For Office Use Only Application # 07/1-45 Date Re	celved 1/19/67 By J Permit # 1484 2 446
Application Approved by - Zoning Official But Date	7/1/07 Plans Examiner OKSTI Date 11-27-07
Flood Zone Development Permit WA Zoning	KSF-2 Land Use Plan Map Category KES Low DEN
Comments Plat Regules MFE of 98,5 St, E	Elevation Confirmation Letter Regular
Treat lister last 1	Inc Phone 397-0545
	ake C't Er
	Phone 752-2874
Owners Name LS J Properties Inc	Lake City FC 32025
911 Address 225 5W Arrowbend Drive Contractors Name Trent Grebers	
Collinations in an in a second	Phone 3/1-094/
Address 697 SE Holly Terrace	
Fee Simple Owner Name & Address	
Bonding Co. Name & Address	2
Architect/Engineer Name & Address Franco Visig	in Group
Mortgage Lenders Name & Address	
Circle the correct power company - FL Power & Light - Clar	
Property ID Number 24-45-16-03114-122	
Subdivision Name Cannon Creek Place	Lot 22 Block Unit Phase
Driving Directions Sisters Welcome Sout	
Right on Gerald conner Driv	
Drive house on corner of	SW Haver Hill Glen
Type of Construction frame SFD	Number of Existing Dwellings on Property $\frac{-0}{}$
Total Acreage Lot Size Do you need a Cul	vert Permit or <u>Culvert Walver</u> or <u>Have an Existing Drive</u>
Actual Distance of Structure from Property Lines - Front	Side
Total Building Height 16141 Number of Stories	Heated Floor Area 1344 Roof Pitch 6-12
Application is hereby made to obtain a permit to do work and is	nstallations as indicated. I certify that no work or
installation has commenced prior to the issuance of a permit a all laws regulating construction in this jurisdiction.	nd that all work be performed to meet the standards of
OWNERS AFFIDAVIT: I hereby certify that all the foregoing info compliance with all applicable laws and regulating construction	
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE	
TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU IN LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE	
	of the
D. H. L. A. and H. L. Harris Condension	IV MMy
Owner Builder or Agent (Including Contractor)	Contractor Signature Contractors License Number RR 1828/1523
STATE OF FLORIDA	Competency Card Number Own 141
COUNTY OF COLUMBIA	NOTARI STANIF/SEAL
Sworn to (or affirmed) and subscribed before me this 19 day of Movember 2007.	EXPINE SOURCE THE VERY BUILD SOURCE TO THE S
Personally known or Produced Identification	WA COWWISSION # DD 436381
reisonally known or Froduced Identification	Notary Signature STOLAR ELAINE K. TOLAR

# **Columbia County Building Department Culvert Permit**

### Culvert Permit No.

000001482

DATE 11/3	30/2007 PARCEL ID #	24-4S-16-03114-122	
APPLICANT	TRENT GIEBEIG	PHONE 397-05	545
ADDRESS _	697 SE HOLLY TERR	LAKE CITY	FL 32055
OWNER L	SJ PROPERTIES	PHONE 752-28	74
ADDRESS _2	225 SW ARROWHEAD DRIVE	LAKE CITY	FL 32025
CONTRACTO	OR TRENT GIEBEIG	PHONE 397-08	545
LOCATION O	OF PROPERTY 341 S, L KICKLIGHTER, I	R GERALD CONNER DR, L ARROV	VHEAD DR.
ON THE CORNE	ER OF SW HAVER HILL GLN & ARROWHEEA	D DR	
SIGNATURE	INSTALLATION REQUIREMENT Culvert size will be 18 inches in diamed driving surface. Both ends will be miter thick reinforced concrete slab.  INSTALLATION NOTE: Turnouts will a) a majority of the current and existin b) the driveway to be served will be pure Turnouts shall be concrete or pave concrete or paved driveway, which current and existing paved or concrete or paved driveway.  Culvert installation shall conform to the Department of Transportation Permit in the contract of the current and existing paved.	ter with a total lenght of 32 feet, red 4 foot with a 4 : 1 slope and the required as follows: any driveway turnouts are paved eaved or formed with concrete, and a minimum of 12 feet wide or ever is greater. The width shall dreted turnouts.	poured with a 4 inch , or; the width of the conform to the
	Other		
	7-1 × 100	1.08-10	

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

135 NE Hernando Ave., Suite B-21 Lake City, FL 32055

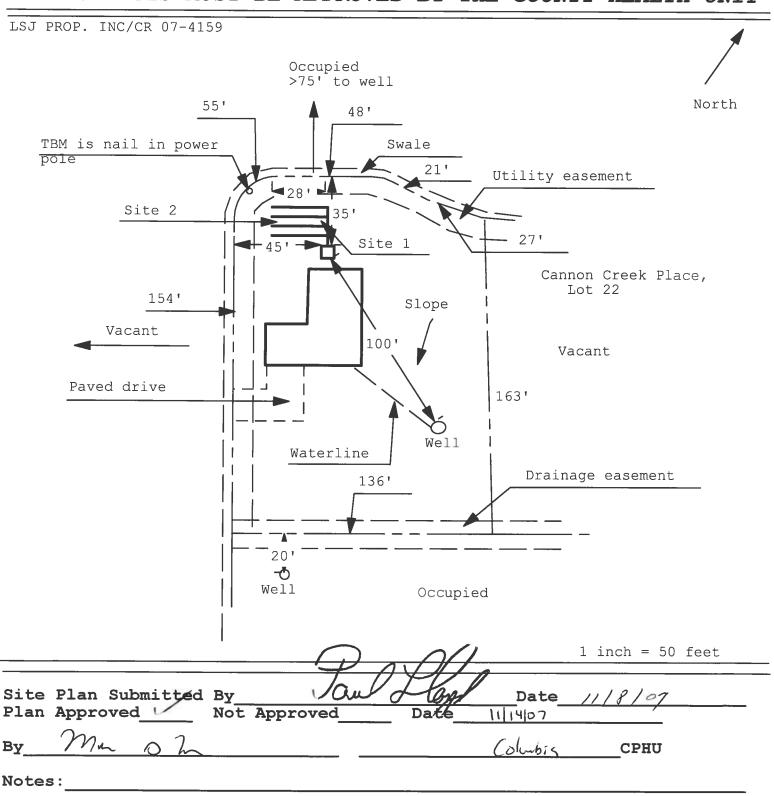
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00



Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan Permit Application Number: 07-0873

### ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



Project Name:

Address:

Cannon Creek-Lot#22

**SW Arrowbend Drive** 

Permitting Office: Columbia County

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Builder:

Owner:	ke City, Fl	Permit Number: 2696 Jurisdiction Number:	
Climate Zone: No	rth	~ ~ ~	./ 1 00
a. U-factor:	sting New amily Single family i-family 1 3 4 5 2 5 2 6 1 3 4 4 ft 2 4 5 2 6 1 3 4 6 ft 2 6 1 4 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	12. Cooling systems a. Central Unit/Split b. N/A c. N/A  13. Heating systems a. Electric Heat Pump/Split b. N/A c. N/A  14. Hot water systems a. Electric Resistance b. N/A  c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)  15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	Cap: 32.0 kBtu/hr SEER: 13.00  Cap: 32.0 kBtu/hr HSPF: 8.50  Cap: 20.0 gallons EF: 0.94  PT, CF,
Glass/Flo	oor Area: 0.11	t points: 16907 e points: 20404	

DATE:

I hereby certify that the plans and specifications covered by

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



BUILDING OFFICIAL: \_\_\_\_\_\_
DATE: \_\_\_\_\_

### **SUMMER CALCULATIONS**

# Residential Whole Building Performance Method A - Details

ADDRESS: **SW Arrowbend Drive, Lake City, FI,** PERMIT #:

	BASE			AS-BUILT							
GLASS TYPES .18 X Condition Floor Are		SPM = I	Points	Type/SC		hang Len	Hgt	Area X	SPM X	SOF	= Points
.18 1344.0		18.59	4497.0	1.Double, Clear 2.Double, Clear 3.Double, Clear 4.Double, Clear 5.Double, Clear 6.Double, Clear 6.Double, Clear	W W E E E N	1.0 1.0 1.0 6.0 1.0	6.0 6.0 6.0 6.0 6.0	60.0 40.0 4.0	38.52 38.52 42.06 42.06 42.06 19.20	0.97 0.97 0.97 0.52 0.97 0.98	560.0 2242.0 1631.0 87.0 978.0 93.0
WALL TYPES	Area X	BSPM	= Points	Туре		R-	Value	Area	X SP	M =	Points
Adjacent Exterior	0.0 1141.4	0.00 1.70	0.0 1940.4	1. Frame, Wood, Exterior			13.0	1141.4	1.50	)	1712.1
Base Total:	1141.4		1940.4	As-Built Total:				1141.4			1712.1
DOOR TYPES	Area X	BSPM	= Points	Туре				Area	X SP	M =	Points
Adjacent Exterior	0.0 54.6	0.00 6.10	0.0 333.1	1.Exterior Insulated     2.Exterior Insulated				15.0 39.6	4.10 4.10		61.5 162.4
Base Total:	54.6		333.1	As-Built Total:				54.6			223.9
CEILING TYPES	Area X	BSPM	= Points	Туре	F	R-Valu	e A	∖rea X S	SPM X S	CM =	Points
Under Attic	1344.0	1.73	2325.1	1. Under Attic			30.0	1344.0	1.73 X 1.00	)	2325.1
Base Total:	1344.0		2325.1	As-Built Total:				1344.0			2325.1
FLOOR TYPES	Area X	BSPM	= Points	Туре		R-\	√alue	Area	X SP	M =	Points
Slab 26 Raised	00.0(p) 0.0	-37.0 0.00	-7400.0 0.0	1. Slab-On-Grade Edge Insula	ation		0.0	200.0(p	-41.20	)	-8240.0
Base Total:			-7400.0	As-Built Total:				200.0			-8240.0
INFILTRATION	Area X	BSPM	= Points					Area	X SP	M =	Points
	1344.0	10.21	13722.2					1344.0	10.2	:1	13722.2

# **SUMMER CALCULATIONS**

# Residential Whole Building Performance Method A - Details

ADDRESS: **SW Arrowbend Drive, Lake City, FI,**PERMIT #:

	BASE		AS-BUILT							
Summer Ba	se Points: 1	5417.8	Summer As-Built Points:	5334.3						
Total Summer Points	X System = Multiplier	= Cooling Points	Total X Cap X Duct X System X Credit = Component Ratio Multiplier Multiplier Multiplier (System - Points) (DM x DSM x AHU)	Cooling Points						
15417.8	0.3250	5010.8	(sys 1: Central Unit 32000btuh ,SEER/EFF(13.0) Ducts:Con(S),Con(R),Int(AH),R6.0(INS)         15334       1.00 (1.00 x 1.147 x 0.91) 0.260 0.902         15334.3       1.00 1.044 0.260 0.902	3755.7 <b>3755.7</b>						

# WINTER CALCULATIONS

# Residential Whole Building Performance Method A - Details

ADDRESS: **SW Arrowbend Drive, Lake City, FI,** PERMIT #:

BASE		AS-BL	JILT			
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area		verhang : Len Hg	t Area X V	VPM X	WOF	= Points
.18 1344.0 20.17 4880.0	2.Double, Clear 3.Double, Clear 4.Double, Clear 5.Double, Clear	W 1.0 6 E 1.0 6 E 6.0 6 E 1.0 6	.0 15.0 .0 60.0 .0 40.0 .0 4.0 .0 24.0 .0 5.0	20.73 20.73 18.79 18.79 18.79 24.58	1.01 1.01 1.02 1.29 1.02 1.00	313.0 1253.0 763.0 96.0 458.0 122.0
WALL TYPES Area X BWPM = Points	Туре	R-Valu		WPN	1 =	Points
Adjacent         0.0         0.00         0.0           Exterior         1141.4         3.70         4223.2	1. Frame, Wood, Exterior	13.0	1141.4	3.40		3880.8
Base Total: 1141.4 4223.2	As-Built Total:		1141.4			3880.8
DOOR TYPES Area X BWPM = Points	Туре	·	Area X	WPM	=	Points
Adjacent         0.0         0.00         0.0           Exterior         54.6         12.30         671.6	Exterior Insulated     Exterior Insulated		15.0 39.6	8.40 8.40		126.0 332.6
Base Total: 54.6 671.6	As-Built Total:		54.6			458.6
CEILING TYPES Area X BWPM = Points	Туре	R-Value A	Area X WPI	ихwc	:M =	Points
Under Attic 1344.0 2.05 2755.2	1. Under Attic	30.0	1344.0 2.0	5 X 1.00		2755.2
Base Total: 1344.0 2755.2	As-Built Total:		1344.0			2755.2
FLOOR TYPES Area X BWPM = Points	Туре	R-Valu	ie Area X	WPM	=	Points
Slab         200.0(p)         8.9         1780.0           Raised         0.0         0.00         0.0	Slab-On-Grade Edge Insulation	0.0	200.0(p	18.80		3760.0
Base Total: 1780.0	As-Built Total:		200.0			3760.0
INFILTRATION Area X BWPM = Points			Area X	WPM	=	Points
1344.0 -0.59 -793.0			1344.0	-0.59		-793.0

# **WINTER CALCULATIONS**

# Residential Whole Building Performance Method A - Details

ADDRESS: SW Arrowbend Drive, Lake City, FI, PERMIT #:

	BASE		AS-BUILT							
Winter Base	Points:	13517.0	Winter As-Built Points: 13066.6							
Total Winter X Points	System = Multiplier	Heating Points	Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)							
13517.0	0.5540	7488.4	(sys 1: Electric Heat Pump 32000 btuh ,EFF(8.5) Ducts:Con(S),Con(R),Int(AH),R6.0         13066.6       1.000       (1.000 x 1.169 x 0.93) 0.401       0.950       5414.0         13066.6       1.00       1.087       0.401       0.950       5414.0							

# **WATER HEATING & CODE COMPLIANCE STATUS**

Residential Whole Building Performance Method A - Details

ADDRESS: SW Arrowbend Drive, Lake City, FI, PERMIT #:

BASE					AS-BUILT							
WATER HEA Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier	X Credit Multiplie	
3		2635.00		7905.0	20.0 As-Built To	0.94	3		1.00	2578.94	1.00	7736.8 <b>7736.8</b>

	CODE COMPLIANCE STATUS									
	BASE AS-BUILT									
Cooling + Heating + Hot Water = Total Cooling + Heating + Points Points Points Points							Hot Water Points	=	Total Points	
5011	5011 7488 7905 20404 3756 5414 7737 16907									16907

**PASS** 



# **Code Compliance Checklist**

# Residential Whole Building Performance Method A - Details

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

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

#### ESTIMATED ENERGY PERFORMANCE SCORE\* = 87.6

The higher the score, the more efficient the home.

