Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000023733

9/2005

APPLICANT JACKIE NORRIS PHONE 758.3663

ADDRESS POB 238 WHITE SPRINGS FL 32096

OWNER PETE GIEBEIG PHONE 752.7968

ADDRESS 217 SW GERALD CONNER DRIVE LAKE CITY FL 32024

CONTRACTOR JOHN D. NORRIS PHONE 758.3663

LOCATION OF PROPERTY C-341-S TO KICKLIGHTER ROAD,TL GO TO CANNON CREEK PLACE S.D,TO SW GERALD CONNER DRIVE

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 98600.00

HEATED FLOOR AREA 1972.00 TOTAL AREA 2951.00 HEIGHT 18.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC

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-16-03114-108 SUBDIVISION CANNON CREEK PLACE

LOT 8 BLOCK PHASE UNIT TOTAL ACRES .50

000000849		RG0066597	Jackie Norris	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
18"X32'MITERED	05-0956-N	BLK	JTH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE. PLAT REQUIRES 1ST. FLOOR ELEVATION TO BE A MINIMUM OF 103.0'. ELEVATION LETTER REQUIRED.

Check # or Cash 3502

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

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

Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by

Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

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

Pool _____ date/app. by

Reconnection _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H Pole _____ date/app. by

Travel Trailer _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 495.00 CERTIFICATION FEE $ 14.76 SURCHARGE FEE $ 14.76

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** 624.52

INSPECTORS OFFICE 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.

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

Land Surveyors
and Mappers

23733

10/25/05

L-16739

To Whom It May Concern:

C/o: Trent Giebeig

Re: Lot 8 Cannon Creek Place

The elevation of the foundation is found to be 103.82 feet. The proposed floor elevation is shown to be 103.00 feet on the plat of record. The highest adjacent grade is 102.70 feet and the lowest adjacent grade is 101.80 feet.

L. Scott Britt
PLS #5757

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000000849

DATE 10/19/2005 PARCEL ID # 24-4S-16-03114-108

APPLICANT JACKIE NORRIS PHONE 758.3663

ADDRESS POB 238 WHITE SPRINGS FL 32096

OWNER PETE GIBEIG PHONE 752.7968

ADDRESS 217 GERALD CONNER DRIVE LKE CITY FL 32024

CONTRACTOR JOHN D. NORRIS PHONE 758.3663

LOCATION OF PROPERTY C-341 TO KICKLIGHTER ROAD,TL GO TO CANNON CREEK PLACE S.D TO GERALD CONNER DRIVE

SUBDIVISION/LOT/BLOCK/PHASE/UNIT CANNON CREEK PLACE 8

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

Building Permit Application

- 849 -

OR 7TH 10-4-05
BLK 14.10.05

Date 9/24/05

Application No. 0509-91

Applicants Name & Address Jackie Norris PO Box 238 White Spring FL 32096 Phone 758-3663

Owners Name & Address Pete Giebeig P.O. Box 1384 Lake City FL 32056 Phone 752 7968

Fee Simple Owners Name & Address " " " Phone "

Contractors Name & Address John Norris Phone 758-3663

Legal Description of Property Lot # 8 Cannon Creek Place

Location of Property west end of Cannon Creek Rd. - LOT 8
(911 #) 217 Gerald Comber Drive

Tax Parcel Identification No. 24-4S-16-03114-~~000~~ 108 Estimated Cost of Construction $ 75,000.00

Type of Development residential Number of Existing Dwellings on Property None

Comprehensive Plan Map Category 2per Acre RES. Low Den Zoning Map Category RSH-2

Building Height 18' Number of Stories 1 Floor Area 1920 Total Acreage in Development 40 A.

Distance From Property Lines (Set Backs) Front 35 38 Side 40 37'9" FRont Rear 80 30' Street 40 64'

Flood Zone Zone X Replat 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

Porches 290 GARAGE 489 TOTAL 2,951 Living 1972

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. S

Owner or Agent (including contractor)

John D Norris

Contractor

RG 00 66597

Contractor License Number

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

28733

CWER

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

NOTICE OF COMMENCEMENT

Inst:2005021812 Date:09/07/2005 Time:13:19
DC,P.DeWitt Cason,Columbia County B:1057 P:1339

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 #8 Cannon Creek Place
217 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

7. Persons within the State of Florida designated by Owner upon notices or other documents may be Served as provided by 713,13 (l)(a)(7), Florida Statues.
N/A

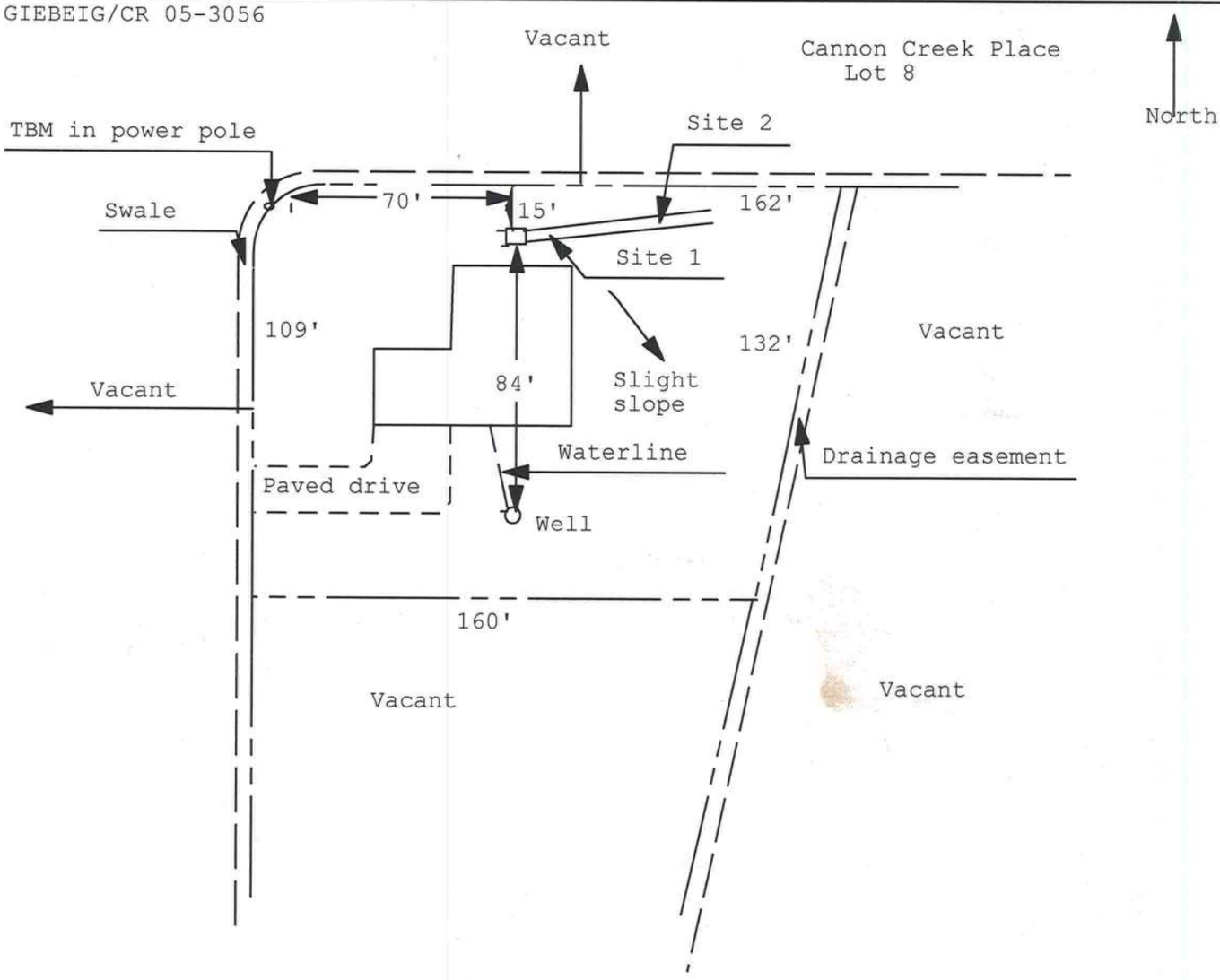
8 In addition to himself, the Owner designates the following person to recieve a copy of the Lienor's

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

Permit Application Number: 05-0956N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GIEBEIG/CR 05-3056



1 inch = 50 feet

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

Plan Approved ✓ **Not Approved** ____ **Date** 9/23/05

By [signature] 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:	**4 bedroom St. Johns Model**	Builder:	**John Norris**
Address:	**Lot: 8, Sub: Canon Creek, Plat:**	Permitting Office:	**Columbia County**
City, State:	**Lake City, FL**	Permit Number:	23733
Owner:	**Pete Giebeig**	Jurisdiction Number:	221000
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		4	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1972 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	191.0 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, 195.8(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Face Brick, Wood, Exterior		R=13.0, 1398.0 ft²	
b. Frame, Wood, Adjacent		R=13.0, 168.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1972.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=7.0, 60.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 36.0 kBtu/hr	
	SEER: 12.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 36.0 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)		

Glass/Floor Area: 0.10

Total as-built points: 25864

Total base points: 33578

PASS

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

PREPARED BY: Willa H. Green

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.

BUILDING OFFICIAL: _____

DATE: _____

EnergyGauge® (Version: FLRCPB v3.30)

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 8, Sub: Canon 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	1972.0	32.50	11536.2	Double, Clear	E	1.5	6.0	30.0	68.60	0.92	1888.1	
				Double, Clear	E	1.5	6.0	20.0	68.60	0.92	1258.7	
				Double, Clear	E	1.5	6.0	30.0	68.60	0.92	1888.1	
				Double, Clear	E	12.5	8.0	40.0	68.60	0.44	1196.5	
				Double, Clear	W	1.5	6.0	30.0	61.59	0.92	1696.3	
				Double, Clear	W	1.5	6.0	30.0	61.59	0.92	1696.3	
				Double, Clear	S	1.5	2.0	5.0	58.45	0.57	166.7	
				Double, Clear	S	1.5	4.0	6.0	58.45	0.76	266.1	
				As-Built Total:				**191.0**			**10056.9**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	168.0	1.00	168.0	Face Brick, Wood, Exterior	13.0	1398.0	0.98	1363.1
Exterior	1398.0	2.70	3774.6	Frame, Wood, Adjacent	13.0	168.0	0.90	151.2
Base Total:	**1566.0**		**3942.6**	**As-Built Total:**		**1566.0**		**1514.3**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	17.7	2.60	46.0	Exterior Wood	20.0	9.40	188.0
Exterior	20.0	6.40	128.0	Adjacent Wood	17.7	3.80	67.2
Base Total:	**37.7**		**174.0**	**As-Built Total:**	**37.7**		**255.2**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	1972.0	2.80	5521.6	Under Attic	30.0	1972.0	2.77 X 1.00	5462.4
Base Total:	**1972.0**		**5521.6**	**As-Built Total:**		**1972.0**		**5462.4**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	195.8(p)	-20.0	-3916.6	Slab-On-Grade Edge Insulation	0.0	195.8(p	-20.00	-3916.6
Raised	0.0	0.00	0.0					
Base Total:			**-3916.6**	**As-Built Total:**		**195.8**		**-3916.6**

