2	1, Clear, 1.27, None,N,N	W	10.8	8ft.	40.0	40.0	0.0	37	94	1498	Btuh
3	1, Clear, 1.27, None,N,N	SW	6.5ft	8ft.	10.0	10.0	0.0	37	75	375	Btuh
4	1, Clear, 1.27, None,N,N	W	6.83	8ft.	30.0	16.0	14.0	37	94	1914	Btuh
5	1, Clear, 1.27, None,N,N	NW	6.5ft	8ft.	10.0	0.0	10.0	37	72	722	Btuh
6	1, Clear, 1.27, None,N,N	W	10.8	8ft.	10.0	10.0	0.0	37	94	375	Btuh
7	1, Clear, 1.27, None,N,N	W	10.8	8ft.	30.0	30.0	0.0	37	94	1124	Btuh
8	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	30.0	0.0	30.0	37	37	1124	Btuh
9	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	6.0	0.0	6.0	37	37	225	Btuh
10	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	15.0	0.0	15.0	37	94	1411	Btuh
11	1, Clear, 1.27, None,N,N	E	6.5ft	8ft.	15.0	7.2	7.8	37	94	1004	Btuh
12	1, Clear, 1.27, None,N,N	E	10.5f	8ft.	6.7	6.7	0.0	37	94	251	Btuh
13	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	30.0	30.0	0.0	37	43	1124	Btuh
14	2, Clear, 0.87, None,N,N	S	1.5ft	8ft.	16.0	16.0	0.0	29	34	463	Btuh
	Window Total				265 (sqft)					13113 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)		HTM		Load		
1	Frame - Wood - Ext		13.0/0.09		1017.3		2.1		2122 Btuh		
2	Frame - Wood - Adj		13.0/0.09		220.0		1.5		332 Btuh		
	Wall Total				1237 (sqft)					2454 Btuh	
Doors	Type				Area (sqft)		HTM		Load		
1	Insulated - Exterior				10.0		9.8		98 Btuh		
2	Insulated - Adjacent				20.0		9.8		196 Btuh		
3	Insulated - Exterior				20.0		9.8		196 Btuh		
	Door Total				50 (sqft)					490 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle		30.0		1750.0		1.7		2898 Btuh		
	Ceiling Total				1750 (sqft)					2898 Btuh	
Floors	Type		R-Value		Size		HTM		Load		
1	Slab On Grade		0.0		194 (ft(p))		0.0		0 Btuh		
	Floor Total				194.0 (sqft)					0 Btuh	
	Zone Envelope Subtotal:								18955 Btuh		
Infiltration	Type		ACH		Volume(cuft)		CFM=		Load		
	SensibleNatural		0.70		12968		151.3		1516 Btuh		
Internal gain			Occupants		Btuh/occupant		Appliance		Load		
			6		X 230 +		2400		3780 Btuh		
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh	
	Sensible Zone Load								24251 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Greg Talley - Lot 16 Cannon Creek Place

Professional Version

Climate: North

4/19/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	25551 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	25551 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	25551 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	5529 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	6729 Btuh
	TOTAL GAIN	32280 Btuh

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

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

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

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

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

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

(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

Spec House

Project Title:

Code Only

Lake City, FL 32025-

Greg Talley - Lot 16 Cannon Creek Place

Professional Version

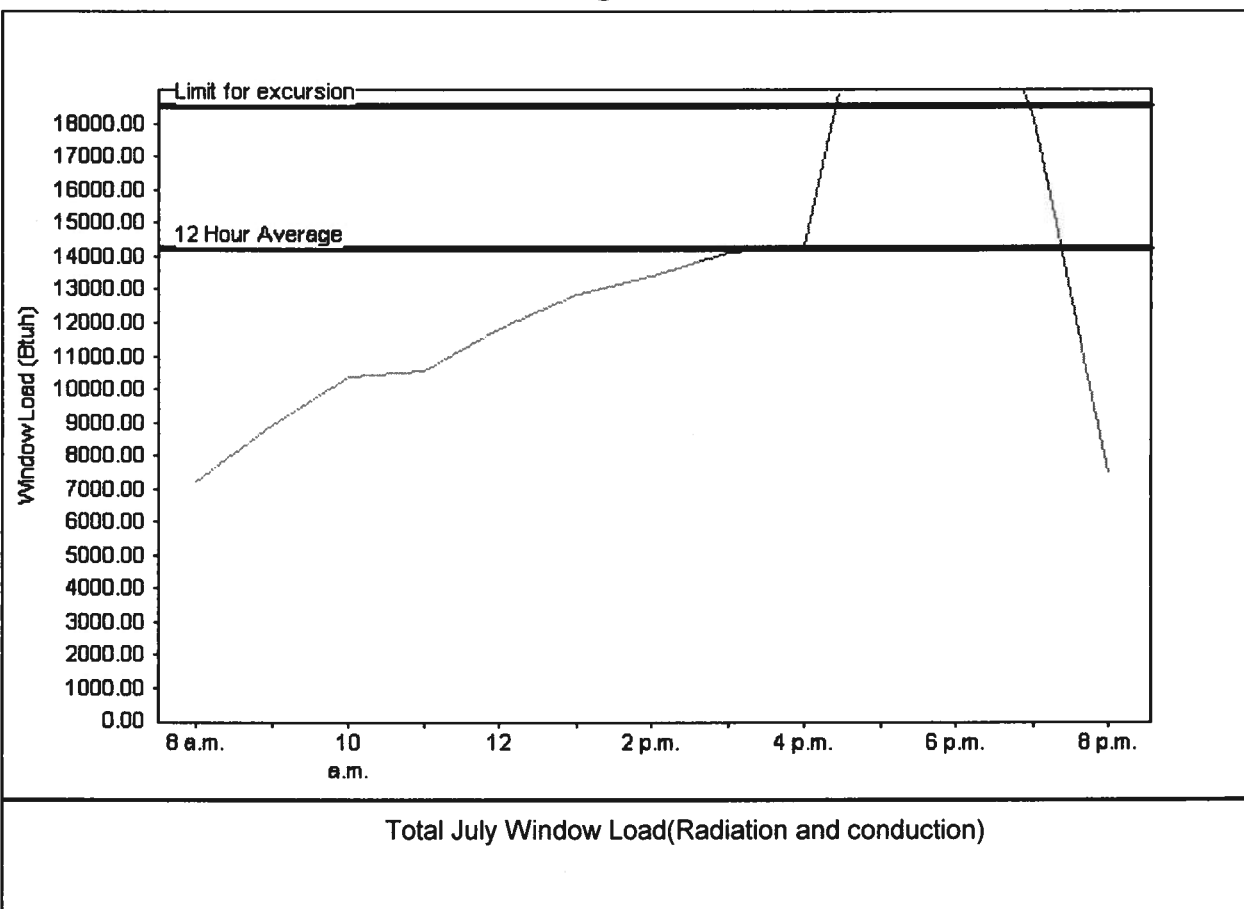
Climate: North

4/19/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	14248 Btu
Summer setpoint	75 F	Peak window load for July	25175 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	18523 Btu
Latitude	29 North	Window excursion (July)	6652 Btuh

WINDOW Average and Peak Loads



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

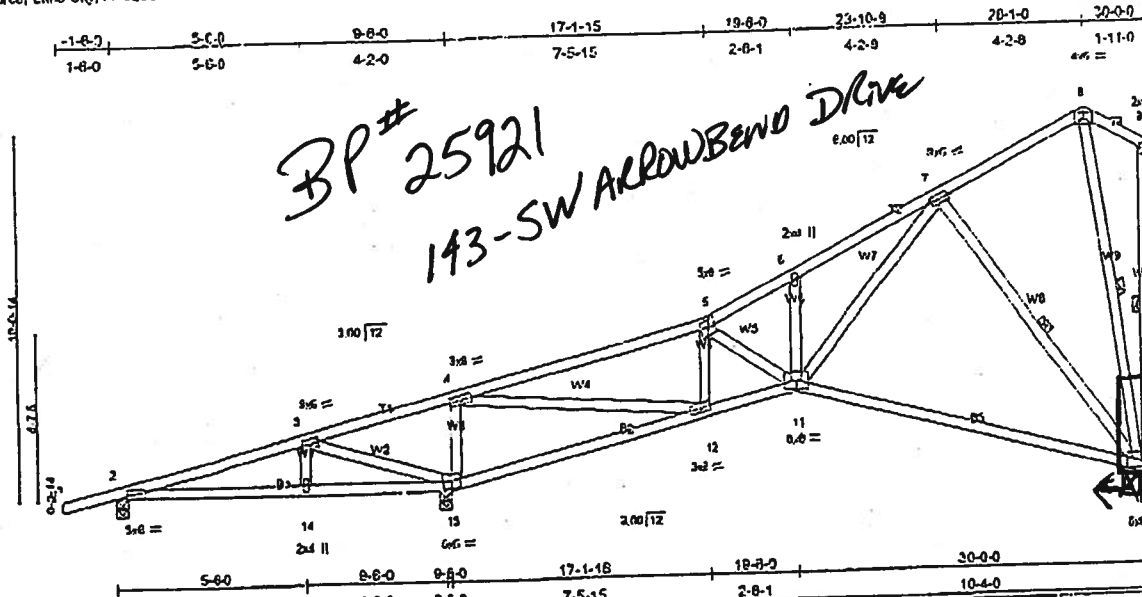
EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____