, SW Arrowbend Drive, Lake City, FI,

<ol> <li>New construction or existing</li> <li>Single family or multi-family</li> <li>Number of units, if multi-family</li> <li>Number of Bedrooms</li> <li>Is this a worst case?</li> <li>Conditioned floor area (ft²)</li> <li>Glass type! and area: (Label reqd.</li> </ol>		a. Central Unit/Split  b. N/A  c. N/A	Cap: 32.0 kBtu/hr SEER: 13.00
<ul><li>a. U-factor:         (or Single or Double DEFAULT)</li><li>b. SHGC:         (or Clear or Tint DEFAULT)</li></ul>	Description Area 7a. (Dble Default) 148.0 ft² 7b. (Clear) 148.0 ft²	13. Heating systems  a. Electric Heat Pump/Split  b. N/A	Cap: 32.0 kBtu/hr HSPF: 8.50
<ul><li>8. Floor types</li><li>a. Slab-On-Grade Edge Insulation</li><li>b. N/A</li><li>c. N/A</li></ul>	R=0.0, 200.0(p) ft	c. N/A  14. Hot water systems	_ _ _
9. Wall types a. Frame, Wood, Exterior b. N/A c. N/A d. N/A e. N/A 10. Ceiling types a. Under Attic b. N/A c. N/A 11. Ducts a. Sup: Con. Ret: Con. AH: Interior b. N/A	R=13.0, 1141.4 ft <sup>2</sup> R=30.0, 1344.0 ft <sup>2</sup> Sup. R=6.0, 56.0 ft	a. Electric Resistance  b. N/A  c. Conservation credits  (HR-Heat recovery, Solar  DHP-Dedicated heat pump)  15. HVAC credits  (CF-Ceiling fan, CV-Cross ventilation,  HF-Whole house fan,  PT-Programmable Thermostat,	Cap: 20.0 gallons EF: 0.94  PT, CF,
I certify that this home has complied Construction through the above end in this home before final inspection based on installed Code compliant Builder Signature:  Address of New Home:	ergy saving features which a. Otherwise, a new EPL I features.	will be installed (or exceeded)	COD WE TEN

\*NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs 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 v4.5.2)

# **BUILDING INPUT SUMMARY REPORT**

Panes	-	,									
# of Units:			Title:	Cannon Cre	ek-Lot#22			•			•
Floor Type			Owner:	(blank)		New/Existing:		New	Lot #:		
Floor Type			# of Units:	1		Bedrooms:		3	Subdivision:	N/A	
Floor Type	7		Builder Name:	T. Geibeig		Conditioned A	\rea:	1344	Platbook:	N/A	
Floor Type	2		Climate:	North		Total Stories:		1	Street:	SW Arrowbend	1 Drive
Floor Type	<u>F</u>		Permit Office:	(blank)		Worst Case:		Yes	County:	Columbia	
Second Content	_			` '		Rotate Angle:			-	Lake City. Fl.	
Slab-On-Grade Edge Insulation   0.0   200.0(g) ft   1   1   1   1   1   1   1   1   1			ourisaletion #:	(Didint)							
# Ceiling Type	S	#	Floor Type		R-Val Area/	Perimeter Units	ဟ	# Door Typ	e Orientation		Units
# Ceiling Type	E	1	Slab-On-Grade Ed	ge Insulation	0.0 200.0	(p) ft 1					
# Ceiling Type	8						I  X	2 insulated	Exterior	55.0 It	•
# Ceiling Type	<b>1</b>						lΧ				
Transparent   Control	Щ				<u>-</u>						
# Wall Type   Location   R-Val Area   Units	(0	#	Ceiling Type		R-Val Area	Base Area Units	C	# System Type		Efficiency	Capacity
# Wall Type   Location   R-Val Area   Units	Ö	1	Under Attic		30.0 1344.0 f	t² 1344.0 ft² 1	Ιž	1 Central Unit/Split		SEER: 13.00	32.0 kBtu/hr
# Wall Type   Location   R-Val Area   Units	Ž										
# Wall Type   Location   R-Val Area   Units							Ιō				
# Wall Type   Location   R-Val Area   Units	Ш						0				
Frame - Wood	C	Cre	edit Multipliers: N	one				Credit Multipliers:	Ceil Fn, PT		
Frame - Wood				·	Location P.	/al Area   linite	1	# System Type		Efficiency	Capacity
Rater Name:   CodeOnlyPro   Class #:   System Type   Eff   Cap.   Conservation Type							O		nn/Snlit		
Rater Name:   CodeOnlyPro   Class #:   System Type   Eff   Cap.   Conservation Type	က	1	Frame - vvood		Exterior 13.	0 1141.410 1	Į≅	T Electric rieat Fur	пр/орік	11011, 0,00	OZ.O KOKOMI
Rater Name:   CodeOnlyPro   Class #:   System Type   Eff   Cap.   Conservation Type	<b>=</b>										
Rater Name:   CodeOnlyPro   Class #:   System Type   Eff   Cap.   Conservation Type	A										
# Panes   Tint   Ornt   Area   OH Length   OH Hight   Double   Clear   N   15.0 ft   1.0 ft   6.0 ft   1   2   2   2   2   3   Double   Clear   N   30.0 ft   1.0 ft   6.0 ft   1   3   5   5   5   5   5   5   5   5   5	3						Ī	Cradit Multipliars			
Double   Clear   N   15.0 ft   1.0 ft   6.0 ft   1.0 ft   6.0 ft   2   2   2   2   2   2   2   2   2							<u> </u>				
Double   Clear   N   15.0 ft   1.0 ft   6.0 ft   1.0 ft   6.0 ft   2   2   2   2   2   2   2   2   2		-44	Panes Tint	Ornt	Area OH Ler	ath OH Haht Linits		# Supply Ret	urn Air Handler ation Location	Supply R-Val	Supply Length
Part							၂ ဟ				
Credit Multipliers: None  Credit Multipliers					30.0 ft <sup>2</sup> 1.0		15				
Credit Multipliers: None  Credit Multipliers							١ŏ				
Rater Name: CodeOnlyPro Class #: 3 Pool Size: 0 Rater Certification #: CodeOnlyPro Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Pump Size: 0.00 hp Area Under Incandescent: 1344.0 Leak Free Duct System Proposed: No Stove Type: Electric NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:											
Rater Name: CodeOnlyPro Class #: 3 Pool Size: 0 Rater Certification #: CodeOnlyPro Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Pump Size: 0.00 hp Area Under Incandescent: 1344.0 Leak Free Duct System Proposed: No Stove Type: Electric NOTE: Not all Rating info shown    W								Credit Multipliers	: None		
Rater Name: CodeOnlyPro Class #: 3 Pool Size: 0 Rater Certification #: CodeOnlyPro Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Pump Size: 0.00 hp Area Under Fluorescent: 1344.0 Leak Free Duct System Proposed: No Stove Type: Electric NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:		Ĭ	2002.0	_			~	# System Type	EF Cap.	Conservation T	ype Con. EF
Rater Name: CodeOnlyPro Rater Certification #: CodeOnlyPro Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Dryer Type: Electric Area Under Incandescent: 1344.0 Leak Free Duct System Proposed: No Avg Ceil Hgt:							出版	1 Electric Resist	ance 0.94 20.0	None	0.00
Rater Name: CodeOnlyPro Class #: 3 Pool Size: 0 Rater Certification #: CodeOnlyPro Duct Leakage Type: N/A Pump Size: 0.00 hp Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Dryer Type: Electric Area Under Incandescent: 1344.0 Leak Free Duct System Proposed: No Stove Type: Electric NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:							ΙĘ				
Rater Name: CodeOnlyPro Class #: 3 Pool Size: 0 Rater Certification #: CodeOnlyPro Duct Leakage Type: N/A Pump Size: 0.00 hp Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Dryer Type: Electric Area Under Incandescent: 1344.0 Leak Free Duct System Proposed: No Stove Type: Electric NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:							I₹				
Rater Name: CodeOnlyPro Class #: 3 Pool Size: 0 Rater Certification #: CodeOnlyPro Duct Leakage Type: N/A Pump Size: 0.00 hp Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Dryer Type: Electric Area Under Incandescent: 1344.0 Leak Free Duct System Proposed: No Stove Type: Electric NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:							5				
Rater Name: CodeOnlyPro Class #: 3 Pool Size: 0 Rater Certification #: CodeOnlyPro Duct Leakage Type: N/A Pump Size: 0.00 hp Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Dryer Type: Electric Area Under Incandescent: 1344.0 Leak Free Duct System Proposed: No Stove Type: Electric NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:								# Use Default	2 Annual Opera	ting Cost Elect	tric Rate
Rater Name: CodeOnlyPro Class #: 3 Pool Size: 0 Rater Certification #: CodeOnlyPro Duct Leakage Type: N/A Pump Size: 0.00 hp Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Dryer Type: Electric Area Under Incandescent: 1344.0 Leak Free Duct System Proposed: No Stove Type: Electric NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Cell Hgt:	VS						نہ ا	4 ٧	•		
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Rater Certification #: CodeOnlyPro Duct Leakage Type: N/A Pump Size: 0.00 hp  Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Dryer Type: Electric  Area Under Incandescent: 1344.0 Leak Free Duct System Proposed: No Stove Type: Electric  NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:							ı				
Rater Certification #: CodeOnlyPro Duct Leakage Type: N/A Pump Size: 0.00 hp  Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Dryer Type: Electric  Area Under Incandescent: 1344.0 Leak Free Duct System Proposed: No Stove Type: Electric  NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:							l				
Rater Certification #: CodeOnlyPro Duct Leakage Type: N/A Pump Size: 0.00 hp  Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Dryer Type: Electric  Area Under Incandescent: 1344.0 Leak Free Duct System Proposed: No Stove Type: Electric  NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:											
Rater Certification #: CodeOnlyPro Duct Leakage Type: N/A Pump Size: 0.00 hp  Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Dryer Type: Electric  Area Under Incandescent: 1344.0 Leak Free Duct System Proposed: No Stove Type: Electric  NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:							1				
Rater Certification #: CodeOnlyPro Duct Leakage Type: N/A Pump Size: 0.00 hp  Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Dryer Type: Electric  Area Under Incandescent: 1344.0 Leak Free Duct System Proposed: No Stove Type: Electric  NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:							l				
Rater Certification #: CodeOnlyPro Duct Leakage Type: N/A Pump Size: 0.00 hp  Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Dryer Type: Electric  Area Under Incandescent: 1344.0 Leak Free Duct System Proposed: No Stove Type: Electric  NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:							ı				
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Rater Certification #: CodeOnlyPro Duct Leakage Type: N/A Pump Size: 0.00 hp  Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Dryer Type: Electric  Area Under Incandescent: 1344.0 Leak Free Duct System Proposed: No Stove Type: Electric  NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:										Dool Since C	
Area Under Fluorescent: 0.0 Visible Duct Disconnects: N/A Dryer Type: Electric  Area Under Incandescent: 1344.0 Leak Free Duct System Proposed: No Stove Type: Electric  NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:								_			
NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:	O		Rater Certificati	ion #:	CodeOnlyPro	Duct Leakage Ty	oe:	N/A		•	
NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:	Š		Area Under Flu	orescent:	0.0	Visible Duct Disc	onne	cts: N/A		Dryer Type: E	Electric
NOTE: Not all Rating info shown HRV/ERV System Present?: No Avg Ceil Hgt:	5		Area Under Inca	andescent:	1344.0	Leak Free Duct S	ystem	Proposed: No		Stove Type: E	Electric
EnergyGauge® (Version: ELRCPB v4 5.2)			HOTE. NOT All R	aung imo s							

EnergyGauge® (Version: FLRCPB v4.5.2)



**Project Information for:** 

L260930

Builder:

**GIEBEIG HOMES** 

Lot:

22

Subdivision:

CANNON CREEK PLACE

County:

COLUMBIA

Truss Count:

25

Design Program: MiTek 20/20 6.3
Building Code: FBC2004/TPI2002
Truss Design Load Information:

**Gravity:** 

Wind:

Roof (psf): 42.0

Wind Standard: ASCE 7-02

Wind Exposure: B

Floor (psf): N/A

Wind Speed (mph): 110

Note: See the individual truss drawings for special loading conditions.

Contractor of Record, responsible for structural engineering:

Brian T. Giebeig Florida Registered Residential Contractor License No. RR282811523 Address: Trent Giebeig Construction, Inc. 462 Southwest Fairlington Court Lake City, Florida 32025

Truss Design Engineer: Julius Lee, PE Florida P.E. License No. 34869

Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-2002 Section 2.2

2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.

