DATE 10/19/2005

Columbia County Building Permit

PERMIT 000023730

This Permit Expires One Year From the Date of Issue

APPLICANT JACKIE NORRIS PHONE 758-3663

ADDRESS PO BOX 1384 LAKE CITY FL 32056

OWNER PETE GIEBEIG PHONE 752-7968

ADDRESS 254 SW GERALD CANNON CREEK RD LAKE CITY FL 32024

CONTRACTOR JOHN NORRIS PHONE 758-3663

LOCATION OF PROPERTY 47 S, R 242, R CANNON CREEK RD, L INTO CANNON CREEK PLACE SD
R GERALD CANNON DR, 5TH ON RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 67200.00

HEATED FLOOR AREA 1344.00 TOTAL AREA 1792.00 HEIGHT 18.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 35

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

NO. EX.D.U. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO.

PARCEL ID 24-4S-16-03114-144 SUBDIVISION CANNON CREEK PLACE

LOT 44 BLOCK PHASE UNIT TOTAL ACRES .51

000000846 RG0066597 Jackie Norris

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

PERMIT 05-0957-N BK JH N

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

COMMENTS: PLAT REQUIRES 1ST FLOOR ELEVATION TO BE A MINIMUM OF 104 FT/ ELEVATION

LETTER REQUIRED BEFORE SLAB

NOC ON FILE Check # or Cash 3502

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power ____ date/app. by Foundation ____ date/app. by Monolithic (footer/Slab) ____ date/app. by

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

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

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

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

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

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

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

BUILDING PERMIT FEE $ 340.00 CERTIFICATION FEE $ 8.96 SURCHARGE FEE $ 8.96

MISC. FEES $ .00 ZONING CERT. FEE $ 50.00 FIRE FEE $ .00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 457.92

INSPECTORS OFFICE L.H.S. CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000000846

DATE 10/19/2005 PARCEL ID # 24-4S-16-03114-144

APPLICANT JACKIE NORRIS PHONE 758-3663

ADDRESS PO BOX 1384 WHITE SPRINGS FL 32096

OWNER PETE GIEBEIG PHONE 752-7968

ADDRESS 254 SW GERALD CONNER DRIVE LAKE CITY FL 32024

CONTRACTOR JOHN NORRIS PHONE 758-3663

LOCATION OF PROPERTY 47 S, R 242, R CANNON CREEK DR, LEFT INTO CANNON CREEK PLACE

R SW GERALD CONNER DR, 5TH ON THE RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT CANNON CREEK PLACE 44

SIGNATURE Jackie Norris

INSTALLATION REQUIREMENTS

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

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

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

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

Amount Paid 25.00

COLUMBIA COUNTY · GATEWAY TO FLORIDA ·

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

Land Surveyors and Mappers

12/04/05

L-16853

To Whom It May Concern:

C/o: Trent Giebeig

Re: Lot 44 Cannon Creek Place

The elevation of the foundation is found to be 105.37 feet. The proposed floor elevation is shown to be 104.00 feet on the plat of record. The highest adjacent grade is 104.06 feet and the lowest adjacent grade is 103.06 feet. Elevations are based on NGVD29 datum.

L. Scott Britt
PLS #5757

23730

Building Permit Application

OK JTH 10-3-05
BLK 14.10.05

ck # 3502 457.92 846/23730

Date 9/24/05 Application No. 050992

Applicants Name & Address Janice Norris Phone 758 3663
PO Box 238 White Springs Fl. 32096

Owners Name & Address Pete Giebeig Phone 752-7968
PO Box 1384 Lake City Fl. 32056

Fee Simple Owners Name & Address " " Phone "
" " "

Contractors Name & Address John Norris Phone 758-3663
PO Box 238 White Springs Fl 32096

Legal Description of Property Lot 44 Cannon Creek Place

Location of Property West end of Cannon Creek Rd.
(911 #) 254 S.W. Gerald Conner Drive

Tax Parcel Identification No. 24-4S-16-03114-[redacted] 144 Estimated Cost of Construction $ 57,000.00

Type of Development residential Number of Existing Dwellings on Property None

Comprehensive Plan Map Category 2 per Acre RES. Low DEN. Zoning Map Category RSF-2 ✓

Building Height 18' Number of Stories 1 Floor Area * 1400 Total Acreage in Development 40 Ac

Distance From Property Lines (Set Backs) Front 35 27 Side 40 42 Rear 80 77 Street 35 38' 8"

Flood Zone Zone X p/plat Certification Date 7/15/05 Development Permit 7/15/05

Bonding Company Name & Address None

Architect/Engineer Name & Address Freeman

Mortgage Lenders Name & Address None

Porch 48 Garage 400 TOTAL 1,792 * 1 344 Heated Area

Application is hereby made to obtain a permit to do the work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws regulating construction and zoning.

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

Peter W. [signature]
Owner or Agent (including contractor)

John D Norris [signature]
Contractor

RG 0066597
Contractor License Number

Plat Requires 1st Floor Elevation to be a minimum of 104 ft. Elevation Letter Required

…T 44

…tion

STATE OF FLORIDA
COUNTY OF COLUMBIA
Sworn to (or affirmed) and subscribed before me
this 27th day of Sept by 2005

ELAINE K. TOLAR
MY COMMISSION # DD 436381
EXPIRES: October 2, 2009
Bonded Thru Notary Public Underwriters

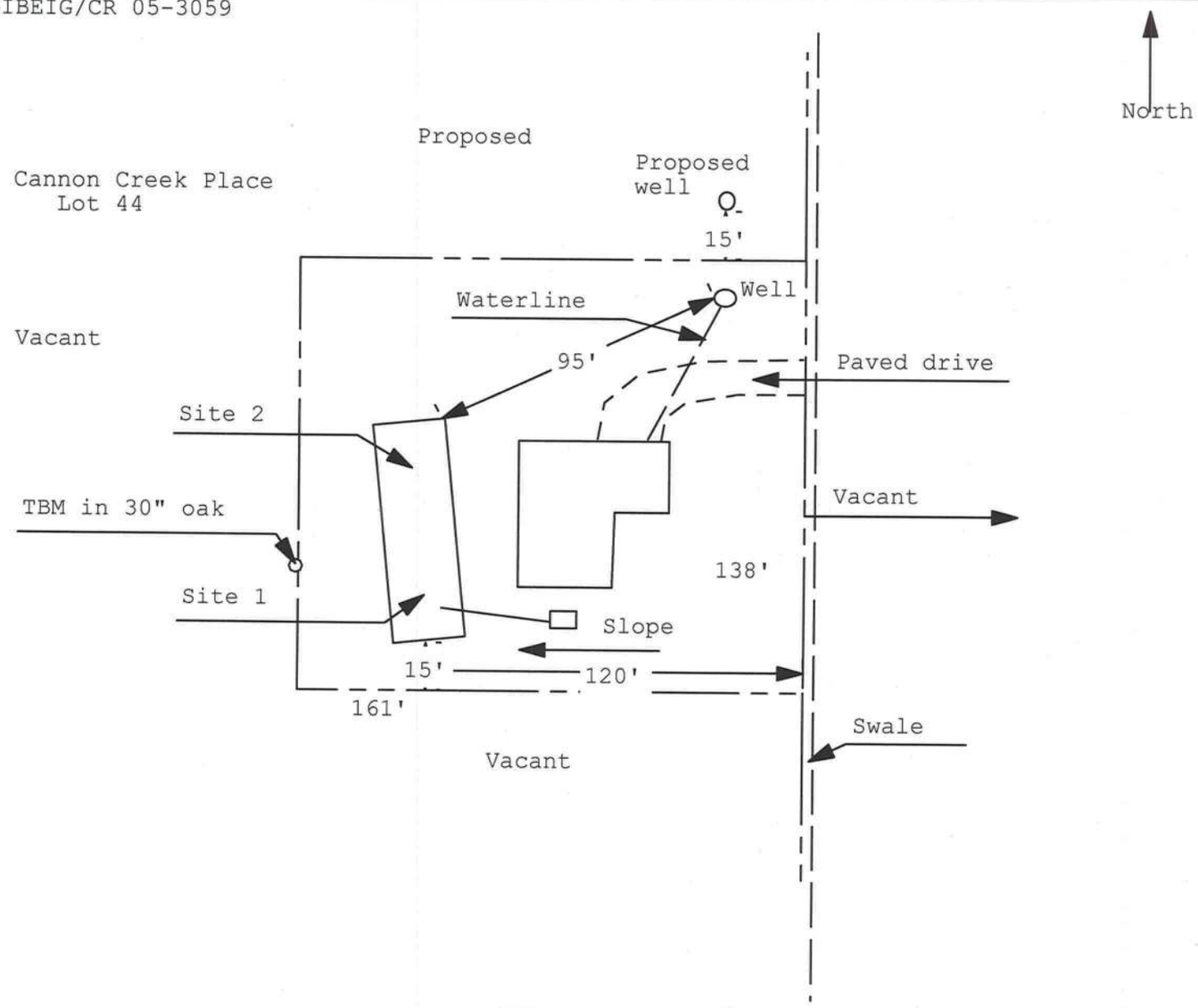
Personally Known X OR Produced Identification

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

Permit Application Number: 05-0957N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GIBEIG/CR 05-3059



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd **Date** 9/2/05

Plan Approved ✓ **Not Approved** ____ **Date** 9-26-05

By [illegible] Columbia **CPHU**

Notes:

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Suwannee Model Cannon Creek**	Builder:	**John Norris**
Address:	**Lot: 44, Sub: Cannon Creek, Plat:**	Permitting Office:	**Columbia County**
City, State:	**Lake City, Fl**	Permit Number:	23730
Owner:	**Pete Giebeig**	Jurisdiction Number:	221600
Climate Zone:	**South**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1344 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	172.0 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 160.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Face Brick, Wood, Exterior		R=13.0, 1120.0 ft²	
b. Frame, Wood, Adjacent		R=13.0, 160.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1344.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 50.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 24.0 kBtu/hr	
	SEER: 12.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 24.0 kBtu/hr	
	HSPF: 7.40	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT, CF,	

Glass/Floor Area: 0.13

Total as-built points: 18258
Total base points: 23597

PASS

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

PREPARED BY: Keith A Face

DATE: 9/26/05

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

OWNER/AGENT: _____

DATE: _____

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

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 44, Sub: Cannon Creek, Plat: , Lake City, Fl,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	1344.0	32.50	7862.4	Double, Clear	E	1.5	6.0	15.0	68.60	0.92	944.1	
				Double, Clear	E	1.5	8.0	40.0	68.60	0.96	2631.8	
				Double, Clear	E	1.5	6.0	60.0	68.60	0.92	3776.2	
				Double, Clear	N	1.5	2.0	5.0	31.93	0.76	122.1	
				Double, Clear	W	1.5	6.0	48.0	61.59	0.92	2714.0	
				Double, Clear	W	1.5	3.0	4.0	61.59	0.75	184.7	
				As-Built Total:				**172.0**			**10372.9**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =	Points		
Adjacent	160.0	1.00	160.0	Face Brick, Wood, Exterior			13.0	1120.0	0.98	1092.0		
Exterior	1120.0	2.70	3024.0	Frame, Wood, Adjacent			13.0	160.0	0.90	144.0		
Base Total:	**1280.0**		**3184.0**	**As-Built Total:**				**1280.0**		**1236.0**		
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =	Points		
Adjacent	17.8	2.60	46.2	Exterior Insulated				20.0	6.40	128.0		
Exterior	20.0	6.40	128.0	Adjacent Insulated				17.8	2.60	46.2		
Base Total:	**37.8**		**174.2**	**As-Built Total:**				**37.8**		**174.2**		
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =	Points		
Under Attic	1344.0	2.80	3763.2	Under Attic			30.0	1344.0	2.77 X 1.00	3722.9		
Base Total:	**1344.0**		**3763.2**	**As-Built Total:**				**1344.0**		**3722.9**		
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =	Points		
Slab	160.0(p)	-20.0	-3200.0	Slab-On-Grade Edge Insulation			0.0	160.0(p	-20.00	-3200.0		
Raised	0.0	0.00	0.0									
Base Total:			**-3200.0**	**As-Built Total:**				**160.0**		**-3200.0**		
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =	Points		
	1344.0	18.79	25253.8					1344.0	18.79	25253.8		

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 44, Sub: Cannon Creek, Plat: , Lake City, Fl,** PERMIT #:

BASE			AS-BUILT						
Summer Base Points:		**37037.6**	**Summer As-Built Points:**						**37559.7**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
37037.6	**0.4266**	**15800.2**	37559.7 **37559.7**	1.000 **1.00**	(1.073 x 1.165 x 0.90) **1.125**	0.284 **0.284**	0.902 **0.902**	10837.0 **10837.0**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 44, Sub: Cannon Creek, Plat: , Lake City, Fl,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	1344.0	2.36	570.9	Double, Clear	E	1.5	6.0	15.0	3.30	1.02	50.5	
				Double, Clear	E	1.5	8.0	40.0	3.30	1.02	134.0	
				Double, Clear	E	1.5	6.0	60.0	3.30	1.02	202.2	
				Double, Clear	N	1.5	2.0	5.0	4.38	0.97	21.3	
				Double, Clear	W	1.5	6.0	48.0	3.98	1.00	190.6	
				Double, Clear	W	1.5	3.0	4.0	3.98	1.01	16.0	
				As-Built Total:				**172.0**			**614.7**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =	Points		
Adjacent	160.0	0.50	80.0	Face Brick, Wood, Exterior			13.0	1120.0	0.43	476.0		
Exterior	1120.0	0.60	672.0	Frame, Wood, Adjacent			13.0	160.0	0.50	80.0		
Base Total:	**1280.0**		**752.0**	**As-Built Total:**				**1280.0**		**556.0**		
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =	Points		
Adjacent	17.8	1.30	23.1	Exterior Insulated				20.0	1.80	36.0		
Exterior	20.0	1.80	36.0	Adjacent Insulated				17.8	1.30	23.1		
Base Total:	**37.8**		**59.1**	**As-Built Total:**				**37.8**		**59.1**		
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM =	Points		
Under Attic	1344.0	0.10	134.4	Under Attic			30.0	1344.0	0.10 X 1.00	134.4		
Base Total:	**1344.0**		**134.4**	**As-Built Total:**				**1344.0**		**134.4**		
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =	Points		
Slab	160.0(p)	-2.1	-336.0	Slab-On-Grade Edge Insulation			0.0	160.0(p	-2.10	-336.0		
Raised	0.0	0.00	0.0									
Base Total:			**-336.0**	**As-Built Total:**				**160.0**		**-336.0**		
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =	Points		
	1344.0	-0.06	-80.6					1344.0	-0.06	-80.6		

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 44, Sub: Cannon Creek, Plat: , Lake City, Fl,** PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**1099.8**	**Winter As-Built Points:**						**947.5**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
1099.8	**0.6274**	**690.0**	947.5 **947.5**	1.000 **1.00**	(1.099 x 1.137 x 0.91) **1.137**	0.461 **0.461**	0.950 **0.950**	471.7 **471.7**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 44, Sub: Cannon Creek, Plat: , Lake City, Fl,** PERMIT #:

BASE			AS-BUILT						
WATER HEATING									
Number of Bedrooms	X Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3	2369.00	7107.0	50.0	0.90	3	1.00	2316.36	1.00	6949.1
			As-Built Total:						**6949.1**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
15800	**690**	**7107**	**23597**	**10837**	**472**	**6949**	**18258**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 44, Sub: Cannon Creek, Plat: , Lake City, Fl,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.5

The higher the score, the more efficient the home.

Pete Giebeig, Lot: 44, Sub: Cannon Creek, Plat: , Lake City, Fl,

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1344 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear - single pane	0.0 ft²	172.0 ft²	
b. Clear - double pane	0.0 ft²	0.0 ft²	
c. Tint/other SHGC - single pane	0.0 ft²	0.0 ft²	
d. Tint/other SHGC - double pane			
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 160.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Face Brick, Wood, Exterior		R=13.0, 1120.0 ft²	
b. Frame, Wood, Adjacent		R=13.0, 160.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1344.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 50.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 24.0 kBtu/hr	
	SEER: 12.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 24.0 kBtu/hr	
	HSPF: 7.40	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT, CF,	

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

Builder Signature: _____ Date: _____

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

*NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/488-1824.

EnergyGauge® (Version: FLRCPB v3.30)

Residential System Sizing Calculation

Summary

Pete Giebeig

Lake City, Fl

Project Title:
Suwannee Model Cannon Creek

Code Only
Professional Version
Climate: South

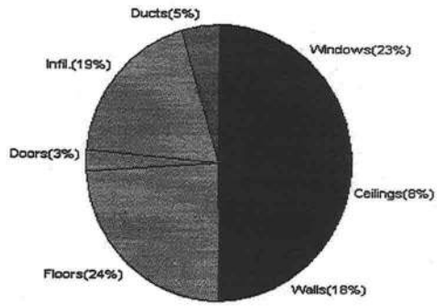
9/26/2005

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	98	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	23	F
Total heating load calculation	**20773**	**Btuh**	**Total cooling load calculation**	**18830**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	115.5	24000	Sensible (SHR = 0.5)	79.0	12000
Heat Pump + Auxiliary(0.0kW)	115.5	24000	Latent	329.3	12000
			Total (Electric Heat Pump)	127.5	24000

WINTER CALCULATIONS

Winter Heating Load (for 1344 sqft)

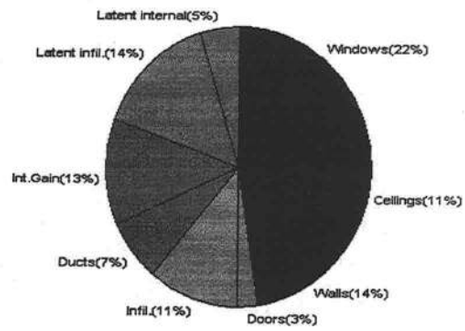
Load component			Load	
Window total	172	sqft	4868	Btuh
Wall total	1280	sqft	3728	Btuh
Door total	38	sqft	534	Btuh
Ceiling total	1344	sqft	1747	Btuh
Floor total	160	ft	5056	Btuh
Infiltration	90	cfm	3852	Btuh
Subtotal			**19784**	**Btuh**
Duct loss			989	Btuh
TOTAL HEAT LOSS			**20773**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1344 sqft)

Load component			Load	
Window total	172	sqft	4222	Btuh
Wall total	1280	sqft	2627	Btuh
Door total	38	sqft	471	Btuh
Ceiling total	1344	sqft	2097	Btuh
Floor total			0	Btuh
Infiltration	79	cfm	1987	Btuh
Internal gain			2400	Btuh
Subtotal(sensible)			**13805**	**Btuh**
Duct gain			1381	Btuh
Total sensible gain			**15186**	**Btuh**
Latent gain(infiltration)			2724	Btuh
Latent gain(internal)			920	Btuh
Total latent gain			**3644**	**Btuh**
TOTAL HEAT GAIN			**18830**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: _____

DATE: _____

Residential System Sizing Calculation

Summary

Pete Giebeig

Lake City, Fl

Project Title:
Suwannee Model Cannon Creek

Code Only
Professional Version
Climate: South

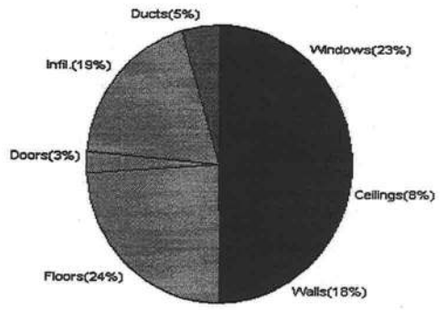
9/26/2005

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	98	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	23	F
Total heating load calculation	**20773**	**Btuh**	**Total cooling load calculation**	**18830**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	115.5	24000	Sensible (SHR = 0.5)	79.0	12000
Heat Pump + Auxiliary(0.0kW)	115.5	24000	Latent	329.3	12000
			Total (Electric Heat Pump)	127.5	24000

WINTER CALCULATIONS

Winter Heating Load (for 1344 sqft)

Load component			Load	
Window total	172	sqft	4868	Btuh
Wall total	1280	sqft	3728	Btuh
Door total	38	sqft	534	Btuh
Ceiling total	1344	sqft	1747	Btuh
Floor total	160	ft	5056	Btuh
Infiltration	90	cfm	3852	Btuh
Subtotal			**19784**	**Btuh**
Duct loss			989	Btuh
TOTAL HEAT LOSS			**20773**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1344 sqft)

Load component			Load	
Window total	172	sqft	4222	Btuh
Wall total	1280	sqft	2627	Btuh
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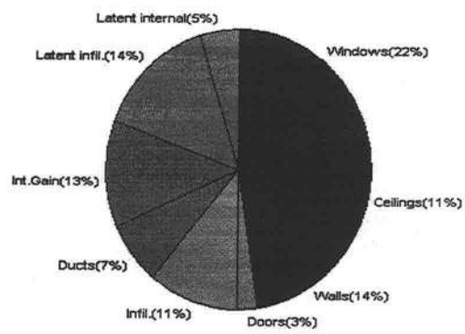
Floor total			0	Btuh
Infiltration	79	cfm	1987	Btuh
Internal gain			2400	Btuh
Subtotal(sensible)			**13805**	**Btuh**
Duct gain			1381	Btuh
Total sensible gain			**15186**	**Btuh**
Latent gain(infiltration)			2724	Btuh
Latent gain(internal)			920	Btuh
Total latent gain			**3644**	**Btuh**
TOTAL HEAT GAIN			**18830**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: Walter H Fine
DATE: 9/26/05

System Sizing Calculations - Winter

Residential Load - Component Details

Pete Giebeig

Lake City, Fl

Project Title:
Suwannee Model Cannon Creek

Code Only
Professional Version
Climate: South

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

9/26/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	15.0	28.3	424 Btuh
2	2, Clear, Metal, DEF	N	40.0	28.3	1132 Btuh
3	2, Clear, Metal, DEF	N	60.0	28.3	1698 Btuh
4	2, Clear, Metal, DEF	W	5.0	28.3	142 Btuh
5	2, Clear, Metal, DEF	S	48.0	28.3	1358 Btuh
6	2, Clear, Metal, DEF	S	4.0	28.3	113 Btuh
	Window Total		172		4868 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1120	3.1	3472 Btuh
2	Frame - Adjacent	13.0	160	1.6	256 Btuh
	Wall Total		1280		3728 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		20	18.3	367 Btuh
2	Insulated - Adjac		18	9.4	167 Btuh
	Door Total		38		534Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1344	1.3	1747 Btuh
	Ceiling Total		1344		1747Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	160.0 ft(p)	31.6	5056 Btuh
	Floor Total		160		5056 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	13440(sqft)	90	3852 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			90	3852 Btuh

Totals for Heating	**Subtotal**	**19784 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**989 Btuh**
	Total Btuh Loss	**20773 Btuh**

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

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

System Sizing Calculations - Summer

Residential Load - Component Details

Pete Giebeig

Lake City, Fl

Project Title:
Suwannee Model Cannon Creek

Code Only
Professional Version
Climate: South

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 9/26/2005

Window	Type Panes/SHGC/U/InSh/ExSh Ornt		Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load	
1	2, Clear, DEF, N, N	N	1.5	6	15.0	0.0	15.0	24	24	360	Btuh
2	2, Clear, DEF, N, N	N	1.5	8	40.0	0.0	40.0	24	24	960	Btuh
3	2, Clear, DEF, N, N	N	1.5	6	60.0	0.0	60.0	24	24	1440	Btuh
4	2, Clear, DEF, N, N	W	1.5	2	5.0	3.1	1.9	24	74	214	Btuh
5	2, Clear, DEF, N, N	S	1.5	6	48.0	48.0	0.0	24	39	1152	Btuh
6	2, Clear, DEF, N, N	S	1.5	3	4.0	4.0	0.0	24	39	96	Btuh
	Window Total				172					4222	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Frame - Exterior	13.0	1120.0	2.1	2397	Btuh
2	Frame - Adjacent	13.0	160.0	1.4	230	Btuh
	Wall Total		1280.0		2627	Btuh

Doors	Type	Area	HTM	Load	
1	Insulated - Exter	20.0	12.5	250	Btuh
2	Insulated - Adjac	17.8	12.5	222	Btuh
	Door Total	37.8		471	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	1344.0	1.6	2097	Btuh
	Ceiling Total		1344.0		2097	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	160.0 ft(p)	0.0	0	Btuh
	Floor Total		160.0		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.35	13440	78.6	1987	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			79	1987	Btuh

Internal gain	Occupants		Btuh/occupant		Appliance	Load	
	4	X	300	+	1200	2400	Btuh

Totals for Cooling		
	Subtotal	**13805 Btuh**
	Duct gain(using duct multiplier of 0.10)	**1381 Btuh**
	Total sensible gain	**15186 Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**2724 Btuh**
	Latent occupant gain (4 people @ 230 Btuh per person)	**920 Btuh**
	Latent other gain	**0 Btuh**
	TOTAL GAIN	**18830 Btuh**

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

EnergyGauge FLRCPB v3.30

NOTICE OF COMMENCEMENT

Inst:2005021810 Date:09/07/2005 Time:13:19
DC,P.DeWitt Cason,Columbia County B:1057 P:1337

STATE OF: Florida
COUNTY OF: Columbia

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

1. Description of Property: Lot #44 Cannon Creek Place
254 SW Gerald Conner Drive

2. General Description of Improvement: Construction of Single Family Residence

3. Owner Information:
   a. Name and Address: Peter W. Giebeig
P.O. Box 1384 Lake City,FL 32056
   b. Interest in Property: Fee Simple
   c. Name and Address of Fee Simple titleholder (if other than Owner):

4. Contractor (Name and Address): John D. Norris
P.O. Box 238 White Springs, FL 32096

5. Surety:
   a. Name and Address: N/A
   b. Amount of Bond:

6. Lender (Name and Address): N/A

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

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

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
☑	☑	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☑	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☑	☑	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☑	**Wind-load Engineering Summary, calculations and any details required** a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional
☑	☑	**Elevations including:**
☑	☑	a) All sides
☑	☑	b) Roof pitch
☑	☑	c) Overhang dimensions and detail with attic ventilation
☑	☐	d) Location, size and height above roof of chimneys
☐	☑	e) Location and size of skylights
☐	☑	f) Building height
☑	☐	e) Number of stories

Floor Plan including:

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

Foundation Plan including:

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

Roof System:

a) Truss package including:
    1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
    2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

b) Conventional Framing Layout including:
    1. Rafter size, species and spacing
    2. Attachment to wall and uplift
    3. Ridge beam sized and valley framing and support details
    4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

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

b) Wood frame wall

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

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

Floor Framing System:

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

Plumbing Fixture layout

Electrical layout including:

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

HVAC information

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

Energy Calculations (dimensions shall match plans)

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

Disclosure Statement for Owner Builders

Notice Of Commencement

Private Potable Water

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 **(Toilet facilities shall be provided for construction workers)**

4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to br submitted by the owner or contractor to this office when applying for a Building Permit.

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is **$10.00**

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**$5.00**) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$25.00**). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.

7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 758-8787

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

NOTICE:

TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR AN APPOINTMENT TIME AND DATE:

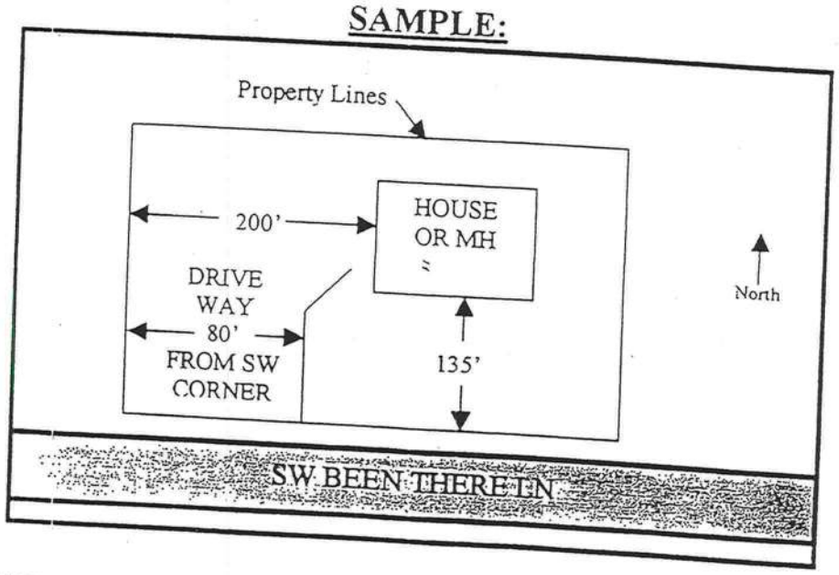
(ADDRESSES CAN NOT BE OBTAINED OVER THE TELEPHONE)

THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).