Buildings FireSource, Lake City, FL 32056



LOADING (psf)	SPACING 2'-0"	CSI	DEFL in (loc)	Udefl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.65	Vert(LL) -0.25 10-11	>940	240	MT20	25A/190
TCDL 7.0	Lumber Increase 1.25	BC 0.62	Vert(TL) -0.44 10-11	>547	180		
BCLL 10.0	Rep Stress Incr YES	WB 0.65	Horz(TL) 0.07 10	n/a	n/a		
BCDL 6.0	Code FBC2004/TP12002	(Matrix)				Weight: 180 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 5-2-1 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
 WEBS 1 Row at midpt 5-10, 8-10, 7-10

REACTIONS (lb/size) 2=206/0-4-0, 13=1568/0-4-0, 10=741/0-4-0
 Max Horiz 2=444(load case 5)
 Max Uplift 2=280(load case 3), 13=732(load case 6), 10=317(load case 6)
 Max Grav 2=206(load case 8), 13=1568(load case 1), 10=741(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/18, 2-3=-180/176, 3-4=-802/814, 4-5=-1189/238, 5-6=-1265/316, 6-7=-1238/377, 7-8=-100/28, 8-9=57/9, 9-10=86/15
 BOT CHORD 2-14=326/0, 13-14=326/0, 12-13=750/251, 11-12=-520/1188, 10-11=-244/488
 WEBS 3-14=218/128, 3-13=-657/818, 4-13=-977/508, 4-12=-705/1811, 5-12=-548/289, 5-11=-73/119, 8-11=-83/101, 7-11=-354/1017, 8-10=-111/124, 7-10=-865/350

JOINT STRESS INDEX
 2 = 0.25, 3 = 0.36, 4 = 0.78, 5 = 0.76, 6 = 0.34, 7 = 0.67, 8 = 0.26, 9 = 0.82, 10 = 0.77, 11 = 0.77, 12 = 0.78, 13 = 0.65 and 14 = 0.34

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02: 110mph (2-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) 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) All bearings are assumed to be SYP No.2 crushing capacity of 566,00 psf.
 4) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TPI 1 single 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 260 lb uplift at joint 2, 732 lb uplift at joint 13 and 317 lb uplift at joint 10.

LOAD CASE(S) Standard

Architectural Services & Engineering, Inc
 CA 788Z
 24710 SR 54 Lutz, FL 33559

Robert W. Wall PE 46021

Modification needed: BEARING MOVED AS SHOWN.

Solution : * 2x12 No.2 SYP scab one face 3'-0" long with 10d's 3" o.c. at each member.

All trusses must be in an un-deflected state. No loading or braced to no deflection. If conditions change from above notify truss manufacturer. Do not damage existing plates unless otherwise noted.

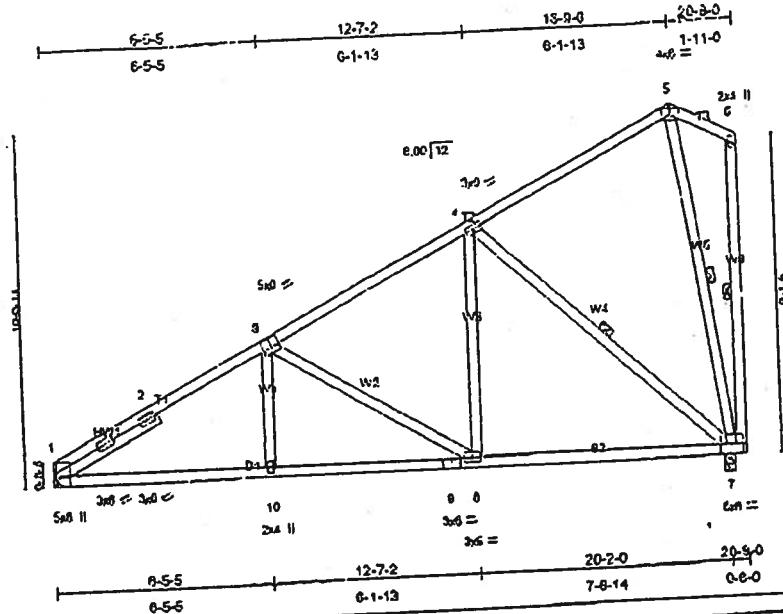


Plate Offsets (X,Y): [1 0-1-3, 0-0-13], [3 0-3-0, 3-0]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	Udefl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	Vert(LL)	-0.09	7-8	>800	MT20	244/180
TCDL 7.0	Plates Increase 1.25	BC 0.45	Vert(TL)	-0.18	7-8	>800		
BCLL 10.0	Lumber Increase 1.25	WB 0.45	Horz(TL)	0.03	7	n/a		
BCDL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2004/TP12002							
								Weight: 137 lb

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3
 SLIDER Left 2 X 4 SYP No.3 3-6-11

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-8-16 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-0-4 oc bracing.
 WEBS 1 Row at midpt 4-7, 6-7, 5-7