INFILTRATION	Area X	BSPM	= Points	Area X	SPM	= Points
	1972.0	18.79	37053.9	1972.0	18.79	37053.9

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 8, Sub: Canon Creek, Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT						
Summer Base Points:			**54311.6**	**Summer As-Built Points:**						**50426.0**
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
54311.6	**0.4266**		**23169.3**	50426.0 **50426.0**	1.000 **1.00**	(1.066 x 1.165 x 0.90) **1.117**	0.284 **0.284**	1.000 **1.000**		16008.5 **16008.5**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 8, Sub: Canon 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	1972.0	2.36	837.7	Double, Clear	E	1.5	6.0	30.0	3.30	1.02	101.1
				Double, Clear	E	1.5	6.0	20.0	3.30	1.02	67.4
				Double, Clear	E	1.5	6.0	30.0	3.30	1.02	101.1
				Double, Clear	E	12.5	8.0	40.0	3.30	1.18	156.0
				Double, Clear	W	1.5	6.0	30.0	3.98	1.00	119.1
				Double, Clear	W	1.5	6.0	30.0	3.98	1.00	119.1
				Double, Clear	S	1.5	2.0	5.0	3.12	1.25	19.5
				Double, Clear	S	1.5	4.0	6.0	3.12	1.07	20.0
				As-Built Total:				**191.0**			**703.4**

WALL TYPES	Area X	BWPM =	Points	Type	R-Value	Area X	WPM =	Points
Adjacent	168.0	0.50	84.0	Face Brick, Wood, Exterior	13.0	1398.0	0.43	594.2
Exterior	1398.0	0.60	838.8	Frame, Wood, Adjacent	13.0	168.0	0.50	84.0
Base Total:	**1566.0**		**922.8**	**As-Built Total:**		**1566.0**		**678.2**

DOOR TYPES	Area X	BWPM =	Points	Type	Area X	WPM =	Points
Adjacent	17.7	1.30	23.0	Exterior Wood	20.0	2.80	56.0
Exterior	20.0	1.80	36.0	Adjacent Wood	17.7	1.90	33.6
Base Total:	**37.7**		**59.0**	**As-Built Total:**	**37.7**		**89.6**

CEILING TYPES	Area X	BWPM =	Points	Type	R-Value	Area X	WPM X WCM =	Points
Under Attic	1972.0	0.10	197.2	Under Attic	30.0	1972.0	0.10 X 1.00	197.2
Base Total:	**1972.0**		**197.2**	**As-Built Total:**		**1972.0**		**197.2**

FLOOR TYPES	Area X	BWPM =	Points	Type	R-Value	Area X	WPM =	Points
Slab	195.8(p)	-2.1	-411.2	Slab-On-Grade Edge Insulation	0.0	195.8(p	-2.10	-411.2
Raised	0.0	0.00	0.0					
Base Total:			**-411.2**	**As-Built Total:**		**195.8**		**-411.2**

INFILTRATION	Area X	BWPM =	Points	Area X	WPM =	Points
	1972.0	-0.06	-118.3	1972.0	-0.06	-118.3

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 8, Sub: Canon Creek, Plat: , Lake City, FL,** PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**1487.1**	**Winter As-Built Points:**						**1138.8**
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
1487.1	**0.6274**	**933.0**	1138.8 **1138.8**	1.000 **1.00**	(1.087 x 1.137 x 0.91) **1.125**	0.461 **0.461**	1.000 **1.000**	590.5 **590.5**

. FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 8, Sub: Canon 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	
4		2369.00	9476.0	50.0	0.90	4	1.00	2316.36	1.00	9265.4	
				As-Built Total:							**9265.4**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
23169	**933**	**9476**	**33578**	**16008**	**590**	**9265**	**25864**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 8, Sub: Canon 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: 8, Sub: Canon 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		4	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1972 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear - single pane	0.0 ft²	191.0 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, 195.8(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Face Brick, Wood, Exterior		R=13.0, 1398.0 ft²	
b. Frame, Wood, Adjacent		R=13.0, 168.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1972.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=7.0, 60.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 36.0 kBtu/hr	
	SEER: 12.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 36.0 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)		

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 850/488-7824.*

(EnergyGauge® Version: FLRCPB v3.30)

Residential System Sizing Calculation

Summary

Pete Giebeig

Lake City, FL

Project Title:
4 bedroom St. Johns Model

Code Only
Professional Version
Climate: South

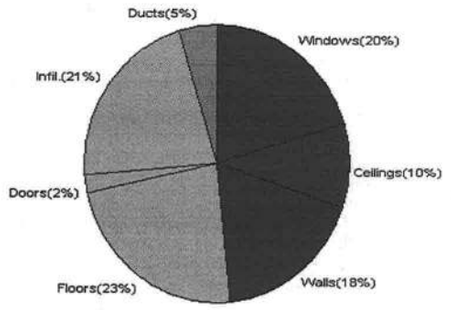
9/26/2005

Location for weather data: Orlando - User customized: Latitude(28) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(44gr.)					
Winter design temperature	38	F	Summer design temperature	98	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	32	F	Summer temperature difference	23	F
Total heating load calculation	**21703**	**Btuh**	**Total cooling load calculation**	**23747**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	165.9	36000	Sensible (SHR = 0.5)	97.5	18000
Heat Pump + Auxiliary(0.0kW)	165.9	36000	Latent	340.3	18000
			Total (Electric Heat Pump)	151.6	36000

WINTER CALCULATIONS

Winter Heating Load (for 1972 sqft)

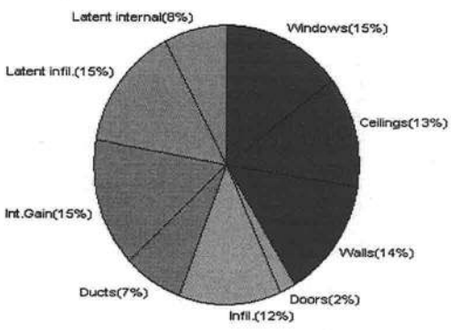
Load component			Load	
Window total	191	sqft	4431	Btuh
Wall total	1566	sqft	3904	Btuh
Door total	38	sqft	457	Btuh
Ceiling total	1972	sqft	2169	Btuh
Floor total	196	ft	5072	Btuh
Infiltration	132	cfm	4637	Btuh
Subtotal			**20670**	**Btuh**
Duct loss			1033	Btuh
TOTAL HEAT LOSS			**21703**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1972 sqft)

Load component			Load	
Window total	191	sqft	3492	Btuh
Wall total	1566	sqft	3234	Btuh
Door total	38	sqft	463	Btuh
Ceiling total	1972	sqft	3076	Btuh
Floor total			0	Btuh
Infiltration	115	cfm	2916	Btuh
Internal gain			3600	Btuh
Subtotal(sensible)			**16780**	**Btuh**
Duct gain			1678	Btuh
Total sensible gain			**18458**	**Btuh**
Latent gain(infiltration)			3449	Btuh
Latent gain(internal)			1840	Btuh
Total latent gain			**5289**	**Btuh**
TOTAL HEAT GAIN			**23747**	**Btuh**



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

System Sizing Calculations - Winter

Residential Load - Component Details

Pete Giebeig

Lake City, FL

Project Title:
4 bedroom St. Johns Model

Code Only
Professional Version
Climate: South

Reference City: Orlando (User customized) Winter Temperature Difference: 32.0 F

9/26/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	30.0	23.2	696 Btuh
2	2, Clear, Metal, DEF	N	20.0	23.2	464 Btuh
3	2, Clear, Metal, DEF	N	30.0	23.2	696 Btuh
4	2, Clear, Metal, DEF	N	40.0	23.2	928 Btuh
5	2, Clear, Metal, DEF	S	30.0	23.2	696 Btuh
6	2, Clear, Metal, DEF	S	30.0	23.2	696 Btuh
7	2, Clear, Metal, DEF	E	5.0	23.2	116 Btuh
8	2, Clear, Metal, DEF	E	6.0	23.2	139 Btuh
	Window Total		191		4431 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1398	2.6	3635 Btuh
2	Frame - Adjacent	13.0	168	1.6	269 Btuh
	Wall Total		1566		3904 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		20	14.7	294 Btuh
2	Wood - Adjac		18	9.2	163 Btuh
	Door Total		38		457Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1972	1.1	2169 Btuh
	Ceiling Total		1972		2169Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	195.8 ft(p)	25.9	5072 Btuh
	Floor Total		196		5072 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	19720(sqft)	132	4637 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			132	4637 Btuh

Totals for Heating	**Subtotal**	**20670 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1033 Btuh**
	Total Btuh Loss	**21703 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:
4 bedroom St. Johns Model

Code Only
Professional Version
Climate: South

Reference City: Orlando (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, B, N N	1.5	6	30.0	0.0	30.0	17	17	510 Btuh
2	2, Clear, DEF, B, N N	1.5	6	20.0	0.0	20.0	17	17	340 Btuh
3	2, Clear, DEF, B, N N	1.5	6	30.0	0.0	30.0	17	17	510 Btuh
4	2, Clear, DEF, B, N N	12.5	8	40.0	0.0	40.0	17	17	680 Btuh
5	2, Clear, DEF, B, N S	1.5	6	30.0	30.0	0.0	17	26	510 Btuh
6	2, Clear, DEF, B, N S	1.5	6	30.0	30.0	0.0	17	26	510 Btuh
7	2, Clear, DEF, B, N E	1.5	2	5.0	3.1	1.9	17	48	144 Btuh
8	2, Clear, DEF, B, N E	1.5	4	6.0	0.0	6.0	17	48	288 Btuh
	Window Total			191					3492 Btuh

Walls	Type	R-Value	Area	HTM	Load
1	Frame - Exterior	13.0	1398.0	2.1	2992 Btuh
2	Frame - Adjacent	13.0	168.0	1.4	242 Btuh
	Wall Total		1566.0		3234 Btuh

Doors	Type	Area	HTM	Load
1	Wood - Exter	20.0	12.3	246 Btuh
2	Wood - Adjac	17.7	12.3	217 Btuh
	Door Total	37.7		463 Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load
1	Under Attic/Dark	30.0	1972.0	1.6	3076 Btuh
	Ceiling Total		1972.0		3076 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab-On-Grade Edge Insulation	0.0	195.8 ft(p)	0.0	0 Btuh
	Floor Total		195.8		0 Btuh

Infiltration	Type	ACH	Volume	CFM=	Load
	Natural	0.35	19720	115.3	2916 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			115	2916 Btuh

Internal gain		Occupants		Btuh/occupant		Appliance	Load
		8	X	300	+	1200	3600 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Pete Giebeig