THE REQUESTER WILL NEED THE FOLLOWING:

1. THE PARCEL (TAX ID) NUMBER FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
   a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
   b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
   c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Ceco Door Products
9159 Telecom Drive
Milan, TN 38358

In Swing

SCOPE:

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

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: The Ceco Series Single Flush / Embossed Inswing Commercial Steel Doors –Impact

APPROVAL DOCUMENT: Drawing No **RD0728**, titled "3-0 x 7-0 , Series Regent, Omega, Imperial, Versa door", prepared by manufacturer, sheets 1 through 9 of 9 dated 05/22/02 and latest revised on 10-10-02, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

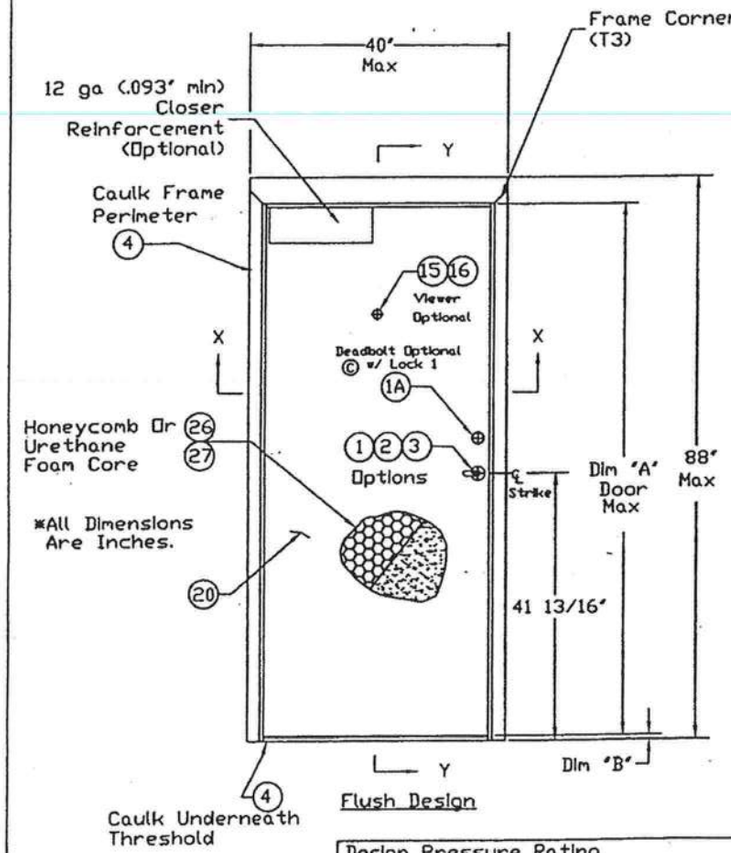
RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

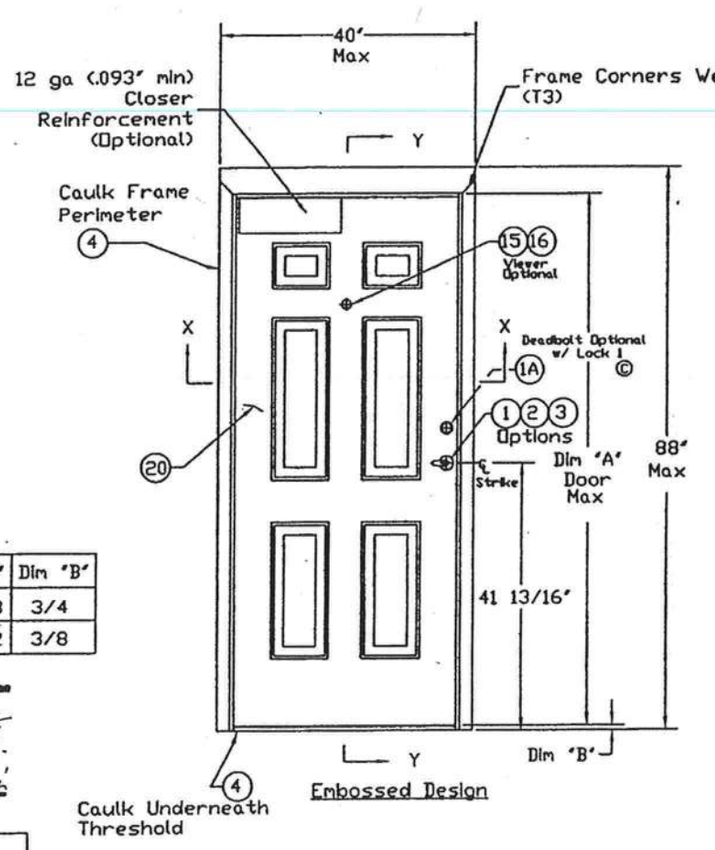
TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.
This NOA consists of this page 1 as well as approval document mentioned above.
The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

PRODUCT CONTROL ACCEPTED





In-Swing Door
(Exterior View)

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

Approved as complying with the Florida Building Code
Date OCTOBER 31, 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By Ishaq I. Chanda

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

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

ISSUE	REVISIONS
B 10/10/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.
A 8/28/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.

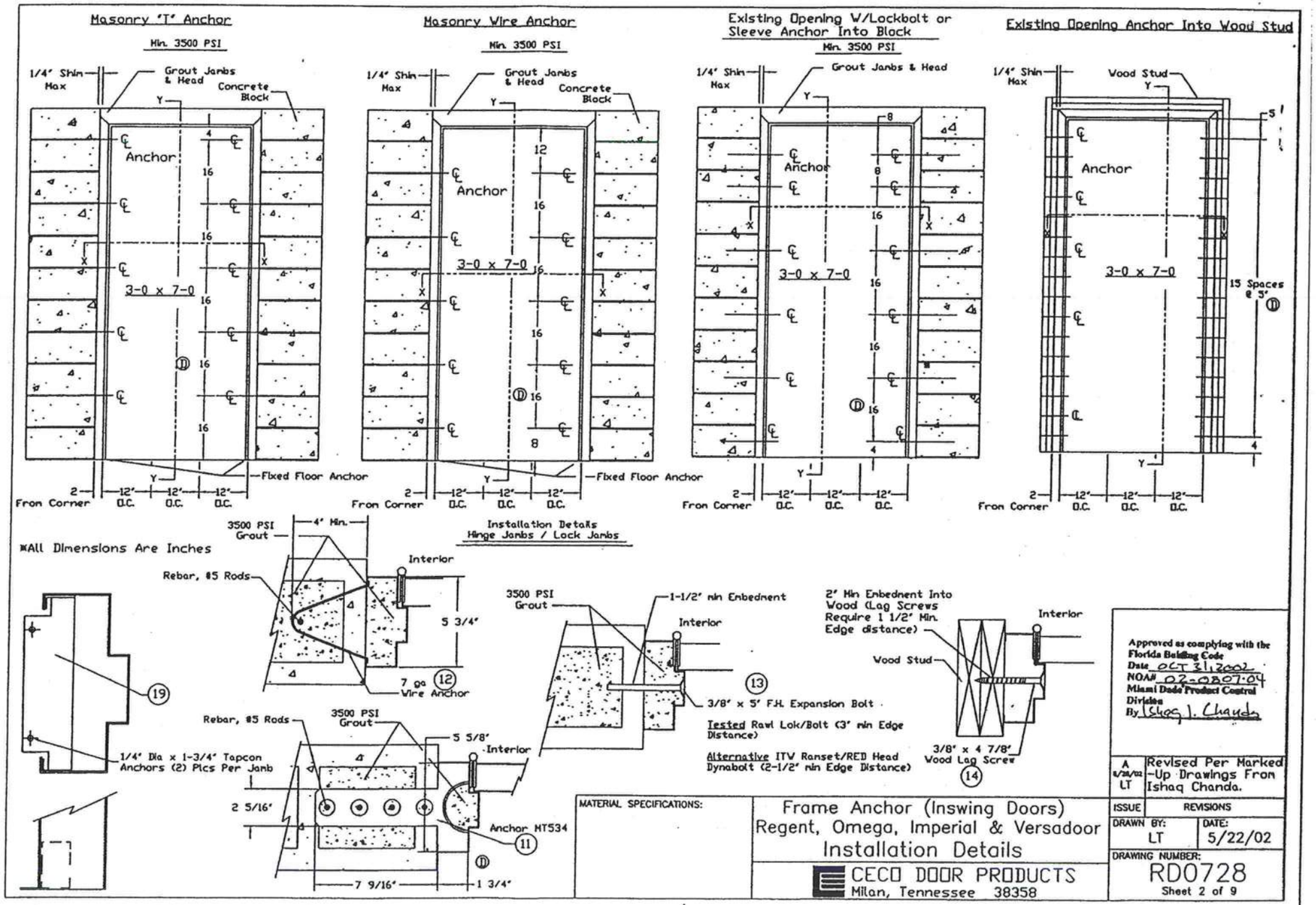
MATERIAL SPECIFICATIONS:
Finish: Rust Inhibitive Primer

3-0 x 7-0 Series
Regent, Omega, Imperial, & Versadoor
In-Swing Elevation Drawing

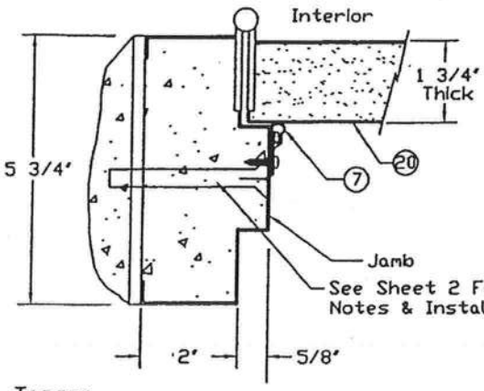
CECO DOOR PRODUCTS
Milan, Tennessee 38358

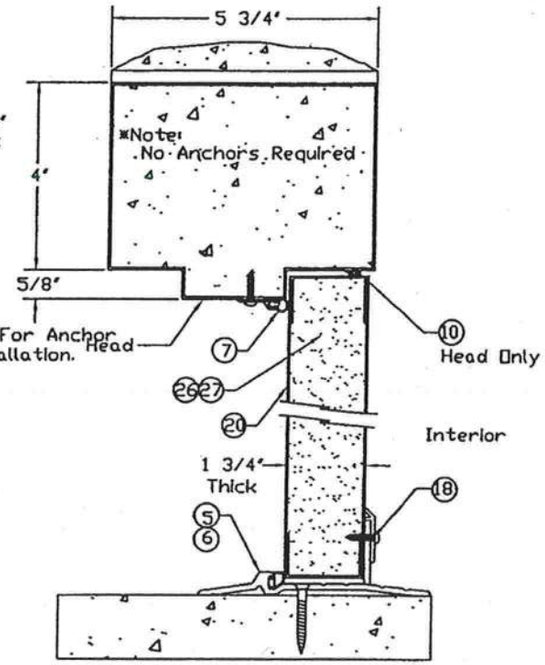
DRAWN BY: LT
DATE: 5/22/02

DRAWING NUMBER:
RD0728
Sheet 1 of 9


Masonry 'T' Anchor
Min. 3500 PSI
1/4" Shim Max
Grout Jambs & Head
Concrete Block
Anchor
3-0 x 7-0
Fixed Floor Anchor
From Corner
O.C.
Masonry Wire Anchor
Min. 3500 PSI
Existing Opening W/Lockbolt or Sleeve Anchor Into Block
Min. 3500 PSI
Existing Opening Anchor Into Wood Stud
Wood Stud
13 Spaces @ 5"
*All Dimensions Are Inches
Installation Details
Hinge Jambs / Lock Jambs
3500 PSI Grout
4" Min.
Interior
Rebar, #5 Rods
5 3/4"
7 ga Wire Anchor
1/4" Dia x 1-3/4" Tapcon Anchors (2) Pcs Per Jamb
5 5/8"
2 5/16"
Anchor MT534
7 9/16"
1 3/4"
1-1/2" min Enbedment
3/8" x 5" F.H. Expansion Bolt
Tested Rawl Lok/Bolt (3" min Edge Distance)
Alternative ITW Ranset/RED Head Dynabolt (2-1/2" min Edge Distance)
2" Min Enbedment Into Wood (Lag Screws Require 1 1/2" Min. Edge distance)
3/8" x 4 7/8" Wood Lag Screw
Approved as complying with the Florida Building Code
Date OCT 31, 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By Ishaq I. Chanda
A 5/22/02 LT
Revised Per Marked-Up Drawings From Ishaq Chanda.
MATERIAL SPECIFICATIONS:
Frame Anchor (Inswing Doors)
Regent, Omega, Imperial & Versadoor
Installation Details
CECO DOOR PRODUCTS
Milan, Tennessee 38358
ISSUE REVISIONS
DRAWN BY: LT
DATE: 5/22/02
DRAWING NUMBER: RD0728
Sheet 2 of 9

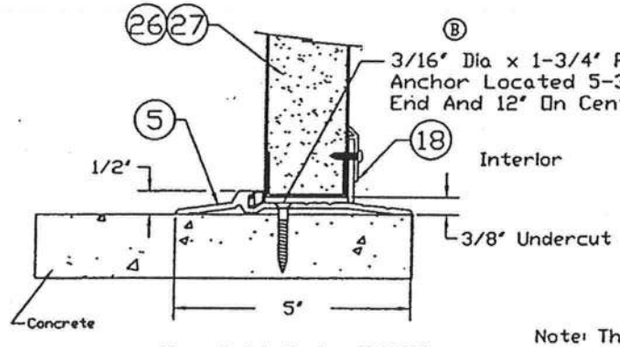
*Note: Structural Member At Header Must Be Designed To carry 58.3#/ft. load Imposed And Must Be Reviewed By Building Official.





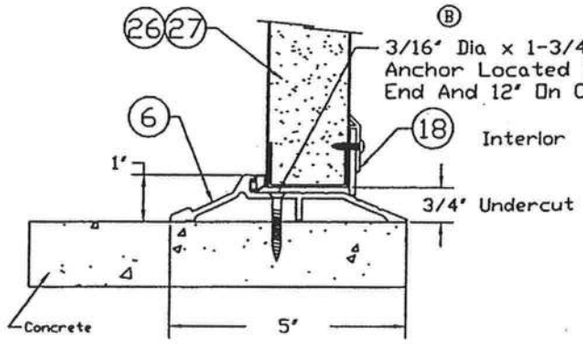
Inswing
(Not Approved For Water)

Section Y-Y



Threshold: Pemko 2005AV

Note: Thresholds Not Approved For Water.



Threshold: Pemko 181AV

Approved as complying with the Florida Building Code
Date OCT 31, 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By Ishaq I. Chanda

D	10/18/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda
C	9/29/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda

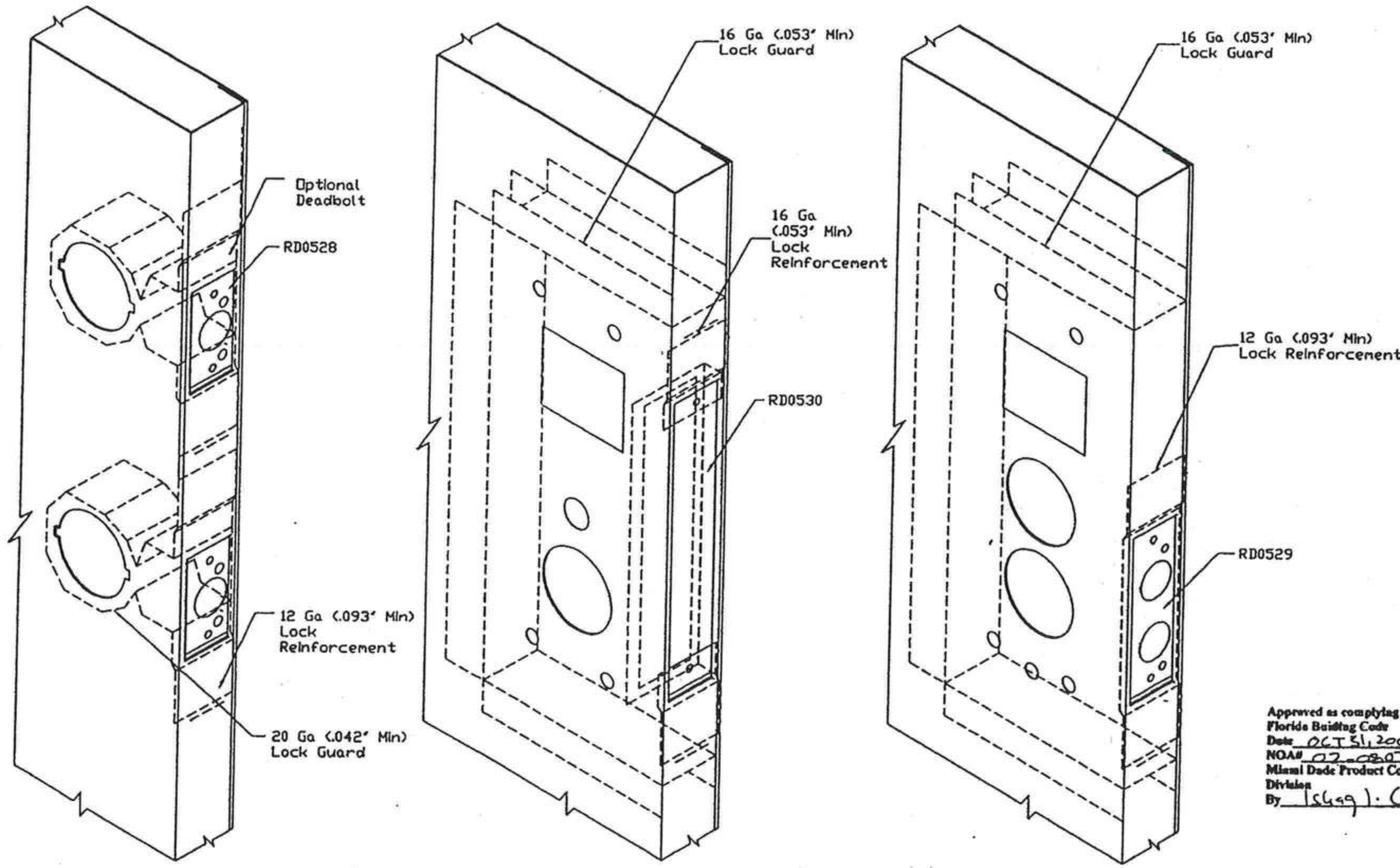
ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/22/02

MATERIAL SPECIFICATIONS:

Threshold & Weatherstrip (Inswing Doors)
Regent, Omega, Imperial, Versadoor
Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

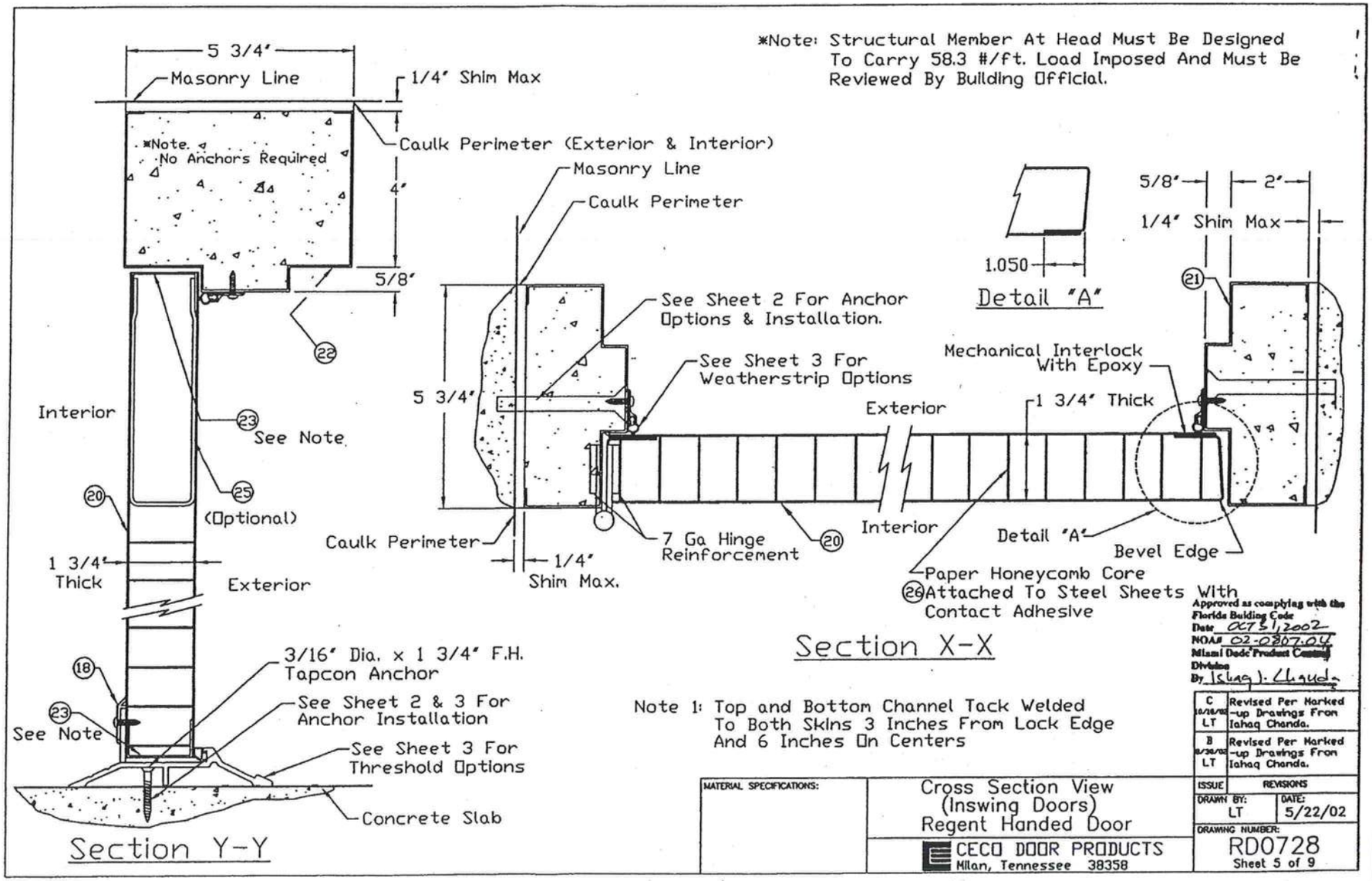
RD0728
Sheet 3 Of 9



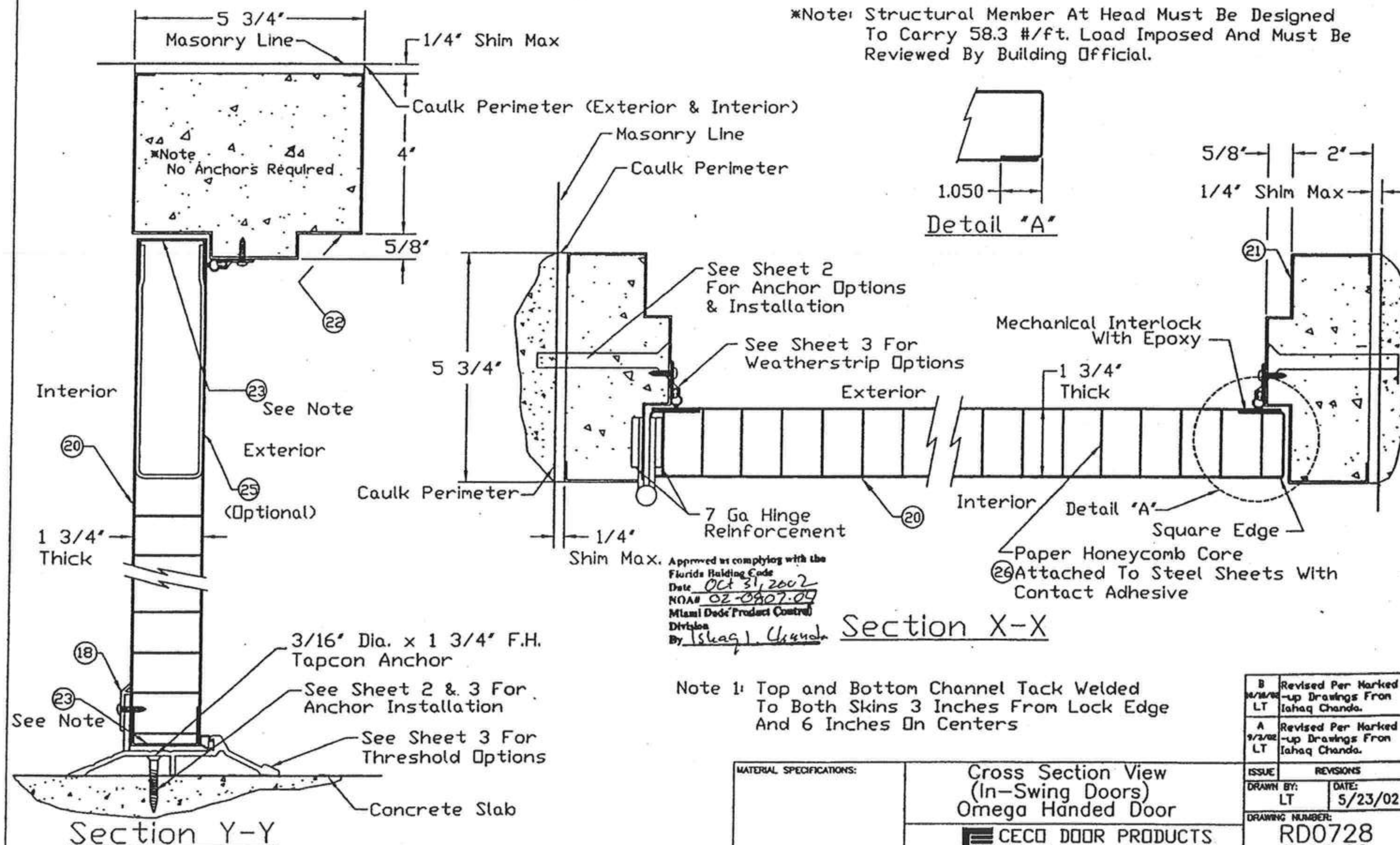
Schlage AL53PD   Saflok MT   Saflok Premier SL2500

Approved as complying with the Florida Building Code
Date OCT 31, 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By Ishaq I. Chanda

MATERIAL SPECIFICATIONS:	Lock Reinforcement (Inswing Doors) Regent, Omega, Imperial, Versadoor Reinforcement Details	A 8/29/02 LT — Added RD0528, RD0529 & RD0530. ISSUE — REVISIONS
	CECO DOOR PRODUCTS Milan, Tennessee 38358	DRAWN BY: LT — DATE: 5/28/02 DRAWING NUMBER: RD0728 Sheet 4 of 9


*Note: Structural Member At Head Must Be Designed To Carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.
5 3/4"
Masonry Line
1/4" Shim Max
*Note. No Anchors Required
Caulk Perimeter (Exterior & Interior)
4"
5/8"
22
Interior
23
See Note
25
(Optional)
20
1 3/4" Thick
Exterior
18
23
See Note
3/16" Dia. x 1 3/4" F.H. Tapcon Anchor
See Sheet 2 & 3 For Anchor Installation
See Sheet 3 For Threshold Options
Concrete Slab
Section Y-Y
Masonry Line
Caulk Perimeter
See Sheet 2 For Anchor Options & Installation.
See Sheet 3 For Weatherstrip Options
5 3/4"
Caulk Perimeter
1/4" Shim Max.
7 Ga Hinge Reinforcement
20
Exterior
Interior
1.050
Detail "A"
5/8"
2"
1/4" Shim Max
21
Mechanical Interlock With Epoxy
1 3/4" Thick
Detail 'A'
Bevel Edge
Paper Honeycomb Core
26 Attached To Steel Sheets With Contact Adhesive
Section X-X
Note 1: Top and Bottom Channel Tack Welded To Both Skins 3 Inches From Lock Edge And 6 Inches On Centers
Approved as complying with the Florida Building Code
Date OCT 31, 2002
NOA# 02-0207.04
Miami Dade Product Control Division
By Ishaq Chanda
C 10/16/02 LT Revised Per Marked -up Drawings From Ishaq Chanda.
B 8/28/02 LT Revised Per Marked -up Drawings From Ishaq Chanda.
ISSUE REVISIONS
DRAWN BY: LT
DATE: 5/22/02
DRAWING NUMBER: RD0728
Sheet 5 of 9
MATERIAL SPECIFICATIONS:
Cross Section View (Inswing Doors) Regent Handed Door
CECO DOOR PRODUCTS
Milan, Tennessee 38358

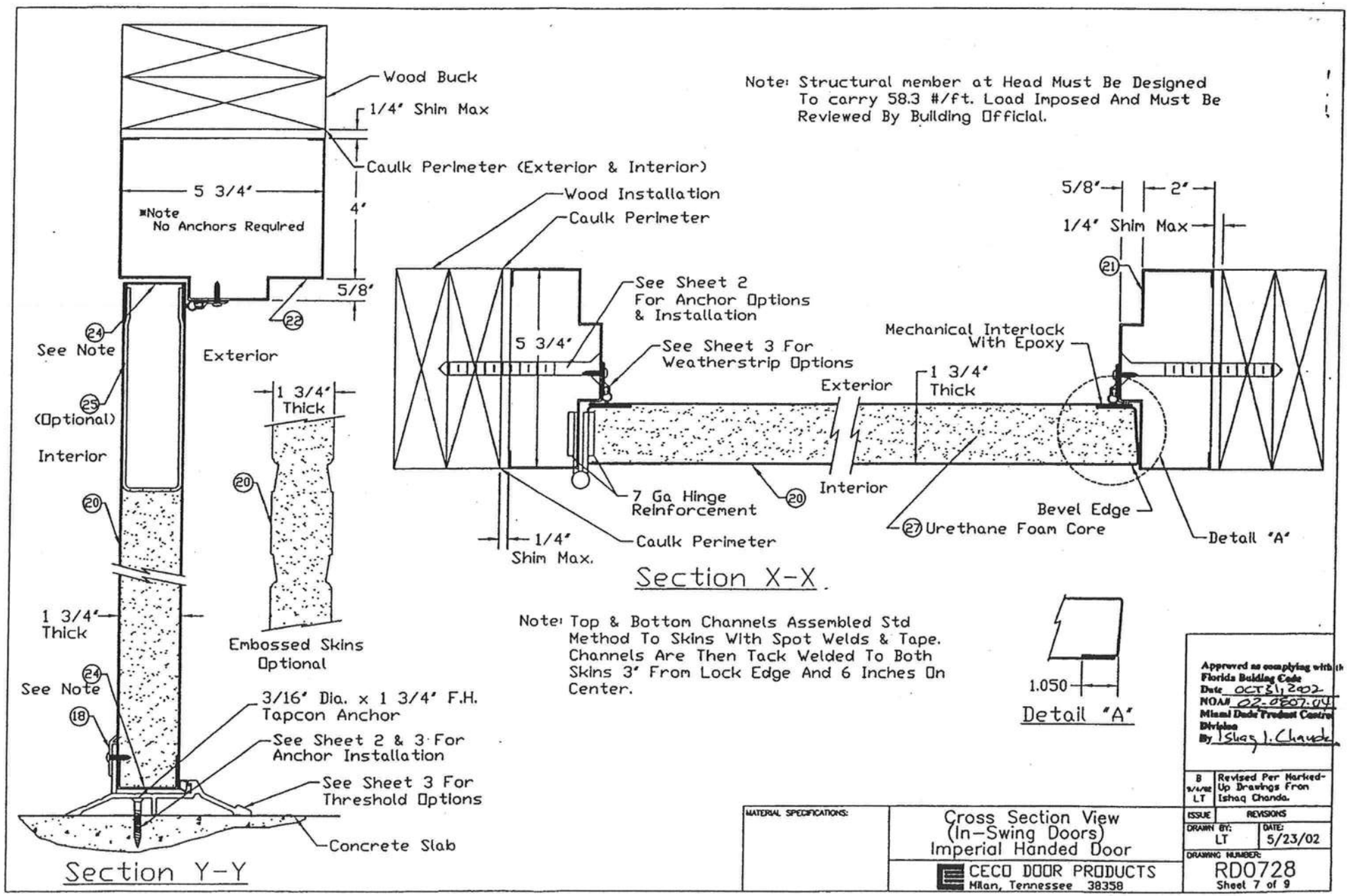
*Note: Structural Member At Head Must Be Designed To Carry 58.3 #/ft. Load Imposed And Must Be Reviewed By Building Official.