REACTIONS (lbs/size) 1=350/Mechanical, 7=665/0-4-0
 Max Horiz 1=422(load case 5)
 Max Uplift 1=-226(load case 5), 7=-403(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1308/285, 2-8=-1221/311, 3-4=-801/170, 4-5=-131/25, 5-6=-32/34, 6-7=-61/38
 BOT CHORD 1-10=-698/1092, 9-10=-507/1088, 8-9=-587/1088, 7-8=-334/654
 WEBS 3-10=0/182, 5-8=-507/307, 4-8=-108/488, 4-7=-806/403, 5-7=-235/207

JOINT STRESS INDEX
 1 = 0.52, 1 = 0.24, 1 = 0.24, 2 = 0.00, 3 = 0.48, 4 = 0.41, 5 = 0.64, 6 = 0.36, 7 = 0.43, 8 = 0.35, 9 = 0.51 and 10 = 0.34

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) All bearings are assumed to be SYP No.2 crushing capacity of 585.00 psi
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 225 lb uplift at joint 1 and 403 lb uplift at joint 7.

LOAD CASE(S) Standard

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Builders FirstSource, Lake City, FL 32055

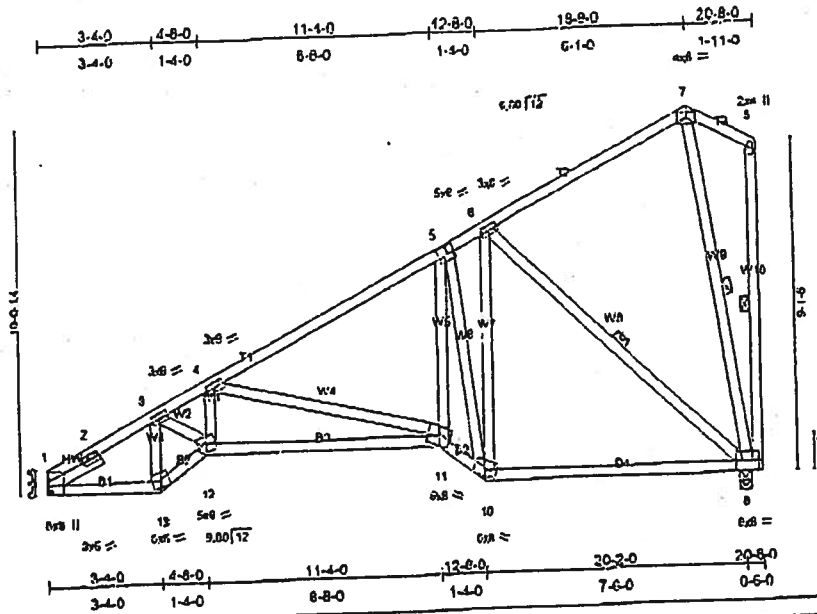


Plate Offsets (X,Y): [10-4-5,0-0-10], [5-0-2-8,0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.34	Ver(ILL)	-0.14	11-12	>099	MT20	244/180
TCOL 7.0	Lumber Increase	1.25	BC 0.46	Ver(TL)	-0.23	11-12	>999		
BCLL 10.0	Rep Stress Incr	YES	WB 0.87	Horz(TL)	0.08	9	n/a		
BCDL 5.0	Code FBC2004/TP12002		(Matrix)						
								Weight: 154 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
SLIDER Left 2 X 4 SYP No.3 1-8-13

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-2-10 oc bracing.
WEBS 1 Row 3l midpl 8-8, 5-8, 7-0

REACTIONS (lb/size) 1=850/Mechanical, 9=850/0-4-0
Max Horz 1=422(load case 5)
Max Uplift 1=225(load case 5), 9=403(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=1358/342, 2-3=1308/248, 3-4=2088/770, 4-5=-1057/282, 5-6=-737/243, 6-7=-126/25, 7-8=32/35, 8-9=52/38
BOT CHORD 1-13=655/1108, 12-13=768/1358, 11-12=1031/1890, 10-11=532/982, 9-10=323/633
WEBS 3-13=-788/431, 3-12=-500/1051, 4-12=-133/408, 4-11=-1048/597, 5-11=-451/829, 5-10=-1043/812, 6-10=-262/840, 6-9=-796/398, 7-9=-233/205