3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elelments in the web and chord planes. See Flörida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

No.	Drwg. #	Truss ID	Date
1	J1909904	CJ1	11/14/07
2	J1909905	CJ3	11/14/07
3	J1909906	CJ5	11/14/07
4	J1909907	EJ7	11/14/07
5	J1909908	HJ9	11/14/07
6	J1909909	T01	11/14/07
7	J1909910	T01G	11/14/07
8	J1909911	T02	11/14/07
9	J1909912	T02G	11/14/07
10	J1909913	T04	11/14/07
11	J1909914	T05	11/14/07
12	J1909915	T06	11/14/07
13	J1909916	T07	11/14/07
14	J1909917	T08	11/14/07
15	J1909918	T09	11/14/07
16	J1909919	T10	11/14/07
17	J1909920	T11	11/14/07
18	J1909921	T12	11/14/07
19	J1909922	T13	11/14/07
20	J1909923	T14	11/14/07
21	J1909924	T15	11/14/07
22	J1909925	T16	11/14/07
23	J1909926	T17	11/14/07
24	J1909927	T18	11/14/07
25	J1909928	T19	11/14/07





Project Information for: L260930

Builder: GIEBEIG HOMES Lot: 22

Subdivision: CANNON CREEK PLACE

County: COLUMBIA

Truss Count: 25

Design Program: MiTek 20/20 6.3
Building Code: FBC2004/TPl2002
Truss Design Load Information:
Gravity: Wind:

Roof (psf): 42.0 Wind Standard: ASCE 7-02 Wind Exposure: B

Floor (psf): N/A Wind Speed (mph): 110

Note: See the individual truss drawings for special loading conditions.

Contractor of Record, responsible for structural engineering:

Brian T. Giebeig Florida Registered Residential Contractor License No. RR282811523

November 14,2007

Address: Trent Giebeig Construction, Inc. 462 Southwest Fairlington Court Lake City, Florida 32025

Truss Design Engineer: Julius Lee, PE Florida P.E. License No. 34869

Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

#### Notes:

 Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-2002 Section 2.2

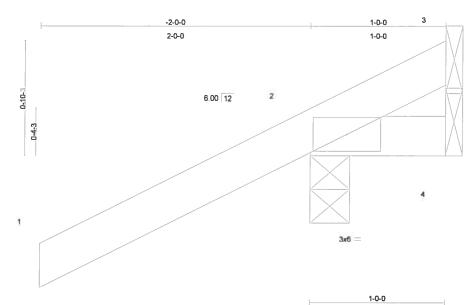
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.

3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elelments in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

No.	Drwg. #	Truss ID	Date
1	J1909904	CJ1	11/14/07
2	J1909905	CJ3	11/14/07
3	J1909906	CJ5	11/14/07
4	J1909907	EJ7	11/14/07
5	J1909908	HJ9	11/14/07
6	J1909909	T01	11/14/07
7	J1909910	T01G	11/14/07
8	J1909911	T02	11/14/07
9	J1909912	T02G	11/14/07
10	J1909913	T04	11/14/07
11	J1909914	T05	11/14/07
12	J1909915	T06	11/14/07
13	J1909916	T07	11/14/07
14	J1909917	T08	11/14/07
15	J1909918	T09	11/14/07
16	J1909919	T10	11/14/07
17	J1909920	T11	11/14/07
18	J1909921	T12	11/14/07
19	J1909922	T13	11/14/07
20	J1909923	T14	11/14/07
21	J1909924	T15	11/14/07
22	J1909925	T16	11/14/07
23	J1909926	T17	11/14/07
24	J1909927	T18	11/14/07
25	J1909928	T19	11/14/07

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	CJ1	MONO TRUSS	10	1		J1909904
1200000	001	Works Treas	10	· '	Job Reference (optional)	

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LOADING (psf) **SPACING** 2-0-0 CSI **DEFL** L/d **PLATES GRIP** in (loc) I/defl 20.0 TCLL Plates Increase 1.25 TC 0.28 Vert(LL) -0.00 >999 360 MT20 244/190 TCDL Lumber Increase 7.0 1.25 BC 0.01 -0.00 2 >999 240 Vert(TL) **BCLL** 10.0 Rep Stress Incr WB 0.00 YES Horz(TL) 0.00 3 n/a n/a **BCDL** Code FBC2004/TPI2002 (Matrix) Weight: 7 lb

LUMBER

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

TOP CHORD

Structural wood sheathing directly applied or

1-0-0 oc purlins.

1-0-0

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (lb/size) 2=256/0-3-8, 4=5/Mechanical, 3=-90/Mechanical

Max Horz 2=87(load case 6)

Max Uplift 2=-286(load case 6), 4=-9(load case 4), 3=-90(load case 1) Max Grav 2=256(load case 1), 4=14(load case 2), 3=127(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-69/75

BOT CHORD 2-4=0/0

#### **JOINT STRESS INDEX**

2 = 0.14

#### **NOTES**

- Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 286 lb uplift at joint 2, 9 lb uplift at joint 4 and 90 lb uplift at joint 3. Continued on page 2

Trust Copran Engineer Flanda Fill School Back 1400 Chamai Bay Mud Bayton Macan E Sugar

November 14,2007

Scale: 1.5"=1"

▲ Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	CH	MONO TRUSS	10	4		J1909904
L200930	CJT	MONO TROSS	10	'	Job Reference (optional)	

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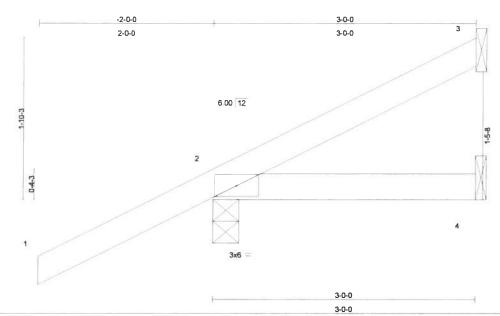
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	1400000
L260930	CJ3	MONO TRUSS	10	1		J1909905
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Nov 14 14:01:57 2007 Page 1



LOADING (psf) **SPACING** 2-0-0 CSI **DEFL** L∕d **PLATES GRIP** in (loc) I/defl **TCLL** 20.0 Plates Increase 1.25 TC 0.29 Vert(LL) 0.01 2-4 >999 360 MT20 244/190 **TCDL** Lumber Increase BC 240 7.0 1.25 0.08 >999 Vert(TL) -0.01 2-4 **BCLL** 10.0 Rep Stress Incr **WB** 0.00 YES Horz(TL) -0.003 n/a n/a **BCDL** Code FBC2004/TPI2002 Weight: 13 lb 5.0 (Matrix)

**LUMBER** 

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

**BRACING** 

**TOP CHORD** 

Structural wood sheathing directly applied or

3-0-0 oc purlins.

**BOT CHORD** 

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

REACTIONS (lb/size) 3=31/Mechanical, 2=250/0-3-8, 4=14/Mechanical

Max Horz 2=132(load case 6)

Max Uplift 3=-28(load case 7), 2=-238(load case 6), 4=-27(load case 4) Max Grav 3=31(load case 1), 2=250(load case 1), 4=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-57/7

**BOT CHORD** 2-4=0/0

#### **JOINT STRESS INDEX**

2 = 0.13

#### **NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 28 lb uplift at joint 3, 238 lb uplift at joint 2 and 27 lb uplift at joint 4. Continued on page 2

November 14,2007

Scale = 1:12.5



This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MITek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handing Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
						J1909905
L260930	CJ3	MONO TRUSS	10	1		
					Job Reference (optional)	

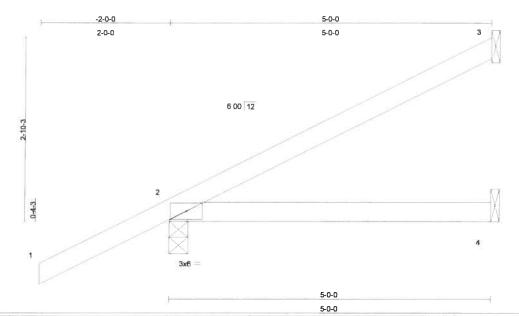
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LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	14000000
L260930	CJ5	MONO TRUSS	10	1		J1909906
					Job Reference (optional)	

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LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.09	2-4	>663	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.05	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)	, ,					Weight: 19 lb	

LUMBER

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

TOP CHORD

Structural wood sheathing directly applied or

5-0-0 oc purlins.

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc

bracing.

REACTIONS (lb/size) 3=103/Mechanical, 2=295/0-3-8, 4=24/Mechanical

Max Horz 2=178(load case 6)

Max Uplift 3=-87(load case 6), 2=-260(load case 6), 4=-46(load case 4) Max Grav 3=103(load case 1), 2=295(load case 1), 4=72(load case 2)

FORCES (Ib) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-88/36

BOT CHORD 2-4=0/0

#### **JOINT STRESS INDEX**

2 = 0.14

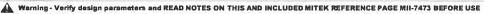
#### **NOTES**

- Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 87 lb uplift at joint 3, 260 lb uplift at joint 2 and 46 lb uplift at joint 4. Continued on page 2

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November 14,2007

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This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building ode. For general guidance regarding storage, delivery, erection and bracing, consult BCS-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	CJ5	MONO TRUSS	10	1	J19	909906
220000	000	Nicito integer	10	'	Job Reference (optional)	

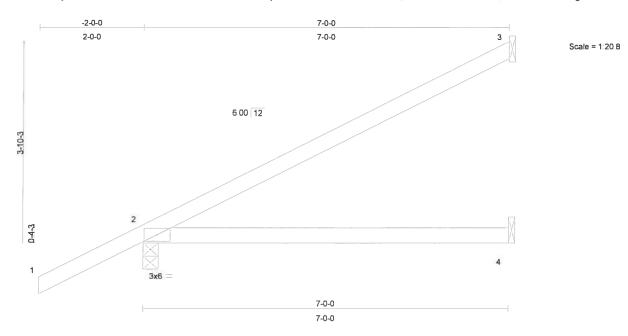
6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Nov 14 14:01:57 2007 Page 2

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	EJ7	MONO TRUSS	16	1		J1909907
					Job Reference (optional)	

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LOADIN TCLL TCDL BCLL BCDL	VG (psf) 20.0 7.0 10.0 5.0	SPACING Plates Increase Lumber Increase * Rep Stress Incr Code FBC2004/T	2-0-0 1.25 1.25 YES PI2002	CSI TC BC WB (Mat	0.50 0.45 0.00 rix)	DEFL Vert(LL) Vert(TL) Horz(TL)	in 0.33 -0.16 -0.00	(loc) 2-4 2-4 3	l/defi >250 >501 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 26 l	<b>GRIP</b> 244/190
LUMBE TOP CH BOT CH	IORD 2)	( 4 SYP No.2 ( 4 SYP No.2				BRACING TOP CHO BOT CHO	RD	oc purl	ins.	,	g directly applie	

REACTIONS (lb/size) 3=154/Mechanical, 2=352/0-3-8, 4=45/Mechanical

Max Horz 2=161(load case 6)

Max Uplift 3=-94(load case 6), 2=-224(load case 6), 4=-65(load case 5) Max Grav 3=154(load case 1), 2=352(load case 1), 4=94(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-131/54

BOT CHORD 2-4=0/0

#### **JOINT STRESS INDEX**

2 = 0.58

#### NOTES

 Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

Judinam Laser Pering Compagn Cingdens of Plansing Pill Pill Independ 1 (190) Consensed Francy Pillord 13 (190) Consensed Francy Pillord 13 (190)

November 14,2007

Continued on page 2

Marning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building ode. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, Wi 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, Wi 53719



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	EJ7	MONO TRUSS	16	1		J1909907
220000		Morro Treas	10		Job Reference (optional)	

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#### **NOTES**

- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 94 lb uplift at joint 3, 224 lb uplift at joint 2 and 65 lb uplift at joint 4.

LOAD CASE(S) Standard

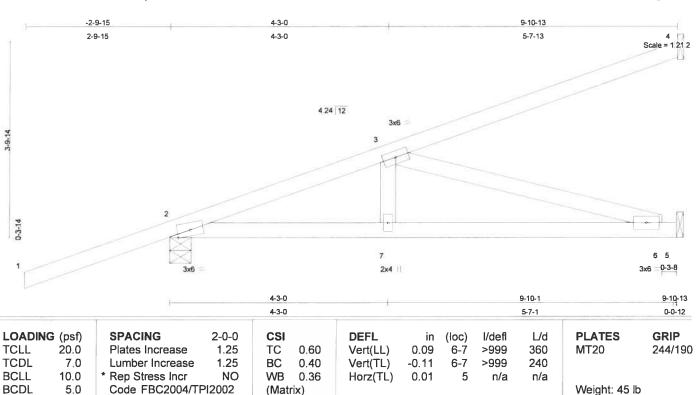




Job Qty Ply GIEBEIG HOMES - LOT 22 CCP Truss Truss Type J1909908 L260930 HJ9 MONO TRUSS 5 1 Job Reference (optional)

Builders FirstSource, Lake City, FI 32055

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LUMBER TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

**WEBS** 2 X 4 SYP No.3 **BRACING** 

TOP CHORD

Structural wood sheathing directly applied or

6-0-0 oc purlins.

**BOT CHORD** 

Rigid ceiling directly applied or 7-11-7 oc

bracing.

**REACTIONS** (lb/size) 4=267/Mechanical, 2=453/0-4-15, 5=220/Mechanical

Max Horz 2=269(load case 3)

Max Uplift 4=-233(load case 3), 2=-399(load case 3), 5=-183(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/50, 2-3=-650/365, 3-4=-105/65 **BOT CHORD** 2-7=-538/603, 6-7=-538/603, 5-6=0/0

**WEBS** 

3-7=-89/186, 3-6=-627/559

#### **JOINT STRESS INDEX**

2 = 0.76, 3 = 0.22, 6 = 0.17 and 7 = 0.13

#### **NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 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 233 Ib uplift at joint 4, 399 lb uplift at joint 2 and 183 lb uplift at joint 5.