Lake City, FL

Project Title:
4 bedroom St. Johns Model

Code Only
Professional Version
Climate: South

9/26/2005

Totals for Cooling	**Subtotal**	**16780**	**Btuh**
	Duct gain(using duct multiplier of 0.10)	**1678**	**Btuh**
	Total sensible gain	**18458**	**Btuh**
	Latent infiltration gain (for 44 gr. humidity difference)	**3449**	**Btuh**
	Latent occupant gain (8 people @ 230 Btuh per person)	**1840**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**23747**	**Btuh**

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

Project Information for: **L132129**

Builder:	Giebieg Homes
Lot :	45
Subdivision:	Cannon Creek
County:	Columbia
Truss Count:	26
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:

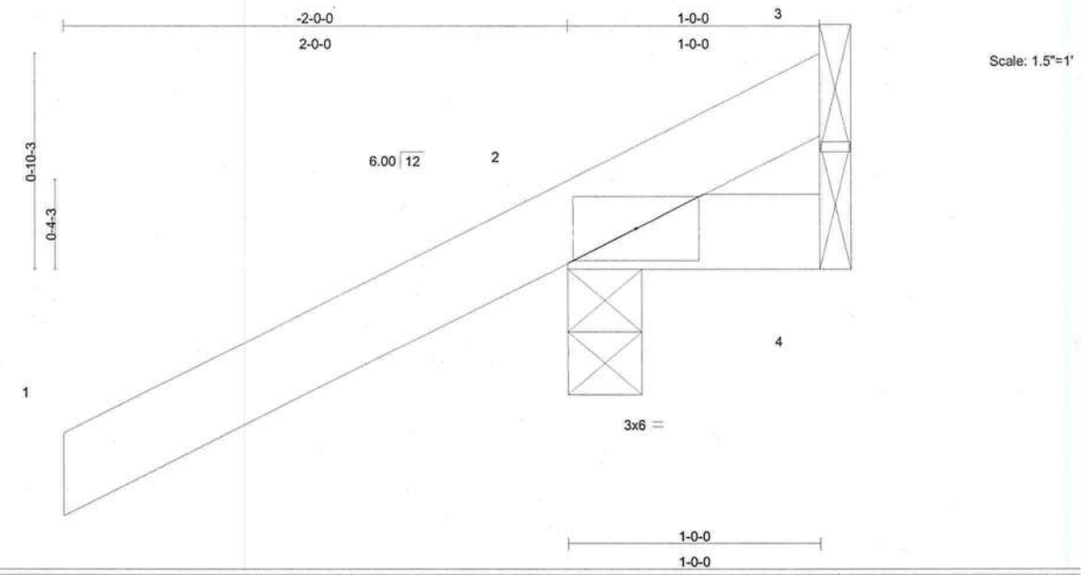
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building contractor of record, as defined in ANSI/TPI 1-2002 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. The 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	J1504682	9/26/05
2	CJ3	J1504683	9/26/05
3	CJ5	J1504684	9/26/05
4	EJ3	J1504685	9/26/05
5	EJ7	J1504686	9/26/05
6	HJ4	J1504687	9/26/05
7	HJ9	J1504688	9/26/05
8	T01	J1504689	9/26/05
9	T02	J1504690	9/26/05
10	T03	J1504691	9/26/05
11	T04	J1504692	9/26/05
12	T05	J1504693	9/26/05
13	T06	J1504694	9/26/05
14	T07	J1504695	9/26/05
15	T08	J1504696	9/26/05
16	T09	J1504697	9/26/05
17	T10	J1504698	9/26/05
18	T11	J1504699	9/26/05
19	T12	J1504700	9/26/05
20	T13	J1504701	9/26/05
21	T14	J1504702	9/26/05
22	T15	J1504703	9/26/05
23	T16	J1504704	9/26/05
24	T17	J1504705	9/26/05
25	T18	J1504706	9/26/05
26	T19	J1504707	9/26/05

0509.91

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	CJ1	ROOF TRUSS	14	1	J1504682 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:16 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) 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.

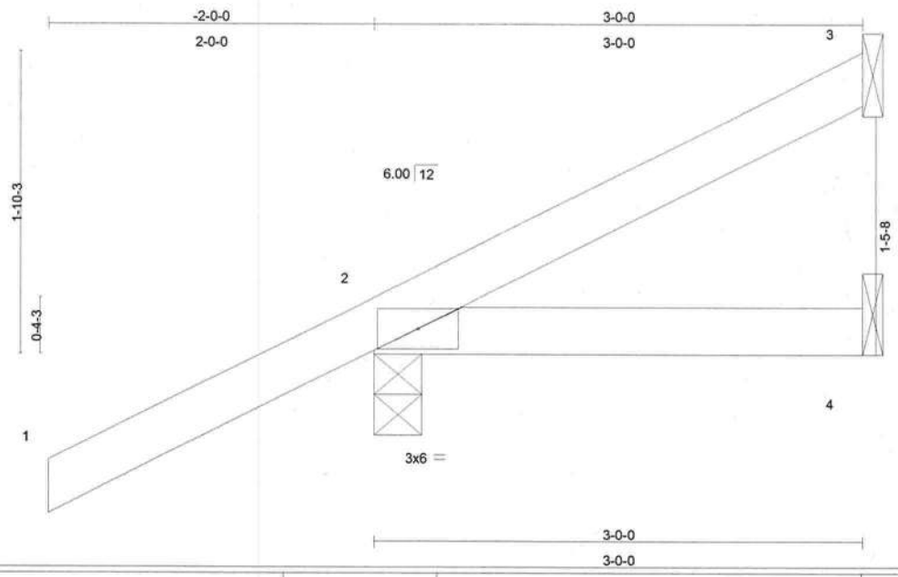
LOAD CASE(S) Standard

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

September 26,2005

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	CJ3	ROOF TRUSS	10	1	J1504683
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:16 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)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.06	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=-203(load case 5)

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; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 25 lb uplift at joint 3 and 203 lb uplift at joint 2.

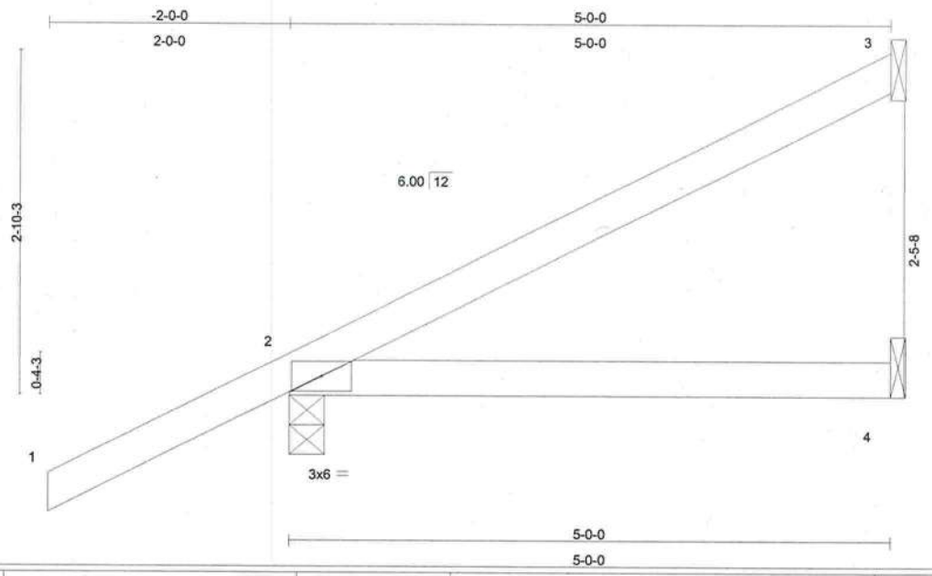
LOAD CASE(S) Standard

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

September 26,2005

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	CJ5	ROOF TRUSS	10	1	J1504684
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:16 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)	-0.03	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	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: 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=-199(load case 5)

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; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3 and 199 lb uplift at joint 2.

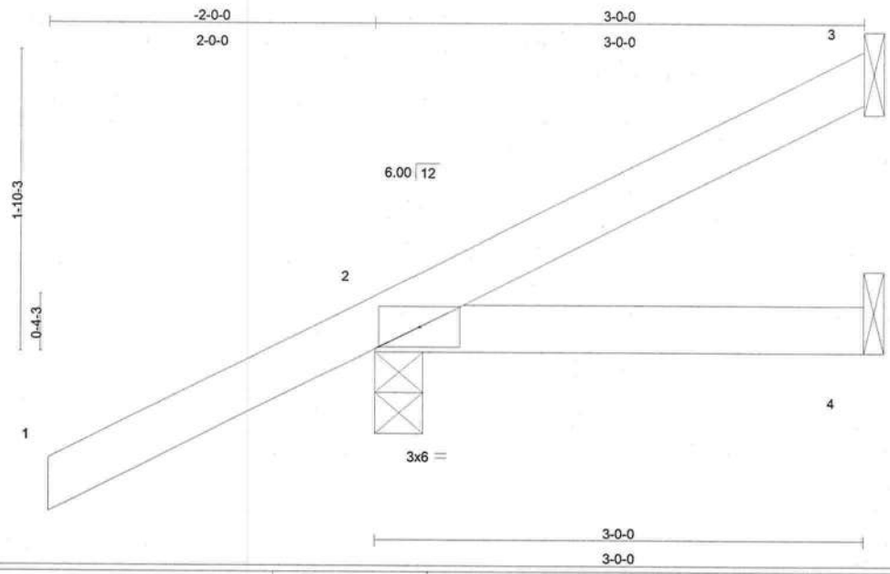
LOAD CASE(S) Standard

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

September 26,2005

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	EJ3	ROOF TRUSS	3	1	J1504685
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:17 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) 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

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	EJ7	ROOF TRUSS	25	1	J1504686
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:18 2005 Page 1

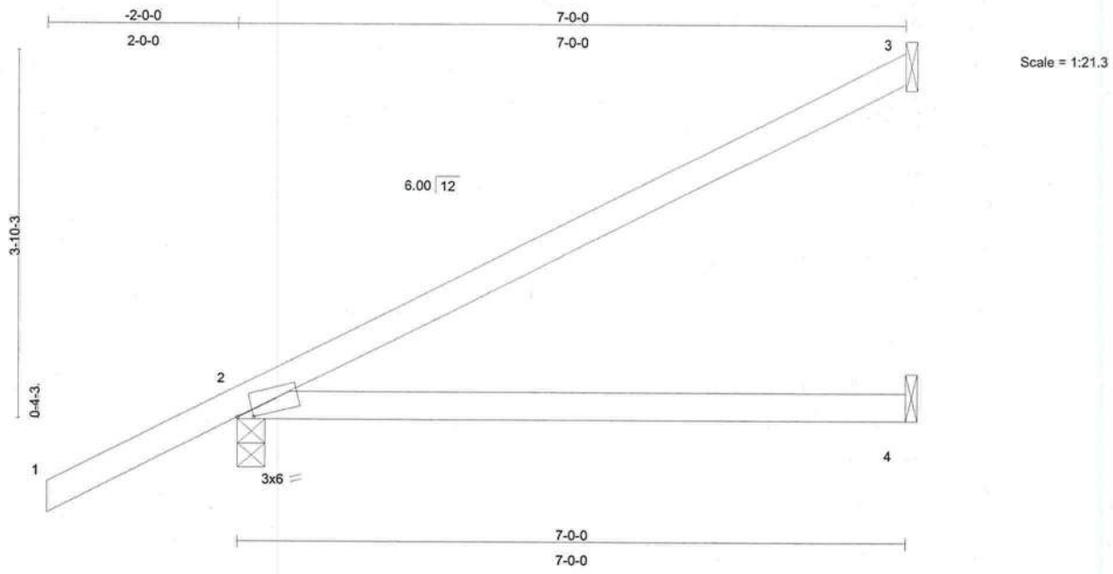


Plate Offsets (X,Y): [2:0-2-0,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.12	2-4	>664	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.21	2-4	>397	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=-134(load case 5), 2=-210(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-142/58
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.85

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 mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 3 and 210 lb uplift at joint 2.