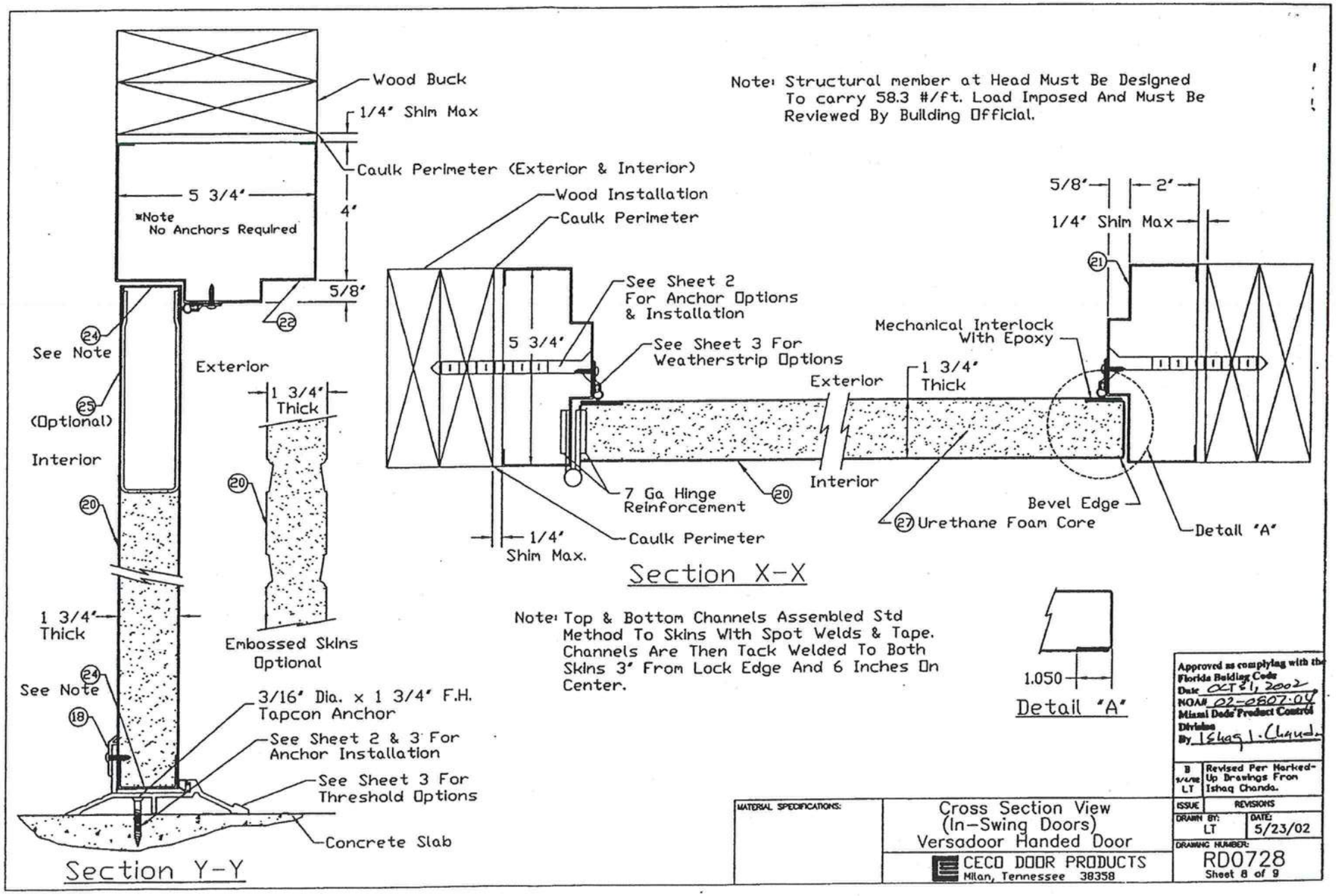


Approved as complying with the Florida Building Code
Date Oct 31, 2002
NOA# 02-0807.09
Miami Dade Product Control Division
By Ishaq I. Chanda

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

MATERIAL SPECIFICATIONS:	Cross Section View (In-Swing Doors) Omega Handed Door	ISSUE	REVISIONS
		B 10/18/02 LT	Revised Per Marked-up Drawings From Ishaq Chanda.
		A 9/3/02 LT	Revised Per Marked-up Drawings From Ishaq Chanda.
	CECO DOOR PRODUCTS Milan, Tennessee 38358	DRAWN BY: LT	DATE: 5/23/02
		DRAWING NUMBER: RD0728	Sheet 6 of 9


Wood Buck
1/4" Shim Max
Caulk Perimeter (Exterior & Interior)
5 3/4"
*Note
No Anchors Required
4"
5/8"
22
24
See Note
Exterior
25
(Optional)
Interior
20
1 3/4"
Thick
24
See Note
18
3/16" Dia. x 1 3/4" F.H.
Tapcon Anchor
See Sheet 2 & 3 For
Anchor Installation
See Sheet 3 For
Threshold Options
Concrete Slab
Section Y-Y
1 3/4"
Thick
20
Embossed Skins
Optional
Note: Structural member at Head Must Be Designed
To carry 58.3 #/ft. Load Imposed And Must Be
Reviewed By Building Official.
Wood Installation
Caulk Perimeter
See Sheet 2
For Anchor Options
& Installation
5 3/4"
See Sheet 3 For
Weatherstrip Options
7 Ga Hinge
Reinforcement
20
Interior
Exterior
1 3/4"
Thick
1/4"
Shim Max.
Caulk Perimeter
Section X-X
5/8"
2"
1/4" Shim Max
21
Mechanical Interlock
With Epoxy
Bevel Edge
27 Urethane Foam Core
Detail "A"
Note: Top & Bottom Channels Assembled Std
Method To Skins With Spot Welds & Tape.
Channels Are Then Tack Welded To Both
Skins 3" From Lock Edge And 6 Inches On
Center.
1.050
Detail "A"
Approved as complying with the
Florida Building Code
Date OCT 31, 2002
NOA# 02-0807.04
Miami Dade Product Control
Division
By Ishaq I. Chanda
B 9/4/02 LT
Revised Per Marked-Up Drawings From Ishaq Chanda.
ISSUE
REVISIONS
DRAWN BY: LT
DATE: 5/23/02
DRAWING NUMBER: RD0728
Sheet 7 of 9
MATERIAL SPECIFICATIONS:
Cross Section View
(In-Swing Doors)
Imperial Handed Door
CECO DOOR PRODUCTS
Milan, Tennessee 38358


Wood Buck
1/4" Shim Max
Caulk Perimeter (Exterior & Interior)
5 3/4"
*Note
No Anchors Required
4"
5/8"
22
24
See Note
25
(Optional)
Interior
Exterior
1 3/4"
Thick
20
1 3/4"
Thick
24
See Note
18
Embossed Skins
Optional
3/16" Dia. x 1 3/4" F.H.
Tapcon Anchor
See Sheet 2 & 3 For
Anchor Installation
See Sheet 3 For
Threshold Options
Concrete Slab
Section Y-Y
Note: Structural member at Head Must Be Designed
To carry 58.3 #/ft. Load Imposed And Must Be
Reviewed By Building Official.
Wood Installation
Caulk Perimeter
See Sheet 2
For Anchor Options
& Installation
5 3/4"
See Sheet 3 For
Weatherstrip Options
7 Ga Hinge
Reinforcement
20
1/4"
Shim Max.
Caulk Perimeter
Exterior
Interior
Section X-X
Note: Top & Bottom Channels Assembled Std
Method To Skins With Spot Welds & Tape.
Channels Are Then Tack Welded To Both
Skins 3" From Lock Edge And 6 Inches On
Center.
5/8"
2"
1/4" Shim Max
21
Mechanical Interlock
With Epoxy
1 3/4"
Thick
Bevel Edge
27 Urethane Foam Core
Detail "A"
1.050
Detail "A"
Approved as complying with the
Florida Building Code
Date OCT 21, 2002
NOA# 02-0807.04
Miami Dade Product Control
Division
By Ishaq I. Chanda
B
5/6/02
LT
Revised Per Marked-
Up Drawings From
Ishaq Chanda.
ISSUE
REVISIONS
DRAWN BY:
LT
DATE:
5/23/02
DRAWING NUMBER:
RD0728
Sheet 8 of 9
MATERIAL SPECIFICATIONS:
Cross Section View
(In-Swing Doors)
Versadoor Handed Door
CECO DOOR PRODUCTS
Milan, Tennessee 38358

1	Cylindrical Lock & Lock Reinforcement (RD0528)	Schlage	AL53PD
1A	Deadbolt (Optional) Ⓓ	Schlage	B100
2	Or Cylindrical Lock & Lock Reinforcement	Saflok	Premier SL2500
3	Or Mortise Lock	Saflok	MT
4	Caulk	Dow Corning	899 Silicone Glazing Sealant
5	Threshold	Pemko	2005AV36
6	Or	Pemko	181AV36
7	Weatherstrip	Pemko	303AV3684
8	Hinge (Ball Bearing)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 MS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
9	Or (Spring)	Hager or Equal (Attached w/ (8) #12-24 x 1/2 MS Per Hinge)	4-1/2 x 4-1/2 x .134 (Std Weight)
10	Weatherstrip	Pemko	S88
11	Frame Anchor	Masonary Tee (RD0057)	16 ga (.053" min) Galv Steel Fymin = 30ksi
12	Or	Wire, Relaxed Dimension 9" x 8"	#7 (.167 " min) Galv Steel Wire (70,000 - 90,000 psi Tensile Strength)
13	Or	Expansion Bolt	3/8" x 5" F.H. Rawl Lok/Bolt Or 3/8" x 5" F.H. Ramset/RED Head
14	Or	Wood Lag Screw	3/8" x 4-5/8"
15	Viewer	Hager	1755
16	Or	MAG Security	8724-C
17	Drip Cap; Top	Pemko	346
18	Sweep	Pemko	315 N
19	Floor Anchor	Fixed Floor Anchor	16 ga (.053" min) galvanized Steel
20	Face Sheet A60 Galv Conforming To ASTM A653	Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 Ga (.053" min)
21	Series SF, Frame Jamb, Double Rabbet Profile, A60 Galv Conforming To ASTM A653	16 Ga (.053" min) Commercial Steel Type B (Minimum Yield Strength 30,000psi)	2" Face, 5-3/4" Depth Min. (RD0033)
22	Series SF, Frame Head, Double Rabbet, Profile A60 Galv Conforming To ASTM A653	16 Ga (.053" min) Commercial Steel Type B (Minimum Yield Strength 30,000psi)	4" Face, 5-3/4" Depth Min. (RD0033)
23	Door Channels; Spot Welded To Bottom Skin Glued To Top Skin; Tack Welded To Both	16 Ga (.053" min) A60 Galv Conforming To ASTM A653 Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 ga (.053" min) x 1" x 1-3/4" x 1"
24	Door Channels; Spot Welded To Bottom Skin Taped To Top Skin; Tack Welded To Both	16 Ga (.053" min) A60 Galv Conforming To ASTM A653 Commercial Steel Type B (Minimum Yield Strength 30,000psi)	16 ga (.053" min x 1" x 1-3/4" x 1"
25	Closer Reinforcement (Optional)	12 Ga (.093" min) CS Type B	12 ga (.093" min) x 5-3/8" x 16"
26	Honeycomb Core	Non-Impregnated Kraft Paper Ⓔ	1.2" Nominal Cell Size
27	Urethane Core	Foam Enterprises	2 lb/ft^3 Density

Approved as complying with the Florida Building Code
Date Oct 31, 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By Ishaq I. Chanda

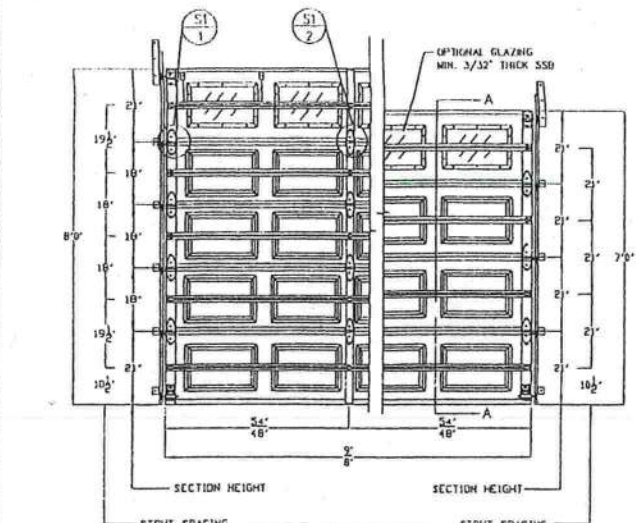
B	10/10/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.
A	9/4/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda.

MATERIAL SPECIFICATIONS:

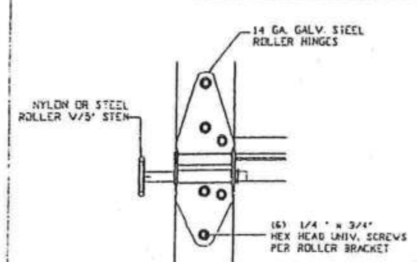
3-0 x 7-0 Series In-Swing Bill Of Materials

CECO DOOR PRODUCTS
Milan, Tennessee 38358

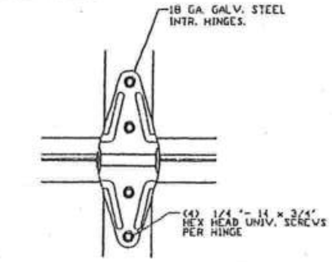
ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/28/02
DRAWING NUMBER: RD0728 Sheet 9 Of 9	



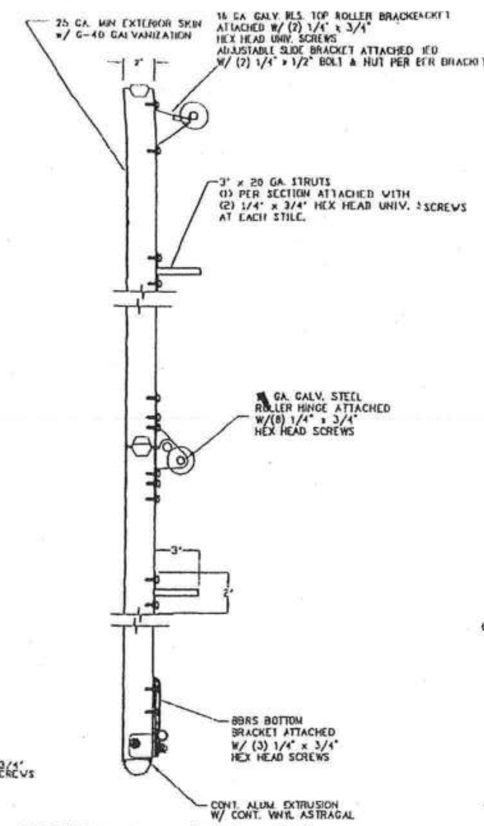
INSIDE ELEVATION



TYP. ROLLER BRACKET (S1/1)
N.T.S.



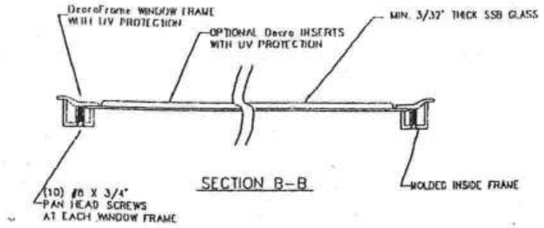
TYP. HINGE CONNECTION (S1/2)
N.T.S.



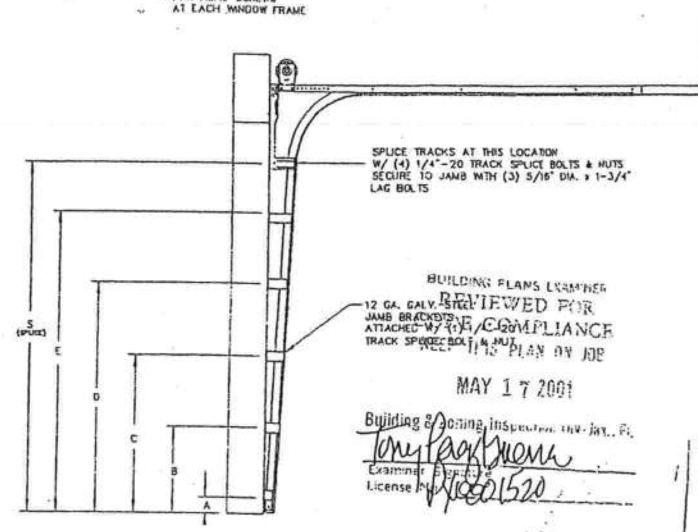
SECTION A-A (SIDE VIEW)

GLAZING OPTION CROSS SECTION

TEST No. SBC-580-011 ON OCTOBER 12, 1995 INCLUDED GLASS WINDOWS IN THE DOOR BEING USED. THE TEST PRESSURES WERE +48.4 PSF AND -54.7 PSF. BY COMPARISON, FOUR (4) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OF THE 9' X 7' AND 8' X 8' MODEL 600 AND 950 DOORS



SECTION B-B



BUILDING PLANS EXAMINER
REVIEWED FOR
CODE COMPLIANCE
KEEP THIS PLAN ON JOB
MAY 1 7 2001
Building & Zoning Inspection Inv.-Jax., Fl.
Examiner
License No.

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

JAMB BRACKET LOCATIONS

	A	B	C	D	E	S
6'-6'	4'	21-1/2'	39'	57'		70'
7'-0'	4'	21-1/2'	42'	63'		76'
7'-6'	4'	18'	36'	54'	72'	82'
8'-0'	4'	21-1/2'	39'	57'	75'	88'

SPECIFICATIONS AND NOTES

1. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
2. DOOR SECTIONS SHALL BE 25 GA. (.019") MIN. ROLL FORMED LIGHT COMMERCIAL QUALITY. G-40 GALVANIZATION
3. DOORS UP TO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN.
4. DOORS UP TO 8'0" HIGH CONSIST OF (5) SECTIONS AS SHOWN
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330-90, AND THE SOUTHERN BUILDING CODE SECTION 1606 WIND LOAD DESIGN CRITERIA. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING THE FOLLOWING PARAMETERS
   - A. BASIC WIND SPEED OF 110 MPH
   - B. DOOR CAN BE INSTALLED WITHIN 5 FEET OF DOORS WIDTH INSIDE THE EDGE STRIP.
   - C. 15' MEAN ROOF HEIGHT AT ANY SLOPE
   - D. USE FACTOR OF 1.0
   - E. EXPOSURE RATING OF C

WOOD JAMB ATTACHMENT TO STRUCTURE

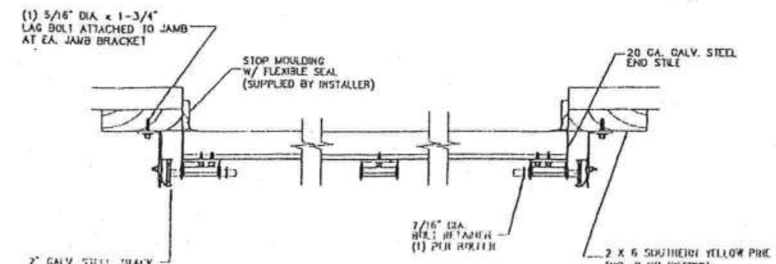
RATED FOR 110 MPH FASTEST-MILE BASIC WIND SPEEDS

VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C.

VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C.
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET RED HEAD 3/8" X 3" STARTING 6" FROM ENDS THEN 24" O.C.

VERTICAL JAMB ATTACHMENT TO C-90 BLOCK
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET TAPCON 1/4" X 2-3/4" STARTING 4" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 24" O.C.

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS



TRACK MOUNTING DETAIL

MAX SIZE
8' x 8'

DESIGN LOADS
+28.7 PSF
-31.3 PSF

TEST LOADS
+43.0 PSF
-46.9 PSF

Amarr
GARAGE DOORS

MODEL #600 STRATFORD
MODEL #950 HERITAGE III

DRAWING NUMBER: SBC-580-007-J
SHEET 1 OF 1

Architectural Testing

ANSI/AAMA/NWWDA 101/I.S.2-97
TEST REPORT

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 480/680/880 Drop-in
PRODUCT TYPE: Aluminum Horizontal Sliding Window (XO-Fin)

	Results	
Title	**Test Specimen #1**	**Test Specimen #2**
Rating	HS-C30 71 x 71	HS-C40 71 x 59
Operating Force	11 lbf max.	14 lbf max.
Air Infiltration	0.11 cfm/ft^2	0.09 cfm/ft^2
Water Resistance Test Pressure	5.3 psf	6.0 psf
Uniform Load Deflection Test Pressure	± 30.0 psf	+ 45.0 psf -47.2 psf
Uniform Structural Load Test Pressure	± 45.0 psf	+ 67.5 psf -70.8 psf
Forced Entry Resistance	Grade 10	Grade 10

Reference should be made to ATI Report Identification No. 01-47320.03 for complete test specimen description and data.

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

Architectural Testing

ANSI/AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

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

ATI Report Identification No.: 01-47320.03
Test Dates: 10/07/03
Through: 10/08/03
And: 12/01/03
And: 12/15/03
And: 03/17/04
Report Date: 04/16/04
Expiration Date: 10/07/07

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to witness testing on two Series/Model 480/680/880 Drop-in, aluminum horizontal sliding windows at MI Home Products, Inc. test facility in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: HS-C30 71 x 71; Test Specimen #2: HS-C40 71 x 59. Test specimen description and results are reported herein.

Test Specification: The test specimens were evaluated in accordance with ANSI/AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.*

Test Specimen Description:

Series/Model: 480/680/880 Drop-in

Product Type: Aluminum Horizontal Sliding Window (XO Fin)

Test Specimen #1: HS-C30 71 x 71

Overall Size: 5' 11-7/16" wide by 5' 11" high

Active Sash Size: 2' 11-5/8" wide by 5' 8-3/8" high

Fixed Daylight Opening Size: 2' 8-3/16" wide by 5' 5-5/8" high

Screen Size: 2' 10" wide by 5' 6-1/2" high

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

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.250" high by 0.187" backed polypile with center fin	1 Row	Active sash top and bottom rails and fixed meeting rail interlock
0.250" high by 0.187" backed polypile with center fin	2 Rows	Jamb stile

Test Specimen #2: HS-C40 71 x 59

Overall Size: 5' 11-3/8" wide by 4' 11-1/8" high

Active Sash Size: 2' 11-5/8" wide by 4' 8-1/4" high

Fixed Daylight Opening Size: 2' 8-1/4" wide by 4' 5-7/8" high

Screen Size: 2' 10-1/4" wide by 4' 7-1/8" high

Weatherstripping:

Description	Quantity	Location
0.310" high by 0.187" backed polypile with center fin	1 Row	Active sash top and bottom rails
0.250" high by 0.187" backed polypile with center fin	1 Rows	Fixed meeting rail interlock
0.310" high by 0.187" backed polypile with center fin	2 Rows	Jamb stile
0.550" high by 1" by 1" backed polypile pad	1 Pad	Corner of bottom rail and locking stile

Test Specimen Description: (Continued)

The following descriptions apply to all specimens.

Finish: All aluminum was white.

Glazing Details: The window utilized 5/8" thick sealed insulating glass constructed from two sheets of 1/8" thick clear annealed glass and a Swiggle spacer system. The lites were interior glazed onto double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

Frame Construction: The frame was constructed of thermally broken extruded aluminum. The corners were secured utilizing three #8 x 1" screws per corner through the jambs into the head and sill screw bosses. End caps were utilized on the ends of the fixed meeting rails and secured with two #8 x 3/4" screws per cap. The meeting rails were then secured to the frame with two #8 x 3/4" screws.

Sash Construction: The sash was constructed of thermally broken extruded aluminum. The corners were secured utilizing one #8 x 1" screw per corner through the head and sill into the jambs screw boss.

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

Hardware:

Description	Quantity	Location
Cam lock	1	One midspan of active panel with integral lock keeper on fixed meeting stile
Roller assembly	2	One each end of bottom rail
Screen constant force spring	2	5" from rails on screen stiles
Screen lift handles	2	5" from rails on screen stiles

Drainage:

Description	Quantity	Location
1-1/4" long by 1/4" wide weepslot with cover	2	3-1/2" from jambs on sill face
1/2" long by 1/8" wide weepslot	2	2" from jambs on sill track

Reinforcement: No reinforcement was utilized.

Installation: The window was installed into a #2 Spruce-Pine-Fir wood buck. The window was secured utilizing #8 x 1-5/8" drywall screws located in corners and 12" on center around nail-fin perimeter. Silicone was utilized around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: HS-C30 71 x 71			
2.2.2.5.1	Operating Force	11 lbf	25 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.11 cfm/ft^2	0.3 cfm/ft^2 max.

***Note #1**: The tested specimen meets the performance levels specified in ANSI/AAMA/NWWDA 101/I.S. 2-97 for air infiltration.*

2.1.3	Water Resistance per ASTM E 547-00 (with and without screen) 4.50 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	30.0 psf (positive)	0.75"	See Note #2
	30.0 psf (negative)	0.71"	See Note #2

***Note #2**: The Uniform Load Deflection test is not requirement of ANSI/AAMA/NWWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.*

2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	45.0 psf (positive)	0.13"	0.26" max.
	45.0 psf (negative)	<0.01"	0.26" max.
2.2.2.5.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Handle stile	0.13"/25%	0.50"/100%
	Lock stile	0.19"/38%	0.50"/100%
	In remaining direction - 50 lbs		
	Top rail	0.09"/19%	0.50"/100%
	Bottom rail	0.06"/13%	0.50"/100%

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: HS-C30 71 x 71 (Continued)			
2.1.8	Forced Entry Resistance per ASTM F 588		
Type: A	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance per ASTM E 547-00 (with and without screen) 5.3 psf	No leakage	No leakage
Test Specimen #2: HS-C40 71 x 59			
2.2.2.5.1	Operating Force	14 lbf	25 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.09 cfm/ft^2	0.3 cfm/ft^2 max.
***Note #1**: The tested specimen meets the performance levels specified in ANSI/AAMA/NWWDA 101/I.S. 2-97 for air infiltration.*			
2.1.3	Water Resistance per ASTM E 547-00 (with and without screen) 4.50 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	30.0 psf (positive)	0.62"	See Note #2
	30.0 psf (negative)	0.51"	See Note #2
2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	45.0 psf (positive)	0.03"	0.21" max.
	45.0 psf (negative)	0.04"	0.21" max.

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #2: HS-C40 71 x 59 (Continued)			
2.2.2.5.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Handle stile	0.13"/25%	0.50"/100%
	Lock stile	0.13"/25%	0.50"/100%
	In remaining direction - 50 lbs		
	Top rail	0.03"/6%	0.50"/100%
	Bottom rail	0.03"/6%	0.50"/100%
2.1.8	Forced Entry Resistance per ASTM F 588		
	Type: A	Grade: 10	
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance per ASTM E 547-00 (with and without screen) 6.0 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	45.0 psf (positive)	0.62"	See Note #2
	47.2 psf (negative)	0.54"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	67.5 psf (positive)	0.04"	0.21" max.
	70.8 psf (negative)	0.08"	0.21" max.