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Continued on page 2

Marning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MTek connector. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	HJ9	MONO TRUSS	5	1		J1909908
2200330	1103	WONG TROOS	J	1	Job Reference (optional)	

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#### **NOTES**

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

#### LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-2=-54

Trapezoidal Loads (plf)

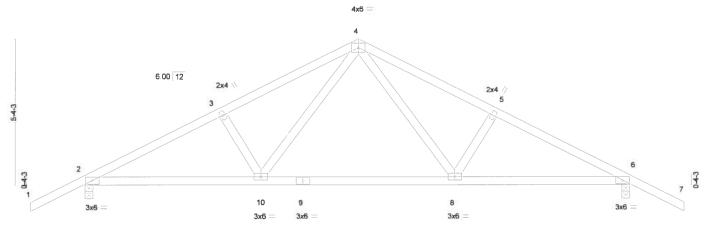
Vert: 2=-3(F=26, B=26)-to-4=-134(F=-40, B=-40), 2=-0(F=5, B=5)-to-5=-25(F=-7, B=-7)

Andreas Longs
Transpa Compagnical Environment
Palage Miller Folia: Districts
F Coco Compagnical Princip Princip
F Coco Compagnical Princip Princip



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP
					J1909909
L260930	T01	COMMON	6	1	
					Job Reference (optional)
Builders FirstSi	ource, Lake City, FL:	32055 6.3	00 s Feb 15 2006 Mi	iTek Ind	ustries, Inc. Wed Nov 14 14:01:59 2007 Page 1





	6-5-5				7-1-6				6-5-5			
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	0.24	8-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.37	8-10	>646	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.21	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)	` '					Weight: 96 lb	

13-6-11

**LUMBER** 

TOP CHORD 2 X 4 SYP No.2

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

**BRACING** 

TOP CHORD

Structural wood sheathing directly applied or

4-10-10 oc purlins.

**BOT CHORD** 

Rigid ceiling directly applied or 8-0-12 oc

20-0-0

bracing.

**REACTIONS** (lb/size) 2=960/0-3-8, 6=960/0-3-8

Max Horz 2=-95(load case 7)

6-5-5

Max Uplift 2=-292(load case 6), 6=-292(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-1581/841, 3-4=-1449/848, 4-5=-1449/848, 5-6=-1581/841, 6-7=0/47

**BOT CHORD** 2-10=-584/1341, 9-10=-303/912, 8-9=-303/912, 6-8=-584/1341 **WEBS** 3-10=-202/195, 4-10=-315/598, 4-8=-315/598, 5-8=-202/195

#### **JOINT STRESS INDEX**

Continued on page 2

2 = 0.69, 3 = 0.33, 4 = 0.57, 5 = 0.33, 6 = 0.69, 8 = 0.42, 9 = 0.52 and 10 = 0.42

#### **NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp. B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 292 lb uplift at joint 2 and 292 lb uplift at joint 6.

November 14,2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	T01	COMMON	6	1		J1909909
L200330	101	COMMON	Ŭ	i i	Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Nov 14 14:01:59 2007 Page 2

#### **NOTES**

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

#### LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-4=-54, 4-7=-54, 2-10=-10, 8-10=-70(F=-60), 6-8=-10



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
1 260930	T01G	GABLE	1	1		J1909910
L200330	1010	GABLE		l '	Job Reference (optional)	

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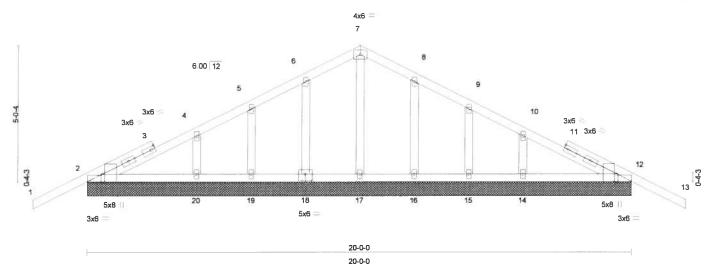


Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-0-8,Edge], [12:0-3-8,Edge], [12:0-0-8,Edge], [18:0-3-0,0-3-0] LOADING (psf) **SPACING** 2-0-0 CSI **DEFL** (loc) I/defl L/d **PLATES GRIP** MT20 120 244/190 20.0 1.25 TC 0.49 Vert(LL) -0.03TCLL Plates Increase 13 n/r 0.07 90 1.25 BC Vert(TL) -0.0613 n/r TCDL 7.0 Lumber Increase **BCLL** 10.0 Rep Stress Incr NO WB 0.09 Horz(TL) 0.00 12 n/a n/a **BCDL** Code FBC2004/TPI2002 Weight: 105 lb 5.0 (Matrix)

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

**BRACING** 

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

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

**REACTIONS** (lb/size) 2=507/20-0-0, 12=507/20-0-0, 17=250/20-0-0, 18=259/20-0-0,

19=210/20-0-0, 20=367/20-0-0, 16=259/20-0-0, 15=210/20-0-0,

14=367/20-0-0

Max Horz 2=104(load case 6)

Max Uplift 2=-253(load case 6), 12=-270(load case 7), 18=-117(load case 6),

19=-119(load case 6), 20=-135(load case 6), 16=-116(load case 7),

15=-119(load case 7), 14=-139(load case 7)

Max Grav 2=507(load case 10), 12=507(load case 11), 17=250(load case 1),

18=263(load case 10), 19=210(load case 1), 20=368(load case 10),

16=263(load case 11), 15=210(load case 1), 14=368(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-22/99, 2-3=-87/43, 3-4=-67/96, 4-5=-54/92, 5-6=-40/137, 6-7=-46/192,

7-8=-46/192, 8-9=-40/137, 9-10=-54/85, 10-11=-24/96, 11-12=-87/24, 12-13=-22/99

**BOT CHORD** 2-20=-9/129, 19-20=-9/129, 18-19=-9/129, 17-18=-9/129, 16-17=-9/129,

15-16=-9/129, 14-15=-9/129, 12-14=-9/129

7-17=-231/7, 6-18=-241/175, 5-19=-196/169, 4-20=-333/225, 8-16=-241/175, **WEBS** 

9-15=-196/169, 10-14=-333/225

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	T01G	GABLE	1	1		J1909910
L200930	1010	GABLE	•	'	Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Nov 14 14:02:01 2007 Page 2

#### **JOINT STRESS INDEX**

2 = 0.63, 2 = 0.18, 3 = 0.00, 3 = 0.39, 3 = 0.40, 4 = 0.33, 5 = 0.33, 6 = 0.33, 7 = 0.24, 8 = 0.33, 9 = 0.33, 10 = 0.33, 11 = 0.00, 11 = 0.40, 11 = 0.39, 12 = 0.63, 12 = 0.18, 14 = 0.33, 15 = 0.33, 16 = 0.33, 17 = 0.33, 18 = 0.19, 19 = 0.33 and 20 = 0.33

#### **NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; 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 stude exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- 4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 253 lb uplift at joint 2, 270 lb uplift at joint 12, 117 lb uplift at joint 18, 119 lb uplift at joint 19, 135 lb uplift at joint 20, 116 lb uplift at joint 16, 119 lb uplift at joint 15 and 139 lb uplift at joint 14.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

 Regular: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-7=-114(F=-60), 7-13=-114(F=-60), 2-12=-10

Julius Lame Teaste Elegación Cocamago Fluvida Mis Pio Salistin Ligos Comental May Allori Novoton Usaco, le Suasio



Job	Truss	Truss Typ	ре	Qty	Ply	GIE	BEIG HO	MES - LO	T 22 CCP	J1909911
L260930	T02	СОММО	N	2		1	Deferen	e Ventional		
Builders FirstSource	e, Lake City, FI 32055		6.300	s Feb 15 2006 I	MiTek I	ndustrie	s, Inc. V	e (optional led Nov 14	)   14:02:02 20	07 Page 1
-2-0-0	5-0-7	0-0-0	16-0-0	22-0	Ŀ∩		26-11-9		32-0-0	34-0-0
2-0-0		-11-9	6-0-0	6-0			4-11-9		5-0-7	2-0-0 Scale = 1 63.2
			6 00 12	5x6 =						Scale = 1 63.2
E-1-1-2 2 2 2 3 3 4 6 = 3	2x4 \\ 3 \\ 14	5x6	13 12	5	11	5x6 6	11	2x4 // 7	3x6	0.443
<u> </u>	3x6 =	12-0-0 5-6-11	6x8 = 3x6 =	19-10-4 7-8-8	6x8 =	25-6-1 5-8-7	1 +		2-0-0 -5-5	
Plate Offsets (X,Y	<u>):</u> [4:0-3-0,0-3-0], [6	:0-3-0,0-3-0	0]							
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 10.0 BCDL 5.0	SPACING Plates Increase Lumber Increase * Rep Stress Incr Code FBC2004/T	2-0-0 1.25 1.25 NO PI2002	CSI TC 0.36 BC 0.44 WB 1.00 (Matrix)	DEFL Vert(LL) Vert(TL) Horz(TL)		(loc) 10-11 10-11 8	I/defl >999 >999 n/a	L/d 360 240 n/a	PLATES MT20 Weight: 17	<b>GRIP</b> 244/19
LUMBER TOP CHORD 2) BOT CHORD 2) WEBS 2)		,		BRACING TOP CHOR BOT CHOR WEBS		5-6-12 Rigid of bracing T-Brac	oc purlin eiling dir g. e:	is. ectly appl	g directly applied or 6-0-0 of 2 X 4 SYP 5-13 narrow edge	no.3 -

**REACTIONS** (lb/size) 2=291/0-3-8, 13=1510/0-3-8, 8=803/0-3-8

Max Horz 2=130(load case 6)

Max Uplift 2=-241(load case 6), 13=-619(load case 6), 8=-329(load case 7) Max Grav 2=350(load case 10), 13=1510(load case 1), 8=816(load case 11)

FORCES (lb) - Maximum Compression/Maximum Tension

1-2=0/47, 2-3=-218/199, 3-4=-84/235, 4-5=-273/563, 5-6=-576/516, 6-7=-1113/856, TOP CHORD

7-8=-1245/849, 8-9=0/47

**BOT CHORD** 2-14=-160/139, 13-14=-286/429, 12-13=0/264, 11-12=0/264, 10-11=-236/655,

8-10=-589/1045

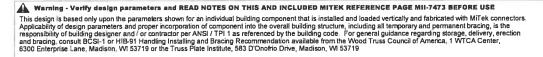
**WEBS** 3-14=-230/235, 4-14=-572/318, 4-13=-435/549, 5-13=-1184/879, 5-11=-708/821,

6-11=-529/494, 6-10=-447/513, 7-10=-198/189

Admin Lawr Trans Espace Engancer Alemain Fil No Schlich 1400 Common Hay Must Woviton weets Fil 1884 15

#### JOINT STRESS INDEX

Continued 62 33, 4 = 0.59, 5 = 0.63, 6 = 0.59, 7 = 0.33, 8 = 0.62, 10 = 0.42, 11 = 0.27, 12 = 0.26, 13 = 0.27 and 14 = 0.42 ember 14,2007





Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	J1909911
L260930	T02	COMMON	2	1		01000011
					Job Reference (optional)	

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#### **NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 241 lb uplift at joint 2, 619 lb uplift at joint 13 and 329 lb uplift at joint 8.
- 6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

 Regular: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-5=-54, 5-9=-54, 2-11=-10, 10-11=-70(F=-60), 8-10=-10

uls elin em. Lumen Tiera jampa di Bergeraman di enggerman ene di le resolute 1991 di 1900, 190-11 eschip Il è 6000 (Cumun en un listeman) d'Alband



Job	Truss	Truss Ty	ре	Qty	Ply	GIEBEIG HO	MES - LC	T 22 CCP	J1909912
L260930	T02G	GABLE		1	1	lab Def	_ V_=41	IN.	J 1503312
Builders FirstSource	Lake City, FI 320	55	6.300	s Feb 15 2006 N	/liTek Ind	Job Reference dustries, Inc. W			)7 Page 1
-2-0-0	5-0-7	10-0-0	16-0-0		26.	11-9		32-0-0	34-0-0
2-0-0	5-0-7	4-11-9	6-0-0			11-9		5-0-7	2-0-0 Scale = 1:62.1
				8x10					State = 1.02.1
				6					
98	6.0 x6 \\ 4	10x1	4 = 31			3x6 // 4x10 // 7 8 3x6 //	10-0-0 5 // 4x16 // 3x6 //	x6 // 3x6 // >> 3x6 //	1
3		3x8					17	The same of the sa	10
<b>1</b> 2	# ¥			5	121		tr .		11 4
5x12 MT20H	10	3 3 =	15 14		13 3x6 =		12 x6 ==	5x12 MT2	0H = ✓
	300	0,—	12x14 = 5x6 =		380 —	3,	KO		
	6-5-5	12-0-0	12-1-12	19-10-4		25-6-11		32-0-0	
	6-5-5	5-6-11	0-1-12	7-8-8	i	5-8-7		6-5-5	1
Plate Offsets (X,Y):	[2:0-3-12,0-3-0	], [8:0-8-8,0-2	2-0], [10:0-3-4,0-2	2-12], [14:0-3-0	,0-3-0]				
COADING (psf) FCLL 20.0 FCDL 7.0 BCLL 10.0 BCDL 5.0	SPACING Plates increase Lumber increas * Rep Stress incr Code FBC2004	ie 1.25 NO	CSI TC 0.62 BC 0.51 WB 0.86 (Matrix)	DEFL Vert(LL) Vert(TL) Horz(TL)	in 0.22 1: -0.19 1: 0.03		L/d 360 240 n/a	PLATES MT20 MT20H Weight: 26	<b>GRIP</b> 244/19 187/14
	0000 1 00200 1		(Wild IX)	DDAONO					
SOT CHORD 2 X	2 X 4 SYP No.2, 7		'P No.2	BRACING TOP CHORI	6 D F	Structural wood i-0-0 oc purlins Rigid ceiling dir oracing.	<b>5</b> .		
	4 SYP No.3			WEBS		-Brace:		2 X 4 SYP	No.3 -
					v n	Fasten T and I with 10d Comm ninimum end d Brace must cov	ion wire r istance.	nails, 9in o.c.,\	
,	ze) 2=711/0-3- Horz 2=-144(load		3-8, 15=2624/0-3	-8					
Max	Uplift 2=-597(load	d case 6), 10							
Max	Grav 2=753(load	l case 10), 10	=977(load case	11), 15=2624(k	oad cas	e 1)			
6-3	2=-60/100, 2-3=-5 31=-718/920, 6-7=	73/678, 3-4=	-494/636, 4-5=-2						
10	-11=0/47					25/4060			
	6=-450/442, 15-1 -12=-955/1361 6=-487/565, 5-16		14-15=-6/281, 13						