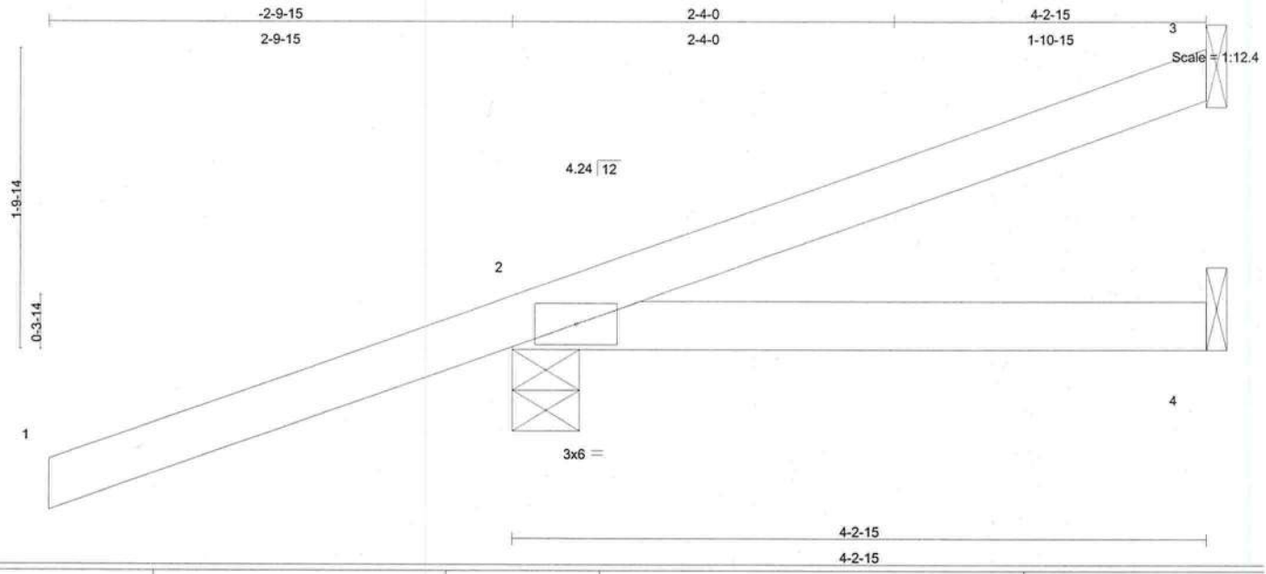
LOAD CASE(S) Standard

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

September 26,2005

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	HJ4	ROOF TRUSS	2	1	J1504687
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:18 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) 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.
3) 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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
					J1504687
L132129	HJ4	ROOF TRUSS	2	1	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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	HJ9	ROOF TRUSS	5	1	J1504688
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:18 2005 Page 1

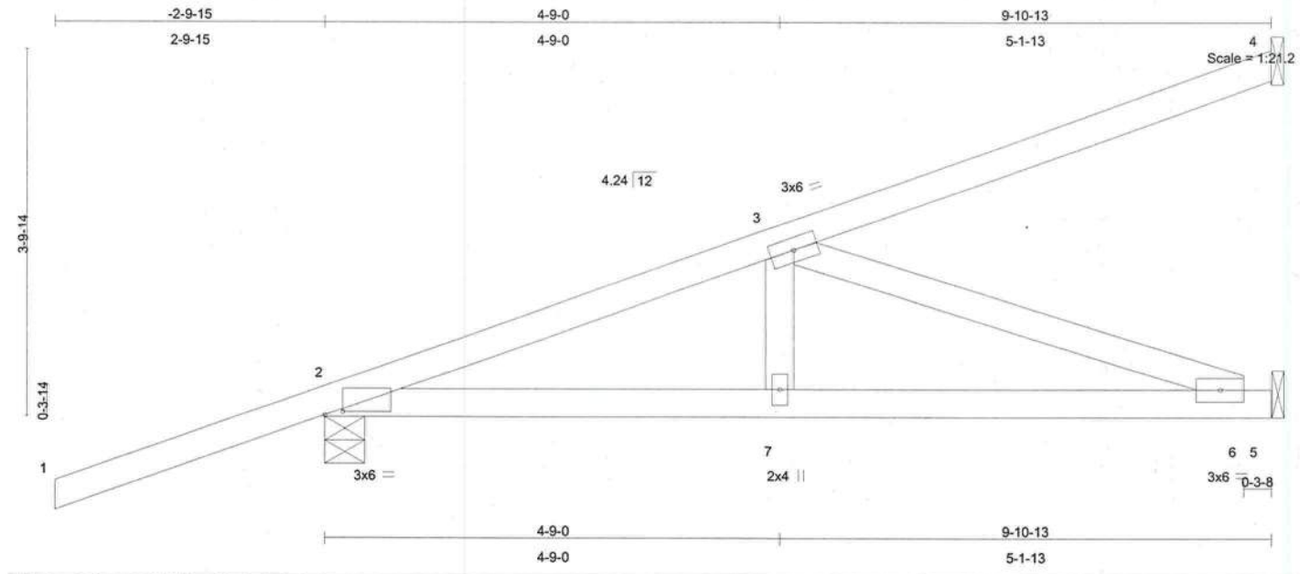


Plate Offsets (X,Y): [2:0-2-4,0-0-7]

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)	-0.08	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.13	6-7	>887	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.40	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 44 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) 4=251/Mechanical, 2=532/0-4-15, 5=396/Mechanical
Max Horz 2=269(load case 2)
Max Uplift 4=-217(load case 2), 2=-278(load case 2), 5=-78(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-827/108, 3-4=-98/61
BOT CHORD 2-7=-289/760, 6-7=-289/760, 5-6=0/0
WEBS 3-7=0/189, 3-6=-805/306

JOINT STRESS INDEX
2 = 0.80, 3 = 0.21, 6 = 0.21 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; Lumber DOL=1.60 plate grip DOL=1.60.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 217 lb uplift at joint 4, 278 lb uplift at joint 2 and 78 lb uplift at joint 5.
3) 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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
					J1504688
L132129	HJ9	ROOF TRUSS	5	1	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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T01	ROOF TRUSS	1	1	J1504689
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:19 2005 Page 1

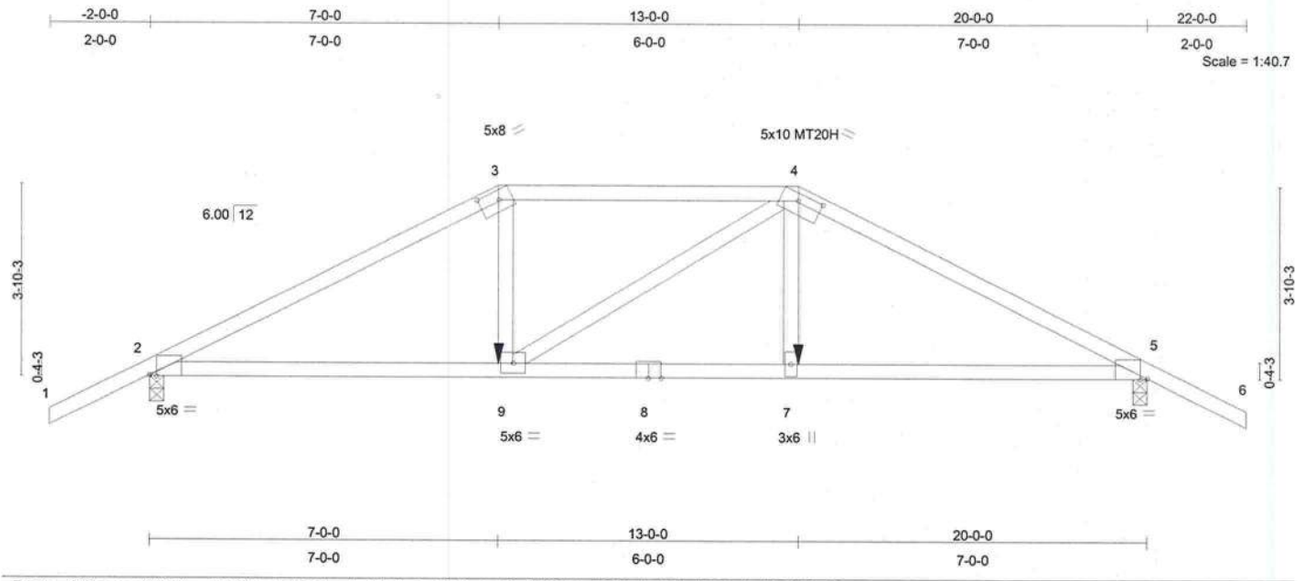


Plate Offsets (X,Y): [2:0-1-11,Edge], [3:0-4-12,0-2-4], [4:0-5-12,0-1-12], [5:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.59	Vert(LL)	-0.17	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.74	Vert(TL)	-0.27	7-9	>871	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.29	Horz(TL)	0.09	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 88 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 3-1-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-1-3 oc bracing.