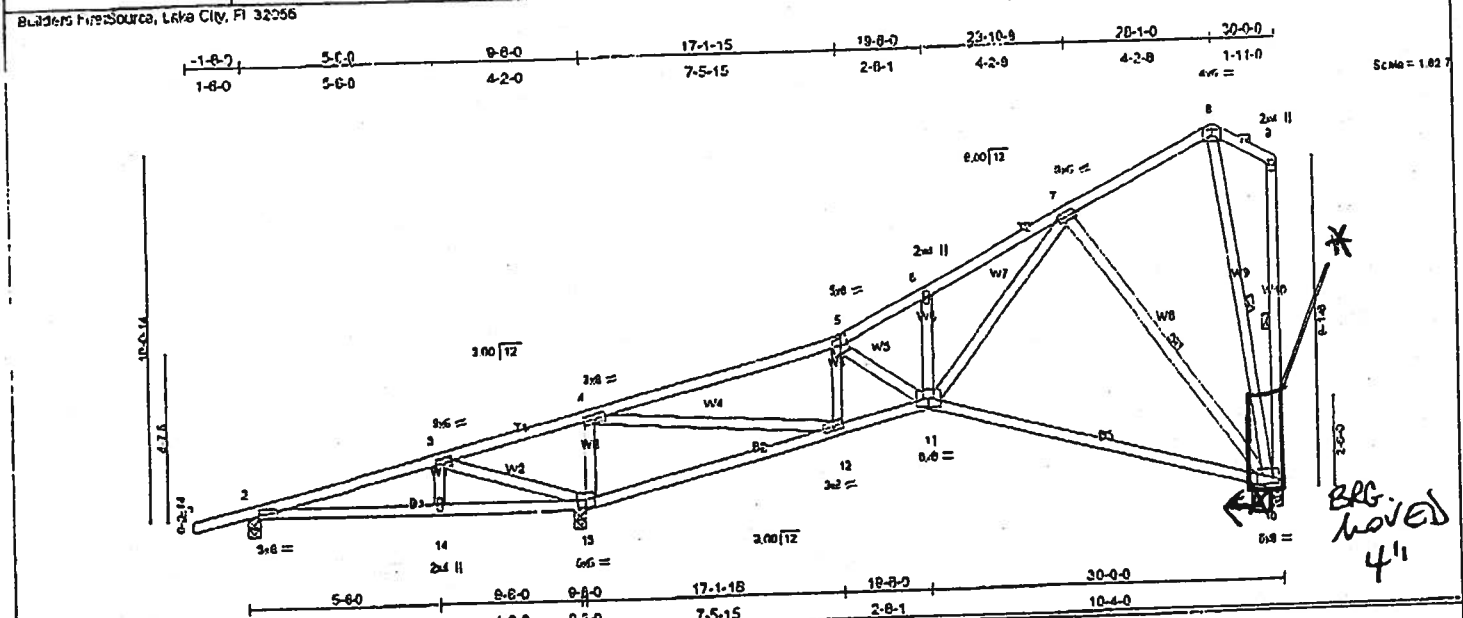
JOINT STRESS INDEX
1 = 0.53, 1 = 0.49, 2 = 0.00, 3 = 0.63, 4 = 0.41, 5 = 0.71, 6 = 0.47, 7 = 0.82, 8 = 0.35, 9 = 0.40, 10 = 0.60, 11 = 0.41, 12 = 0.71 and 13 = 0.35

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 Interior(1) zone; Lumber DOL=1.80 plate grip DOL=1.80. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 225 lb uplift at joint 1 and 403 lb uplift at joint 9.

LOAD CASE(S) Standard

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LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.65	in (loc) Wdef L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.82	Ver(LL) -0.25 10-11 >940 240		
ECCL 10.0	Lumber Increase 1.25	WB 0.65	Ver(TL) -0.44 10-11 >547 180		
BCCL 6.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.07 10 n/a n/a		
	Code FBC2004/TP2002			Weight: 180 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 5-2-1 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-0-0 oc bracing.
 WEBS 1 Row at midpt 5-10, 9-10, 7-10

REACTIONS (lb/size) 2=236/0-4-0, 13=1568/0-4-0, 10=741/0-4-0
 Max Horz 2=444(load case 5)
 Max Uplift 2=280(load case 3), 13=732(load case 5), 10=317(load case 5)
 Max Grav 2=206(load case 8), 13=1569(load case 1), 10=741(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/18, 2-3=-180/176, 3-4=-802/814, 4-5=-1189/238, 5-6=-1265/316, 6-7=-1238/377, 7-8=-100/28, 8-9=57/9, 9-10=86/15
 BOT CHORD 2-14=326/0, 13-14=326/0, 12-13=-750/251, 11-12=-520/1188, 10-11=-244/486
 WEBS 3-14=-219/128, 3-13=-657/816, 4-13=-877/508, 4-12=-703/1811, 5-12=-648/289, 5-11=-73/119, 6-11=-83/101, 7-11=-354/1017, 8-10=-111/124, 7-10=-866/350

JOINT STRESS INDEX
 2 = 0.25, 3 = 0.36, 4 = 0.78, 5 = 0.76, 6 = 0.34, 7 = 0.67, 8 = 0.26, 9 = 0.82, 10 = 0.77, 11 = 0.77, 12 = 0.78, 13 = 0.66 and 14 = 0.34

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; ECCL=3 psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) 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) All bearings are assumed to be SYP No.2 crushing capacity of 566.00 psi
 4) Bearing at joint(s) 10 considers parallel grain value using ANSITPI 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 260 lb uplift at joint 2, 732 lb uplift at joint 13 and 317 lb uplift at joint 10.

LOAD CASE(S) Standard

Architectural Services & Engineering, Inc
 CA 788Z
 24710 SR 54 Lutz, FL 33559

Robert W. Wall PE 46021

Modification needed: BEARING MOVED AS SHOWN.