Continued on page 2

November 14,2007



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	T02G	GABLE	1	1	J.	1909912
L200930	1020	CABLE	<u>'</u>		Job Reference (optional)	

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#### JOINT STRESS INDEX

2 = 0.63, 2 = 0.20, 3 = 0.00, 3 = 0.84, 4 = 0.33, 5 = 0.35, 6 = 0.55, 7 = 0.00, 8 = 0.92, 8 = 0.58, 8 = 0.58, 8 = 0.58, 8 = 0.58, 8 = 0.58, 9 = 0.16, 9 = 0.48, 9 = 0.48, 9 = 0.48, 10 = 0.57, 12 = 0.39, 13 = 0.85, 14 = 0.19, 15 = 0.48, 16 = 0.39, 17 = 0.33, 18 = 0.41, 19 = 0.33, 18 = 0.48, 19 = 0.33, 19 = 0.3

#### **NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
- 4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All plates are MT20 plates unless otherwise indicated.
- 6) All plates are 2x4 MT20 unless otherwise indicated.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 597 lb uplift at joint 2, 583 lb uplift at joint 10 and 1633 lb uplift at joint 15.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-31=-114(F=-60), 6-31=-141(F=-87), 6-7=-141(F=-87), 7-11=-54, 2-13=-10, 12-13=-70(F=-60), 10-12=-10

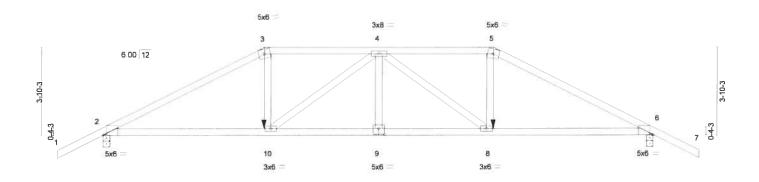
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	T04	HIP	1	1		J1909913
2200000	104		ľ		Job Reference (optional)	

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		7-0-0					- 0			1.0.0		
Plate Of	ffsets (X,Y	'): [2:0-1-11,Edge], [6	6:0-1-11,E	dge], [9	:0-3-0,0-	3-0]						
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.15	9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.29	9-10	>975	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.43	Horz(TL)	0.11	6	n/a	n/a		
BCDL	5.0	Code FBC2004/Ti	PI2002	(Mat	rix)						Weight: 112 lb	

12-0-0

5-0-0

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

BRACING

**BOT CHORD** 

17-0-0

5-0-0

TOP CHORD Structural wood sheathing directly applied or

3-4-0 oc purlins.

Rigid ceiling directly applied or 6-5-3 oc bracing.

24-0-0

7-0-0

**REACTIONS** (lb/size) 2=1660/0-3-8, 6=1660/0-3-8

Max Horz 2=77(load case 5)

7-0-0

7-0-0

Max Uplift 2=-548(load case 5), 6=-548(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-3005/935, 3-4=-2634/871, 4-5=-2634/871, 5-6=-3005/935, 6-7=0/47

BOT CHORD 2-10=-797/2599, 9-10=-960/3096, 8-9=-960/3096, 6-8=-764/2599

WEBS 3-10=-260/902, 4-10=-683/273, 4-9=0/175, 4-8=-683/272, 5-8=-260/902

#### JOINT STRESS INDEX

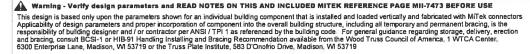
2 = 0.73, 3 = 0.77, 4 = 0.56, 5 = 0.77, 6 = 0.73, 8 = 0.57, 9 = 0.72 and 10 = 0.57

#### **NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
- 3) Provide adequate drainage to prevent water ponding.
- 4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Continued on page 2

Turney III





Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	T04	HIP	1	1		J1909913
					Job Reference (optional)	

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#### **NOTES**

- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 548 lb uplift at joint 2 and 548 lb uplift at joint 6.
- 7) Girder carries hip end with 7-0-0 end setback.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

#### LOAD CASE(S) Standard

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

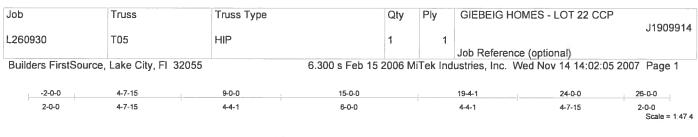
Uniform Loads (plf)

Vert: 1-3=-54, 3-5=-118(F=-64), 5-7=-54, 2-10=-10, 8-10=-22(F=-12), 6-8=-10

Concentrated Loads (lb)

Vert: 10=-411(F) 8=-411(F)





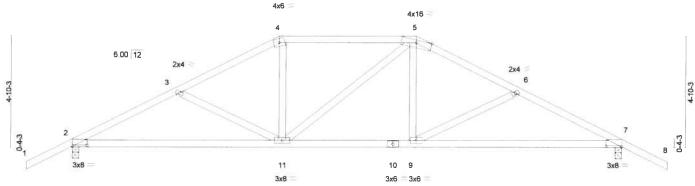


Plate Of	ffsets (X,Y	(): [2:0-8-0,0-0-10], [	7:0-8-0,0-0	)-10]								
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.15	`7-9	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.28	7-9	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002 (Mati		rix)	` ′					Weight: 119 lb		

15-0-0

6-0-0

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

#### BRACING TOP CHORD

Structural wood sheathing directly applied or

5-4-11 oc purlins.

BOT CHORD Rigid ceiling directly applied or 9-1-3 oc bracing.

24-0-0

9-0-0

**REACTIONS** (lb/size) 2=875/0-3-8, 7=875/0-3-8

Max Horz 2=-89(load case 7)

9-0-0

9-0-0

Max Uplift 2=-244(load case 6), 7=-244(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-1331/705, 3-4=-1092/599, 4-5=-940/592, 5-6=-1092/599,

6-7=-1331/705, 7-8=0/47

BOT CHORD 2-11=-466/1130, 10-11=-283/939, 9-10=-283/939, 7-9=-466/1130

WEBS 3-11=-219/206, 4-11=-41/263, 5-11=-111/111, 5-9=-41/263, 6-9=-219/206

#### JOINT STRESS INDEX

Colive deadsn page 2

2 = 0.67, 3 = 0.33, 4 = 0.58, 5 = 0.92, 6 = 0.33, 7 = 0.67, 9 = 0.34, 10 = 0.41 and 11 = 0.56

#### **NOTES**

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

2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

3) Provide adequate drainage to prevent water ponding.4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other

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November 14,2007

▲ Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building och. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



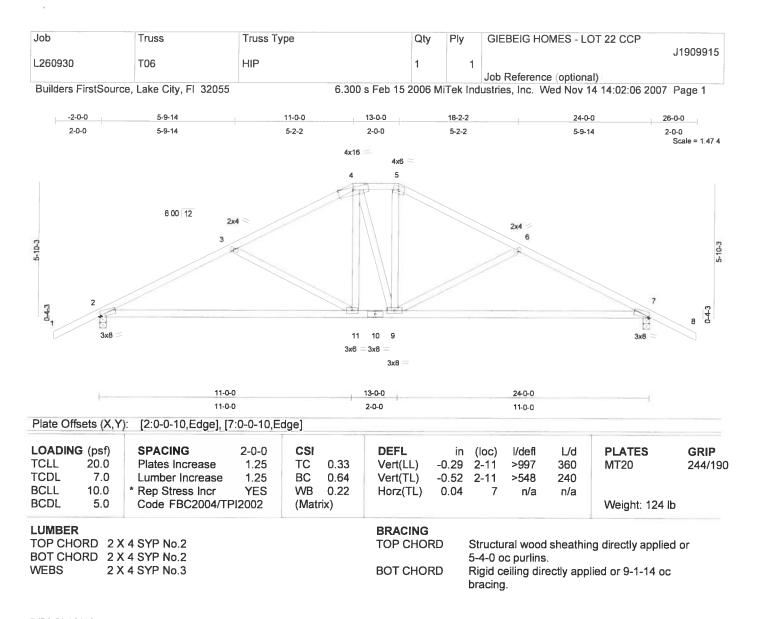
Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
					J19099	14
L260930	T05	HIP	1	1	202 66	
					Job Reference (optional)	
Builders FirstSour	rce Lake City EL:	32055	6 300 s Feb 15 2006 M	liTek Ind	Justries Inc. Wed Nov 14 14:02:05 2007, Page 2	

**NOTES** 

- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 244 lb uplift at joint 2 and 244 lb uplift at joint 7.

LOAD CASE(S) Standard





**REACTIONS** (lb/size) 2=875/0-3-8, 7=875/0-3-8

Max Horz 2=-101(load case 7)

Max Uplift 2=-256(load case 6), 7=-256(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-1303/715, 3-4=-974/560, 4-5=-815/561, 5-6=-975/560,

6-7=-1303/715, 7-8=0/47

BOT CHORD 2-11=-466/1101, 10-11=-200/813, 9-10=-200/813, 7-9=-466/1101

WEBS 3-11=-334/303, 4-11=-97/259, 5-9=-97/258, 6-9=-333/302, 4-9=-135/142

## **JOINT STRESS INDEX**

2 = 0.85, 3 = 0.33, 4 = 0.56, 5 = 0.49, 6 = 0.33, 7 = 0.84, 9 = 0.66, 10 = 0.78 and 11 = 0.34

## **NOTES**

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

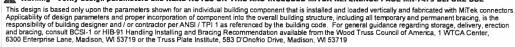
2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf, BCDL=3.0psf, Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

3) Provide adequate drainage to prevent water ponding.

4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other Colival leads, page 2

Jodines (2000) Prince (2000) Piccobike Mill File Delphone I (1964) 2 comment ling (4) Devices numbers I (1984)







Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	T06	HIP	1	1		J1909915
L200330	100	1 111	'		Job Reference (optional)	

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## **NOTES**

- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 256 lb uplift at joint 2 and 256 lb uplift at joint 7.

LOAD CASE(S) Standard



Job Truss Qty Ply GIEBEIG HOMES - LOT 22 CCP Truss Type J1909916 L260930 T07 COMMON 2 Job Reference (optional) Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Nov 14 14:02:07 2007 Page 1 -2-0-0 5-11-8 12-0-0 24-0-0 26-0-0 2-0-0 5-11-8 6-0-8 6-0-8 5-11-8 2-0-0 Scale = 1:46 6 4x6 = 4 6.00 12 2x4 2x4 43 10 8 3x6 3x6 3x6 3x6 15-10-7 24-0-0 7-8-15 8-1-9

**LUMBER** 

**TCLL** 

**TCDL** 

**BCLL** 

**BCDL** 

LOADING (psf)

TOP CHORD 2 X 4 SYP No.2

20.0

7.0

10.0

5.0

BOT CHORD 2 X 4 SYP No.2 **WEBS** 2 X 4 SYP No.3 **BRACING** 

**DEFL** 

Vert(LL)

Vert(TL)

Horz(TL)

TOP CHORD

Structural wood sheathing directly applied or

5-3-15 oc purlins.

I/defl

>999

>999

n/a

**BOT CHORD** 

Rigid ceiling directly applied or 9-2-11 oc

L/d

360

240

n/a

**PLATES** 

Weight: 114 lb

MT20

**GRIP** 

244/190

bracing.