REACTIONS (lb/size) 2=1774/0-3-8, 5=1774/0-3-8
Max Horz 2=-114(load case 5)
Max Uplift 2=-781(load case 4), 5=-781(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-3150/1245, 3-4=-2769/1162, 4-5=-3149/1245, 5-6=0/47
BOT CHORD 2-9=-1075/2734, 8-9=-1042/2768, 7-8=-1042/2768, 5-7=-1033/2733
WEBS 3-9=-252/901, 4-9=-124/127, 4-7=-219/849

JOINT STRESS INDEX
2 = 0.77, 3 = 0.91, 4 = 0.96, 5 = 0.77, 7 = 0.27, 8 = 0.97 and 9 = 0.31

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) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 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

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T01	ROOF TRUSS	1	1	J1504689
					Job Reference (optional)

NOTES

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 781 lb uplift at joint 2 and 781 lb uplift at joint 5.
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, 3-4=-118(F=-64), 4-6=-54, 2-9=-30, 7-9=-65(F=-35), 5-7=-30
   Concentrated Loads (lb)
   Vert: 9=-539(F) 7=-539(F)

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

September 26,2005

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T02	ROOF TRUSS	1	1	J1504690
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:19 2005 Page 1

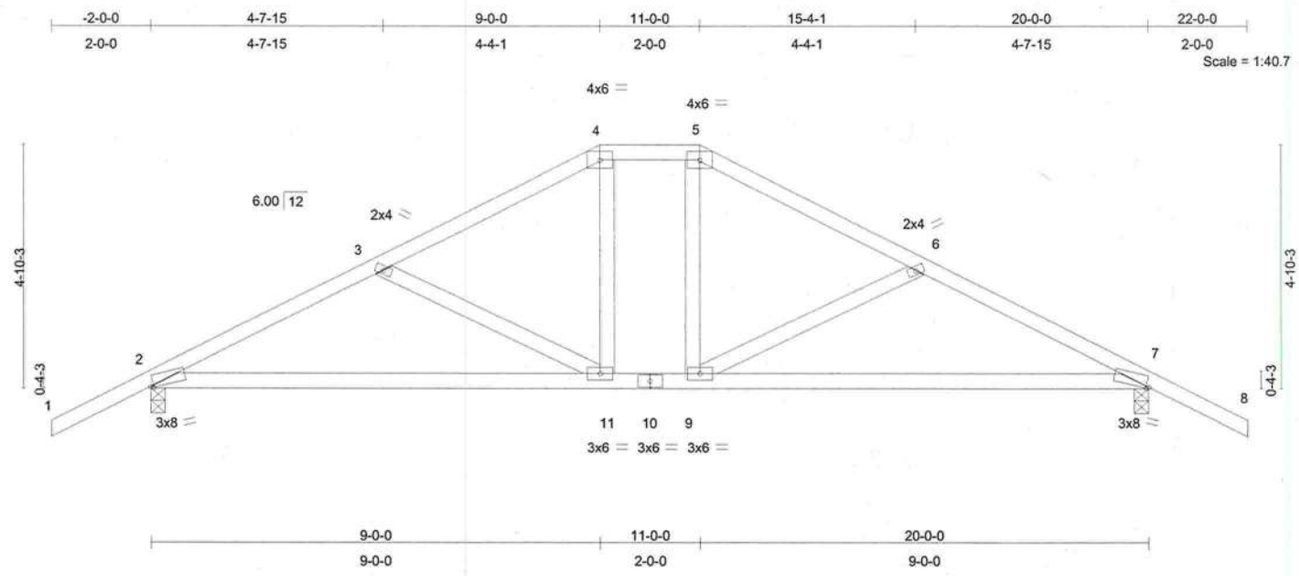


Plate Offsets (X,Y): [2:0-0-10,Edge], [7:0-0-10,Edge]

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)	-0.18	2-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.54	Vert(TL)	-0.29	2-11	>823	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: 97 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-4-12 oc bracing.

REACTIONS (lb/size) 2=944/0-3-8, 7=944/0-3-8
Max Horz 2=-134(load case 6)
Max Uplift 2=-369(load case 5), 7=-369(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1337/679, 3-4=-1068/531, 4-5=-911/535, 5-6=-1068/531, 6-7=-1337/679, 7-8=0/47
BOT CHORD 2-11=-438/1157, 10-11=-192/911, 9-10=-192/911, 7-9=-438/1157
WEBS 3-11=-313/277, 4-11=-83/288, 5-9=-83/288, 6-9=-313/277

JOINT STRESS INDEX
2 = 0.79, 3 = 0.33, 4 = 0.44, 5 = 0.44, 6 = 0.33, 7 = 0.79, 9 = 0.34, 10 = 0.63 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.

Continued on page 2

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

September 26,2005

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
					J1504690
L132129	T02	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 369 lb uplift at joint 2 and 369 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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T03	ROOF TRUSS	5	1	J1504691
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:19 2005 Page 1

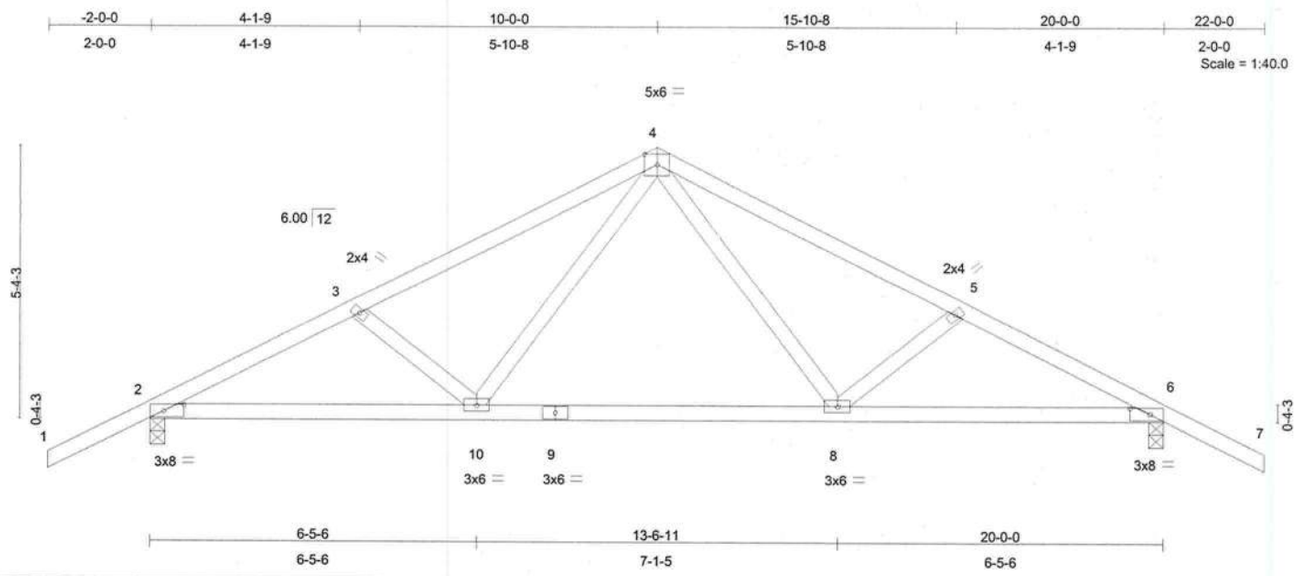


Plate Offsets (X,Y): [2:0-4-12,0-1-8], [6:0-4-12,0-1-8]

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)	-0.28	8-10	>844	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.95	Vert(TL)	-0.45	8-10	>523	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.25	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 97 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 4-3-12 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 7-1-5 oc bracing.

REACTIONS (lb/size) 2=1192/0-3-8, 6=1192/0-3-8
Max Horz 2=-144(load case 6)
Max Uplift 2=-471(load case 5), 6=-471(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/47, 2-3=-2011/1022, 3-4=-1841/950, 4-5=-1841/950, 5-6=-2011/1022, 6-7=0/47
BOT CHORD	2-10=-750/1731, 9-10=-387/1158, 8-9=-387/1158, 6-8=-750/1731
WEBS	3-10=-212/242, 4-10=-308/767, 4-8=-308/767, 5-8=-212/242

JOINT STRESS INDEX

2 = 0.73, 3 = 0.33, 4 = 0.67, 5 = 0.33, 6 = 0.73, 8 = 0.54, 9 = 0.65 and 10 = 0.54

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 mechanical connection (by others) of truss to bearing plate capable of withstanding 471 lb uplift at joint 2 and 471 lb uplift at joint 6.

Continued on page 2

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

September 26,2005

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
					J1504691
L132129	T03	ROOF TRUSS	5	1	Job Reference (optional)

NOTES

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

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-54, 4-7=-54, 2-10=-30, 8-10=-100(F=-70), 6-8=-30

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

September 26,2005

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T04	ROOF TRUSS	1	1	J1504692
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:20 2005 Page 1

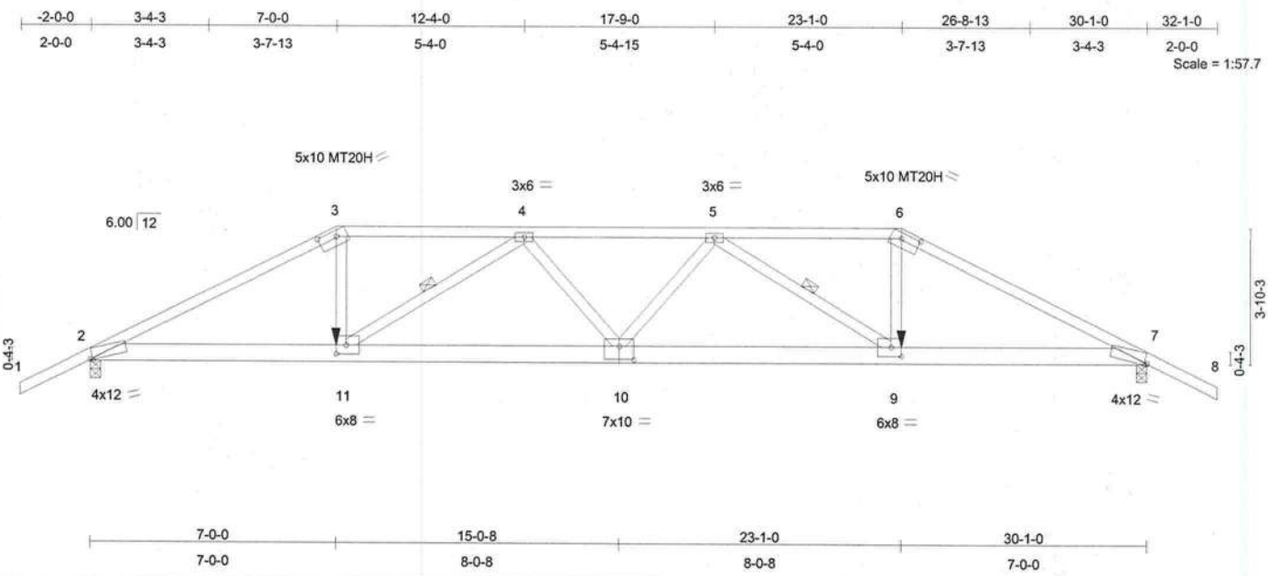


Plate Offsets (X,Y): [2:0-0-13,Edge], [3:0-6-4,0-2-0], [6:0-6-4,0-2-0], [7:0-0-13,Edge], [9:0-3-8,0-3-0], [10:0-5-0,0-4-8], [11:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.83	Vert(LL)	-0.39	10-11	>923	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.77	Vert(TL)	-0.62	10-11	>573	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.59	Horz(TL)	0.15	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 164 lb	

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 1-11-5 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 5-2-6 oc bracing.
WEBS	1 Row at midpt 4-11, 5-9