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

For ARCHITECTURAL TESTING, INC

Digitally Signed by: Eric Westphal

Eric Westphal
Technician

Digitally Signed by: Steven M. Urich

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

EW:dme
01-47320.03

APRIL 20, 2004

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Suwannee Model Cannon Creek**	Builder:	**John Norris**
Address:	**Lot: 44, Sub: Cannon Creek, Plat:**	Permitting Office:	**Columbia County**
City, State:	**Lake City, Fl**	Permit Number:	
Owner:	**Pete Giebeig**	Jurisdiction Number:	
Climate Zone:	**South**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1344 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	172.0 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 160.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Face Brick, Wood, Exterior		R=13.0, 1120.0 ft²	
b. Frame, Wood, Adjacent		R=13.0, 160.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1344.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 50.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 24.0 kBtu/hr	
	SEER: 12.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 24.0 kBtu/hr	
	HSPF: 7.40	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT, CF,	

Glass/Floor Area: 0.13

Total as-built points: 18258
Total base points: 23597

PASS

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

PREPARED BY: _____

DATE: _____

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 44, Sub: Cannon Creek, Plat: , Lake City, Fl,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	1344.0	32.50	7862.4	Double, Clear	E	1.5	6.0	15.0	68.60	0.92	944.1	
				Double, Clear	E	1.5	8.0	40.0	68.60	0.96	2631.8	
				Double, Clear	E	1.5	6.0	60.0	68.60	0.92	3776.2	
				Double, Clear	N	1.5	2.0	5.0	31.93	0.76	122.1	
				Double, Clear	W	1.5	6.0	48.0	61.59	0.92	2714.0	
				Double, Clear	W	1.5	3.0	4.0	61.59	0.75	184.7	
				As-Built Total:				**172.0**			**10372.9**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	160.0	1.00	160.0	Face Brick, Wood, Exterior			13.0	1120.0	0.98		1092.0	
Exterior	1120.0	2.70	3024.0	Frame, Wood, Adjacent			13.0	160.0	0.90		144.0	
Base Total:	**1280.0**		**3184.0**	**As-Built Total:**				**1280.0**			**1236.0**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	17.8	2.60	46.2	Exterior Insulated				20.0	6.40		128.0	
Exterior	20.0	6.40	128.0	Adjacent Insulated				17.8	2.60		46.2	
Base Total:	**37.8**		**174.2**	**As-Built Total:**				**37.8**			**174.2**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1344.0	2.80	3763.2	Under Attic			30.0	1344.0	2.77 X 1.00		3722.9	
Base Total:	**1344.0**		**3763.2**	**As-Built Total:**				**1344.0**			**3722.9**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	160.0(p)	-20.0	-3200.0	Slab-On-Grade Edge Insulation			0.0	160.0(p	-20.00		-3200.0	
Raised	0.0	0.00	0.0									
Base Total:			**-3200.0**	**As-Built Total:**				**160.0**			**-3200.0**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1344.0	18.79	25253.8					1344.0	18.79		25253.8	

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 44, Sub: Cannon Creek, Plat: , Lake City, Fl,** PERMIT #:

BASE			AS-BUILT					
Summer Base Points:		**37037.6**	**Summer As-Built Points:**					**37559.7**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
37037.6	**0.4266**	**15800.2**	37559.7 **37559.7**	1.000 **1.00**	(1.073 x 1.165 x 0.90) **1.125**	0.284 **0.284**	0.902 **0.902**	10837.0 **10837.0**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 44, Sub: Cannon Creek, Plat: , Lake City, Fl,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	1344.0	2.36	570.9	Double, Clear	E	1.5	6.0	15.0	3.30	1.02	50.5	
				Double, Clear	E	1.5	8.0	40.0	3.30	1.02	134.0	
				Double, Clear	E	1.5	6.0	60.0	3.30	1.02	202.2	
				Double, Clear	N	1.5	2.0	5.0	4.38	0.97	21.3	
				Double, Clear	W	1.5	6.0	48.0	3.98	1.00	190.6	
				Double, Clear	W	1.5	3.0	4.0	3.98	1.01	16.0	
				As-Built Total:				**172.0**			**614.7**	
WALL TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Adjacent	160.0	0.50	80.0	Face Brick, Wood, Exterior			13.0	1120.0	0.43		476.0	
Exterior	1120.0	0.60	672.0	Frame, Wood, Adjacent			13.0	160.0	0.50		80.0	
Base Total:	**1280.0**		**752.0**	**As-Built Total:**				**1280.0**			**556.0**	
DOOR TYPES	Area X	BWPM	= Points	Type				Area X	WPM	=	Points	
Adjacent	17.8	1.30	23.1	Exterior Insulated				20.0	1.80		36.0	
Exterior	20.0	1.80	36.0	Adjacent Insulated				17.8	1.30		23.1	
Base Total:	**37.8**		**59.1**	**As-Built Total:**				**37.8**			**59.1**	
CEILING TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	1344.0	0.10	134.4	Under Attic			30.0	1344.0	0.10 X	1.00	134.4	
Base Total:	**1344.0**		**134.4**	**As-Built Total:**				**1344.0**			**134.4**	
FLOOR TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points	
Slab	160.0(p)	-2.1	-336.0	Slab-On-Grade Edge Insulation			0.0	160.0(p	-2.10		-336.0	
Raised	0.0	0.00	0.0									
Base Total:			**-336.0**	**As-Built Total:**				**160.0**			**-336.0**	
INFILTRATION	Area X	BWPM	= Points					Area X	WPM	=	Points	
	1344.0	-0.06	-80.6					1344.0	-0.06		-80.6	

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 44, Sub: Cannon Creek, Plat: , Lake City, Fl,** PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**1099.8**	**Winter As-Built Points:**						**947.5**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
1099.8	**0.6274**	**690.0**	947.5 **947.5**	1.000 **1.00**	(1.099 x 1.137 x 0.91) **1.137**	0.461 **0.461**	0.950 **0.950**	471.7 **471.7**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 44, Sub: Cannon Creek, Plat: , Lake City, Fl,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2369.00	7107.0	50.0	0.90	3	1.00	2316.36	1.00	6949.1	
				As-Built Total:						**6949.1**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
15800	**690**	**7107**	**23597**	**10837**	**472**	**6949**	**18258**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 44, Sub: Cannon Creek, Plat: , Lake City, Fl,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.5

The higher the score, the more efficient the home.

Pete Giebeig, Lot: 44, Sub: Cannon Creek, Plat: , Lake City, Fl,

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1344 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear - single pane	0.0 ft²	172.0 ft²	
b. Clear - double pane	0.0 ft²	0.0 ft²	
c. Tint/other SHGC - single pane	0.0 ft²	0.0 ft²	
d. Tint/other SHGC - double pane			
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 160.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Face Brick, Wood, Exterior		R=13.0, 1120.0 ft²	
b. Frame, Wood, Adjacent		R=13.0, 160.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1344.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 50.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 24.0 kBtu/hr	
	SEER: 12.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 24.0 kBtu/hr	
	HSPF: 7.40	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT, CF,	

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

Builder Signature: _____ Date: _____

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

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/488-1824.*

EnergyGauge® (Version: FLRCPB v3.30)

Residential System Sizing Calculation

Summary

Pete Giebeig

Lake City, Fl

Project Title:
Suwannee Model Cannon Creek

Code Only
Professional Version
Climate: South

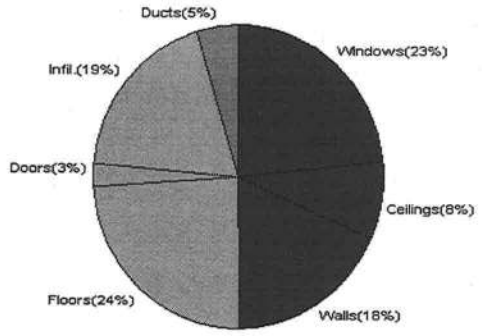
9/26/2005

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	98	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	23	F
Total heating load calculation	**20773**	**Btuh**	**Total cooling load calculation**	**18830**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	115.5	24000	Sensible (SHR = 0.5)	79.0	12000
Heat Pump + Auxiliary(0.0kW)	115.5	24000	Latent	329.3	12000
			Total (Electric Heat Pump)	127.5	24000

WINTER CALCULATIONS

Winter Heating Load (for 1344 sqft)

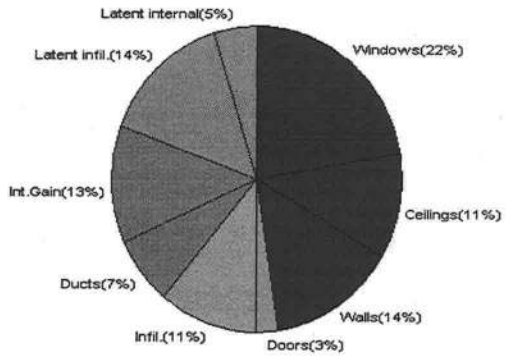
Load component			Load	
Window total	172	sqft	4868	Btuh
Wall total	1280	sqft	3728	Btuh
Door total	38	sqft	534	Btuh
Ceiling total	1344	sqft	1747	Btuh
Floor total	160	ft	5056	Btuh
Infiltration	90	cfm	3852	Btuh
Subtotal			**19784**	**Btuh**
Duct loss			989	Btuh
TOTAL HEAT LOSS			**20773**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1344 sqft)

Load component			Load	
Window total	172	sqft	4222	Btuh
Wall total	1280	sqft	2627	Btuh
Door total	38	sqft	471	Btuh
Ceiling total	1344	sqft	2097	Btuh
Floor total			0	Btuh
Infiltration	79	cfm	1987	Btuh
Internal gain			2400	Btuh
Subtotal(sensible)			**13805**	**Btuh**
Duct gain			1381	Btuh
Total sensible gain			**15186**	**Btuh**
Latent gain(infiltration)			2724	Btuh
Latent gain(internal)			920	Btuh
Total latent gain			**3644**	**Btuh**
TOTAL HEAT GAIN			**18830**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: William J. Free

DATE: 9/26/05

System Sizing Calculations - Winter

Residential Load - Component Details

Pete Giebeig

Lake City, Fl

Project Title:
Suwannee Model Cannon Creek

Code Only
Professional Version
Climate: South

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

9/26/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	15.0	28.3	424 Btuh
2	2, Clear, Metal, DEF	N	40.0	28.3	1132 Btuh
3	2, Clear, Metal, DEF	N	60.0	28.3	1698 Btuh
4	2, Clear, Metal, DEF	W	5.0	28.3	142 Btuh
5	2, Clear, Metal, DEF	S	48.0	28.3	1358 Btuh
6	2, Clear, Metal, DEF	S	4.0	28.3	113 Btuh
	Window Total		172		4868 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1120	3.1	3472 Btuh
2	Frame - Adjacent	13.0	160	1.6	256 Btuh
	Wall Total		1280		3728 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		20	18.3	367 Btuh
2	Insulated - Adjac		18	9.4	167 Btuh
	Door Total		38		534Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1344	1.3	1747 Btuh
	Ceiling Total		1344		1747Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	160.0 ft(p)	31.6	5056 Btuh
	Floor Total		160		5056 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	13440(sqft)	90	3852 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			90	3852 Btuh

Totals for Heating	**Subtotal**	**19784 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**989 Btuh**
	Total Btuh Loss	**20773 Btuh**

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

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

System Sizing Calculations - Summer

Residential Load - Component Details

Pete Giebeig

Lake City, Fl

Project Title:
Suwannee Model Cannon Creek

Code Only
Professional Version
Climate: South

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 9/26/2005

Window	Type Panes/SHGC/U/InSh/ExSh	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load	
1	2, Clear, DEF, N, N	N	1.5	6	15.0	0.0	15.0	24	24	360	Btuh
2	2, Clear, DEF, N, N	N	1.5	8	40.0	0.0	40.0	24	24	960	Btuh
3	2, Clear, DEF, N, N	N	1.5	6	60.0	0.0	60.0	24	24	1440	Btuh
4	2, Clear, DEF, N, N	W	1.5	2	5.0	3.1	1.9	24	74	214	Btuh
5	2, Clear, DEF, N, N	S	1.5	6	48.0	48.0	0.0	24	39	1152	Btuh
6	2, Clear, DEF, N, N	S	1.5	3	4.0	4.0	0.0	24	39	96	Btuh
	Window Total				172					4222	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Frame - Exterior	13.0	1120.0	2.1	2397	Btuh
2	Frame - Adjacent	13.0	160.0	1.4	230	Btuh
	Wall Total		1280.0		2627	Btuh

Doors	Type	Area	HTM	Load	
1	Insulated - Exter	20.0	12.5	250	Btuh
2	Insulated - Adjac	17.8	12.5	222	Btuh
	Door Total	37.8		471	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	1344.0	1.6	2097	Btuh
	Ceiling Total		1344.0		2097	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	160.0 ft(p)	0.0	0	Btuh
	Floor Total		160.0		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.35	13440	78.6	1987	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			79	1987	Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load	
	4	X 300	+	1200	2400	Btuh

Totals for Cooling			
	Subtotal	**13805**	**Btuh**
	Duct gain(using duct multiplier of 0.10)	**1381**	**Btuh**
	Total sensible gain	**15186**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**2724**	**Btuh**
	Latent occupant gain (4 people @ 230 Btuh per person)	**920**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**18830**	**Btuh**

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

EnergyGauge® FLRCPB v3.60

TAMKO®
ROOFING PRODUCTS

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

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

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

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-46

TAMKO Roofing Products, Inc.

2300 35th STREET P.O. BOX 2149 TUSCALOOSA, AL 35403-2149 205-752-3555 FAX 205-349-2049

Project Information for: **L132126**

Builder: Giebeig Homes
Lot : 8
Subdivision: Cannon Creek
County: Columbia
Truss Count: 31

Design Program: MiTek 20/20 6.2

September 26,2005

Truss Design Engineer: Lawrence A. Paine, PE
Florida License Number: 21475
Builders FirstSource, Jacksonville, FL. 32244

Truss Design Load Information:

Gravity:		**Wind:**	
Roof:	42.0 psf	Wind Standard:	ASCE 7-98
Floor:	N/A	Wind Speed:	110 mph

Building Code: FBC2004/TPI2002

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

Contractor of Record, responsible for structural engineering:

John David Norris Florida Registered General Contractor License No. RG0066597
Address: 351 NW Corwin GLN Lake City, FL 32055

Truss Design Engineer: Lawrence A. Paine, PE Florida P.E. License No. 21475
Company: Builders FirstSource - Florida, LLC
Address: 6550 Roosevelt Blvd. Jacksonville, FL 32244

Notes:

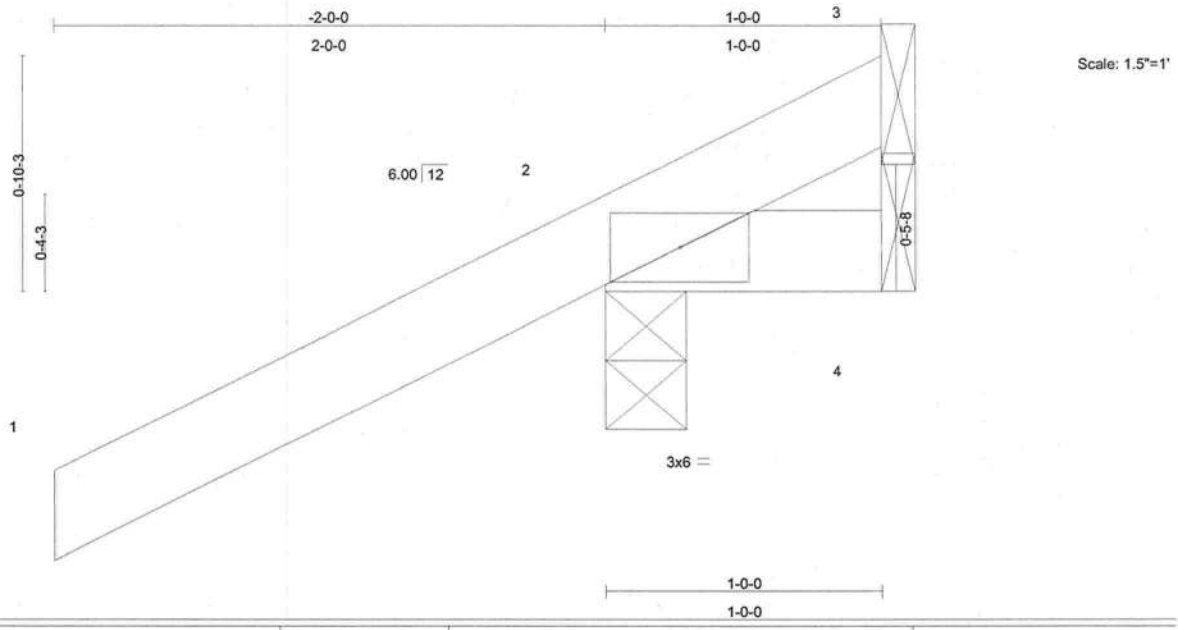
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building contractor of record, as defined in ANSI/TPI 1-2002 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. The 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 section 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 Lawerence A. Paine, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

#	Truss ID	Dwg. #	Seal Date
1	CJ1	J1504625	9/26/05
2	CJ3	J1504626	9/26/05
3	CJ5	J1504627	9/26/05
4	EJ3	J1504628	9/26/05
5	EJ7	J1504629	9/26/05
6	HJ4	J1504630	9/26/05
7	HJ9	J1504631	9/26/05
8	T01	J1504632	9/26/05
9	T02	J1504633	9/26/05
10	T03	J1504634	9/26/05
11	T04	J1504635	9/26/05
12	T05	J1504636	9/26/05
13	T06	J1504637	9/26/05
14	T07	J1504638	9/26/05
15	T08	J1504639	9/26/05
16	T09	J1504640	9/26/05
17	T10	J1504641	9/26/05
18	T11	J1504642	9/26/05
19	T12	J1504643	9/26/05
20	T13	J1504644	9/26/05
21	T14	J1504645	9/26/05
22	T15	J1504646	9/26/05
23	T16	J1504647	9/26/05
24	T17	J1504648	9/26/05
25	T18	J1504649	9/26/05
26	T19	J1504650	9/26/05
27	T20	J1504651	9/26/05
28	T21	J1504652	9/26/05
29	T22	J1504653	9/26/05
30	T23	J1504654	9/26/05
31	T24	J1504655	9/26/05

0509-92

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	CJ1	ROOF TRUSS	18	1	J1504625 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:26 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 7 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-69/71
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.14

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 2, 9 lb uplift at joint 4 and 90 lb uplift at joint 3.

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

LOAD CASE(S) Standard

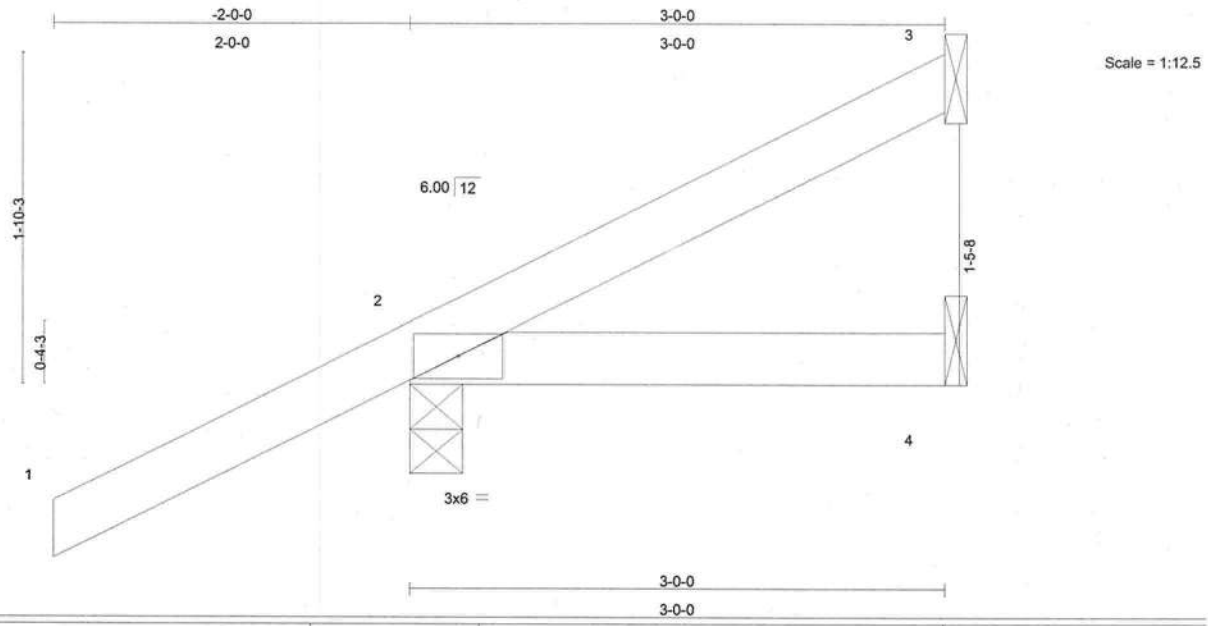
September 26,2005

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult QST-88 Quality Standard, DSB-89 Bracing Specification, and HIB-91 Handling Installing and Bracing Recommendation available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	CJ3	ROOF TRUSS	14	1	J1504626
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:26 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.01	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	0.01	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb	

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

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

REACTIONS (lb/size) 3=31/Mechanical, 2=278/0-3-8, 4=42/Mechanical
Max Horz 2=132(load case 5)
Max Uplift 3=-25(load case 4), 2=-238(load case 5), 4=-27(load case 3)

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 = 0.14

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 3, 238 lb uplift at joint 2 and 27 lb uplift at joint 4.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

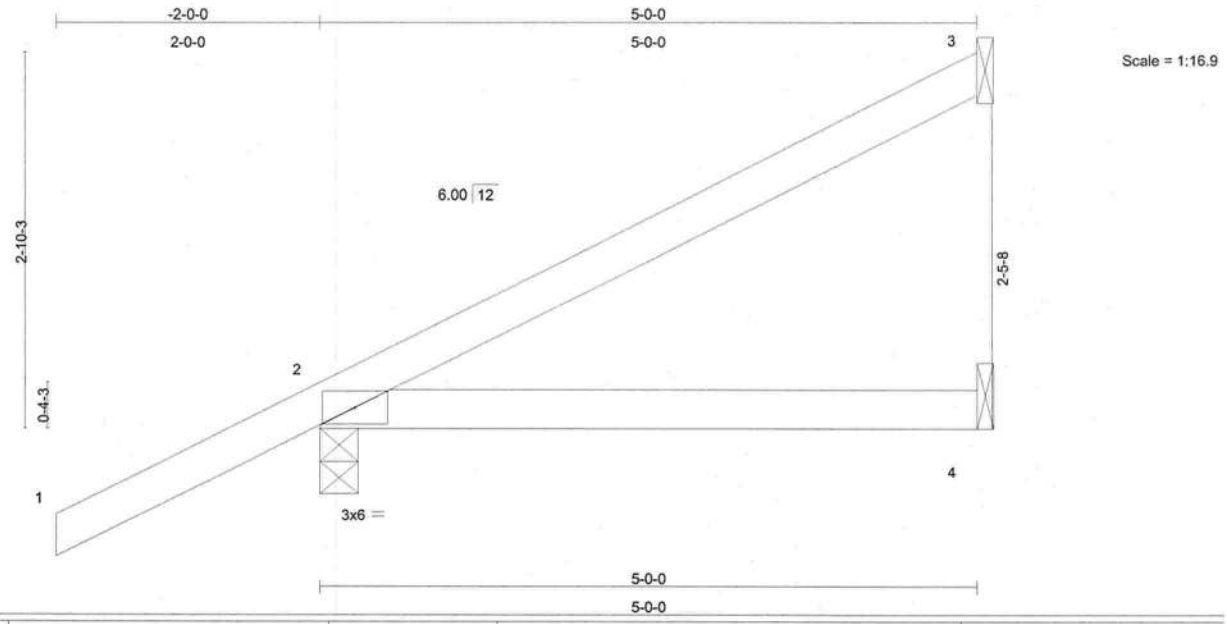
September 26,2005

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult QST-88 Quality Standard, DSB-89 Bracing Specification, and HIB-91 Handling Installing and Bracing Recommendation available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	CJ5	ROOF TRUSS	14	1	J1504627 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:26 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.09	2-4	>663	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	0.07	2-4	>774	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 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=343/0-3-8, 4=72/Mechanical
Max Horz 2=178(load case 5)
Max Uplift 3=-87(load case 5), 2=-260(load case 5), 4=-46(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-109/36
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.16

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3, 260 lb uplift at joint 2 and 46 lb uplift at joint 4.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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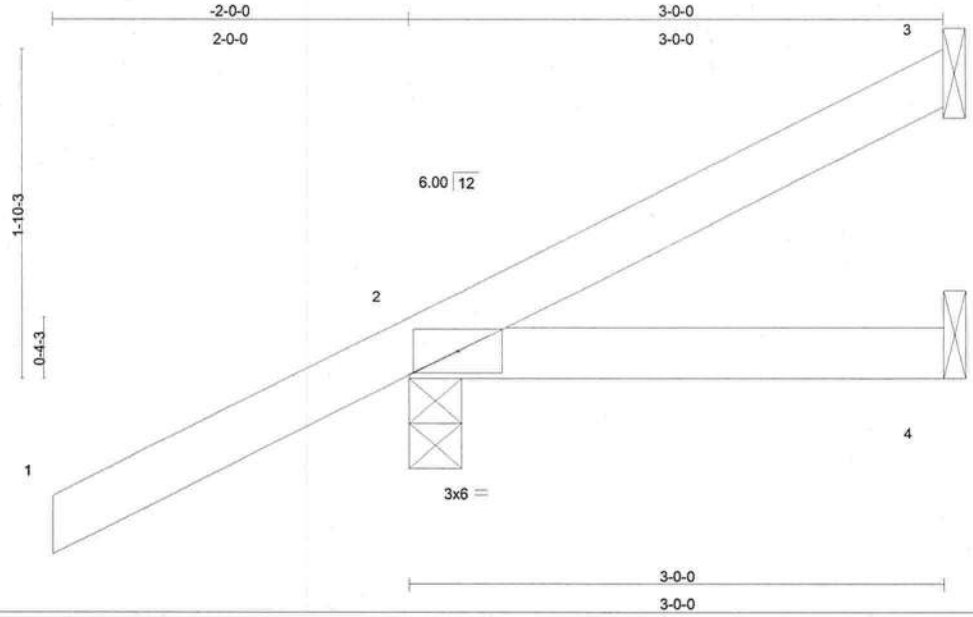
Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	EJ3	ROOF TRUSS	3	1	J1504628 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:27 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.01	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	0.01	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb	

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

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

REACTIONS (lb/size) 3=31/Mechanical, 2=278/0-3-8, 4=42/Mechanical
Max Horz 2=132(load case 5)
Max Uplift 3=-25(load case 4), 2=-238(load case 5), 4=-27(load case 3)

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 = 0.14

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 3, 238 lb uplift at joint 2 and 27 lb uplift at joint 4.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	EJ7	MONO TRUSS	30	1	J1504629
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:28 2005 Page 1

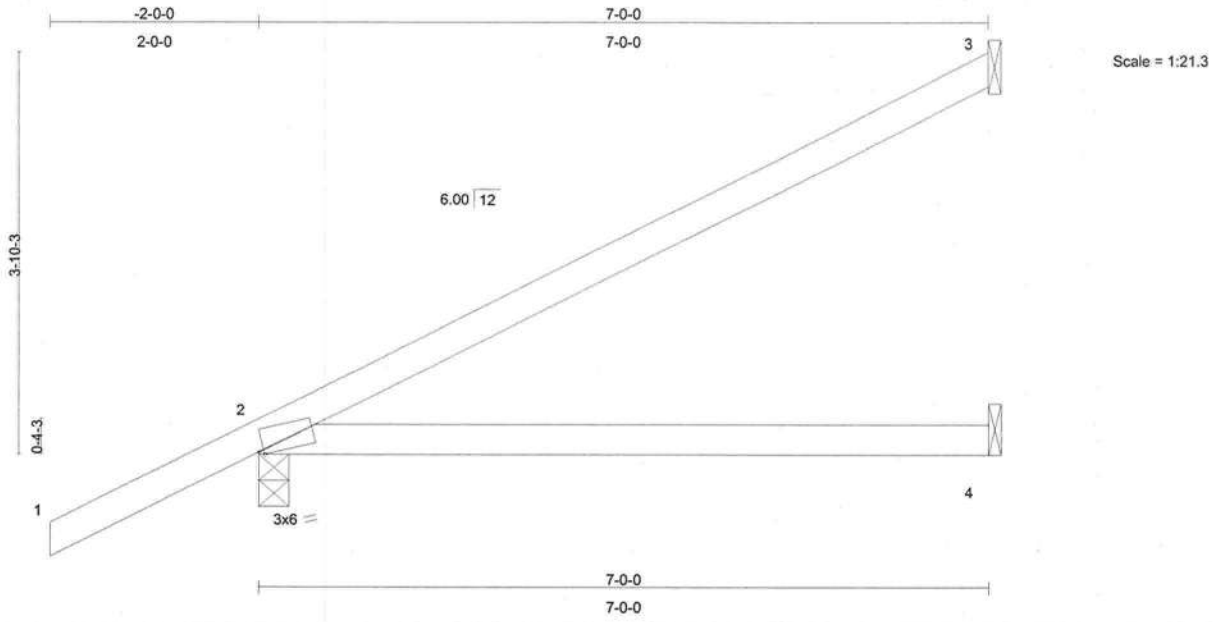

Plate Offsets (X,Y): [2:0-0-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.27	2-4	>305	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	0.22	2-4	>374	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb	

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

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

REACTIONS (lb/size) 3=162/Mechanical, 2=419/0-3-8, 4=104/Mechanical
Max Horz 2=224(load case 5)
Max Uplift 3=-144(load case 5), 2=-295(load case 5), 4=-67(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-94/58
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.75

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 3, 295 lb uplift at joint 2 and 67 lb uplift at joint 4.