(loc)

2-10

2-10

6

in

-0.09

-0.18

0.04

**REACTIONS** (lb/size) 2=875/0-3-8, 6=875/0-3-8

**SPACING** 

Plates Increase

Rep Stress Incr

Lumber Increase

Code FBC2004/TPI2002

Max Horz 2=107(load case 6)

Max Uplift 2=-260(load case 6), 6=-260(load case 7)

2-0-0

1.25

1 25

YES

CSI

TC

BC

**WB** 

(Matrix)

0.29

0.35

0.18

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-1318/708, 3-4=-1127/682, 4-5=-1127/682, 5-6=-1318/708, 6-7=0/47

**BOT CHORD** 

2-10=-460/1110, 9-10=-191/749, 8-9=-191/749, 6-8=-460/1110

**WEBS** 

3-10=-297/272, 4-10=-194/377, 4-8=-194/377, 5-8=-297/272

### **JOINT STRESS INDEX**

2 = 0.68, 3 = 0.33, 4 = 0.75, 5 = 0.33, 6 = 0.68, 8 = 0.41, 9 = 0.25 and 10 = 0.41

# **NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 260 Ib uplift at joint 2 and 260 lb uplift at joint 6. Continued on page 2

November 14,2007

Marning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	T07	COMMON	2	1		J1909916
L200330	107	COMMON	2	'	Job Reference (optional)	

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LOAD CASE(S) Standard



Job Truss Truss Type Qty Ply GIEBEIG HOMES - LOT 22 CCP J1909917 L260930 T08 SCISSORS 4 1 Job Reference (optional) Builders FirstSource, Lake City, FI 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Nov 14 14:02:08 2007 Page 1 6-4-15 12-0-0 17-7-1 24-0-0 26-0-0 6-4-15 5-7-1 5-7-1 6-4-15 2-0-0 4x6 3 6.00 12 3x6 3x6 5x8 2x4 2x4 3.00 12 3x6 3x6 6-4-15 12-0-0 17-7-1 24-0-0 6-4-15 5-7-1 6-4-15 LOADING (psf) **SPACING** 2-0-0 CSI **DEFL** I/defi Ľ/d **PLATES GRIP** in (loc) TCLL 20.0 Plates Increase 1.25 TC 0.35 244/190 Vert(LL) 0.22 7-8 >999 360 MT20 **TCDL** 7.0 Lumber Increase 1.25 BC 0.54 Vert(TL) -0.387-8 >746 240 **BCLL** 10.0 \* Rep Stress Incr 0.38 YES **WB** Horz(TL) 0.28 5 n/a n/a **BCDL** 5.0 Code FBC2004/TPI2002 (Matrix) Weight: 105 lb LUMBER **BRACING** 

TOP CHORD 2 X 4 SYP No.2

BOT CHORD 2 X 4 SYP No.2

**WEBS** 2 X 4 SYP No.3

TOP CHORD

Structural wood sheathing directly applied or

3-8-7 oc purlins.

**BOT CHORD** 

Rigid ceiling directly applied or 6-3-3 oc

bracing.

**REACTIONS** (lb/size) 1=753/0-3-8, 5=880/0-3-8

Max Horz 1=-119(load case 7)

Max Uplift 1=-165(load case 6), 5=-261(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD **BOT CHORD** 

1-2=-2455/1219, 2-3=-1722/793, 3-4=-1721/791, 4-5=-2402/1133, 5-6=0/46

1-9=-949/2184, 8-9=-946/2182, 7-8=-861/2129, 5-7=-858/2127

**WEBS** 

2-9=0/186, 2-8=-683/530, 3-8=-465/1175, 4-8=-630/446, 4-7=0/182

#### **JOINT STRESS INDEX**

1 = 0.75, 2 = 0.39, 3 = 0.57, 4 = 0.39, 5 = 0.75, 7 = 0.33, 8 = 0.66 and 9 = 0.33

# **NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. Continued on page 2

November 14,2007



This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building ode. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	T08	SCISSORS	4	1		J1909917
L200330	100	001000110	7		Job Reference (optional)	

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#### **NOTES**

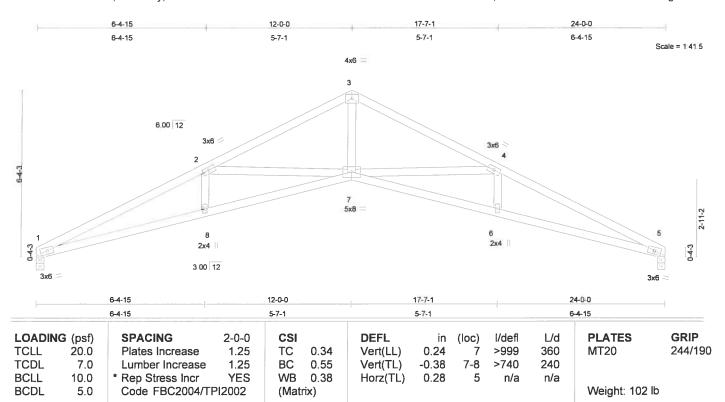
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 165 lb uplift at joint 1 and 261 lb uplift at joint 5.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	14000040
L260930	T09	SCISSORS	4	1		J1909918
					Job Reference (optional)	

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**LUMBER** 

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

2 X 4 SYP No.3

**WEBS** 

**BRACING** 

TOP CHORD

Structural wood sheathing directly applied or

3-8-4 oc purlins.

**BOT CHORD** 

Rigid ceiling directly applied or 5-9-1 oc

bracing.

**REACTIONS** (lb/size) 1=759/0-3-8, 5=759/0-3-8

Max Horz 1=-78(load case 4)

Max Uplift 1=-166(load case 6), 5=-166(load case 7)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-2477/1330, 2-3=-1742/905, 3-4=-1742/905, 4-5=-2477/1330 **BOT CHORD** 1-8=-1128/2204, 7-8=-1125/2202, 6-7=-1125/2202, 5-6=-1128/2204 2-8=0/186, 2-7=-684/528, 3-7=-571/1197, 4-7=-684/528, 4-6=0/186 **WEBS** 

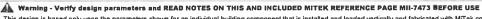
# JOINT STRESS INDEX

1 = 0.74, 2 = 0.39, 3 = 0.56, 4 = 0.39, 5 = 0.74, 6 = 0.33, 7 = 0.67 and 8 = 0.33

### **NOTES**

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf, BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Bearing at joint(s) 1, 5 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface. Continued on page 2

November 14,2007



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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	1909918
L260930	T09	SCISSORS	4	1	31	1909910
					Job Reference (optional)	

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#### **NOTES**

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 166 lb uplift at joint 1 and 166 lb uplift at joint 5.

LOAD CASE(S) Standard



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HO	MES - LOT	22 CCP	J1909919
_260930	T10	SPECIAL	1	1	let Deference	. /#IV		31909919
Builders FirstSou	ırce, Lake City, FI 32055	6.30	00 s Feb 15 2006 M		Job Reference stries, Inc. W			Page 1
-2-0-0	6-4-15	12-0-0	15-0-0		19-7-2		24-0-0	
2-0-0	6-4-15	5-7-1	3-0-0		4-7-2		4-4-14	Scale = 1 46 3
7	6 00 12	3x6 = 3	4	4x6 5		3x6 = 6	:	2x4    7
	3x6 =	11 2x4    3.00    12	10 5x8	9 <sub>3x6</sub>			3	9x 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2	3x6 = 6-4-15	2x4    3,00   12 12-0-0	5x8 = 15-0-0			24-0-0	3	8 SX 11-2
-0.4-3	3x6 =	2x4    3.00   12	5x8 =			24-0-0 9-0-0	3	8 SX 11-2

LUMBER

TOP CHORD 2 X 4 SYP No.2

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

BRACING

TOP CHORD **BOT CHORD**  Structural wood sheathing directly applied or

3-9-12 oc purlins, except end verticals. Rigid ceiling directly applied or 5-4-9 oc

bracing.

**REACTIONS** (lb/size) 8=753/0-3-8, 2=880/0-3-8

Max Horz 2=212(load case 6)

Max Uplift 8=-179(load case 7), 2=-252(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/46, 2-3=-2410/1327, 3-4=-1708/994, 4-5=-1659/1010, 5-6=-1737/989,

6-7=-43/1, 7-8=-103/68

**BOT CHORD** 2-11=-1352/2136, 10-11=-1357/2137, 9-10=-1056/1838, 8-9=-473/796

**WEBS** 3-11=0/195, 3-10=-635/438, 4-10=-684/1204, 5-10=-407/165, 5-9=-720/487,

6-9=-609/1108, 6-8=-1085/666

#### JOINT STRESS INDEX

2 = 0.75, 3 = 0.39, 4 = 0.56, 5 = 0.39, 6 = 0.62, 7 = 0.52, 8 = 0.64, 9 = 0.61, 10 = 0.65 and 11 = 0.33

# **NOTES**

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

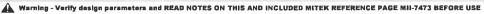
 Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf, BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

3) Provide adequate drainage to prevent water ponding.

4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

November 14,2007



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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	T10	SPECIAL	1	1		J1909919
L200930	110	or Loial	'	•	Job Reference (optional)	

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#### **NOTES**

- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Bearing at joint(s) 8, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 179 lb uplift at joint 8 and 252 lb uplift at joint 2.

LOAD CASE(S) Standard



Job	Truss	Truss Typ	oe .	Qty	Ply	GIEBEIG H	OMES - LOT	22 CCP	J1909920
.260930	T11	SPECIAL		1	1	Job Reference	oo (antional)		51303320
Builders FirstSour	ce, Lake City, FI 32055		6.300	s Feb 15 2006	MiTek Ind			14:02:10 2007	Page 1
-2-0-0	6-4-15		12-0-0	13-0-0	17-9-	9	24-	0-0	
2-0-0	6-4-15		5-7-1	1-0-0	4-9-9	9	6-2	2-8	Scale = 1.46.3
				4x6 =					
				4 4x6 = 5		2x4		3	3x6 =
1				PAR		6			7
	6.00 12								
	0.00   12	3x6 =							
10-3		3							
5-10-3									5-10-3
				10 5x8 =					2-11-2
2		11				9			2-1
4		2x4				3x8 =			
1 / 🖸	x6 ≡	3.00 12							8
								9	2x4
9	6-4-15		12-0-0	1	17-9-9		24-	0-0	
1	6-4-15		5-7-1		5-9-9		6-2	2-8	
OADING (psf)	SPACING	2-0-0	CSI	DEFL	in (	loc) I/defl	L/d	PLATES	GRIP
CLL 20.0	Plates Increase	1.25	TC 0.78	Vert(LL)	0.22 10		360	MT20	244/19
CDL 7.0 BCLL 10.0	* Rep Stress Incr	1.25 YES	BC 0.47 WB 0.60	Vert(TL) Horz(TL)	-0.31 10 0.20	-11 >921 8 n/a	240 n/a		
SCDL 5.0	Code FBC2004/Ti		(Matrix)	11012(11)	0.20	0 11/a		Weight: 129	lb
IMPED				BRACING					
UMBER	V 4 CVD No 2			TOP CHOP	D 6+	ruotural woo	d chaathina	directly appli	od or

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

2 X 4 SYP No.3 WEBS

**TOP CHORD BOT CHORD**  Structural wood sheathing directly applied or 3-9-11 oc purlins, except end verticals.

Rigid ceiling directly applied or 5-3-9 oc

bracing.

**REACTIONS** (lb/size) 8=753/0-3-8, 2=880/0-3-8

Max Horz 2=232(load case 6)

Max Uplift 8=-188(load case 5), 2=-248(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/46, 2-3=-2406/1320, 3-4=-1717/989, 4-5=-1593/984, 5-6=-880/511,

6-7=-880/511, 7-8=-725/441

**BOT CHORD** 2-11=-1400/2132, 10-11=-1403/2133, 9-10=-974/1588, 8-9=-15/41

3-11=0/183, 3-10=-617/435, 4-10=-623/1142, 5-10=-274/78, 5-9=-857/563, WEBS

6-9=-341/247, 7-9=-600/1030

#### **JOINT STRESS INDEX**

2 = 0.75, 3 = 0.39, 4 = 0.55, 5 = 0.32, 6 = 0.33, 7 = 0.59, 8 = 0.57, 9 = 0.95, 10 = 0.65 and 11 = 0.33

## **NOTES**

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

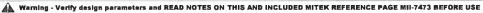
2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp. B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

3) Provide adequate drainage to prevent water ponding.

4) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

November 14,2007



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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	T11	SPECIAL	1	1		J1909920
L200330		OI LOIAL		'	Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Nov 14 14:02:10 2007 Page 2

#### **NOTES**

- 5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 6) Bearing at joint(s) 8, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 188 lb uplift at joint 8 and 248 lb uplift at joint 2.

LOAD CASE(S) Standard

Julius Los Trips Costan Endroce Horida Mis No. 3 4808 1400 Commissi Roy History



Job	Truss	Truss Typ	oe	Qty	Ply	GIE	BEIG HO	MES - LOT 2	2 CCP	J1909921
L260930	T12	SPECIAL		1		1 Job	Reference	e (optional)		
Builders FirstSource	e, Lake City, Fl 32055		6.300 s	s Feb 15 2006 I	MiTek Ir				:02:11 2007	Page 1
-2-0-0	6-4-15	4	13-0-0		18	3-4-0		24-0-	0	4
2-0-0	6-4-15	,	6-7-1	128	5	-4-0	10	5-8-	0	Scale = 1 46 1
				5x6			3x6 =		3x6	
				4			5		6	_
8-10-3 3x6	6.00 12	3x6 = 3 3 10 2x4    3 00    12		9 5x8 =			83x6			
-	<del>6-4</del> -15		12-0-0	1	18-4-	4		24-0-		<b>4</b>
,	6-4-15		5-7-1		6-4-4	ı	1	5-7-1	2	3
Plate Offsets (X,Y)	: [4:0-2-3,Edge]									
LOADING (psf) TCLL 20.0 TCDL 7.0 BCLL 10.0 BCDL 5.0	SPACING Plates Increase Lumber Increase * Rep Stress Incr Code FBC2004/TF	2-0-0 1.25 1.25 YES PI2002	CSI TC 0.37 BC 0.47 WB 0.53 (Matrix)	DEFL Vert(LL) Vert(TL) Horz(TL)	in 0.21 -0.29 0.18	(loc) 9-10 9-10 7	I/defl >999 >980 n/a	360 N 240 n/a	PLATES IT20 Veight: 132	<b>GRIP</b> 244/190
BOT CHORD 2 X	4 SYP No.2 4 SYP No.2 4 SYP No.3			BRACING TOP CHOR BOT CHOR WEBS	; D ;	3-9-14 Rigid of bracing T-Brac Faster with 10 minimu	oc purling directions  be:  T and I  Commonweight  Commonw	braces to na on wire nails	d verticals. or 5-1-15 od X 4 SYP Norrow edge o , 9in o.c.,wit	c c.3 - 6-7 f web

**REACTIONS** (lb/size) 7=753/0-3-8, 2=880/0-3-8

Max Horz 2=258(load case 6)

Max Uplift 7=-199(load case 5), 2=-247(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/46, 2-3=-2423/1338, 3-4=-1687/957, 4-5=-1329/881, 5-6=-643/382,

6-7=-728/452

BOT CHORD 2-10=-1471/2150, 9-10=-1476/2153, 8-9=-399/670, 7-8=-11/33

WEBS 3-10=0/178, 3-9=-645/498, 4-9=-174/436, 5-9=-575/791, 5-8=-690/490,

6-8=-513/861

**JOINT STRESS INDEX** 

2 = 0.75, 3 = 0.39, 4 = 0.59, 5 = 0.45, 6 = 0.52, 7 = 0.44, 8 = 0.59, 9 = 0.65 and 10 = 0.33

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP
L260930	T12	SPECIAL	4	4	J1909921
L200930	112	SPECIAL	'		Job Reference (optional)

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#### **NOTES**

- Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide adequate drainage to prevent water ponding.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Bearing at joint(s) 7, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 199 lb uplift at joint 7 and 247 lb uplift at joint 2.