REACTIONS (lb/size) 2=2696/0-3-8, 7=2696/0-3-8
Max Horz 2=-116(load case 5)
Max Uplift 2=-1105(load case 4), 7=-1105(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/51, 2-3=-5231/2174, 3-4=-4675/2011, 4-5=-6252/2643, 5-6=-4675/2011, 6-7=-5231/2174, 7-8=0/51
BOT CHORD	2-11=-1902/4598, 10-11=-2612/6035, 9-10=-2590/6035, 7-9=-1862/4598
WEBS	3-11=-679/1853, 4-11=-1730/902, 4-10=0/385, 5-10=0/385, 5-9=-1730/902, 6-9=-679/1853

JOINT STRESS INDEX

2 = 0.76, 3 = 0.89, 4 = 0.49, 5 = 0.49, 6 = 0.89, 7 = 0.76, 9 = 0.49, 10 = 0.96 and 11 = 0.49

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

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T04	ROOF TRUSS	1	1	J1504692
					Job Reference (optional)

NOTES

4) All plates are MT20 plates unless otherwise indicated.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1105 lb uplift at joint 2 and 1105 lb uplift at joint 7.
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, 3-6=-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
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T05	ROOF TRUSS	1	1	J1504693
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:20 2005 Page 1

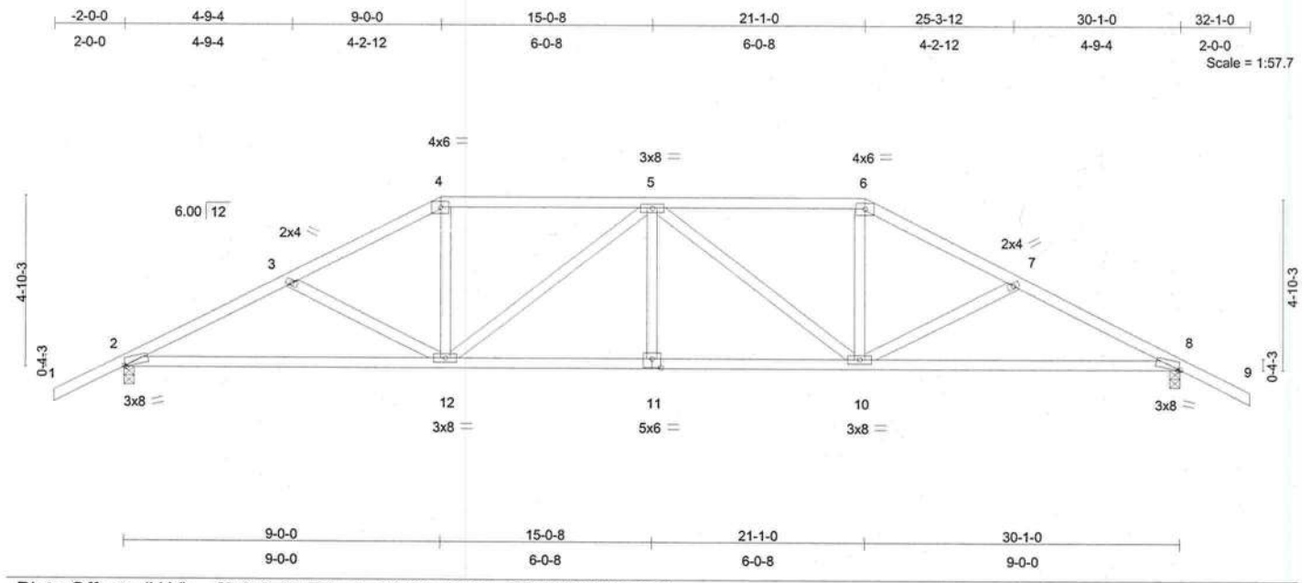


Plate Offsets (X,Y): [2:0-0-10,Edge], [8:0-0-10,Edge], [11:0-3-0,0-3-0]

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)	-0.20	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.34	2-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.10	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 3-11-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-3-4 oc bracing.

REACTIONS (lb/size) 2=1367/0-3-8, 8=1367/0-3-8
Max Horz 2=134(load case 5)
Max Uplift 2=-444(load case 5), 8=-444(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2230/1025, 3-4=-1998/898, 4-5=-1762/870, 5-6=-1762/870, 6-7=-1998/898, 7-8=-2230/1025, 8-9=0/47
BOT CHORD 2-12=-741/1943, 11-12=-662/2062, 10-11=-662/2062, 8-10=-741/1943
WEBS 3-12=-229/247, 4-12=-160/586, 5-12=-470/222, 5-11=0/129, 5-10=-470/222, 6-10=-160/586, 7-10=-229/247

JOINT STRESS INDEX
2 = 0.81, 3 = 0.33, 4 = 0.68, 5 = 0.56, 6 = 0.68, 7 = 0.33, 8 = 0.81, 10 = 0.56, 11 = 0.48 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.

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

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
					J1504693
L132129	T05	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 444 lb uplift at joint 2 and 444 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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T06	ROOF TRUSS	1	1	J1504694
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:21 2005 Page 1

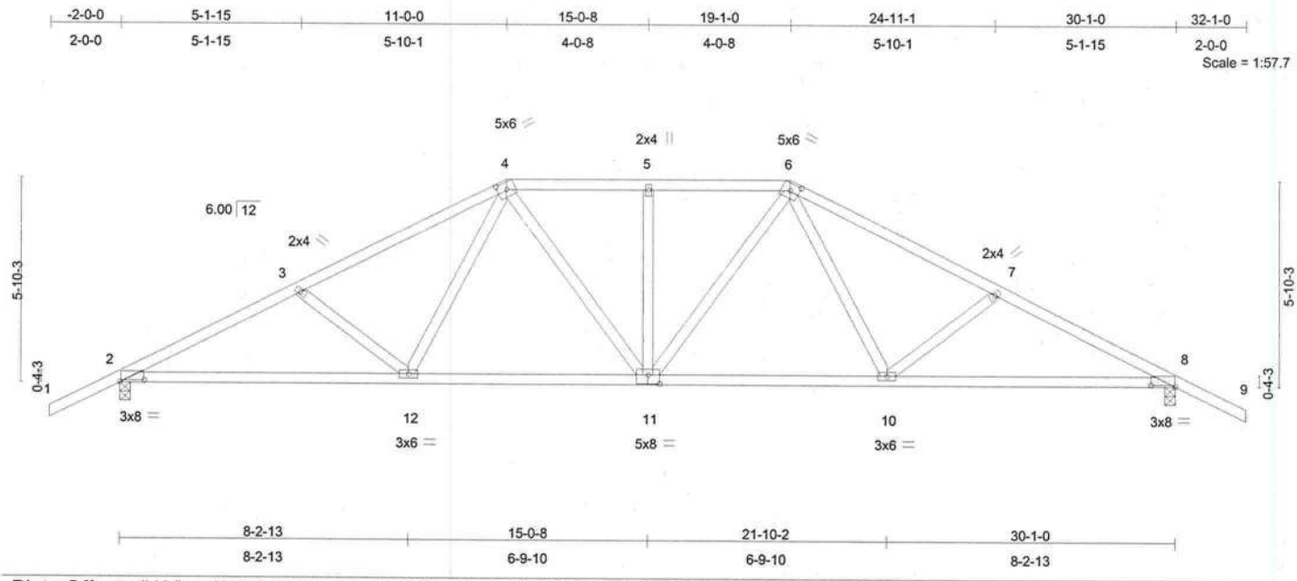


Plate Offsets (X,Y): [2:0-8-4,0-0-10], [4:0-3-0,0-2-7], [6:0-3-0,0-2-7], [8:0-8-4,0-0-10], [11:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.15	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.25	2-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.09	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 157 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 4-0-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-0-6 oc bracing.

REACTIONS (lb/size) 2=1367/0-3-8, 8=1367/0-3-8
Max Horz 2=-154(load case 6)
Max Uplift 2=-467(load case 5), 8=-467(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2255/1081, 3-4=-2033/973, 4-5=-1678/895, 5-6=-1678/895, 6-7=-2033/973, 7-8=-2255/1081, 8-9=0/47
BOT CHORD 2-12=-794/1966, 11-12=-478/1551, 10-11=-478/1551, 8-10=-794/1966
WEBS 3-12=-278/316, 4-12=-154/455, 4-11=-118/339, 5-11=-190/142, 6-11=-118/339, 6-10=-154/455, 7-10=-278/316

JOINT STRESS INDEX
2 = 0.78, 3 = 0.33, 4 = 0.56, 5 = 0.33, 6 = 0.56, 7 = 0.33, 8 = 0.78, 10 = 0.44, 11 = 0.37 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) 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

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T06	ROOF TRUSS	1	1	J1504694 Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 467 lb uplift at joint 2 and 467 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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T07	ROOF TRUSS	1	1	J1504695
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:21 2005 Page 1

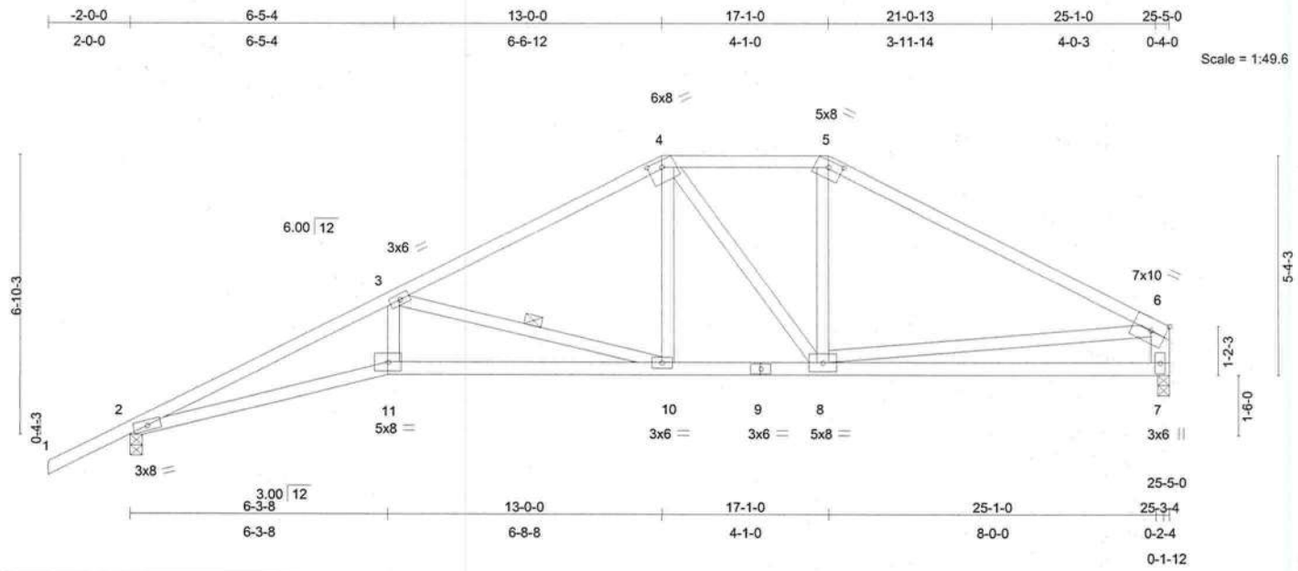


Plate Offsets (X,Y): [4:0-4-0,0-1-15], [5:0-4-0,0-1-15], [6:0-4-6,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	-0.27	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	-0.44	10-11	>686	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.42	Horz(TL)	0.18	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 132 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
6-7 2 X 6 SYP No.1D