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

LOAD CASE(S) Standard

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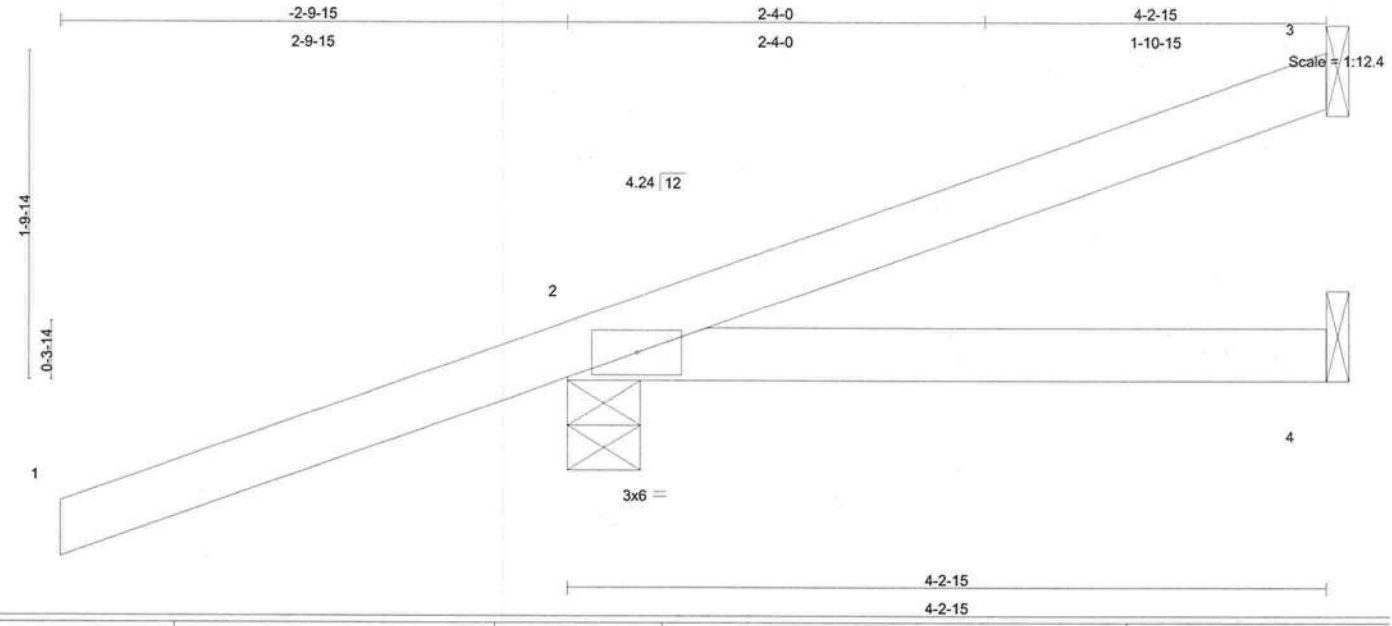
Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	HJ4	ROOF TRUSS	2	1	J1504630
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:28 2005 Page 1



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

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

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

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

JOINT STRESS INDEX
2 = 0.11

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 5 lb uplift at joint 3, 302 lb uplift at joint 2 and 41 lb uplift at joint 4.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	HJ4	ROOF TRUSS	2	1	J1504630 Job Reference (optional)

LOAD CASE(S) Standard

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

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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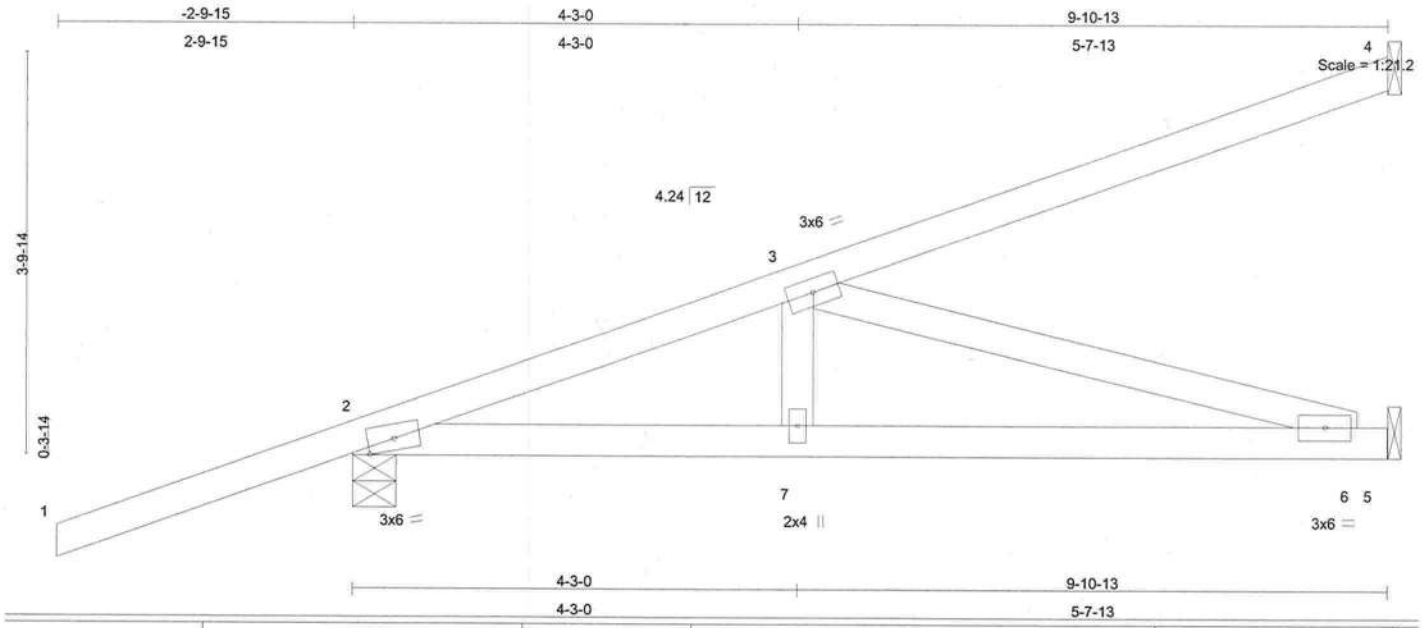
Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	HJ9	ROOF TRUSS	7	1	J1504631
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:28 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	-0.10	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.17	6-7	>685	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.49	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 45 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-11-7 oc bracing.

REACTIONS (lb/size) 4=269/Mechanical, 2=532/0-4-15, 5=377/Mechanical
Max Horz 2=269(load case 2)
Max Uplift 4=-233(load case 2), 2=-399(load case 2), 5=-183(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-889/365, 3-4=-105/66
BOT CHORD 2-7=-538/824, 6-7=-538/824, 5-6=0/0
WEBS 3-7=-85/180, 3-6=-857/559

JOINT STRESS INDEX
2 = 0.75, 3 = 0.22, 6 = 0.23 and 7 = 0.13

NOTES
1) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 233 lb uplift at joint 4, 399 lb uplift at joint 2 and 183 lb uplift at joint 5.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	HJ9	ROOF TRUSS	7	1	J1504631 Job Reference (optional)

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=15, B=15)-to-5=-74(F=-22, B=-22)

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T01	ROOF TRUSS	1	1	J1504632
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:29 2005 Page 1

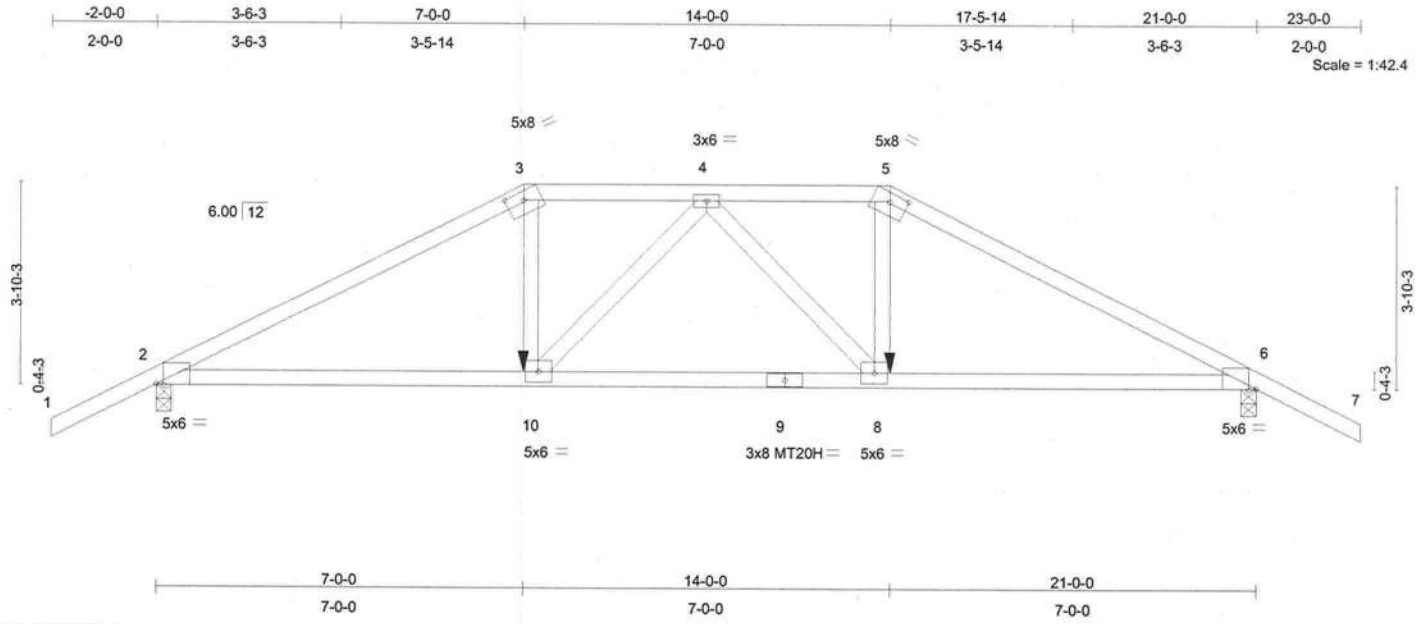

Plate Offsets (X,Y): [2:0-1-10,Edge], [3:0-4-0,0-1-15], [5:0-4-0,0-1-15], [6:0-1-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	-0.22	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-0.37	8-10	>669	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.36	Horz(TL)	0.10	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 95 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 3-0-13 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-7-8 oc bracing.

REACTIONS (lb/size) 2=1866/0-3-8, 6=1866/0-3-8
Max Horz 2=-114(load case 5)
Max Uplift 2=-813(load case 4), 6=-813(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/47, 2-3=-3339/1309, 3-4=-2937/1217, 4-5=-2937/1217, 5-6=-3339/1309, 6-7=0/47
BOT CHORD	2-10=-1122/2894, 9-10=-1267/3085, 8-9=-1267/3085, 6-8=-1081/2894
WEBS	3-10=-405/1125, 4-8=-334/283, 5-8=-405/1125, 4-10=-334/283

JOINT STRESS INDEX

2 = 0.81, 3 = 0.72, 4 = 0.36, 5 = 0.72, 6 = 0.81, 8 = 0.38, 9 = 0.88 and 10 = 0.38

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T01	ROOF TRUSS	1	1	J1504632 Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 813 lb uplift at joint 2 and 813 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=-30, 8-10=-65(F=-35), 6-8=-30
   Concentrated Loads (lb)
   Vert: 10=-539(F) 8=-539(F)

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T02	ROOF TRUSS	1	1	J1504633 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:29 2005 Page 1

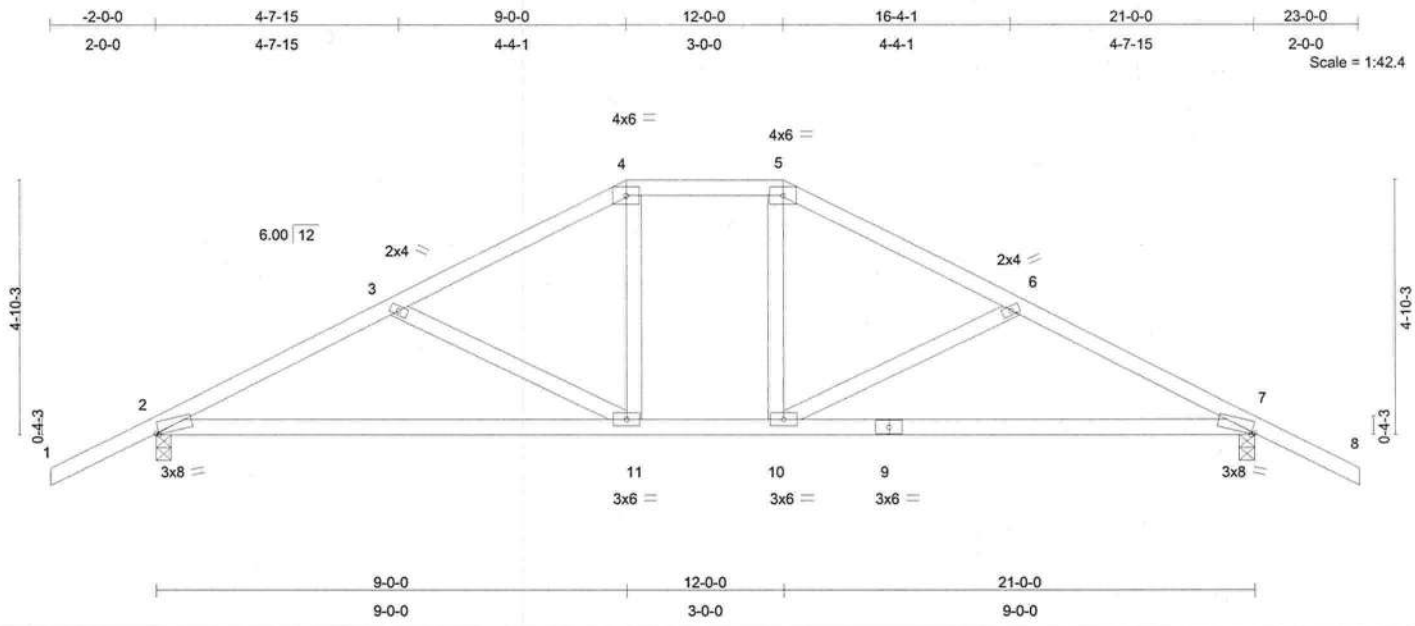

Plate Offsets (X,Y): [2:0-0-10,Edge], [7:0-0-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.21	7-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.33	7-10	>761	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 100 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-0-15 oc bracing.

REACTIONS (lb/size) 2=986/0-3-8, 7=986/0-3-8
Max Horz 2=-134(load case 6)
Max Uplift 2=-377(load case 5), 7=-377(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1422/715, 3-4=-1156/567, 4-5=-990/568, 5-6=-1156/567, 6-7=-1422/715, 7-8=0/47
BOT CHORD 2-11=-470/1233, 10-11=-225/990, 9-10=-470/1233, 7-9=-470/1233
WEBS 3-11=-319/276, 4-11=-81/299, 5-10=-81/299, 6-10=-319/276

JOINT STRESS INDEX
2 = 0.85, 3 = 0.33, 4 = 0.44, 5 = 0.44, 6 = 0.33, 7 = 0.85, 9 = 0.58, 10 = 0.34 and 11 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Continued on page 2

Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
					J1504633
L132126	T02	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 377 lb uplift at joint 2 and 377 lb uplift at joint 7.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T03	ROOF TRUSS	6	1	J1504634
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:29 2005 Page 1

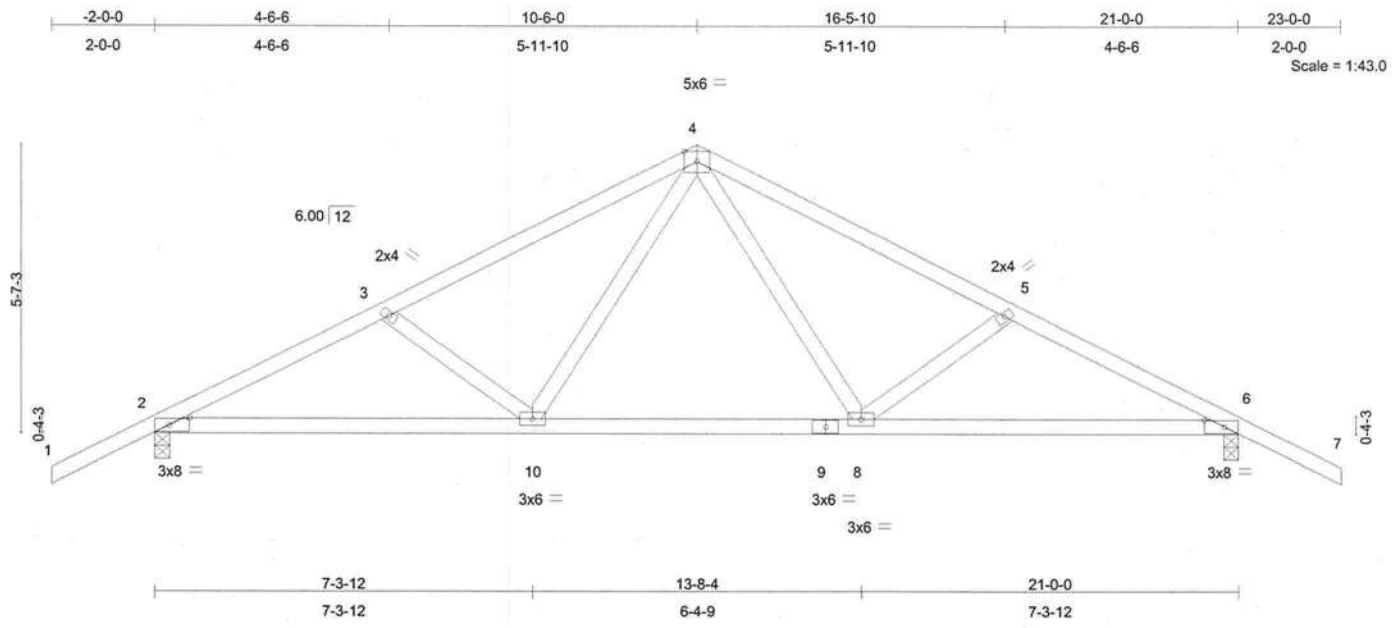

Plate Offsets (X,Y): [2:0-4-12,0-1-8], [6:0-4-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.21	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.84	Vert(TL)	-0.33	8-10	>747	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.23	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 101 lb	

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-4-15 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 7-1-11 oc bracing.

REACTIONS (lb/size) 2=1209/0-3-8, 6=1209/0-3-8
Max Horz 2=149(load case 5)
Max Uplift 2=-474(load case 5), 6=-474(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/47, 2-3=-1993/1028, 3-4=-1790/935, 4-5=-1790/935, 5-6=-1993/1028, 6-7=0/47
BOT CHORD	2-10=-751/1719, 9-10=-390/1186, 8-9=-390/1186, 6-8=-751/1719
WEBS	3-10=-252/270, 4-10=-285/705, 4-8=-285/705, 5-8=-252/270

JOINT STRESS INDEX

2 = 0.73, 3 = 0.33, 4 = 0.68, 5 = 0.33, 6 = 0.73, 8 = 0.53, 9 = 0.49 and 10 = 0.53

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Continued on page 2

Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T03	ROOF TRUSS	6	1	J1504634 Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 474 lb uplift at joint 2 and 474 lb uplift at joint 6.
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: 1-4=-54, 4-7=-54, 2-10=-30, 8-10=-100(F=-70), 6-8=-30

Truss Design Engineer: Lawrence A. Paine, PE
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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T04	ROOF TRUSS	1	1	J1504635
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:30 2005 Page 1

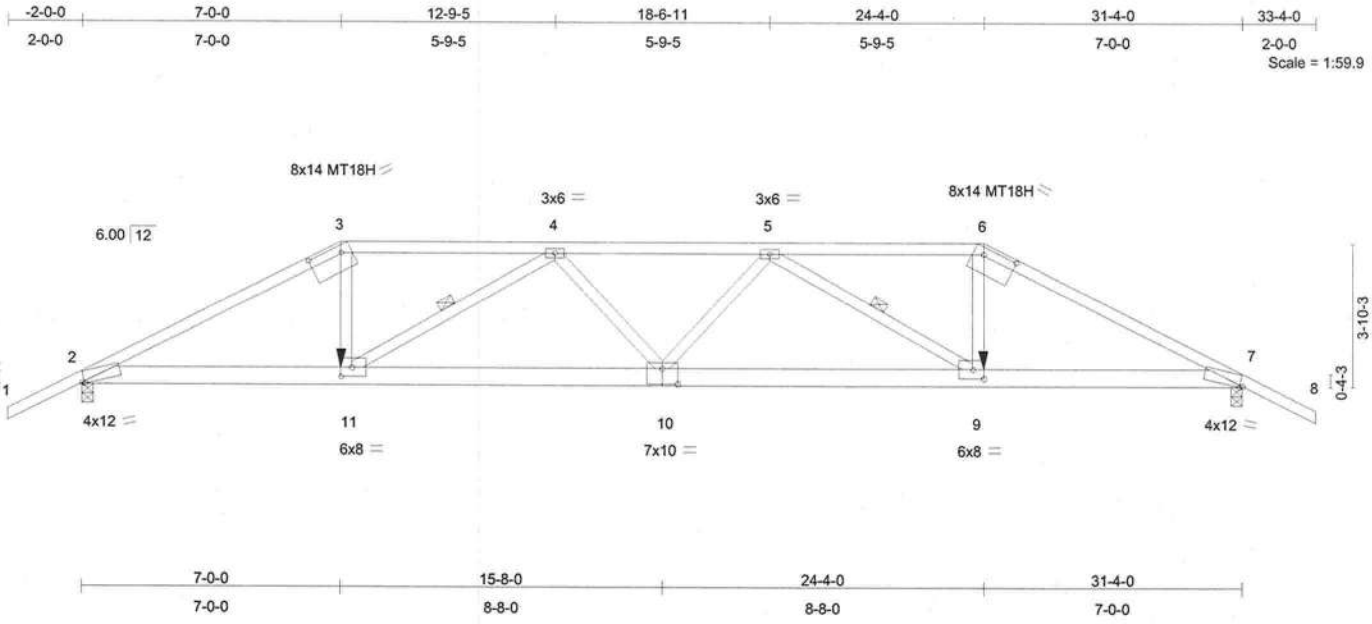

Plate Offsets (X,Y): [2:0-0-13,Edge], [3:0-10-12,0-2-4], [6:0-10-12,0-2-4], [7:0-0-13,Edge], [9:0-3-8,0-3-0], [10:0-5-0,0-5-0], [11:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.82	Vert(LL)	-0.43	9-10	>863	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.85	Vert(TL)	-0.70	9-10	>536	180	MT18H	244/190
BCLL	10.0	Rep Stress Incr	NO	WB	0.62	Horz(TL)	0.17	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 170 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2 *Except* 3-6 2 X 4 SYP No.1D
BOT CHORD	2 X 6 SYP No.1D
WEBS	2 X 4 SYP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-1-14 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 4-11-13 oc bracing.
WEBS	1 Row at midpt 4-11, 5-9

REACTIONS (lb/size) 2=2810/0-3-8, 7=2810/0-3-8
Max Horz 2=-116(load case 5)
Max Uplift 2=-1145(load case 4), 7=-1145(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

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

JOINT STRESS INDEX
2 = 0.80, 3 = 0.82, 4 = 0.56, 5 = 0.56, 6 = 0.82, 7 = 0.80, 9 = 0.52, 10 = 0.95 and 11 = 0.52

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.

Continued on page 2

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T04	ROOF TRUSS	1	1	J1504635 Job Reference (optional)

NOTES

4) All plates are MT20 plates unless otherwise indicated.
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 1145 lb uplift at joint 2 and 1145 lb uplift at joint 7.
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, 3-6=-118(F=-64), 6-8=-54, 2-11=-30, 9-11=-65(F=-35), 7-9=-30
   Concentrated Loads (lb)
   Vert: 11=-539(F) 9=-539(F)

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T05	ROOF TRUSS	1	1	J1504636
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:30 2005 Page 1

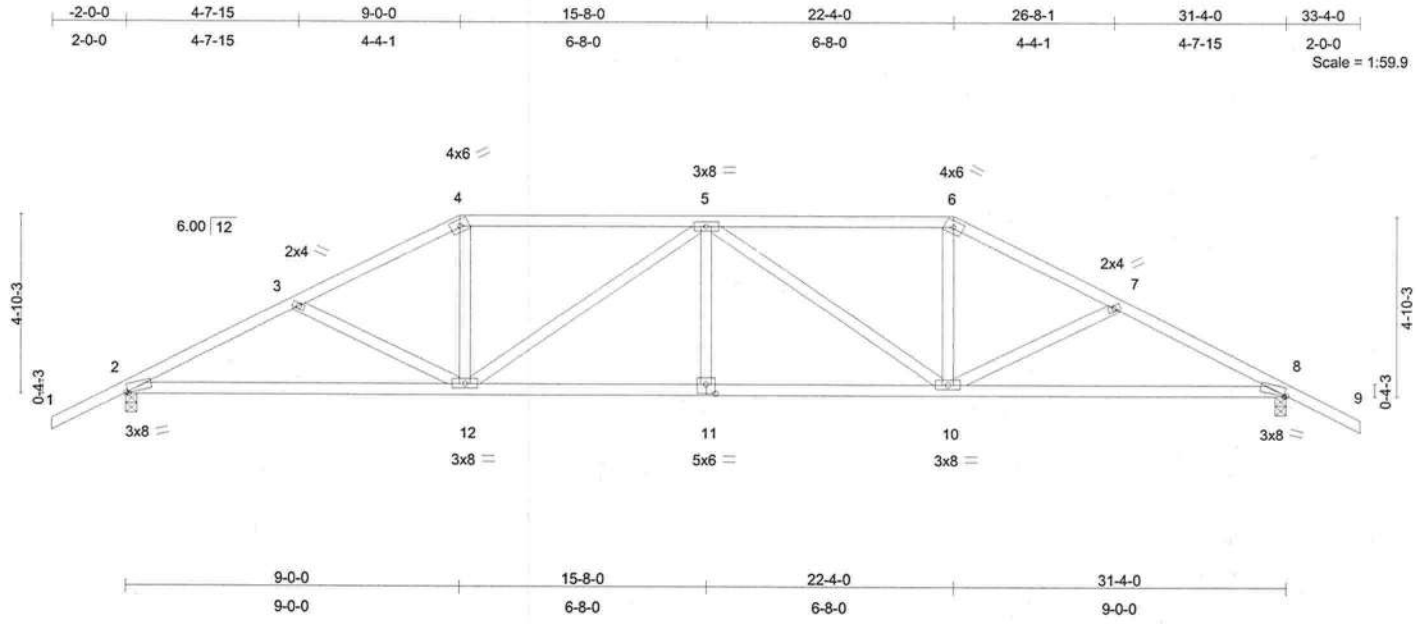

Plate Offsets (X,Y): [2:0-0-10,Edge], [8:0-0-10,Edge], [11:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.21	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.35	8-10	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.61	Horz(TL)	0.11	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 160 lb	

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-10-6 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 7-1-0 oc bracing.

REACTIONS (lb/size) 2=1420/0-3-8, 8=1420/0-3-8
Max Horz 2=134(load case 5)
Max Uplift 2=-452(load case 5), 8=-452(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/47, 2-3=-2344/1071, 3-4=-2118/943, 4-5=-1872/914, 5-6=-1872/914, 6-7=-2118/943, 7-8=-2344/1071, 8-9=0/47
BOT CHORD	2-12=-782/2044, 11-12=-736/2252, 10-11=-736/2252, 8-10=-782/2044
WEBS	3-12=-219/242, 4-12=-163/615, 5-12=-556/252, 5-11=0/159, 5-10=-556/252, 6-10=-163/615, 7-10=-219/242

JOINT STRESS INDEX

2 = 0.82, 3 = 0.33, 4 = 0.74, 5 = 0.56, 6 = 0.74, 7 = 0.33, 8 = 0.82, 10 = 0.56, 11 = 0.53 and 12 = 0.56

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T05	ROOF TRUSS	1	1	J1504636
					Job Reference (optional)

NOTES

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 452 lb uplift at joint 2 and 452 lb uplift at joint 8.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T06	ROOF TRUSS	1	1	J1504637
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:31 2005 Page 1

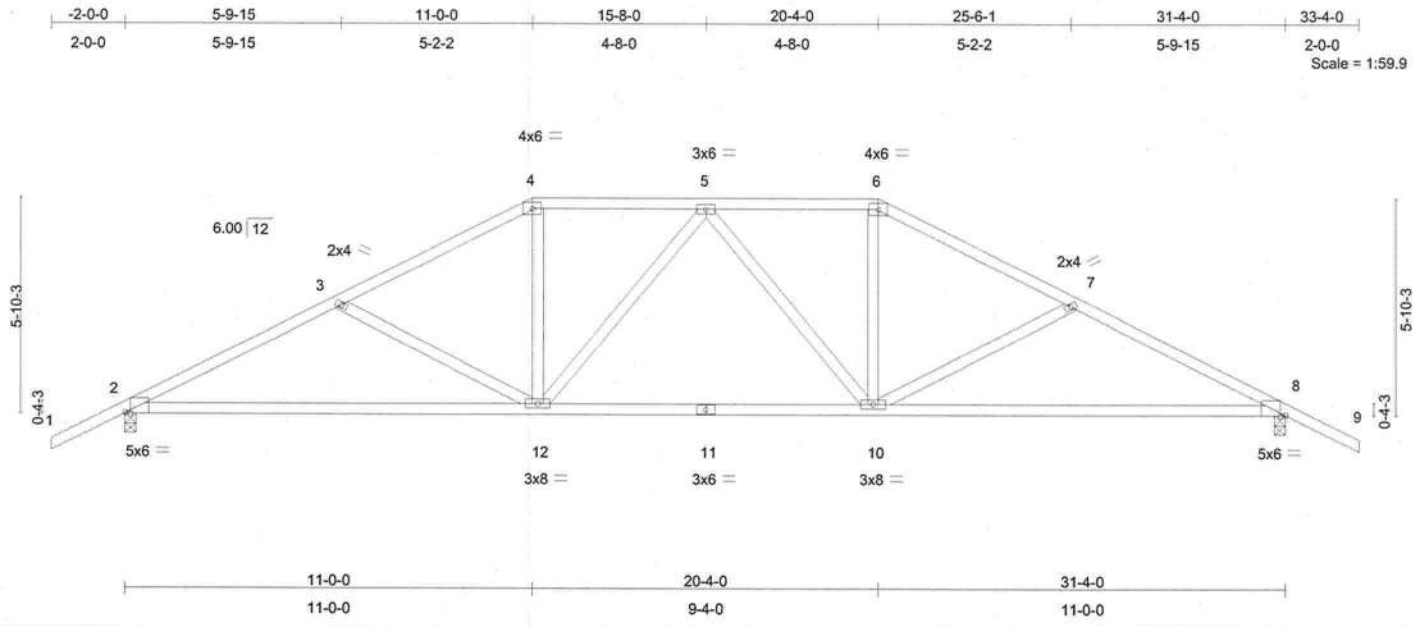

Plate Offsets (X,Y): [2:0-1-11,Edge], [8:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.37	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.63	8-10	>587	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.10	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 158 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 3-7-6 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-11-13 oc bracing.