Solution : * 2x12 No.2 SYP scab one face 3'-0" long with 10d's 3" o.c. at each member.

All trusses must be in an un-deflected state. No loading or braced to no deflection. If conditions change from above notify truss manufacturer. Do not damage existing plates unless otherwise noted.

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 Builders FirstSource, Lake City, FL 32055

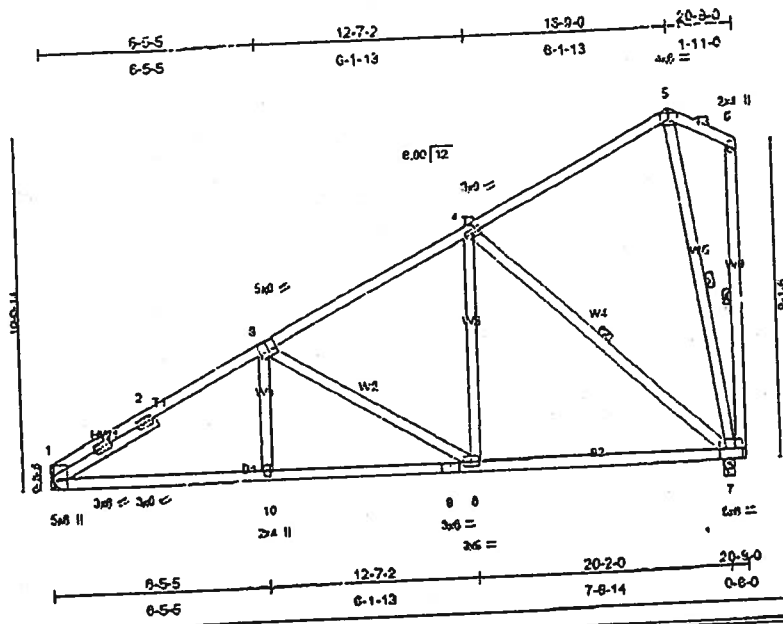


Plate Offsets (X,Y): (1-0-1-3,0-0-13), (3-0-3-0,0-3-0)				PLATES			
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	Udefl	U/d
TCLL 20.0	Plates Increase	1.25	TC 0.28	Vert(LL)	-0.09	7-8	>888
TCDL 7.0	Lumber Increase	1.25	BC 0.43	Vert(TL)	-0.18	7-8	>800
BCLL 10.0	Rep Stress Incr	YES	WB 0.45	Horz(TL)	0.03	7	n/a
BCDL 5.0	Code FBC2004/TP12002		(Matrix)				
							Weight: 137 lb

LUMBER
 TOP CHORD 2 X 4 SYP No.2
 BOT CHORD 2 X 4 SYP No.2
 WEBS 2 X 4 SYP No.3
 SLIDER Left 2 X 4 SYP No.3 3-6-11

BRACING
 TOP CHORD Structural wood sheathing directly applied or 5-8-16 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-0-4 oc bracing.
 WEBS 1 Row at midpt 4-7, 6-7, 5-7

REACTIONS (lb/size) 1=850/Mechanical, 7=865/0-4-0
 Max Horz 1=422(load case 5)
 Max Uplift 1=226(load case 5), 7=403(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=-1308/285, 2-3=-1221/311, 3-4=-801/178, 4-5=-131/25, 5-6=-32/34, 6-7=-61/38
 BOT CHORD 1-10=-598/1092, 9-10=-507/1088, 8-9=-597/1088, 7-8=-394/654
 WEBS 3-10=0/162, 3-6=-507/307, 4-8=-108/488, 4-7=-806/403, 5-7=-235/207

JOINT STRESS INDEX
 1 = 0.52, 1 = 0.24, 1 = 0.24, 2 = 0.00, 3 = 0.48, 4 = 0.41, 5 = 0.64, 6 = 0.38, 7 = 0.43, 8 = 0.35, 9 = 0.51 and 10 = 0.34