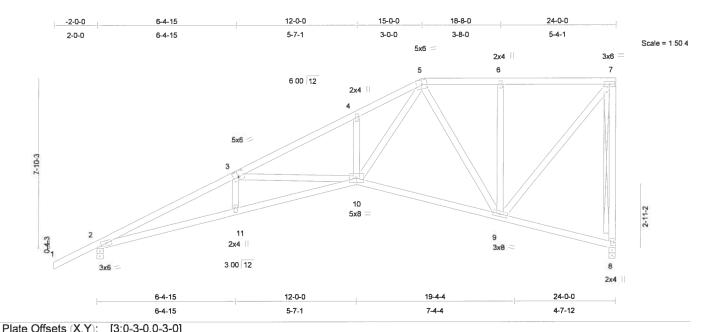
LOAD CASE(S) Standard

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Transmitters again it regardess
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP
L260930	T13	SPECIAL	2	1	J190992
L200330	113	Of EOI/IE			Job Reference (optional)

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Nov 14 14:02:12 2007 Page 1



1 late Of	13Ct3 (X, 1	). [3.0-3-0,0-3-0]				1						
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.Ó	Plates Increase	1.25	TC	0.38	Vert(LL)	0.22	10-11	>999	360	MT20	244/190
TCDL	7.0	Lumber increase	1.25	BC	0.47	Vert(TL)	-0.29	10-11	>967	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.18	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	PI2002	(Mat	rix)	, ,					Weight: 143 lb	

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

**BRACING** 

TOP CHORD Structural wood sheathing directly applied or 3-9-13 oc purlins, except end verticals.

**BOT CHORD** Rigid ceiling directly applied or 5-1-4 oc

bracing.

T-Brace: **WEBS** 

> Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in

2 X 4 SYP No.3 - 7-8

minimum end distance.

Brace must cover 90% of web length.

**REACTIONS** (lb/size) 8=753/0-3-8, 2=880/0-3-8

Max Horz 2=290(load case 6)

Max Uplift 8=-195(load case 5), 2=-247(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/46, 2-3=-2411/1325, 3-4=-1708/980, 4-5=-1683/1106, 5-6=-508/318,

6-7=-508/318, 7-8=-730/469

**BOT CHORD** 2-11=-1509/2137, 10-11=-1513/2140, 9-10=-546/808, 8-9=-8/29

**WEBS** 3-11=0/176, 3-10=-605/451, 4-10=-245/258, 5-10=-894/1261, 5-9=-533/409,

6-9=-272/197, 7-9=-490/779

**JOINT STRESS INDEX** 

2 = 0.75, 3 = 0.52, 4 = 0.33, 5 = 0.62, 6 = 0.33, 7 = 0.53, 8 = 0.39, 9 = 0.81, 10 = 0.65 and 11 = 0.33

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	T13	SPECIAL	2	1		J1909922
2200300	113	OI EOI/IE	_		Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Nov 14 14:02:12 2007 Page 2

#### **NOTES**

- Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide adequate drainage to prevent water ponding.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Bearing at joint(s) 8, 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 195 lb uplift at joint 8 and 247 lb uplift at joint 2.

LOAD CASE(S) Standard

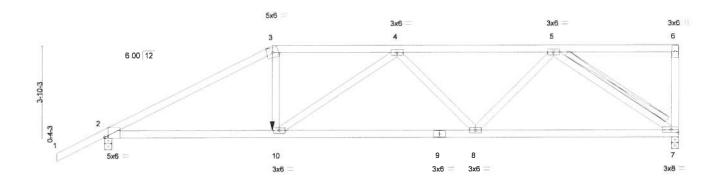
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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	J1909923
L260930	T14	MONO HIP	1	1		01303323
					Job Reference (optional)	

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7-0-0	15-6-0	24-0-0	-
7-0-0	8-6-0	8-6-1	
Plate Offsets (X,Y): [2:0-1-11,Edge]			

						1						
LOADIN	IG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.64	Vert(LL)	-0.14	8-10	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.37	8-10	>773	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.62	Horz(TL)	0.10	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TF	2002	(Mat	rix)	, ,					Weight: 117 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** 

Structural wood sheathing directly applied or TOP CHORD 3-3-4 oc purlins, except end verticals.

**BOT CHORD** 

Rigid ceiling directly applied or 6-1-2 oc

bracing.

**WEBS** 

T-Brace:

2 X 4 SYP No.3 - 5-7

Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in

minimum end distance.

Brace must cover 90% of web length.

**REACTIONS** (lb/size) 7=1693/0-3-8, 2=1619/0-3-8

Max Horz 2=163(load case 5)

Max Uplift 7=-584(load case 4), 2=-524(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

1-2=0/47, 2-3=-2927/932, 3-4=-2562/869, 4-5=-2568/836, 5-6=-74/5, 6-7=-255/127 TOP CHORD

**BOT CHORD** 2-10=-860/2527, 9-10=-1059/2965, 8-9=-1059/2965, 7-8=-726/2000

3-10=-244/831, 4-10=-493/287, 4-8=-585/329, 5-8=-162/840, 5-7=-2350/880 **WEBS** 

# **JOINT STRESS INDEX**

2 = 0.72, 3 = 0.73, 4 = 0.36, 5 = 0.70, 6 = 0.42, 7 = 0.53, 8 = 0.52, 9 = 0.94 and 10 = 0.53

### **NOTES**

1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf, BCDL=3.0psf, Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.

& hravide adequate drainage to prevent water ponding.

November 14,2007

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, Wi 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	T14	MONO HIP	1	1		J1909923
2200300	114	WOROTH			Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Nov 14 14:02:13 2007 Page 2

#### **NOTES**

- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 584 lb uplift at joint 7 and 524 lb uplift at joint 2.
- 6) Girder carries hip end with 0-0-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
- 7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

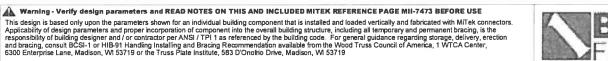
# LOAD CASE(S) Standard

 Regular: Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-3=-54, 3-6=-118(F=-64), 2-10=-10, 7-10=-22(F=-12)

Concentrated Loads (lb) Vert: 10=-411(F)

> Judinas Leen Trajas Liesasgen Cinganasan Plantida Pili Pala 18-186-15 1-8-190 Cenzestal Paga Miland Leonarian Leenaria 18-190 (1904)





Job	Truss	Truss Typ	е	Qty	Ply	GIE	BEIG HO	MES - LO	T 22 CCP	J1909924
_260930	T15	MONO HI	Р	1		1	Deferen	- Validana	IÑ.	
Builders FirstSource,	Lake City, FI 32055		6.300	s Feb 15 2006 N	/liTek l			e (optiona /ed Nov 14	ı) 4 14:02:13 2007	Page 1
	- -									_
-2-0-0 2-0-0	4-7-15 4-7-15	9-0-0 4-4-1	3	16-6-0 7-6-0		-		24-0- 7-6-0		
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	9-0-0 9-0-0						.11	24-0-1 7-6-0	3)	7
				3x 16-6-0			11		3)	7
3x6  Plate Offsets (X,Y):	9-0-0 [2:0-1-5,0-0-7]	2-0-0	3x8 =	3x 16-6-0 7-6-0	6 =	2x4		7-6-0	3) O	7 x6 =
Plate Offsets (X,Y):  OADING (psf)	9-0-0	2-0-0 1.25		16-6-0 7-6-0			l/defl >999		3)	7
Plate Offsets (X,Y):  OADING (psf) CLL 20.0	9-0-0 [2:0-1-5,0-0-7] <b>SPACING</b>		3x8 =  CSI TC 0.56 BC 0.38	16-6-0 7-6-0 DEFL Vert(LL)	6 = in	2x4 (loc)	l/defl	7-6-0 L/d	o PLATES	7 x6 =
Plate Offsets (X,Y):  OADING (psf) CLL 20.0 CDL 7.0 CLL 10.0	9-0-0 [2:0-1-5,0-0-7]  SPACING Plates Increase Lumber Increase * Rep Stress Incr	1.25 1.25 YES	3x8 =  CSI TC 0.56 BC 0.38 WB 0.44	16-6-0 7-6-0 DEFL Vert(LL)	in -0.13	(loc) 2-10	l/defl >999	7-6-0 L/d 360	PLATES MT20	GRIP 244/19
Plate Offsets (X,Y):  OADING (psf) CLL 20.0 CDL 7.0 CLL 10.0	9-0-0 [2:0-1-5,0-0-7]  SPACING Plates Increase Lumber Increase	1.25 1.25 YES	3x8 =  CSI TC 0.56 BC 0.38	16-6-0 7-6-0 DEFL Vert(LL) Vert(TL)	in -0.13	(loc) 2-10 2-10	l/defl >999 >999	L/d 360 240	o PLATES	GRIP 244/19
OADING (psf) CLL 20.0 CDL 7.0 CLL 10.0 CDL 5.0	9-0-0 [2:0-1-5,0-0-7]  SPACING Plates Increase Lumber Increase * Rep Stress Incr	1.25 1.25 YES	3x8 =  CSI TC 0.56 BC 0.38 WB 0.44	16-6-0 7-6-0 DEFL Vert(LL) Vert(TL)	in -0.13	(loc) 2-10 2-10	l/defl >999 >999	L/d 360 240	PLATES MT20	GRIP 244/19
Plate Offsets (X,Y): OADING (psf) CLL 20.0 CDL 7.0 CCLL 10.0 CCDL 5.0  UMBER	9-0-0 [2:0-1-5,0-0-7]  SPACING Plates Increase Lumber Increase * Rep Stress Incr Code FBC2004/TF	1.25 1.25 YES	3x8 =  CSI TC 0.56 BC 0.38 WB 0.44	16-6-0 7-6-0 DEFL Vert(LL) Vert(TL) Horz(TL)	in -0.13 -0.25 0.04	(loc) 2-10 2-10 7	l/defi >999 >999 n/a	L/d 360 240 n/a	PLATES MT20  Weight: 127	GRIP 244/19
Plate Offsets (X,Y):  OADING (psf) CLL 20.0 CDL 7.0 CCLL 10.0 CDL 5.0  UMBER OP CHORD 2 X 4 OT CHORD 2 X 4	9-0-0 [2:0-1-5,0-0-7]  SPACING Plates Increase Lumber Increase * Rep Stress Incr Code FBC2004/TF	1.25 1.25 YES	3x8 =  CSI TC 0.56 BC 0.38 WB 0.44	DEFL Vert(LL) Vert(TL) Horz(TL)  BRACING TOP CHOR	in -0.13 -0.25 0.04	(loc) 2-10 2-10 7 Structu 5-4-6 c	l/defi >999 >999 n/a aral wood	L/d 360 240 n/a sheathin, except	PLATES MT20  Weight: 127  og directly appliedend verticals.	GRIP 244/19
Plate Offsets (X,Y):  OADING (psf) CLL 20.0 CDL 7.0 CCLL 10.0 CCDL 5.0  UMBER OP CHORD 2 X 4 COT CHORD 2 X 4	9-0-0 [2:0-1-5,0-0-7]  SPACING Plates Increase Lumber Increase * Rep Stress Incr Code FBC2004/TF	1.25 1.25 YES	3x8 =  CSI TC 0.56 BC 0.38 WB 0.44	16-6-0 7-6-0  DEFL Vert(LL) Vert(TL) Horz(TL)	in -0.13 -0.25 0.04	(loc) 2-10 2-10 7 Structu 5-4-6 c Rigid c	l/defl >999 >999 n/a iral wood oc purlins eiling dire	L/d 360 240 n/a sheathin, except	PLATES MT20  Weight: 127	GRIP 244/19
Plate Offsets (X,Y):  OADING (psf) CLL 20.0 CDL 7.0 CCLL 10.0 CCDL 5.0  UMBER OP CHORD 2 X 4 COT CHORD 2 X 4	9-0-0 [2:0-1-5,0-0-7]  SPACING Plates Increase Lumber Increase * Rep Stress Incr Code FBC2004/TF	1.25 1.25 YES	3x8 =  CSI TC 0.56 BC 0.38 WB 0.44	JEFL Vert(LL) Vert(TL) Horz(TL)  BRACING TOP CHOR	in -0.13 -0.25 0.04	(loc) 2-10 2-10 7 Structu 5-4-6 c Rigid c bracing	l/defl >999 >999 n/a iral wood oc purlins eiling dire	L/d 360 240 n/a sheathin, except	PLATES MT20  Weight: 127  g directly applied and verticals. lied or 7-3-10 or	GRIP 244/19
Plate Offsets (X,Y):  OADING (psf) CLL 20.0 CDL 7.0 CCLL 10.0 CCDL 5.0  UMBER OP CHORD 2 X 4 COT CHORD 2 X 4	9-0-0 [2:0-1-5,0-0-7]  SPACING Plates Increase Lumber Increase * Rep Stress Incr Code FBC2004/TF	1.25 1.25 YES	3x8 =  CSI TC 0.56 BC 0.38 WB 0.44	DEFL Vert(LL) Vert(TL) Horz(TL)  BRACING TOP CHOR	in -0.13 -0.25 0.04	(loc) 2-10 2-10 7 Structu 5-4-6 c Rigid c bracing T-Brac	l/defi >999 >999 n/a iral wood oc purlins eiling dire	L/d 360 240 n/a sheathin , except ectly appl	PLATES MT20  Weight: 127  g directly applied end verticals. lied or 7-3-10 or 2 X 4 SYP N	GRIP 244/19 lb
Plate Offsets (X,Y):  OADING (psf) CLL 20.0 CDL 7.0 CCLL 10.0 CDL 5.0  CDL 5.0  UMBER COP CHORD 2 X 4	9-0-0 [2:0-1-5,0-0-7]  SPACING Plates Increase Lumber Increase * Rep Stress Incr Code FBC2004/TF	1.25 1.25 YES	3x8 =  CSI TC 0.56 BC 0.38 WB 0.44	JEFL Vert(LL) Vert(TL) Horz(TL)  BRACING TOP CHOR	in -0.13 -0.25 0.04	(loc) 2-10 2-10 7 Structu 5-4-6 c Rigid c bracing T-Brac Fasten	l/defi >999 >999 n/a iral wood oc purlins eiling dira j. e: T and I	L/d 360 240 n/a sheathin , except ectly appl	PLATES MT20  Weight: 127  g directly applied and verticals. lied or 7-3-10 or	GRIP 244/19  Ib  ed or  c  io.3 - 5-7 of web
Plate Offsets (X,Y):  OADING (psf) CLL 20.0 CDL 7.0 CCLL 10.0 CDL 5.0  CDL 5.0  UMBER COP CHORD 2 X 4	9-0-0 [2:0-1-5,0-0-7]  SPACING Plates Increase Lumber Increase * Rep Stress Incr Code FBC2004/TF	1.25 1.25 YES	3x8 =  CSI TC 0.56 BC 0.38 WB 0.44	JEFL Vert(LL) Vert(TL) Horz(TL)  BRACING TOP CHOR	in -0.13 -0.25 0.04	(loc) 2-10 2-10 7 Structu 5-4-6 of Rigid of bracing T-Brac Fasten with 10 minimu	l/defi >999 >999 n/a iral wood oc purlins eiling dira g. e: T and I d Comm im end di	L/d 360 240 n/a  sheathin , except ectly appl braces to on wire n istance.	PLATES MT20  Weight: 127  g directly applie end verticals. lied or 7-3-10 or 2 X 4 SYP No narrow edge of	GRIP 244/19  lb  ed or  c  10.3 - 5-7  of web