REACTIONS (lb/size) 2=1420/0-3-8, 8=1420/0-3-8
Max Horz 2=-154(load case 6)
Max Uplift 2=-476(load case 5), 8=-476(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/47, 2-3=-2287/1111, 3-4=-1965/930, 4-5=-1710/904, 5-6=-1710/904, 6-7=-1965/930, 7-8=-2287/1111, 8-9=0/47
BOT CHORD	2-12=-807/1998, 11-12=-559/1805, 10-11=-559/1805, 8-10=-807/1998
WEBS	3-12=-348/349, 4-12=-169/583, 5-12=-265/166, 5-10=-265/166, 6-10=-169/583, 7-10=-348/349

JOINT STRESS INDEX

2 = 0.74, 3 = 0.33, 4 = 0.71, 5 = 0.38, 6 = 0.71, 7 = 0.33, 8 = 0.74, 10 = 0.56, 11 = 0.67 and 12 = 0.56

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T06	ROOF TRUSS	1	1	J1504637 Job Reference (optional)

NOTES

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 476 lb uplift at joint 2 and 476 lb uplift at joint 8.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T07	ROOF TRUSS	1	1	J1504638
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:31 2005 Page 1

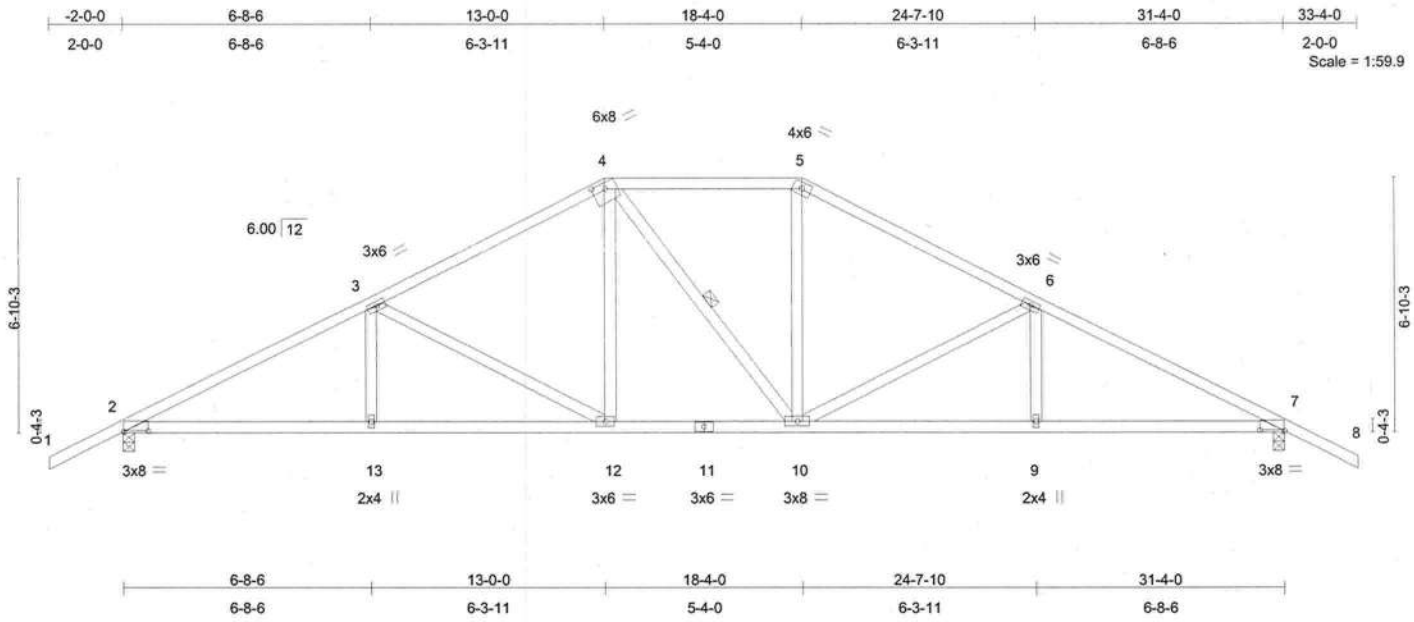

Plate Offsets (X,Y): [2:0-8-0,0-0-6], [4:0-4-0,0-1-15], [7:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	-0.16	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.25	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.10	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 165 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 3-9-10 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 7-0-10 oc bracing, Except: 9-6-4 oc bracing: 10-12.
WEBS	1 Row at midpt 4-10

REACTIONS (lb/size) 2=1420/0-3-8, 7=1420/0-3-8
Max Horz 2=-174(load case 6)
Max Uplift 2=-497(load case 5), 7=-497(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/47, 2-3=-2375/1116, 3-4=-1765/923, 4-5=-1517/905, 5-6=-1766/923, 6-7=-2375/1116, 7-8=0/47
BOT CHORD	2-13=-804/2043, 12-13=-804/2043, 11-12=-445/1516, 10-11=-445/1516, 9-10=-804/2043, 7-9=-804/2043
WEBS	3-13=0/216, 3-12=-607/410, 4-12=-159/448, 4-10=-151/154, 5-10=-159/448, 6-10=-606/410, 6-9=0/216

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

JOINT STRESS INDEX
2 = 0.73, 3 = 0.39, 4 = 0.54, 5 = 0.71, 6 = 0.39, 7 = 0.73, 9 = 0.33, 10 = 0.56, 11 = 0.52, 12 = 0.34 and 13 = 0.33

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

September 26,2005

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T07	ROOF TRUSS	1	1	J1504638 Job Reference (optional)

NOTES

2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 497 lb uplift at joint 2 and 497 lb uplift at joint 7.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T08	ROOF TRUSS	1	1	J1504639
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:32 2005 Page 1

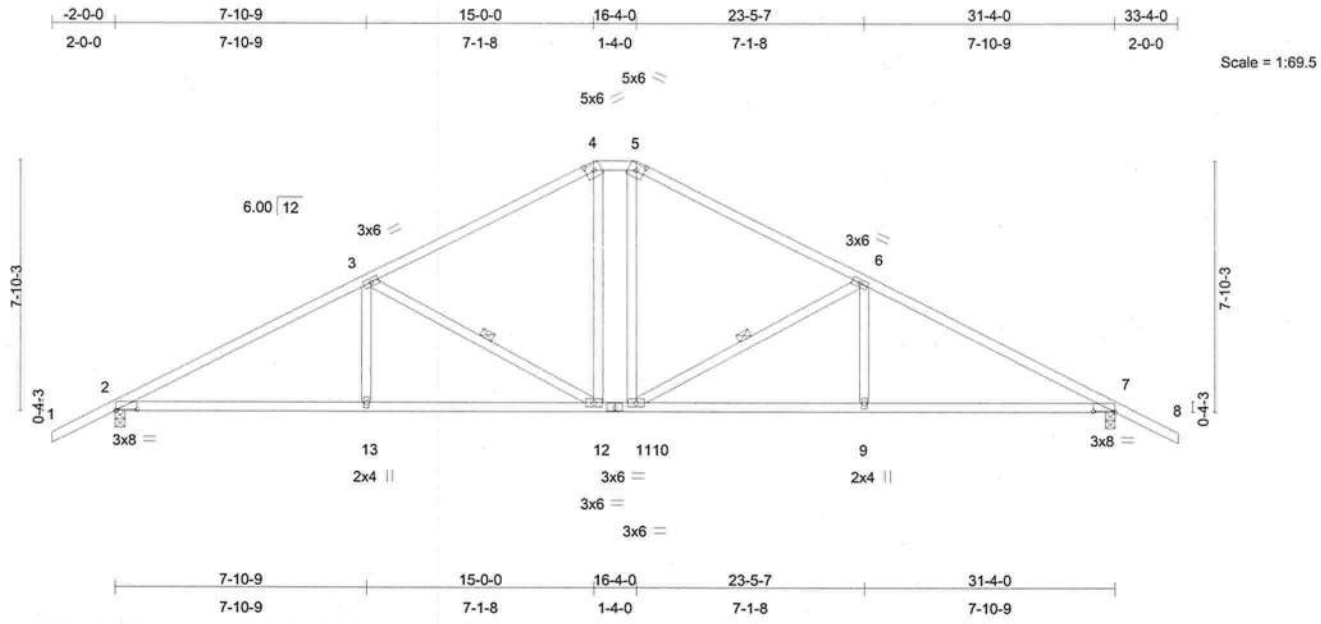

Plate Offsets (X,Y): [2:0-8-0,0-0-6], [4:0-3-0,0-2-7], [5:0-3-0,0-2-7], [7:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.18	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.29	2-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.26	Horz(TL)	0.10	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 162 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 3-7-1 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-10-12 oc bracing.
WEBS	1 Row at midpt 3-12, 6-10

REACTIONS (lb/size) 2=1420/0-3-8, 7=1420/0-3-8
Max Horz 2=-194(load case 6)
Max Uplift 2=-514(load case 5), 7=-514(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/47, 2-3=-2319/1140, 3-4=-1600/908, 4-5=-1356/901, 5-6=-1600/908, 6-7=-2319/1140, 7-8=0/47
BOT CHORD	2-13=-808/1986, 12-13=-808/1986, 11-12=-383/1356, 10-11=-383/1356, 9-10=-808/1986, 7-9=-808/1986
WEBS	3-13=0/276, 3-12=-762/489, 4-12=-210/464, 5-10=-210/464, 6-10=-762/489, 6-9=0/276

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

JOINT STRESS INDEX
2 = 0.72, 3 = 0.39, 4 = 0.67, 5 = 0.67, 6 = 0.39, 7 = 0.72, 9 = 0.33, 10 = 0.34, 11 = 0.62, 12 = 0.34 and 13 = 0.33

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

September 26,2005

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T08	ROOF TRUSS	1	1	J1504639 Job Reference (optional)

NOTES

2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 514 lb uplift at joint 2 and 514 lb uplift at joint 7.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T09	ROOF TRUSS	3	1	J1504640
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:32 2005 Page 1

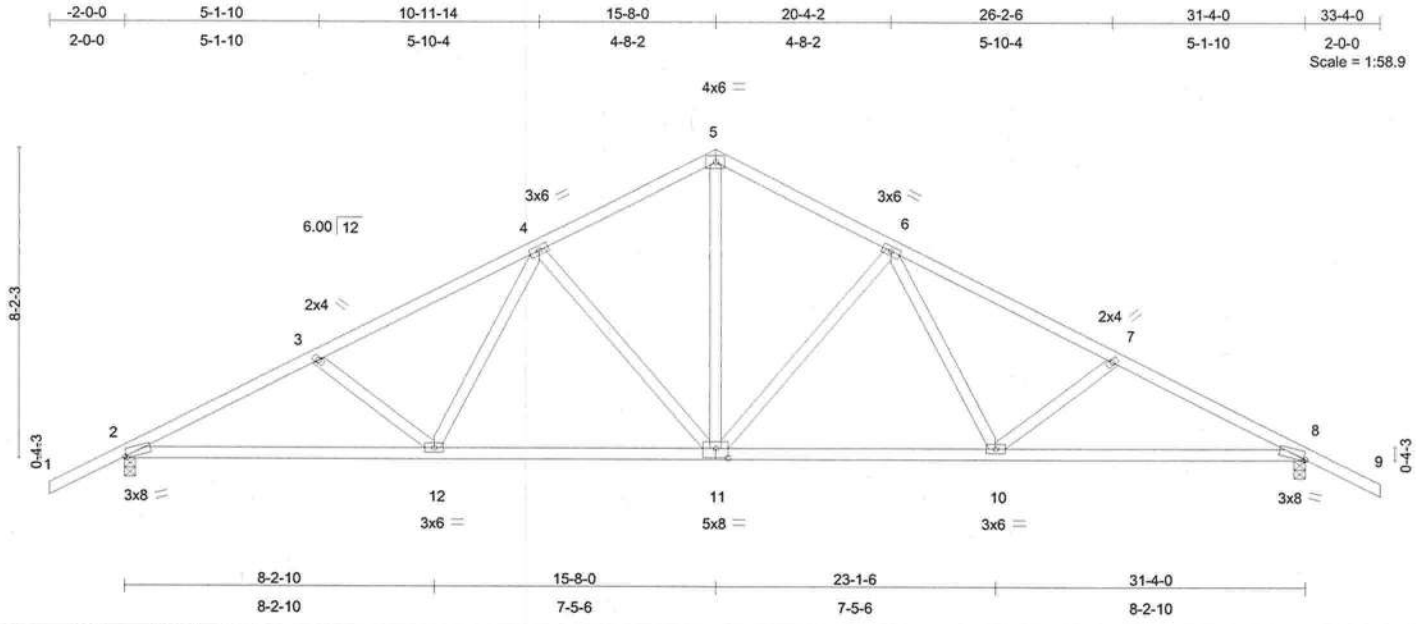

Plate Offsets (X,Y): [2:0-0-10,Edge], [8:0-0-10,Edge], [11:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.17	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.28	11-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.67	Horz(TL)	0.09	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 167 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 3-11-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-6-1 oc bracing.

REACTIONS (lb/size) 2=1420/0-3-8, 8=1420/0-3-8
Max Horz 2=-200(load case 6)
Max Uplift 2=-520(load case 5), 8=-520(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2372/1235, 3-4=-2150/1129, 4-5=-1511/929, 5-6=-1511/929, 6-7=-2150/1129, 7-8=-2372/1235, 8-9=0/47
BOT CHORD 2-12=-931/2069, 11-12=-623/1654, 10-11=-623/1654, 8-10=-931/2069
WEBS 3-12=-275/309, 4-12=-146/461, 4-11=-564/426, 5-11=-616/1062, 6-11=-564/426, 6-10=-146/461, 7-10=-275/309

JOINT STRESS INDEX
2 = 0.78, 3 = 0.33, 4 = 0.41, 5 = 0.50, 6 = 0.41, 7 = 0.33, 8 = 0.78, 10 = 0.44, 11 = 0.46 and 12 = 0.44

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T09	ROOF TRUSS	3	1	J1504640 Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 520 lb uplift at joint 2 and 520 lb uplift at joint 8.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T10	ROOF TRUSS	4	1	J1504641
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:33 2005 Page 1

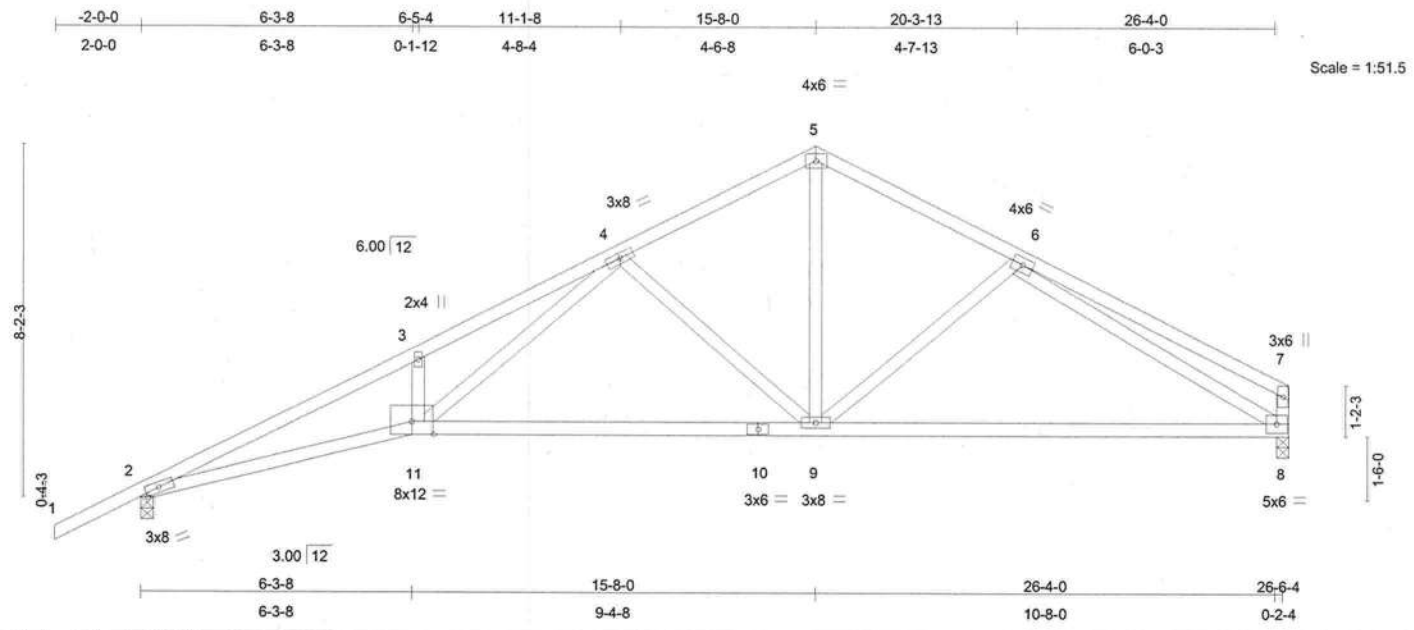

Plate Offsets (X,Y): [2:0-3-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	-0.36	9-11	>877	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.74	Vert(TL)	-0.59	9-11	>536	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.87	Horz(TL)	0.19	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 137 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except* 7-8 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-11-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-9-14 oc bracing.

REACTIONS (lb/size) 2=1228/0-3-8, 8=1103/0-3-8
Max Horz 2=282(load case 5)
Max Uplift 2=-474(load case 5), 8=-308(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-3625/1796, 3-4=-3582/1983, 4-5=-1355/795, 5-6=-1359/796, 6-7=-654/296, 7-8=-434/284
BOT CHORD 2-11=-1675/3261, 10-11=-859/1706, 9-10=-859/1706, 8-9=-660/1285
WEBS 3-11=-225/320, 4-11=-1036/1902, 4-9=-733/548, 5-9=-480/916, 6-9=-214/270, 6-8=-922/594

JOINT STRESS INDEX
2 = 0.80, 3 = 0.33, 4 = 0.94, 5 = 0.46, 6 = 0.28, 7 = 0.65, 8 = 0.66, 9 = 0.56, 10 = 0.75 and 11 = 0.81

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; 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.

Continued on page 2

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T10	ROOF TRUSS	4	1	J1504641 Job Reference (optional)

NOTES

3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 474 lb uplift at joint 2 and 308 lb uplift at joint 8.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T11	ROOF TRUSS	1	1	J1504642
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:33 2005 Page 1

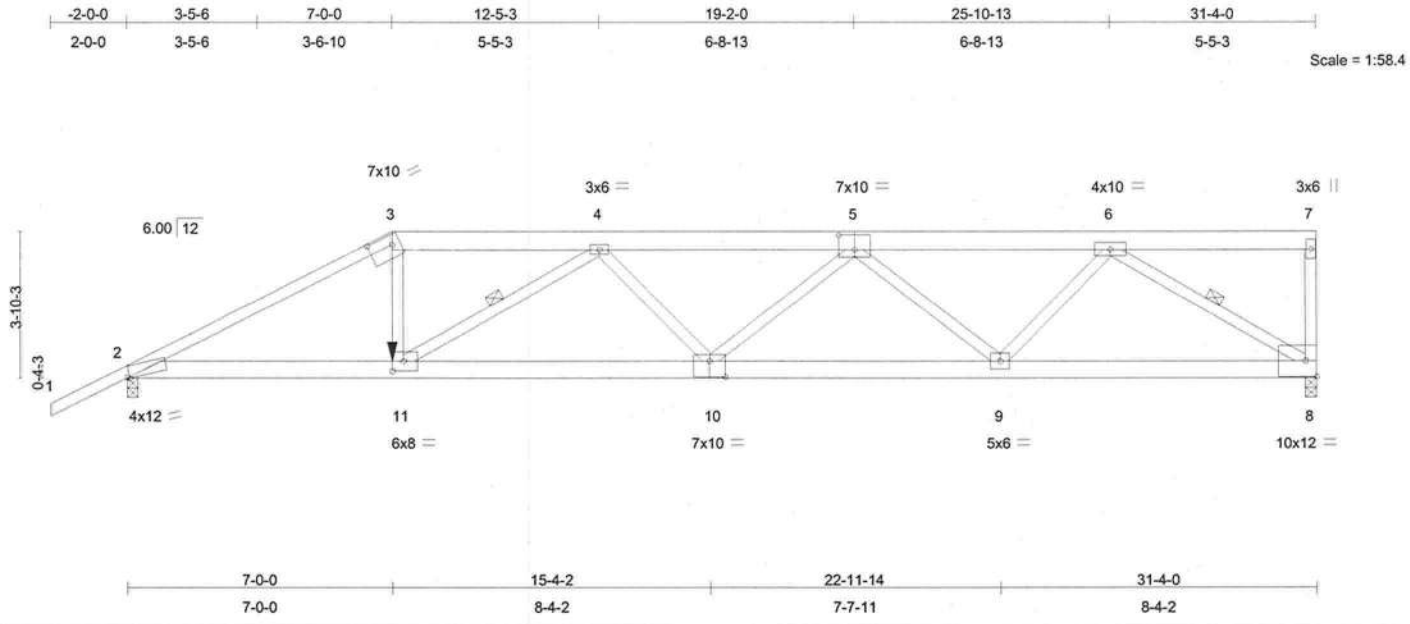

Plate Offsets (X,Y): [2:0-0-13,Edge], [3:0-7-6,0-3-0], [5:0-5-0,0-4-8], [10:0-5-0,0-5-0], [11:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.84	Vert(LL)	-0.37	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.60	10-11	>625	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.99	Horz(TL)	0.15	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 198 lb	

LUMBER

TOP CHORD	2 X 6 SYP No.1D *Except* 1-3 2 X 4 SYP No.2
BOT CHORD	2 X 6 SYP No.1D
WEBS	2 X 4 SYP No.3

BRACING

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

REACTIONS (lb/size) 8=2880/0-3-8, 2=2769/0-3-8
Max Horz 2=222(load case 4)
Max Uplift 8=-1297(load case 3), 2=-1117(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/51, 2-3=-5453/2304, 3-4=-4891/2130, 4-5=-6673/2903, 5-6=-5143/2213, 6-7=-123/29, 7-8=-294/214
BOT CHORD	2-11=-2096/4806, 10-11=-2966/6445, 9-10=-2934/6377, 8-9=-1772/3750
WEBS	3-11=-736/1978, 4-11=-1956/1003, 4-10=0/380, 5-10=0/436, 5-9=-1650/964, 6-9=-676/2136, 6-8=-4308/2070

JOINT STRESS INDEX
2 = 0.79, 3 = 0.95, 4 = 0.55, 5 = 0.50, 6 = 0.94, 7 = 0.56, 8 = 0.71, 9 = 0.74, 10 = 0.94 and 11 = 0.53

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

Continued on page 2

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component to be Installed and loaded vertically. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibillity of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult QST-88 Quality Standard, DSB-89 Bracing Specification, and HIB-91 Handling Installing and Bracing Recommendation available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
					J1504642
L132126	T11	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1297 lb uplift at joint 8 and 1117 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

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-7=-118(F=-64), 2-11=-30, 8-11=-65(F=-35)
   Concentrated Loads (lb)
   Vert: 11=-539(F)

Truss Design Engineer: Lawrence A. Paine, PE
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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T12	ROOF TRUSS	1	1	J1504643
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:33 2005 Page 1

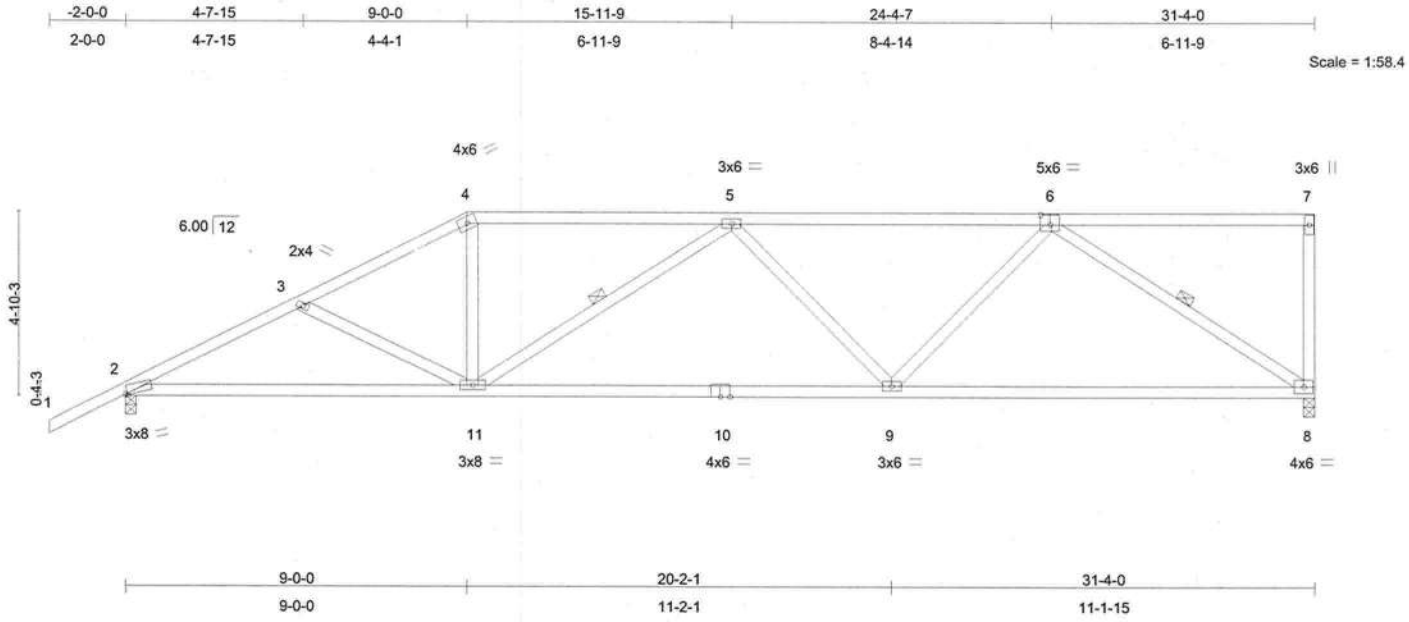

Plate Offsets (X,Y): [2:0-0-10,Edge], [6:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.85	Vert(LL)	-0.32	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.81	Vert(TL)	-0.54	9-11	>687	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.60	Horz(TL)	0.10	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 160 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 8=1300/0-3-8, 2=1424/0-3-8
Max Horz 2=272(load case 5)
Max Uplift 8=-478(load case 4), 2=-445(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/47, 2-3=-2366/1011, 3-4=-2146/881, 4-5=-1897/857, 5-6=-2052/814, 6-7=-84/9, 7-8=-166/110
BOT CHORD	2-11=-1073/2061, 10-11=-1004/2240, 9-10=-1004/2240, 8-9=-689/1546
WEBS	3-11=-205/245, 4-11=-140/631, 5-11=-413/301, 5-9=-278/281, 6-9=-184/747, 6-8=-1758/818

JOINT STRESS INDEX

2 = 0.78, 3 = 0.33, 4 = 0.72, 5 = 0.36, 6 = 0.68, 7 = 0.44, 8 = 0.72, 9 = 0.47, 10 = 0.88 and 11 = 0.56

NOTES

1) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
					J1504643
L132126	T12	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

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 478 lb uplift at joint 8 and 445 lb uplift at joint 2.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T13	ROOF TRUSS	1	1	J1504644
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:34 2005 Page 1

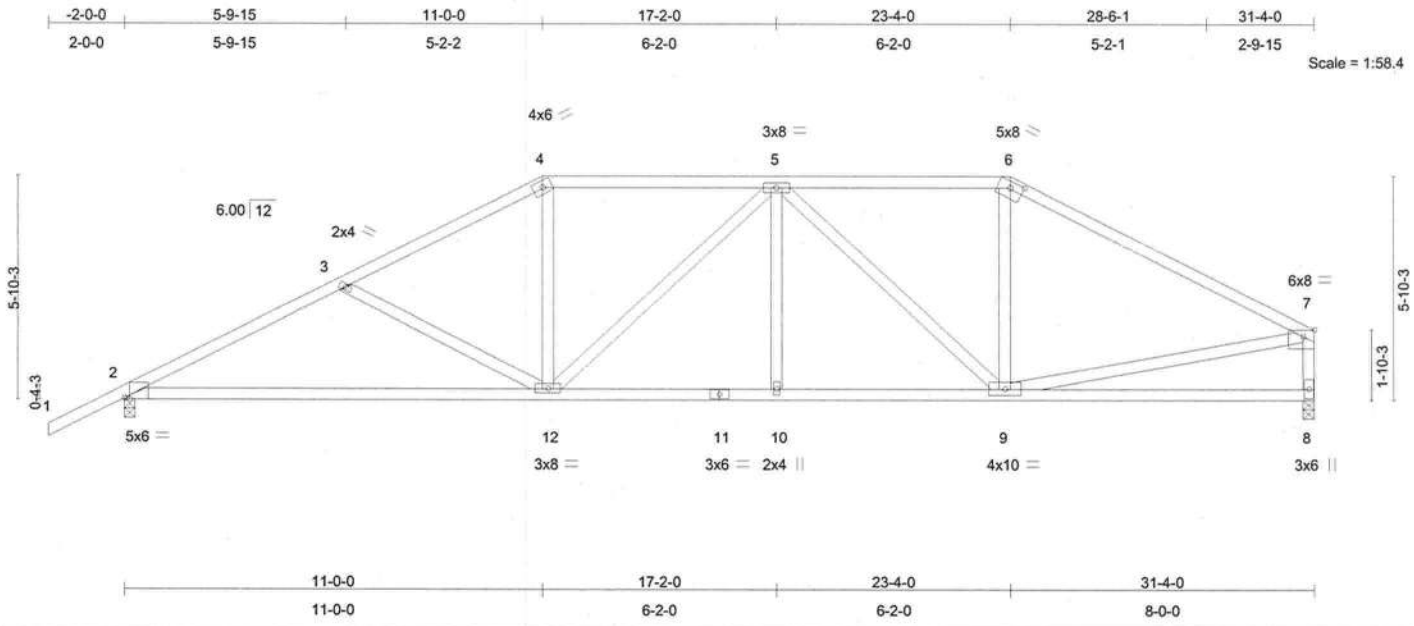

Plate Offsets (X,Y): [2:0-1-11,Edge], [6:0-4-0,0-1-15], [7:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	-0.37	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.63	2-12	>592	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(TL)	0.08	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 169 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 *Except* 7-8 2 X 4 SYP No.2

BRACING

TOP CHORD	Structural wood sheathing directly applied or 3-7-2 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 6-4-13 oc bracing.