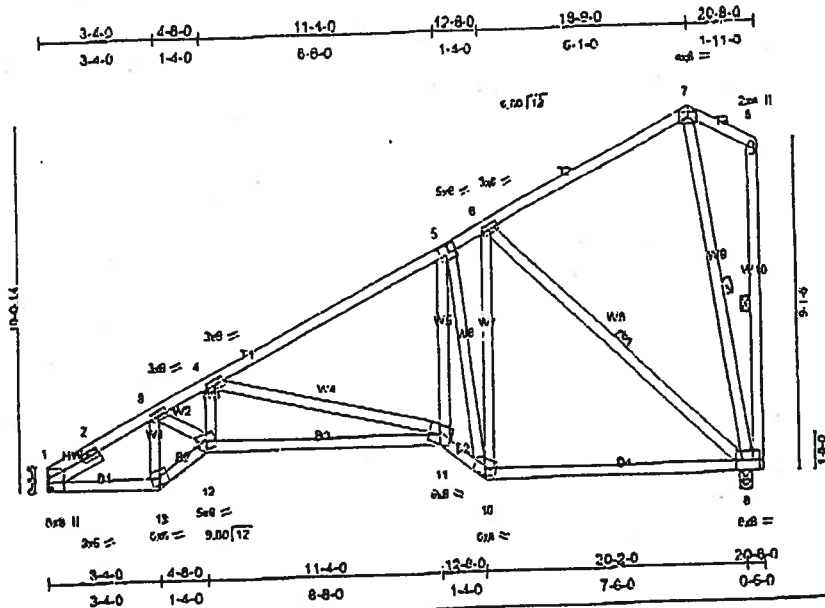
NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02: 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 3) All bearings are assumed to be SYP No.2 crushing capacity of 585.00 psi
 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 225 lb uplift at joint 1 and 403 lb uplift at joint 7.

LOAD CASE(S) Standard

SEAN
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10/17/07

Builders FirstSource, Lake City, FL 32055



Scale = 1/8" = 1'-0"

Plate Offsets (X,Y): [1:0-4-5,0-0-10], [5:0-2-8,0-3-0]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	V/defl	L/d	PLATES	GRIP
TCLL 20.0	2'-0"	TC 0.34	Ver(LL)	-0.14 11-12	>099	240	MT20	2-14/180
TCOL 7.0	Plates Increase 1.25	BC 0.46	Ver(TL)	-0.23 11-12	>099	180		
BCLL 10.0	Lumber Increase 1.25	WB 0.87	Horz(TL)	0.08 9	n/a	n/a		
BCOL 5.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2004/TP12002						Weight: 154 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
SLIDER Left 2 X 4 SYP No.3 1-8-13

BRACING
TOP CHORD
BOT CHORD
WEBS
Structural wood sheathing directly applied or 4-0-7 oc purlins, except end verticals.
Rigid ceiling directly applied or 6-2-10 oc bracing.
1 Row at midpt 8-8, 8-9, 7-9

REACTIONS (lb/size): 1=850/Mechanical, 9=850/0-4-0
Max Horz 1=422(load case 5)
Max Uplift 1=225(load case 5), 9=403(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=1358/342, 2-3=1308/348, 3-4=2088/770, 4-5=1057/282, 5-6=737/243, 6-7=126/25, 7-8=32/35, 8-9=52/38
BOT CHORD 1-13=655/1108, 12-13=768/1358, 11-12=1031/1680, 10-11=833/982, 9-10=323/633
WEBS 3-13=788/431, 3-12=500/1081, 4-12=133/408, 4-11=1046/597, 5-11=451/929, 5-10=1043/812, 6-10=262/840, 8-9=796/398, 7-8=233/205

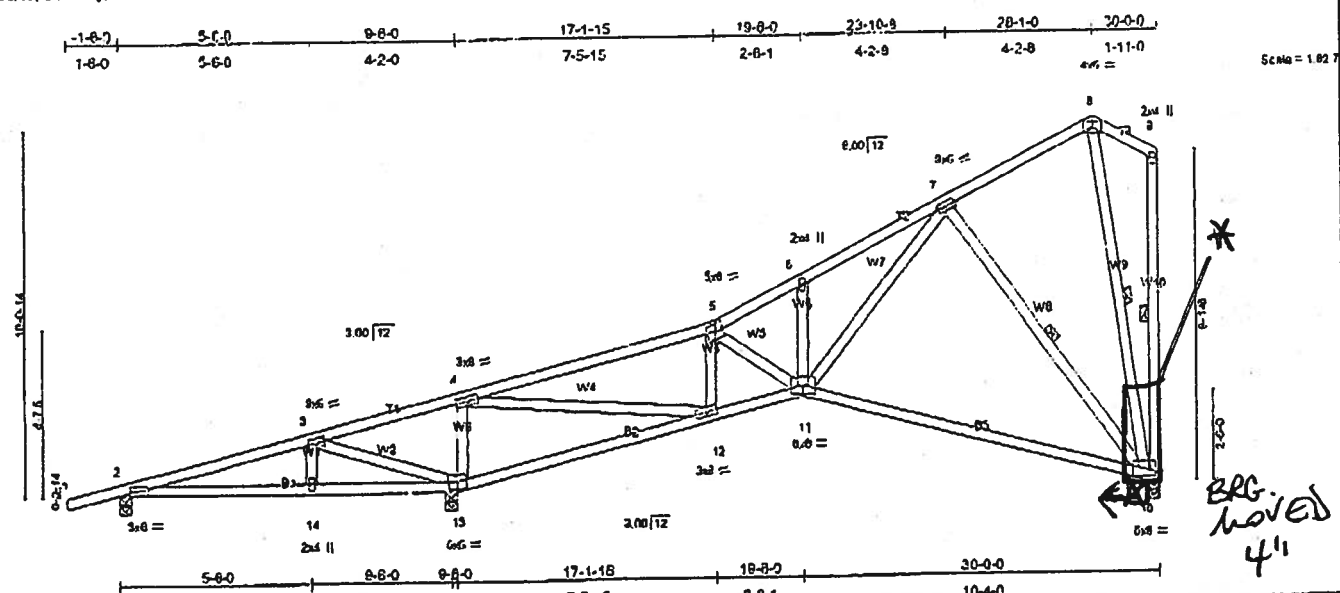
JOINT STRESS INDEX
1 = 0.53, 1 = 0.49, 2 = 0.00, 3 = 0.63, 4 = 0.41, 5 = 0.71, 6 = 0.47, 7 = 0.82, 8 = 0.35, 9 = 0.40, 10 = 0.60, 11 = 0.41, 12 = 0.71 and 13 = 0.35