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

REACTIONS (lb/size) 2=1173/0-3-8, 7=1047/0-3-8
Max Horz 2=257(load case 5)
Max Uplift 2=-444(load case 5), 7=-270(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-3411/1651, 3-4=-1560/800, 4-5=-1200/735, 5-6=-1439/714, 6-7=-910/547
BOT CHORD 2-11=-1551/3071, 10-11=-1477/2879, 9-10=-566/1340, 8-9=-566/1340, 7-8=-371/558
WEBS 3-11=-317/936, 3-10=-1608/949, 4-10=-226/570, 4-8=-347/157, 5-8=-67/363, 6-8=-177/679

JOINT STRESS INDEX
2 = 0.78, 3 = 0.67, 4 = 0.57, 5 = 0.73, 6 = 0.78, 7 = 0.70, 8 = 0.30, 9 = 0.52, 10 = 0.43 and 11 = 0.90

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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T07	ROOF TRUSS	1	1	J1504695
					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) 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 444 lb uplift at joint 2 and 270 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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T08	ROOF TRUSS	4	1	J1504696
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:22 2005 Page 1

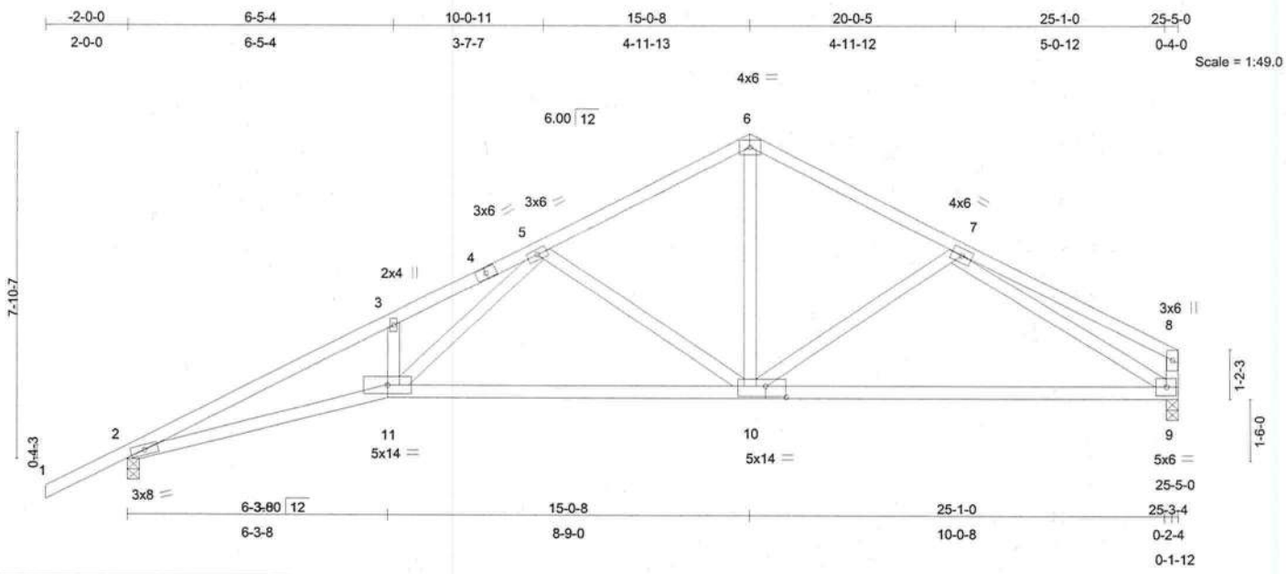


Plate Offsets (X,Y): [10:0-6-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.86	Vert(LL)	-0.29	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.48	10-11	>629	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.66	Horz(TL)	0.17	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 129 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 3-0-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-0-1 oc bracing.

REACTIONS (lb/size) 2=1176/0-3-8, 9=1050/0-3-8
Max Horz 2=276(load case 5)
Max Uplift 2=-458(load case 5), 9=-292(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-3397/1679, 3-4=-3338/1828, 4-5=-3262/1839, 5-6=-1299/748, 6-7=-1300/751, 7-8=-537/205, 8-9=-359/215
BOT CHORD 2-11=-1566/3052, 10-11=-910/1768, 9-10=-632/1206
WEBS 3-11=-191/279, 5-10=-796/567, 6-10=-393/815, 7-10=-180/230, 7-9=-951/645, 5-11=-874/1643

JOINT STRESS INDEX
2 = 0.78, 3 = 0.33, 4 = 0.60, 5 = 0.75, 6 = 0.63, 7 = 0.30, 8 = 0.48, 9 = 0.58, 10 = 0.66 and 11 = 0.96

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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
					J1504696
L132129	T08	ROOF TRUSS	4	1	Job Reference (optional)

NOTES

3) 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.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 458 lb uplift at joint 2 and 292 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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T09	ROOF TRUSS	1	1	J1504697
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:22 2005 Page 1

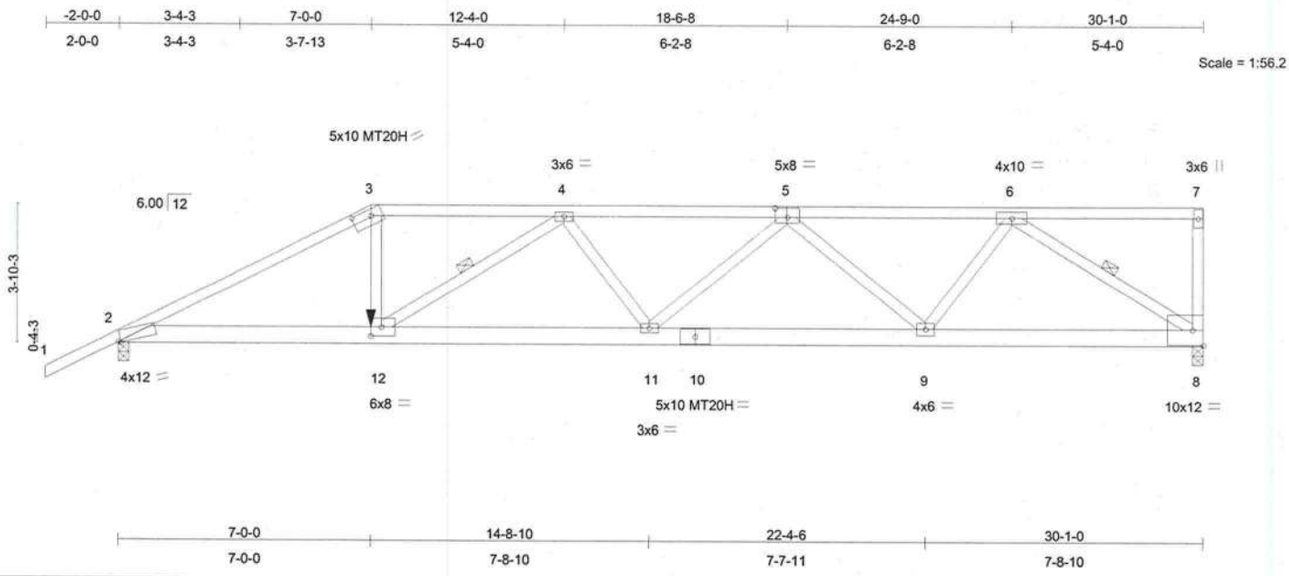


Plate Offsets (X,Y): [2:0-0-13,Edge], [3:0-6-4,0-2-0], [5:0-4-0,0-3-0], [12:0-3-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.76	Vert(LL)	-0.35	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-0.56	11-12	>636	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.93	Horz(TL)	0.13	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 173 lb	

LUMBER
TOP CHORD 2 X 4 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 2-2-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-1-6 oc bracing.
WEBS 1 Row at midpt 4-12, 6-8

REACTIONS (lb/size) 8=2767/0-3-8, 2=2653/0-3-8
Max Horz 2=228(load case 4)
Max Uplift 8=-1246(load case 3), 2=-1076(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-5132/2172, 3-4=-4585/2008, 4-5=-6041/2635, 5-6=-4539/1955, 6-7=-115/48, 7-8=-284/219
BOT CHORD 2-12=-1981/4509, 11-12=-2705/5900, 10-11=-2628/5704, 9-10=-2628/5704, 8-9=-1621/3466
WEBS 3-12=-674/1783, 4-12=-1583/892, 4-11=0/249, 5-11=-37/455, 5-9=-1574/910, 6-9=-588/1895, 6-8=-4031/1893

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 = 0.75, 3 = 0.86, 4 = 0.45, 5 = 0.76, 6 = 0.90, 7 = 0.57, 8 = 0.67, 9 = 0.90, 10 = 0.69, 11 = 0.39 and 12 = 0.48

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; Lumber DOL=1.60 plate grip DOL=1.60.
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.

Continued on page 2

September 26,2005

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T09	ROOF TRUSS	1	1	J1504697 Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1246 lb uplift at joint 8 and 1076 lb uplift at joint 2.
5) Girder carries hip end with 0-0-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-7=-118(F=-64), 2-12=-30, 8-12=-65(F=-35)
   Concentrated Loads (lb)
   Vert: 12=-539(F)

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

September 26,2005

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T10	ROOF TRUSS	1	1	J1504698
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:22 2005 Page 1