REACTIONS (lb/size) 2=1424/0-3-8, 8=1300/0-3-8
Max Horz 2=215(load case 5)
Max Uplift 2=-476(load case 5), 8=-311(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/47, 2-3=-2292/1096, 3-4=-1978/919, 4-5=-1724/896, 5-6=-1451/798, 6-7=-1710/782, 7-8=-1173/620
BOT CHORD	2-12=-965/2002, 11-12=-713/1827, 10-11=-713/1827, 9-10=-713/1827, 8-9=-200/285
WEBS	3-12=-336/340, 4-12=-137/548, 5-12=-263/174, 5-10=0/126, 5-9=-607/241, 6-9=-48/413, 7-9=-376/1180

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

JOINT STRESS INDEX
2 = 0.74, 3 = 0.33, 4 = 0.69, 5 = 0.56, 6 = 0.78, 7 = 0.75, 8 = 0.59, 9 = 0.51, 10 = 0.33, 11 = 0.61 and 12 = 0.56

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

September 26,2005

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
					J1504644
L132126	T13	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 476 lb uplift at joint 2 and 311 lb uplift at joint 8.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T14	ROOF TRUSS	1	1	J1504645 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:34 2005 Page 1

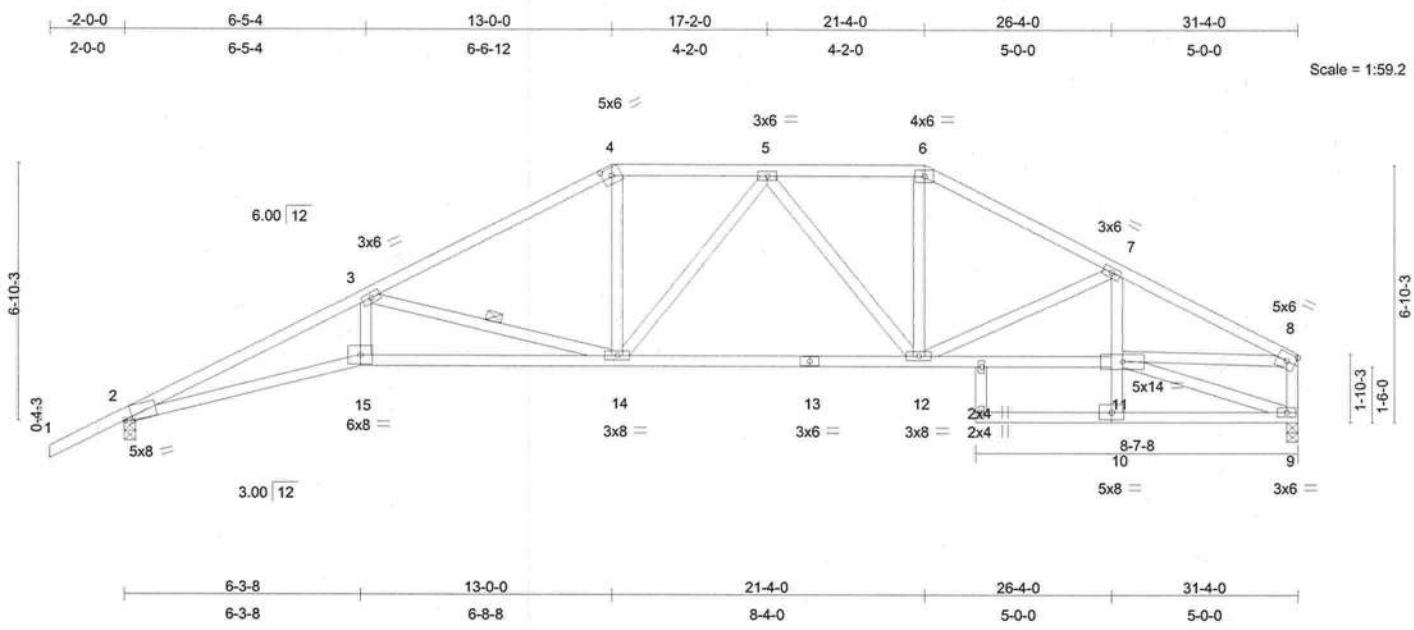

Plate Offsets (X,Y): [2:0-2-7,Edge], [4:0-3-0,0-2-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	-0.38	14-15	>979	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.90	Vert(TL)	-0.61	14-15	>609	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.67	Horz(TL)	0.35	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 182 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2 *Except* 7-10 2 X 4 SYP No.3
WEBS	2 X 4 SYP No.3 *Except* 8-9 2 X 4 SYP No.2
OTHERS	2 X 4 SYP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-7-2 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 4-6-13 oc bracing.
WEBS	1 Row at midpt 3-14
JOINTS	1 Brace at Jt(s): 11

REACTIONS (lb/size) 2=1424/0-3-8, 9=1300/0-3-8
Max Horz 2=234(load case 5)
Max Uplift 2=-497(load case 5), 9=-335(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/46, 2-3=-4404/2047, 3-4=-2294/1102, 4-5=-2003/1075, 5-6=-1790/969, 6-7=-2042/1004, 7-8=-2553/1229, 8-9=-1238/653
BOT CHORD	2-15=-1860/3970, 14-15=-1770/3742, 13-14=-768/1959, 12-13=-768/1959, 11-12=-1042/2273, 10-11=0/64, 7-11=-20/213, 9-10=-22/75
WEBS	3-15=-395/1132, 3-14=-1817/1022, 4-14=-197/654, 5-14=-104/144, 5-12=-373/178, 6-12=-208/605, 7-12=-551/403, 8-11=-952/2099, 9-11=-53/56

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

JOINT STRESS INDEX

2 = 0.83, 3 = 0.82, 4 = 0.65, 5 = 0.39, 6 = 0.68, 7 = 0.58, 8 = 0.72, 9 = 0.63, 10 = 0.17, 11 = 0.49, 12 = 0.56, 13 = 0.79, 14 = 0.80, 15 = 0.93, 16 = 0.33 and 17 = 0.33

September 26,2005

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
					J1504645
L132126	T14	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 497 lb uplift at joint 2 and 335 lb uplift at joint 9.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T15	ROOF TRUSS	1	1	J1504646
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:35 2005 Page 1

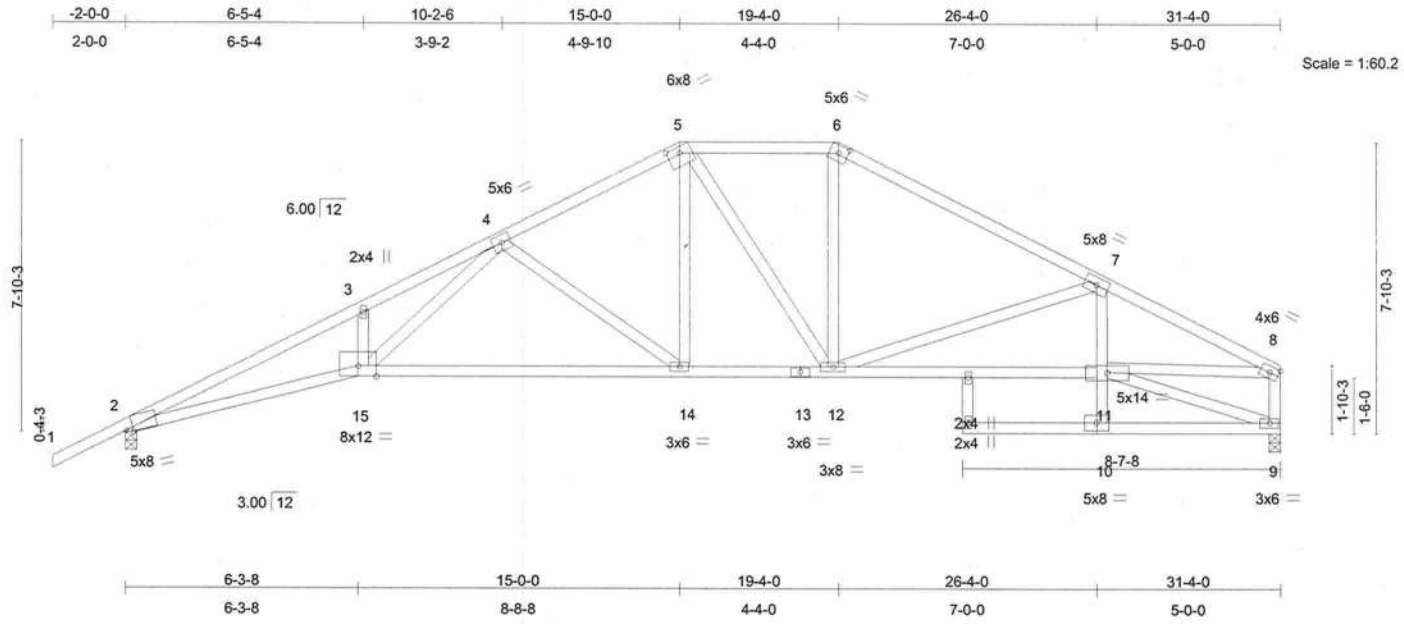

Plate Offsets (X,Y): [2:0-2-7,Edge], [5:0-4-0,0-1-15], [6:0-3-0,0-2-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.72	Vert(LL)	-0.47	14-15	>791	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-0.77	14-15	>483	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.83	Horz(TL)	0.34	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 187 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2 *Except* 7-10 2 X 4 SYP No.3
WEBS	2 X 4 SYP No.3 *Except* 8-9 2 X 4 SYP No.2
OTHERS	2 X 4 SYP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-2-10 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 4-6-7 oc bracing. Except: 1 Row at midpt 11-12
JOINTS	1 Brace at Jt(s): 11

REACTIONS (lb/size) 2=1424/0-3-8, 9=1300/0-3-8
Max Horz 2=254(load case 5)
Max Uplift 2=-514(load case 5), 9=-357(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/46, 2-3=-4415/2073, 3-4=-4341/2232, 4-5=-1943/1036, 5-6=-1622/974, 6-7=-1889/986, 7-8=-2583/1283, 8-9=-1244/666
BOT CHORD	2-15=-1876/3981, 14-15=-1123/2396, 13-14=-647/1700, 12-13=-647/1700, 11-12=-1140/2372, 10-11=0/62, 7-11=0/262, 9-10=-48/48
WEBS	3-15=-171/273, 4-15=-980/1984, 4-14=-886/601, 5-14=-322/744, 5-12=-288/119, 6-12=-150/487, 7-12=-801/544, 8-11=-1018/2135, 9-11=-12/79

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

JOINT STRESS INDEX

2 = 0.83, 3 = 0.33, 4 = 0.76, 5 = 0.38, 6 = 0.67, 7 = 0.60, 8 = 0.73, 9 = 0.63, 10 = 0.17, 11 = 0.64, 12 = 0.57, 13 = 0.68, 14 = 0.47, 15 = 0.96, 16 = 0.33 and 17 = 0.33

September 26,2005

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
					J1504646
L132126	T15	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 514 lb uplift at joint 2 and 357 lb uplift at joint 9.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T16	ROOF TRUSS	2	1	J1504647
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:35 2005 Page 1

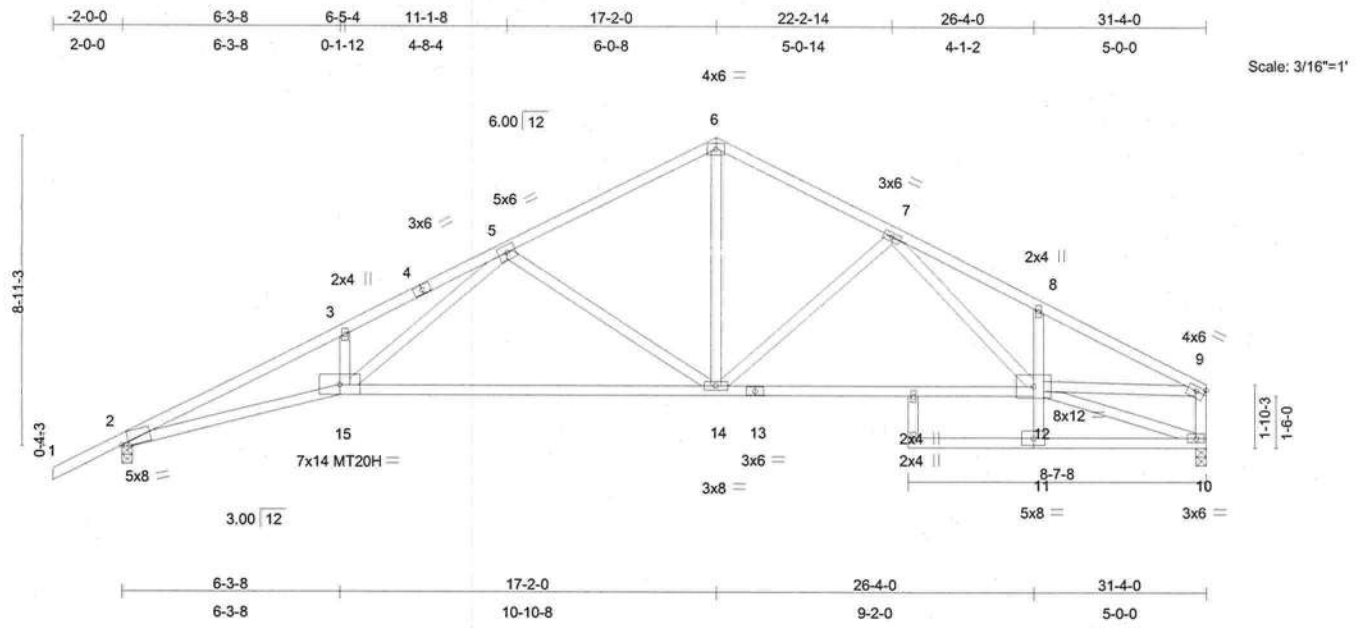

Plate Offsets (X,Y): [2:0-2-7,Edge], [9:Edge,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.60	14-15	>623	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.97	Vert(TL)	-0.99	14-15	>376	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.87	Horz(TL)	0.34	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 181 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2 *Except* 8-11 2 X 4 SYP No.3
WEBS	2 X 4 SYP No.3 *Except* 9-10 2 X 4 SYP No.2
OTHERS	2 X 4 SYP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-2-12 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 2=1424/0-3-8, 10=1300/0-3-8
Max Horz 2=275(load case 5)
Max Uplift 2=-530(load case 5), 10=-376(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/46, 2-3=-4453/2157, 3-4=-4386/2314, 4-5=-4284/2330, 5-6=-1711/979, 6-7=-1694/988, 7-8=-2480/1390, 8-9=-2439/1259, 9-10=-1255/701
BOT CHORD	2-15=-1952/4017, 14-15=-1091/2222, 13-14=-837/1796, 12-13=-837/1796, 11-12=0/62, 8-12=-242/275, 10-11=-28/13
WEBS	3-15=-183/294, 5-15=-1083/2177, 5-14=-914/658, 6-14=-576/1150, 7-14=-472/391, 7-12=-298/564, 9-12=-972/1990, 10-12=-52/131

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

JOINT STRESS INDEX

2 = 0.84, 3 = 0.33, 4 = 0.82, 5 = 0.85, 6 = 0.76, 7 = 0.39, 8 = 0.37, 9 = 0.74, 10 = 0.65, 11 = 0.17, 12 = 0.45, 13 = 0.90, 14 = 0.56, 15 = 0.67, 16 = 0.33 and 17 = 0.33

September 26,2005

Continued on page 2

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult QST-88 Quality Standard, DSB-89 Bracing Specification, and HIB-91 Handling Installing and Bracing Recommendation available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
					J1504647
L132126	T16	ROOF TRUSS	2	1	Job Reference (optional)

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All plates are MT20 plates unless otherwise indicated.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 530 lb uplift at joint 2 and 376 lb uplift at joint 10.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T17	ROOF TRUSS	1	1	J1504648
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:36 2005 Page 1

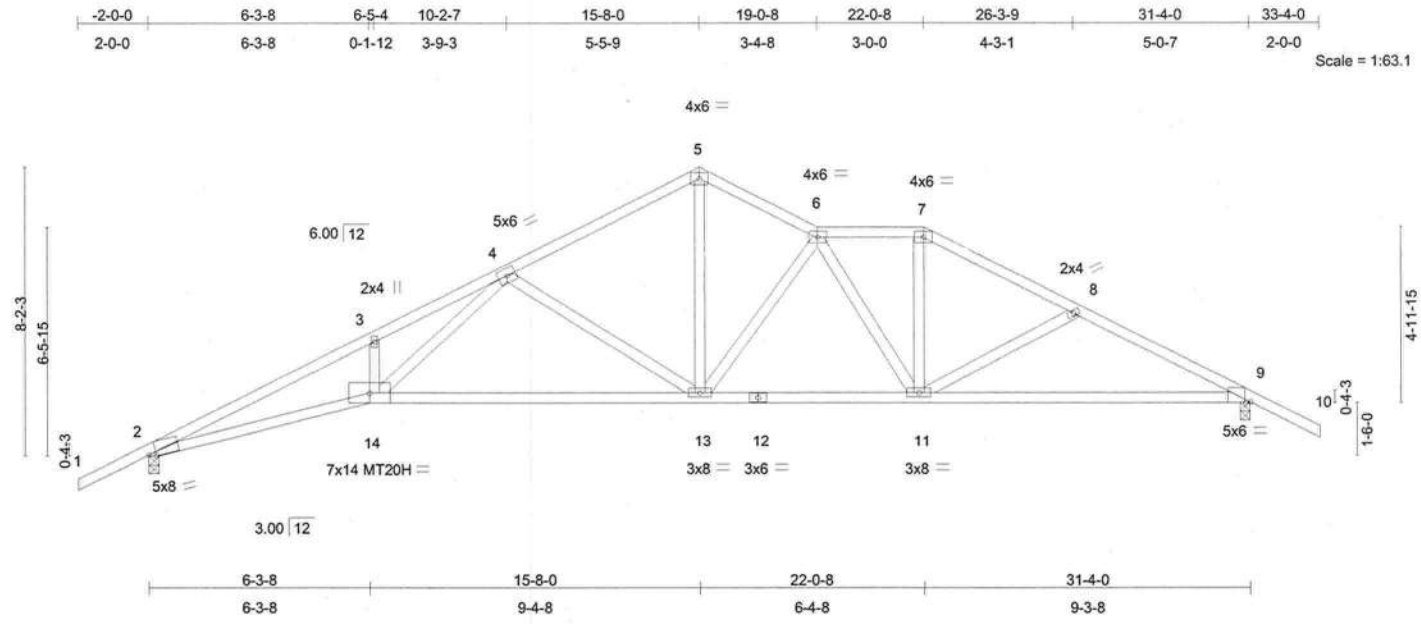

Plate Offsets (X,Y): [2:0-2-7,Edge], [9:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.51	13-14	>735	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.90	Vert(TL)	-0.83	13-14	>447	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.71	Horz(TL)	0.27	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 163 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 2-2-11 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 4-8-9 oc bracing.

REACTIONS (lb/size) 2=1420/0-3-8, 9=1420/0-3-8
Max Horz 2=239(load case 5)
Max Uplift 2=-519(load case 5), 9=-518(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/46, 2-3=-4411/2018, 3-4=-4334/2176, 4-5=-1873/1006, 5-6=-1820/1016, 6-7=-1828/998, 7-8=-2077/1042, 8-9=-2330/1176, 9-10=0/47
BOT CHORD	2-14=-1738/3977, 13-14=-1028/2384, 12-13=-761/2028, 11-12=-761/2028, 9-11=-872/2034
WEBS	3-14=-169/272, 4-14=-927/1994, 4-13=-920/607, 5-13=-631/1325, 6-13=-703/408, 6-11=-386/222, 7-11=-260/681, 8-11=-271/266

JOINT STRESS INDEX

2 = 0.83, 3 = 0.33, 4 = 0.76, 5 = 0.64, 6 = 0.46, 7 = 0.56, 8 = 0.33, 9 = 0.65, 11 = 0.57, 12 = 0.77, 13 = 0.64 and 14 = 0.63

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; 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 Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

Continued on page 2

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

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component to be Installed and loaded vertically. Applicability of design paramenters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult QST-88 Quality Standard, DSB-89 Bracing Specification, and HIB-91 Handling Installing and Bracing Recommendation available from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
					J1504648
L132126	T17	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 519 lb uplift at joint 2 and 518 lb uplift at joint 9.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC	J1504649
L132126	T18	ROOF TRUSS	1	1	Job Reference (optional)	

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:36 2005 Page 1

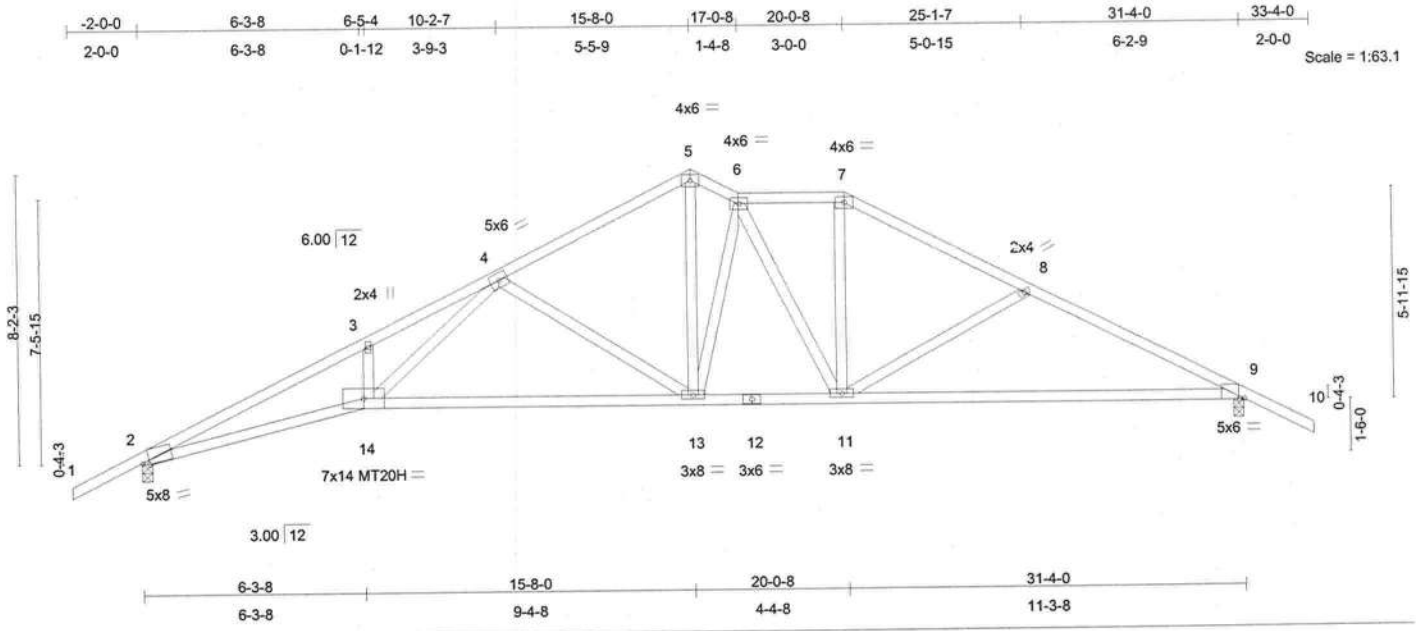

Plate Offsets (X,Y): [2:0-2-7,Edge], [9:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.51	13-14	>725	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-0.85	13-14	>440	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(TL)	0.26	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 168 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 2-2-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 2=1420/0-3-8, 9=1420/0-3-8
Max Horz 2=239(load case 5)
Max Uplift 2=-519(load case 5), 9=-518(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4416/2009, 3-4=-4340/2168, 4-5=-1870/1002, 5-6=-1745/988, 6-7=-1681/955, 7-8=-1936/990, 8-9=-2263/1165, 9-10=0/47
BOT CHORD 2-14=-1730/3982, 13-14=-1021/2380, 12-13=-583/1751, 11-12=-583/1751, 9-11=-849/1975
WEBS 3-14=-172/274, 4-14=-926/2006, 4-13=-915/601, 5-13=-565/1241, 6-13=-620/264, 6-11=-227/123, 7-11=-192/575, 8-11=-365/356

JOINT STRESS INDEX
2 = 0.83, 3 = 0.33, 4 = 0.76, 5 = 0.70, 6 = 0.65, 7 = 0.70, 8 = 0.33, 9 = 0.76, 11 = 0.60, 12 = 0.84, 13 = 0.67 and 14 = 0.64

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; 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 Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
					J1504649
L132126	T18	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 519 lb uplift at joint 2 and 518 lb uplift at joint 9.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T19	ROOF TRUSS	1	1	J1504650 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:37 2005 Page 1

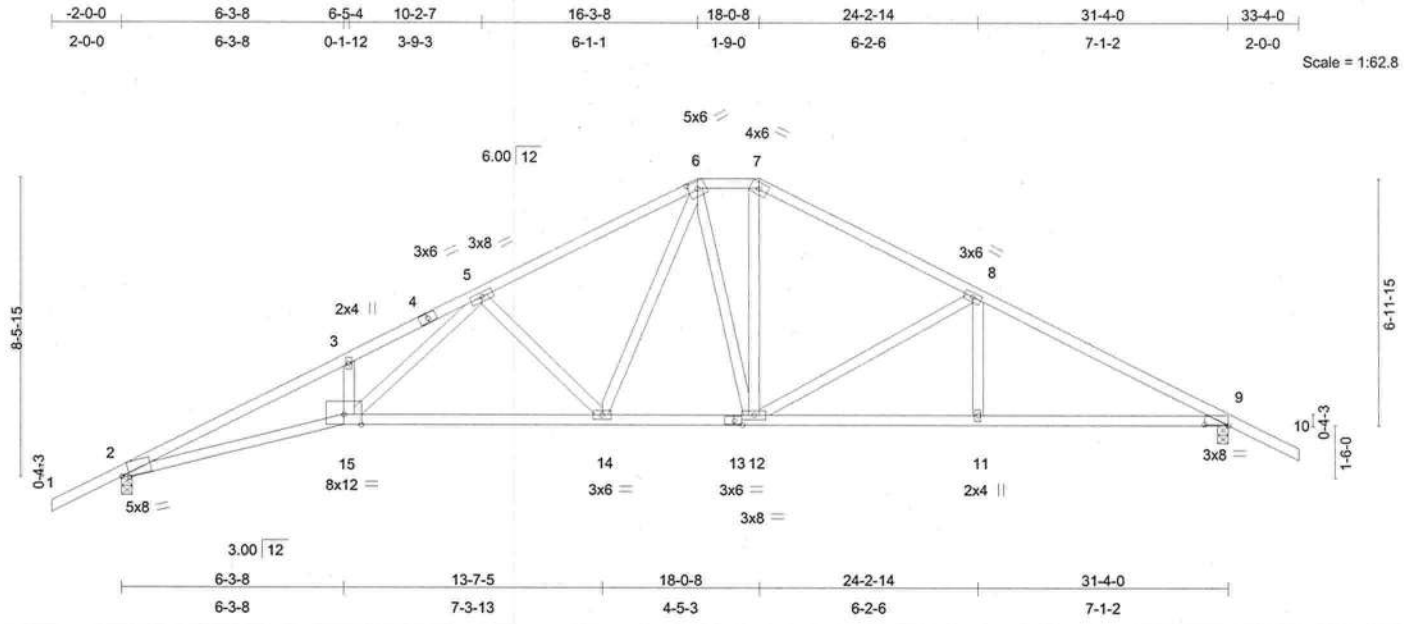

Plate Offsets (X,Y): [2:0-2-7,Edge], [6:0-3-0,0-2-7], [9:0-8-0,0-0-6], [13:0-2-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.72	Vert(LL)	-0.40	14-15	>940	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.89	Vert(TL)	-0.64	14-15	>580	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.61	Horz(TL)	0.26	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 167 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 2-2-5 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 4-8-10 oc bracing.

REACTIONS (lb/size) 2=1420/0-3-8, 9=1420/0-3-8
Max Horz 2=245(load case 5)
Max Uplift 2=-524(load case 5), 9=-491(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/46, 2-3=-4363/2031, 3-4=-4283/2168, 4-5=-4201/2181, 5-6=-2128/1156, 6-7=-1487/932, 7-8=-1732/955, 8-9=-2354/1144, 9-10=0/47
BOT CHORD	2-15=-1749/3931, 14-15=-1044/2410, 13-14=-484/1512, 12-13=-484/1512, 11-12=-821/2022, 9-11=-821/2022
WEBS	3-15=-161/256, 5-15=-918/1902, 5-14=-840/584, 6-14=-430/870, 6-12=-273/178, 7-12=-260/565, 8-12=-633/417, 8-11=0/229

JOINT STRESS INDEX

2 = 0.82, 3 = 0.33, 4 = 0.73, 5 = 0.95, 6 = 0.56, 7 = 0.63, 8 = 0.39, 9 = 0.72, 11 = 0.33, 12 = 0.67, 13 = 0.55, 14 = 0.75 and 15 = 0.88

NOTES

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

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
					J1504650
L132126	T19	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 524 lb uplift at joint 2 and 491 lb uplift at joint 9.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T20	ROOF TRUSS	3	1	J1504651
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:37 2005 Page 1

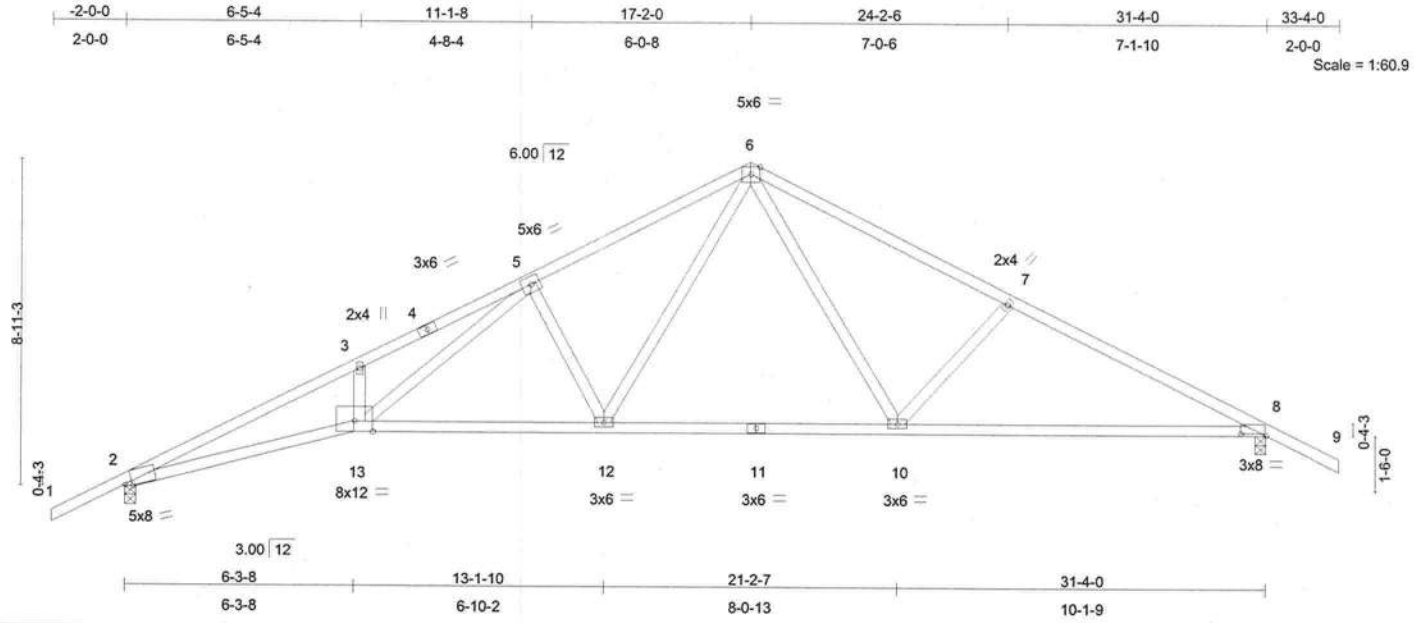

Plate Offsets (X,Y): [2:0-2-7,Edge], [8:0-8-4,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.39	12-13	>949	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.90	Vert(TL)	-0.63	12-13	>589	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.71	Horz(TL)	0.26	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 154 lb	

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-6-6 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 4-7-13 oc bracing.