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust), h=20ft, TCOL=4.2psf, BCDL=3.0psf, Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.80 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 225 lb uplift at joint 1 and 403 lb uplift at joint 9.

LOAD CASE(S) Standard

SEAL
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LOADING (psf)	SPACING	CS1	DEFL	PLATES	GRIP
TCLL 20.0	2'-0"	TC 0.65	in (loc) l/def	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.82	Ver(LL) -0.25 10-11 >940		
BCLL 10.0	Lumber Increase 1.25	WB 0.65	Ver(TL) -0.44 10-11 >547		
BCDL 6.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.07 10 n/a		
	Code FBC2004/TP12002			Weight: 180 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 5-2-1 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 8-0-0 oc bracing.
 WEBS 1 Row at midpt 6-10, 3-10, 7-10

REACTIONS (lb/size) 2=206/0-4-0, 13=1568/0-4-0, 10=741/0-4-0
 Max Horz 2=444(load case 5)
 Max Uplift 2=280(load case 3), 13=732(load case 5), 10=317(load case 5)
 Max Grav 2=206(load case 8), 13=1568(load case 1), 10=741(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/18, 2-3=-180/176, 3-4=-602/814, 4-5=-1189/238, 5-6=-1265/318, 6-7=-1238/377, 7-8=-100/28, 8-9=57/9, 9-10=-96/15
 BOT CHORD 2-14=-326/0, 13-14=-326/0, 12-13=-750/251, 11-12=-520/1188, 10-11=-244/488
 WEBS 3-14=-218/128, 3-13=-657/818, 4-13=-977/508, 4-12=-703/1811, 5-11=-73/119, 6-11=-83/101, 7-11=-354/1017, 6-10=-111/124, 7-10=-866/350

JOINT STRESS INDEX
 2 = 0.25, 3 = 0.36, 4 = 0.70, 5 = 0.75, 6 = 0.34, 7 = 0.67, 8 = 0.26, 9 = 0.82, 10 = 0.77, 11 = 0.77, 12 = 0.78, 13 = 0.65 and 14 = 0.94

NOTES
 1) Unbalanced roof live loads have been considered for this design.
 2) Wind: ASCE 7-02; 110mph (2-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) 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) All bearings are assumed to be SYP No.2 crushing capacity of 586.00 psf
 4) Bearing at joint(s) 10 considers parallel to grain value using ANSI/TP1 1 single 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 260 lb uplift at joint 2, 732 lb uplift at joint 13 and 317 lb uplift at joint 10.

LOAD CASE(S) Standard

Architectural Services & Engineering, Inc
CA 7882
24710 SR 54 Lutz, FL 33559

Robert W. Wall PE 46021

Modification needed: BEARING MOVED AS SHOWN.

Solution : * 2x12 No.2 SYP scab one face 3'-0" long with 10d's 3" o.c. at each member.

All trusses must be in an un-deflected state. No loading or braced to no deflection. If conditions change from above notify truss manufacturer. Do not damage existing plates unless otherwise noted.





BRITT SURVEYING

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

*Land Surveyors
and Mappers*

02/22/08

Permit # 25921

L-19092r

To Whom It May Concern:

C/o: G & J Builders

Re: Lot 16 Cannon Creek Place

The elevation of the foundation is found to be 99.19 feet. The recommended finished floor elevation is 98.50 feet as per the plat of record. The highest adjacent grade is 98.4 feet and the lowest adjacent grade is 96.90 feet. The centerline of the adjacent road SW Arrowbend Drive is 96.15 feet. The elevations shown hereon are based on NGVD 29 Datum.

L. Scott Britt
PLS #5757

COLUMBIA COUNTY OFFICE COLUMBIA

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 24-4S-16-03114-116

Building permit No. 000025921

Use Classification SFD, UTILITY

Fire: 44.94

Permit Holder GEORGE ROHNER

Waste: 117.25

Owner of Building GREG TALLEY

Total: 162.19

Location: 143 SW ARROWBEND DR, LAKE CITY, FL

Date: 03/24/2008

Tanya Bickel

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