**REACTIONS** (lb/size) 7=753/0-3-8, 2=880/0-3-8

Max Horz 2=195(load case 6)

Max Uplift 7=-204(load case 5), 2=-236(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-1340/657, 3-4=-1112/558, 4-5=-962/559, 5-6=-47/24, 6-7=-181/129

**BOT CHORD** 2-10=-732/1135, 9-10=-502/905, 8-9=-502/905, 7-8=-502/905

**WEBS** 3-10=-198/193, 4-10=0/257, 5-10=-67/75, 5-8=0/217, 5-7=-1008/563

# **JOINT STRESS INDEX**

2 = 0.81, 3 = 0.33, 4 = 0.74, 5 = 0.56, 6 = 0.42, 7 = 0.45, 8 = 0.33, 9 = 0.33 and 10 = 0.56

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	T15	MONO HIP	1	1		J1909924
L200330	113	WONG TH	'	'	Job Reference (optional)	

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#### **NOTES**

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide adequate drainage to prevent water ponding.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 204 lb uplift at joint 7 and 236 lb uplift at joint 2.

LOAD CASE(S) Standard





Job	Truss	Truss Type			Qty	Ply	GIE	BEIG HO	MES - LO	T 22 CCP	J1909925
L260930	T16	MONO HIP			I	1		Referenc	e (optiona	I)	
Builders FirstSourc	e, Lake City, FI 32055	1	6.300	s Feb 15 20	006 M	iTek Ir				4 14:02:14 200	7 Page 1
-2-0-0	5-9-14	11-0	<b>)-0</b>		17-	-6-0		-	2	4-0-0	
2-0-0	5-9-14	5-2	-2		6-6	6-0			6	3-6-0	Scale = 1 45 5
				4x6 =				3x8 =			3x6
1				4				5			6
		2x4		5-5-		//					o d
5-10-3	3	8			//	//					
				//							
2											2
1				(14)	(-	L		161			
3x8				10	9			8			7
				3x8 =	3x6	-		2x4			3x6 =
	11-	<b>)</b> -0			17-	6-0		-	24	1-0-0	
	11-	0-0		5	6-6	5-0			6	-6-0	
Plate Offsets (X,Y	): [2:0-0-10,Edge]			_							
LOADING (psf) TCLL 20.0 TCDL 7.0	SPACING Plates Increase Lumber Increase	2-0-0 CS 1.25 TC 1.25 BC	0.37 0.57	Vert(LL Vert(TL	) -	0.30	(loc) 2-10 2-10 7	l/defl >957 >529	L/d 360 240	PLATES MT20	<b>GRIP</b> 244/190
BCLL 10.0 BCDL 5.0	* Rep Stress Incr Code FBC2004/TP	YES W 12002 (N	B 0.36 latrix)	Horz(TI	-)	0.03	,	n/a	n/a	Weight: 13	3 lb
LUMBER TOP CHORD 2 X BOT CHORD 2 X WEBS 2 X				BRACII TOP CH	IORE	) (	5-3-11	oc purlin ceiling dir	s, excep	g directly app t end verticals ied or 7-2-6 o	<b>3</b> .
				WEBS		- ! !	T-Brac Faster with 10 minimu	ce: Tand I Od Comm um end d	ion wire n istance.	2 X 4 SYP narrow edge ails, 9in o.c.,w	of web

**REACTIONS** (lb/size) 7=753/0-3-8, 2=880/0-3-8

Max Horz 2=227(load case 6)

Max Uplift 7=-201(load case 5), 2=-243(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

1-2=0/47, 2-3=-1308/639, 3-4=-992/492, 4-5=-833/501, 5-6=-27/13, 6-7=-154/110 TOP CHORD

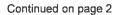
**BOT CHORD** 2-10=-758/1104, 9-10=-387/669, 8-9=-387/669, 7-8=-387/669

**WEBS** 3-10=-309/289, 4-10=0/229, 5-10=-151/218, 5-8=0/159, 5-7=-853/497

### **JOINT STRESS INDEX**

2 = 0.87, 3 = 0.33, 4 = 0.67, 5 = 0.56, 6 = 0.28, 7 = 0.35, 8 = 0.33, 9 = 0.22 and 10 = 0.56

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Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	11000035
L260930	T16	MONO HIP	1	1		J1909925
					Job Reference (optional)	

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Nov 14 14:02:14 2007 Page 2

#### **NOTES**

- Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide adequate drainage to prevent water ponding.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 201 lb uplift at joint 7 and 243 lb uplift at joint 2.

LOAD CASE(S) Standard

Justiners Long Training Consecut Cingriposer Historiae Print Print Scientis E (1909 Conservated Print) Wilson Historian Alexander St. Burgary



Job Truss Truss Type Qty Ply GIEBEIG HOMES - LOT 22 CCP J1909926 L260930 T17 MONO HIP 1 1 Job Reference (optional) Builders FirstSource, Lake City, FI 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Nov 14 14:02:15 2007 Page 1 -2-0-0 6-8-5 13-0-0 18-6-0 24-0-0 6-3-11 2-0-0 6-8-5 5-6-0 5-6-0 Scale = 1.50.0 4x16 2x4 3x6 5 6 00 12 3x6 3 6-10-3 11 10 9 8 2x4 3x6 3x8 2x4 || 3x6 6-8-5 13-0-0 18-6-0 24-0-0 6-8-5 6-3-11 5-6-0 5-6-0 LOADING (psf) **SPACING** 2-0-0 CSI DEFL in (loc) I/defl L/d **PLATES GRIP** TCI I. 20.0 0.06 10-11 Plates Increase 1.25 TC 0.32 Vert(LL) >999 360 MT20 244/190 **TCDL** 7.0 Lumber Increase 1.25 BC 0.29 Vert(TL) -0.10 2-11 >999 240 **BCLL** 10.0 \* Rep Stress Incr **WB** 0.56 YES Horz(TL) 0.03 n/a n/a **BCDL** 5.0 Code FBC2004/TPI2002 (Matrix) Weight: 144 lb LUMBER **BRACING** TOP CHORD 2 X 4 SYP No.2 TOP CHORD Structural wood sheathing directly applied or BOT CHORD 2 X 4 SYP No.2 5-2-12 oc purlins, except end verticals. **WEBS** 2 X 4 SYP No.3 **BOT CHORD** Rigid ceiling directly applied or 7-3-10 oc bracing. **WEBS** T-Brace: 2 X 4 SYP No.3 - 6-7, 4-8 Fasten T and I braces to narrow edge of web with 10d Common wire nails, 9in o.c., with 4in minimum end distance. Brace must cover 90% of web length.

**REACTIONS** (lb/size) 7=753/0-3-8, 2=880/0-3-8

Max Horz 2=259(load case 6)

Max Uplift 7=-198(load case 5), 2=-247(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-1320/578, 3-4=-857/428, 4-5=-499/297, 5-6=-499/298, 6-7=-723/449

BOT CHORD 2-11=-749/1103, 10-11=-749/1103, 9-10=-453/702, 8-9=-453/702, 7-8=-9/15

WEBS 3-11=0/212, 3-10=-460/338, 4-10=-126/328, 4-8=-316/241, 5-8=-303/210,

6-8=-457/764

# **JOINT STRESS INDEX**

2 = 0.59, 3 = 0.39, 4 = 0.97, 5 = 0.33, 6 = 0.52, 7 = 0.43, 8 = 0.75, 9 = 0.24, 10 = 0.34 and 11 = 0.33

Continued on page 2



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	
L260930	T17	MONO HIP	1	1	J190992	6
220000	111	WOIVO I III	l'	'	Job Reference (optional)	
Duildess ClastCarress	Labor Other EL DOOFF	0.000 - 5-1-45	0000 14	T 1 1 1	1: 1 14/ 14/ 44/40045 0007 5	

6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Nov 14 14:02:15 2007 Page 2

### **NOTES**

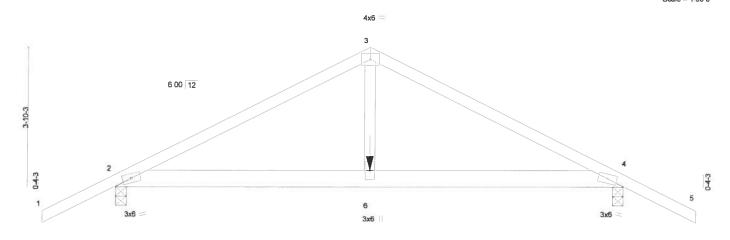
- Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide adequate drainage to prevent water ponding.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 198 lb uplift at joint 7 and 247 lb uplift at joint 2.

LOAD CASE(S) Standard





Job Truss Truss Type Qty Ply GIEBEIG HOMES - LOT 22 CCP J1909927 L260930 T18 KINGPOST 1 Job Reference (optional) Builders FirstSource, Lake City, FI 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Wed Nov 14 14:02:15 2007 Page 1 -2-0-0 7-0-0 14-0-0 16-0-0 2-0-0 7-0-0 7-0-0 2-0-0 Scale = 1:30 0



		7-0-0						7				
LOADIN	NG (psf)	SPACING	2-0-0	CSI		DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	0.05	2-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.20	Vert(TL)	-0.06	6	>999	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.29	Horz(TL)	0.02	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)		, ,					Weight: 68 lb	

**LUMBER** 

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

**WEBS** 2 X 4 SYP No.3 **BRACING** 

TOP CHORD

Structural wood sheathing directly applied or

4-10-11 oc purlins.

14-0-0

**BOT CHORD** 

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

**REACTIONS** (lb/size) 2=965/0-3-8, 4=965/0-3-8

Max Horz 2=-79(load case 6)

Max Uplift 2=-531(load case 5), 4=-531(load case 6)

7-0-0

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/51, 2-3=-1514/702, 3-4=-1514/702, 4-5=0/51

**BOT CHORD** 2-6=-570/1279, 4-6=-570/1279

**WEBS** 3-6=-485/911

### **JOINT STRESS INDEX**

2 = 0.80, 3 = 0.59, 4 = 0.80 and 6 = 0.29

# **NOTES**

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

- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=14ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 3) \*This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other
- 4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 531 Ib uplift at joint 2 and 531 lb uplift at joint 4.

6) Girder carries hip end with 7-0-0 end setback. Continued on page 2

November 14,2007



This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connector Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult 8CS-1 or HIB-91 Handing Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 22 CCP	J1909927
L260930	T18	KINGPOST	1	1	Job Reference (optional)	

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## **NOTES**

7) 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: 2-4=-10, 1-3=-54, 3-5=-54

Concentrated Loads (lb) Vert: 6=-821(F)