REACTIONS (lb/size) 2=1420/0-3-8, 8=1420/0-3-8
Max Horz 2=254(load case 5)
Max Uplift 2=-530(load case 5), 8=-498(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/46, 2-3=-4352/2076, 3-4=-4295/2237, 4-5=-4193/2253, 5-6=-2213/1257, 6-7=-2027/1115, 7-8=-2268/1187, 8-9=0/47
BOT CHORD	2-13=-1791/3917, 12-13=-958/2248, 11-12=-456/1410, 10-11=-456/1410, 8-10=-861/1970
WEBS	3-13=-196/302, 5-13=-1053/2033, 5-12=-748/549, 6-12=-529/1032, 6-10=-283/671, 7-10=-380/405

JOINT STRESS INDEX

2 = 0.82, 3 = 0.33, 4 = 0.80, 5 = 0.80, 6 = 0.72, 7 = 0.33, 8 = 0.79, 10 = 0.52, 11 = 0.56, 12 = 0.80 and 13 = 0.83

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; 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 Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
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September 26,2005

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
					J1504651
L132126	T20	ROOF TRUSS	3	1	
					Job Reference (optional)

NOTES

3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 530 lb uplift at joint 2 and 498 lb uplift at joint 8.

LOAD CASE(S) Standard

Truss Design Engineer: Lawrence A. Paine, PE
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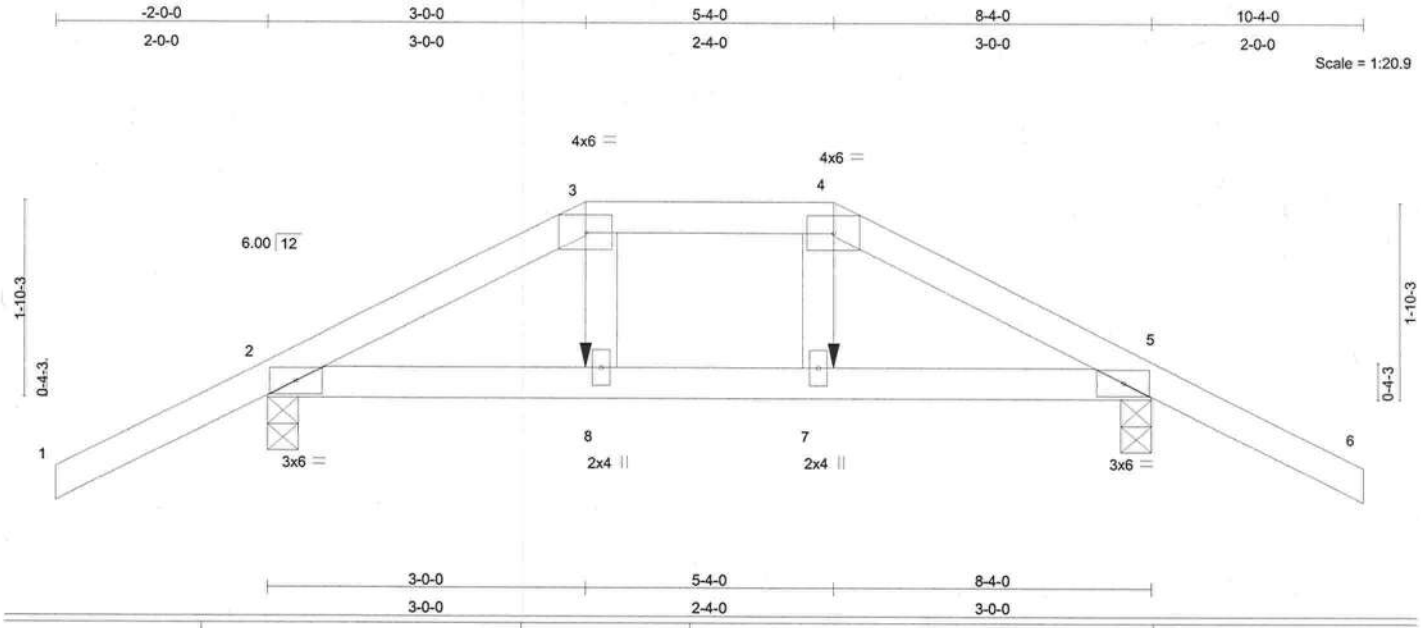
Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T21	ROOF TRUSS	1	1	J1504652
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:38 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	0.01	8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.17	Vert(TL)	-0.02	7-8	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.05	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 37 lb	

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

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

REACTIONS (lb/size) 2=533/0-3-8, 5=533/0-3-8
Max Horz 2=74(load case 4)
Max Uplift 2=-370(load case 4), 5=-370(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-587/300, 3-4=-488/275, 4-5=-587/300, 5-6=0/47
BOT CHORD 2-8=-217/476, 7-8=-223/488, 5-7=-216/476
WEBS 3-8=-80/149, 4-7=-80/149

JOINT STRESS INDEX
2 = 0.50, 3 = 0.11, 4 = 0.11, 5 = 0.50, 7 = 0.11 and 8 = 0.11

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; 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.
3) Provide adequate drainage to prevent water ponding.
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 370 lb uplift at joint 2 and 370 lb uplift at joint 5.
6) Girder carries hip end with 3-0-0 end setback.

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T21	ROOF TRUSS	1	1	J1504652 Job Reference (optional)

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: 1-3=-54, 3-4=-64(F=-10), 4-6=-54, 2-8=-30, 7-8=-35(F=-5), 5-7=-30
   Concentrated Loads (lb)
   Vert: 8=-63(F) 7=-63(F)

Truss Design Engineer: Lawrence A. Paine, PE
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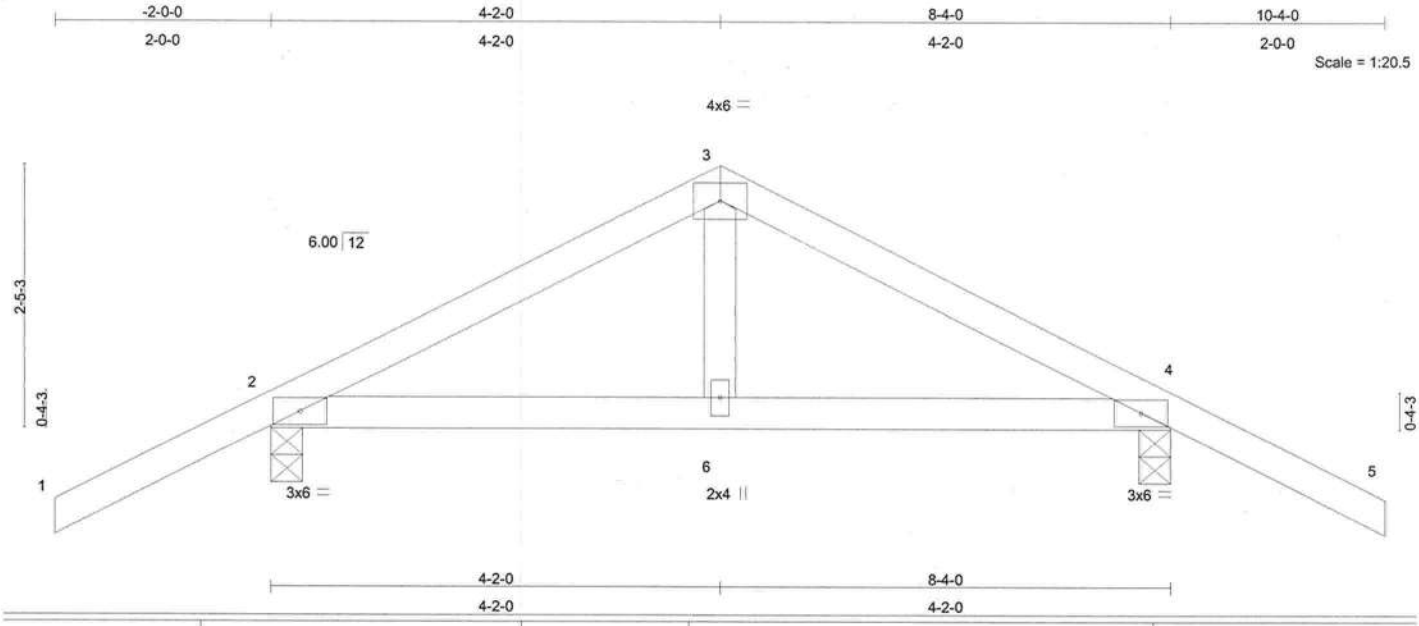
Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T22	ROOF TRUSS	3	1	J1504653
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:38 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.02	2-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.10	Vert(TL)	0.01	2-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 36 lb	

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

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

REACTIONS (lb/size) 2=454/0-3-8, 4=454/0-3-8
Max Horz 2=-86(load case 6)
Max Uplift 2=-339(load case 5), 4=-339(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-398/514, 3-4=-398/514, 4-5=0/47
BOT CHORD 2-6=-289/305, 4-6=-289/305
WEBS 3-6=-211/120

JOINT STRESS INDEX
2 = 0.53, 3 = 0.44, 4 = 0.53 and 6 = 0.09

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; 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.
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 339 lb uplift at joint 2 and 339 lb uplift at joint 4.

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September 26,2005

LOAD CASE(S) Standard

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T23	ROOF TRUSS	1	1	J1504654
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:38 2005 Page 1

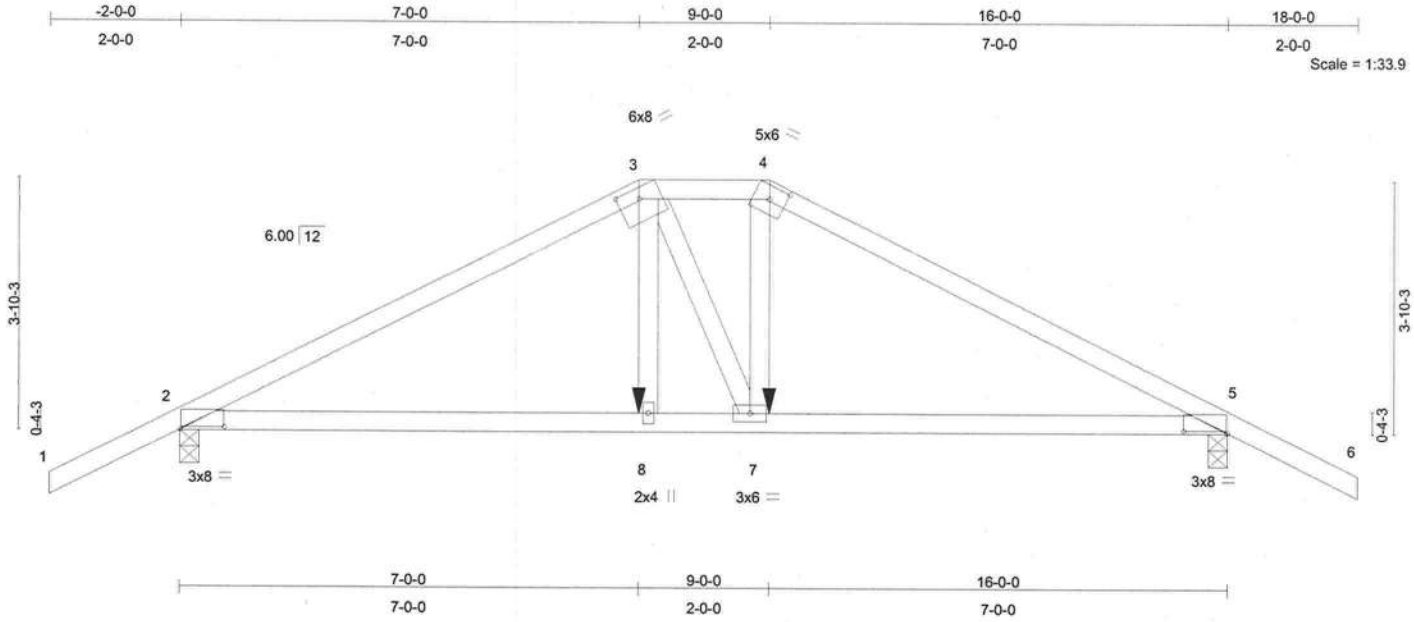

Plate Offsets (X,Y): [2:0-8-0,0-0-6], [3:0-4-0,0-1-15], [4:0-3-0,0-2-7], [5:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.13	2-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.20	2-8	>945	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.27	Horz(TL)	0.05	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 72 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 3-9-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-1-3 oc bracing.

REACTIONS (lb/size) 2=1408/0-3-8, 5=1408/0-3-8
Max Horz 2=114(load case 4)
Max Uplift 2=-846(load case 4), 5=-846(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2312/1186, 3-4=-2015/1139, 4-5=-2317/1189, 5-6=0/47
BOT CHORD 2-8=-1013/1981, 7-8=-1027/2011, 5-7=-977/1986
WEBS 3-8=-375/717, 3-7=-143/162, 4-7=-433/831

JOINT STRESS INDEX
2 = 0.71, 3 = 0.64, 4 = 0.67, 5 = 0.71, 7 = 0.53 and 8 = 0.51

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; 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.
3) Provide adequate drainage to prevent water ponding.
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 846 lb uplift at joint 2 and 846 lb uplift at joint 5.

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September 26,2005

Continued on page 2

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Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T23	ROOF TRUSS	1	1	J1504654 Job Reference (optional)

NOTES

6) Girder carries hip end with 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

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-4=-118(F=-64), 4-6=-54, 2-8=-30, 7-8=-65(F=-35), 5-7=-30
   Concentrated Loads (lb)
   Vert: 8=-539(F) 7=-539(F)

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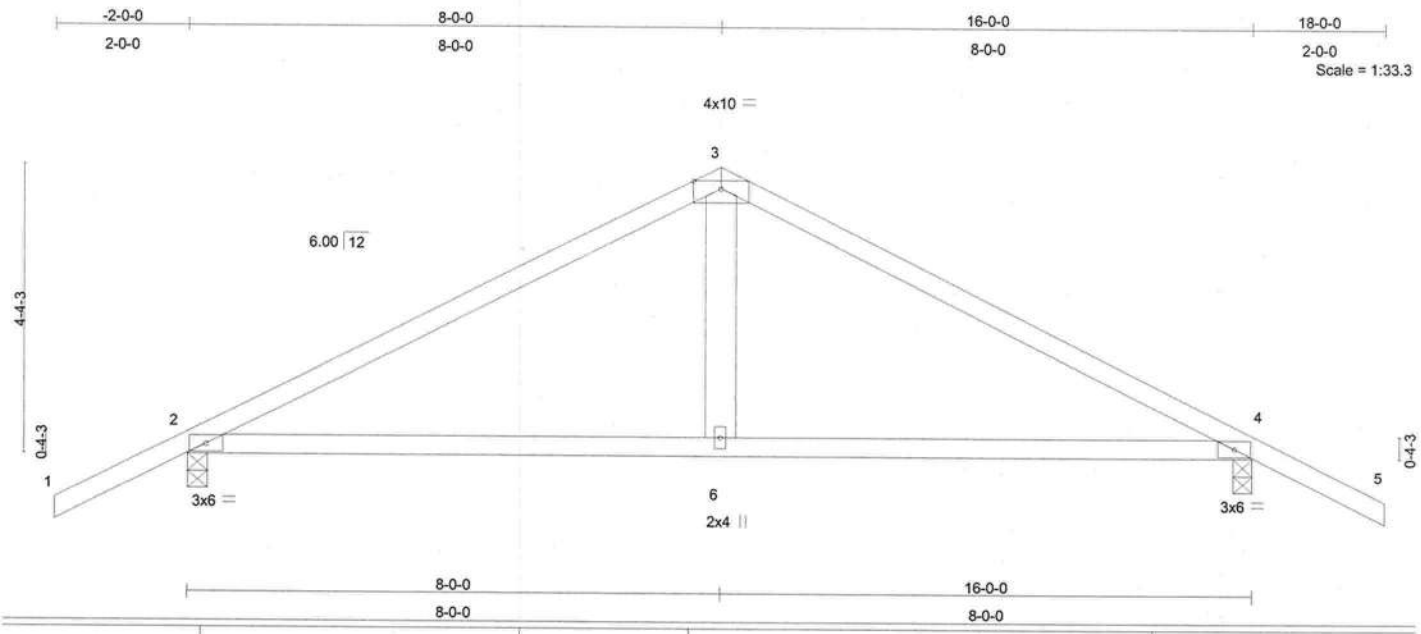
Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 8 CC
L132126	T24	ROOF TRUSS	3	1	J1504655
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:10:39 2005 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.58	Vert(LL)	0.25	2-6	>740	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	0.21	4-6	>888	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.07	Horz(TL)	-0.02	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 66 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-8-15 oc bracing.

REACTIONS (lb/size) 2=776/0-3-8, 4=776/0-3-8
Max Horz 2=124(load case 5)
Max Uplift 2=-525(load case 5), 4=-525(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-930/1068, 3-4=-930/1068, 4-5=0/47
BOT CHORD 2-6=-752/752, 4-6=-752/752
WEBS 3-6=-499/295

JOINT STRESS INDEX
2 = 0.60, 3 = 0.71, 4 = 0.60 and 6 = 0.21

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 110mph (3-second gust); h=13ft; 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.
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 525 lb uplift at joint 2 and 525 lb uplift at joint 4.

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LOAD CASE(S) Standard

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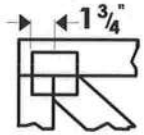
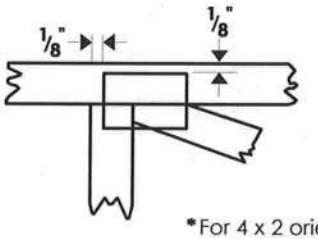
Builders FirstSource

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

PLATE SIZE

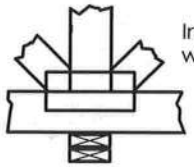
4 x 4

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

LATERAL BRACING

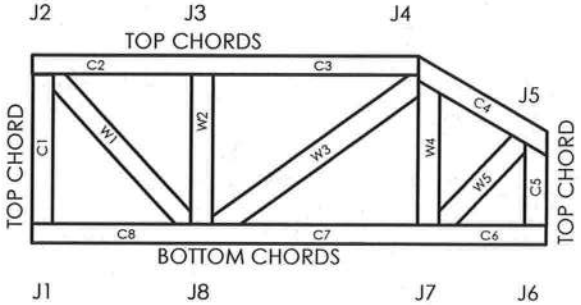
Indicates location of required continuous lateral bracing.

BEARING



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

Numbering System



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

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DILHR	960022-W, 970036-N
NER	561

MiTek®

TEE-LOK®

MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at ¼ panel length (± 6" from adjacent joint.)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

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CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 24-4S-16-03114-144 **Building permit No.** 000023730

Use Classification SFD,UTILITY **Fire:** 29.60

Permit Holder JOHN NORRIS **Waste:** 61.25

Owner of Building PETE GIEBEIG **Total:** 90.85

Location: 254 SW GERALD CANNON CREEK RD

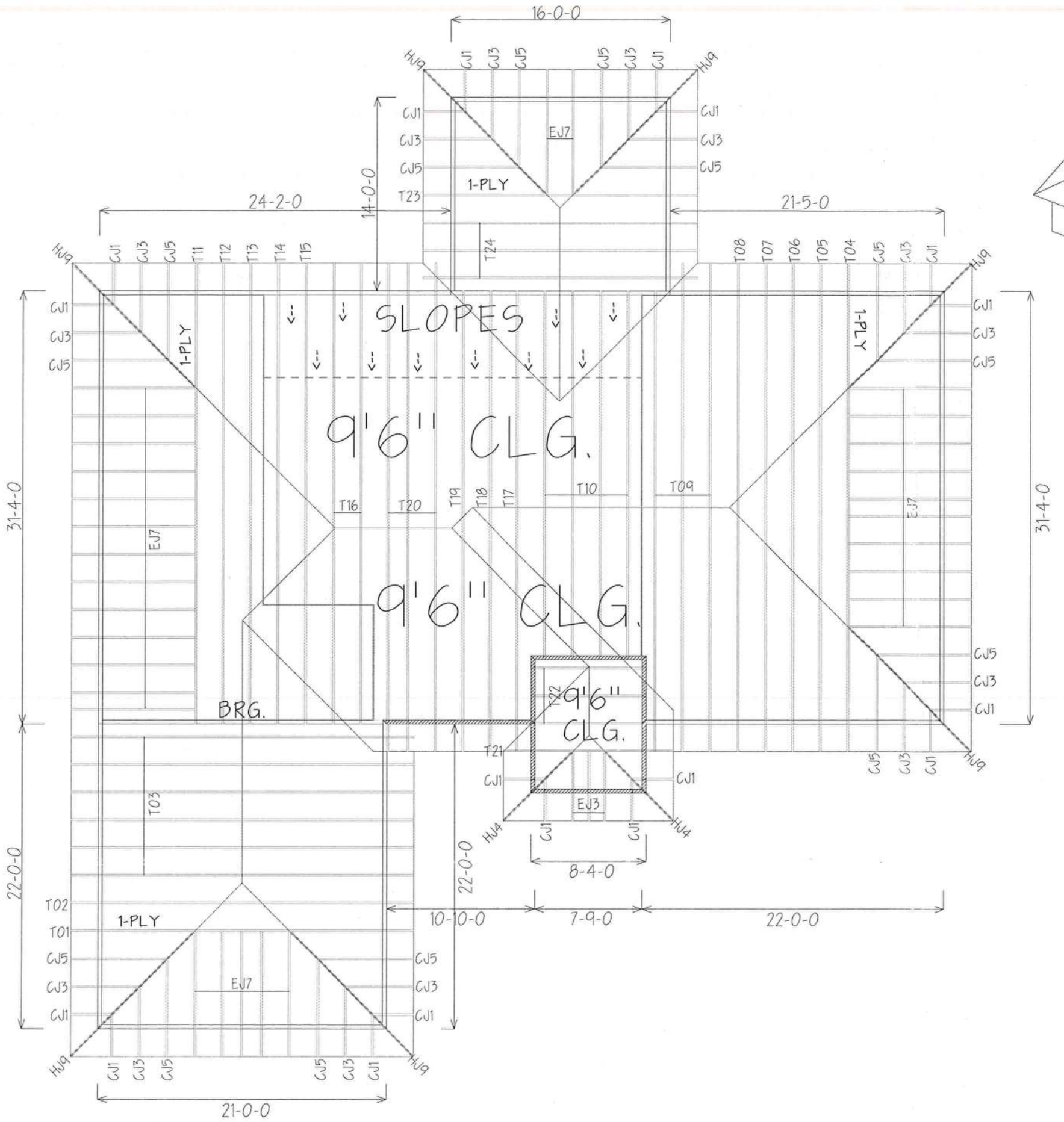
Date: 05/26/2006

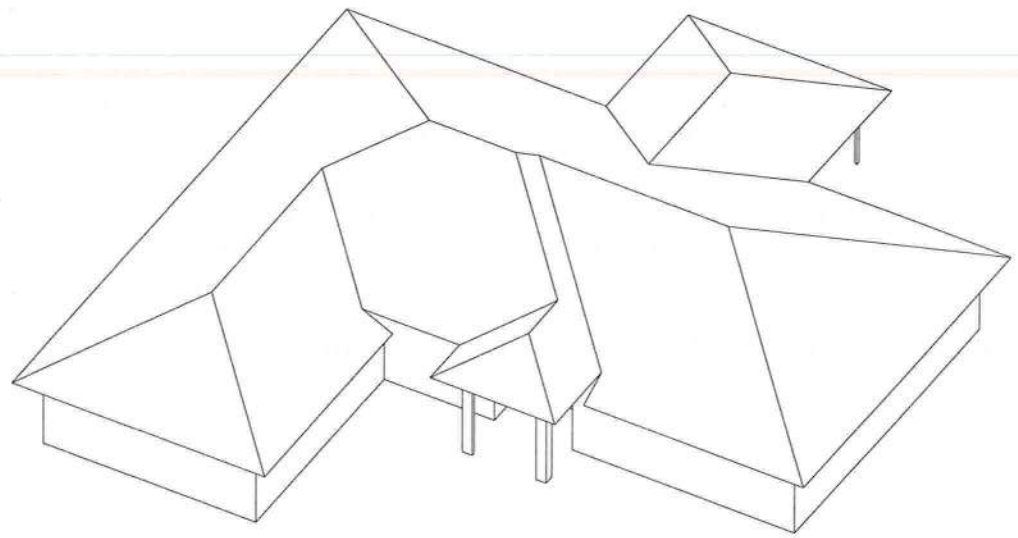
Harry Dicks

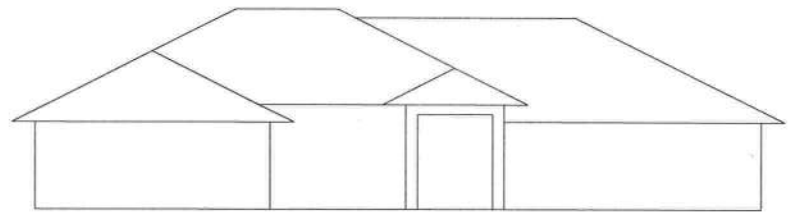
Building Inspector

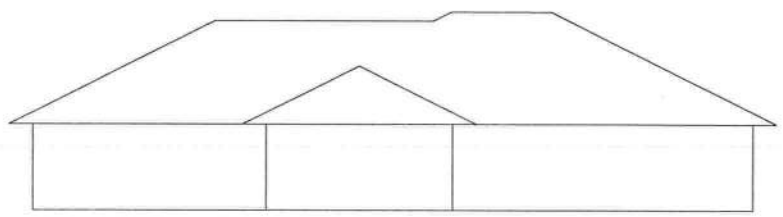
POST IN A CONSPICUOUS PLACE
(Business Places Only)

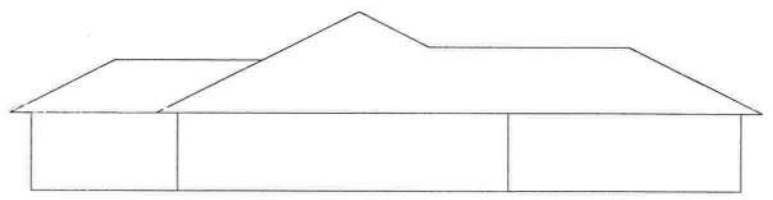
6/12 PITCH - 2'0" O/H

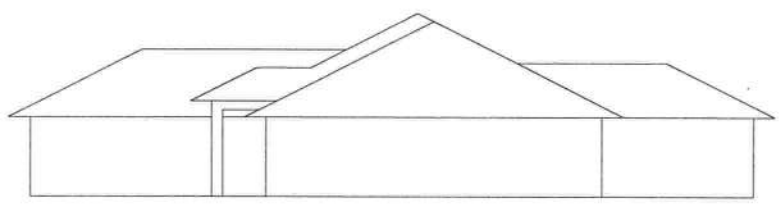












BEARING HEIGHT SCHEDUL

	8'-0"
	9'-6"

NOTES:

1.) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BE REFER TO ENGINEERED DRAWINGS FOR PERMAI BRACING REQUIRED.

2.) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V10S FOR ALTERNATE BRACING REQUIREMENTS.

3.) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.

4.) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED

5.) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.

6.) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.

7.) ALL ROOF TRUSS HANGERS TO BE SIMPSON HUS26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.

8.) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVA

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION TRUSSES AND VOIDS ALL PREVIOUS ARCHITECTURAL OR TRUSS LAYOUTS. REVIEW AND APPROVAL OF THIS LAYOU BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERI CONDITIONS TO INSURE AGAINST CHANGES THAT WILL R IN EXTRA CHARGES TO YOU.

Requested Delivery Date: _____

Approved by: _____ Date: _____

Builders FirstSource

Bunnell
PHONE: 904-437-3349 FAX: 904-437-

Jacksonville
PHONE: 904-772-6100 FAX: 904-772-

Lake City
PHONE: 904-755-6894 FAX: 904-755-

Sanford
PHONE: 407-322-0059 FAX: 407-322-

BUILDER: GIEBEIG HOMES

LEGAL ADDRESS: LOT 8 CANNON CRE

MODEL:	REVISION:
ST.JOHNS 4-BDRM	SCALE: N

DATE:	DRAWN BY:	JOB #:
9-23-05	K.L.H.	L1321

Notice of Treatment 11736

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: Boyd Rd
City LC Phone 752-1703

Site Location: Subdivision Cannon Creek Pl
Lot # 44 Block# _____ Permit # 23730
Address 254 Gerald Conner Dr

Product used	Active Ingredient	% Concentration
☐ Dursban TC	Chlorpyrifos	0.5%
☐ Termidor	Fipronil	0.06%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Duellings	1944	200	325

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

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

12-5-05 Date | 0800 Time | Gunny F254 Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink
6/04 ©