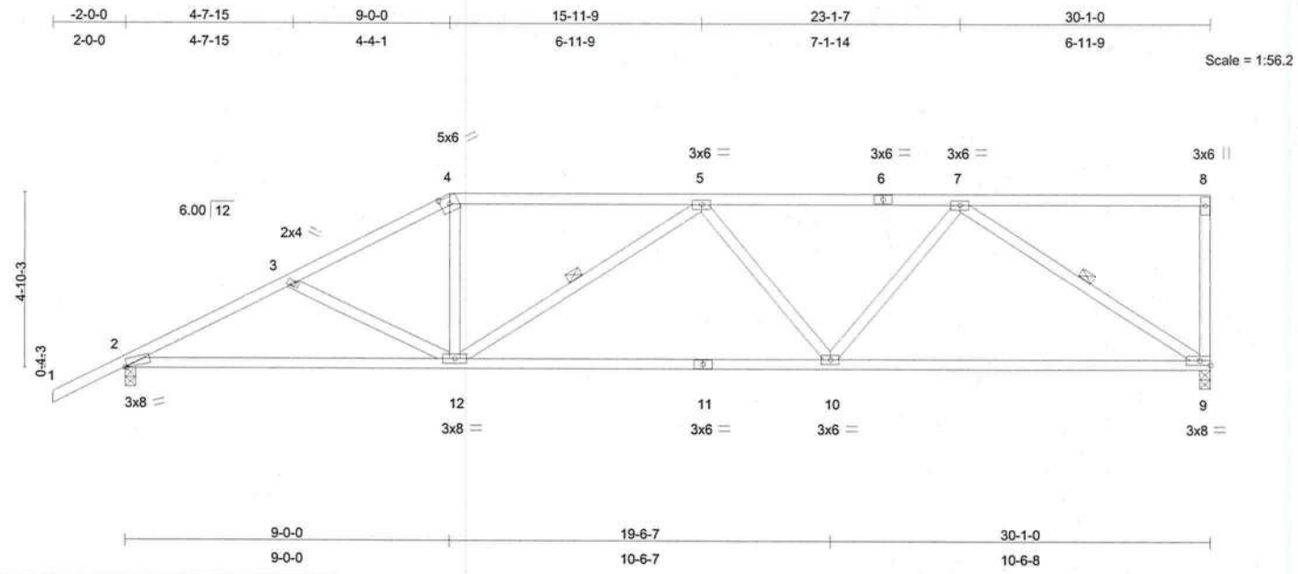


Plate Offsets (X,Y): [2:0-0-10,Edge], [4:0-3-0,0-2-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.78	Vert(LL)	-0.26	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.44	10-12	>816	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.09	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 155 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 4-0-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-2-2 oc bracing.
WEBS 1 Row at midpt 5-12, 7-9

REACTIONS (lb/size) 9=1247/0-3-8, 2=1371/0-3-8
Max Horz 2=272(load case 5)
Max Uplift 9=-457(load case 4), 2=-436(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2250/964, 3-4=-2030/836, 4-5=-1793/817, 5-6=-1885/757, 6-7=-1885/757, 7-8=-82/13, 8-9=-176/118
BOT CHORD 2-12=-1031/1958, 11-12=-918/2054, 10-11=-918/2054, 9-10=-649/1462
WEBS 3-12=-204/242, 4-12=-109/565, 5-12=-313/252, 5-10=-273/261, 7-10=-175/685, 7-9=-1659/765

JOINT STRESS INDEX
2 = 0.75, 3 = 0.33, 4 = 0.58, 5 = 0.38, 6 = 0.32, 7 = 0.51, 8 = 0.47, 9 = 0.66, 10 = 0.46, 11 = 0.86 and 12 = 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.

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

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T10	ROOF TRUSS	1	1	J1504698 Job Reference (optional)

NOTES

3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 457 lb uplift at joint 9 and 436 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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T11	ROOF TRUSS	1	1	J1504699
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:23 2005 Page 1

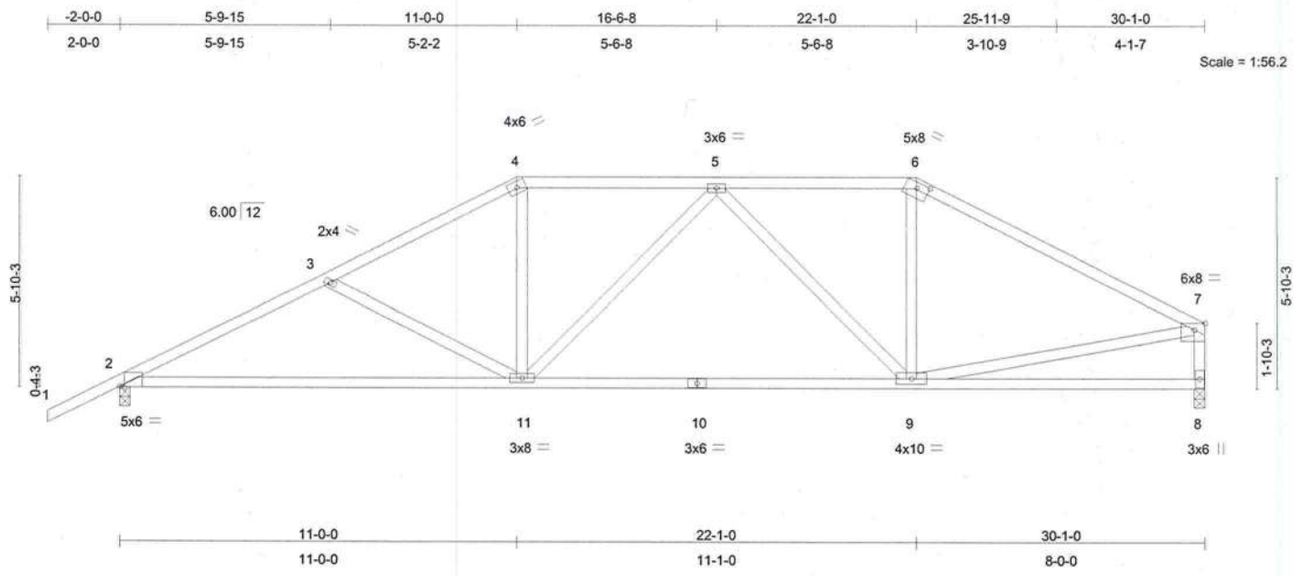


Plate Offsets (X,Y): [2:0-1-11,Edge], [6:0-4-0,0-1-15], [7:0-3-8,Edge]

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)	-0.31	2-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.53	2-11	>681	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.49	Horz(TL)	0.07	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 157 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 3-9-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-6-8 oc bracing.

REACTIONS (lb/size) 2=1371/0-3-8, 8=1247/0-3-8
Max Horz 2=215(load case 5)
Max Uplift 2=-467(load case 5), 8=-302(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2191/1050, 3-4=-1876/871, 4-5=-1631/852, 5-6=-1389/766, 6-7=-1643/747, 7-8=-1136/597
BOT CHORD 2-11=-925/1910, 10-11=-656/1641, 9-10=-656/1641, 8-9=-203/263
WEBS 3-11=-336/346, 4-11=-124/516, 5-11=-137/164, 5-9=-461/226, 6-9=-43/399, 7-9=-340/1140

JOINT STRESS INDEX
2 = 0.68, 3 = 0.33, 4 = 0.64, 5 = 0.36, 6 = 0.75, 7 = 0.76, 8 = 0.49, 9 = 0.49, 10 = 0.85 and 11 = 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.

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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
					J1504699
L132129	T11	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 467 lb uplift at joint 2 and 302 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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T12	ROOF TRUSS	1	1	J1504700
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:23 2005 Page 1

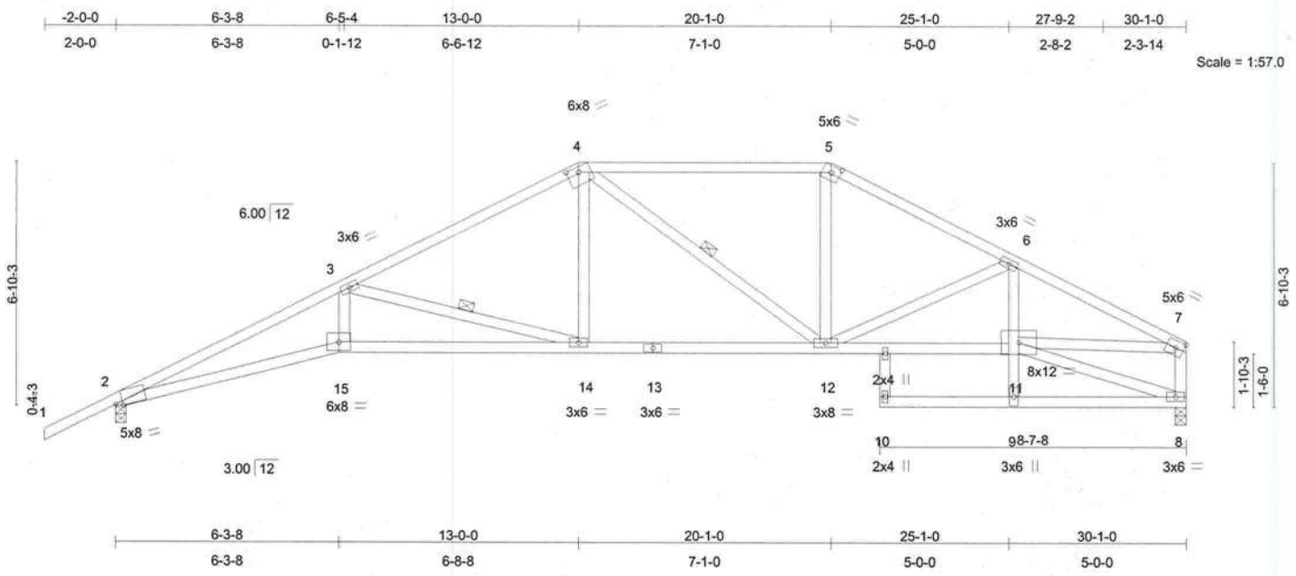


Plate Offsets (X,Y): [2:0-2-7,Edge], [4:0-4-0,0-1-15], [5:0-3-0,0-2-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	-0.42	10	>845	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-0.70	10	>511	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.71	Horz(TL)	0.34	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 172 lb	

LUMBER

TOP CHORD	2 X 4 SYP No.2
BOT CHORD	2 X 4 SYP No.2 *Except* 6-9 2 X 4 SYP No.3
WEBS	2 X 4 SYP No.3 *Except* 7-8 2 X 4 SYP No.1D
OTHERS	2 X 4 SYP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-7-10 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 4-8-6 oc bracing.
WEBS	1 Row at midpt 3-14, 4-12
JOINTS	1 Brace at Jt(s): 11

REACTIONS (lb/size) 2=1396/0-3-8, 8=1335/0-3-8
Max Horz 2=234(load case 5)
Max Uplift 2=-482(load case 5), 8=-308(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/46, 2-3=-4292/1939, 3-4=-2218/1033, 4-5=-1788/915, 5-6=-2034/942, 6-7=-2662/1086, 7-8=-1327/605
BOT CHORD	2-15=-1761/3867, 14-15=-1676/3642, 13-14=-728/1939, 12-13=-728/1939, 11-12=-909/2349, 9-11=0/195, 6-11=0/317, 9-10=0/0, 8-9=-60/0
WEBS	3-15=-370/1116, 3-14=-1781/986, 4-14=-218/677, 4-12=-309/172, 5-12=-160/541, 6-12=-635/316, 8-11=-35/171, 7-11=-820/2209

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 = 0.81, 3 = 0.80, 4 = 0.82, 5 = 0.68, 6 = 0.39, 7 = 0.75, 8 = 0.55, 9 = 0.41, 10 = 0.33, 11 = 0.61, 12 = 0.56, 13 = 0.65, 14 = 0.48, 15 = 0.93 and 16 = 0.33

September 26,2005

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
					J1504700
L132129	T12	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) 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 482 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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T13	ROOF TRUSS	1	1	J1504701
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:24 2005 Page 1

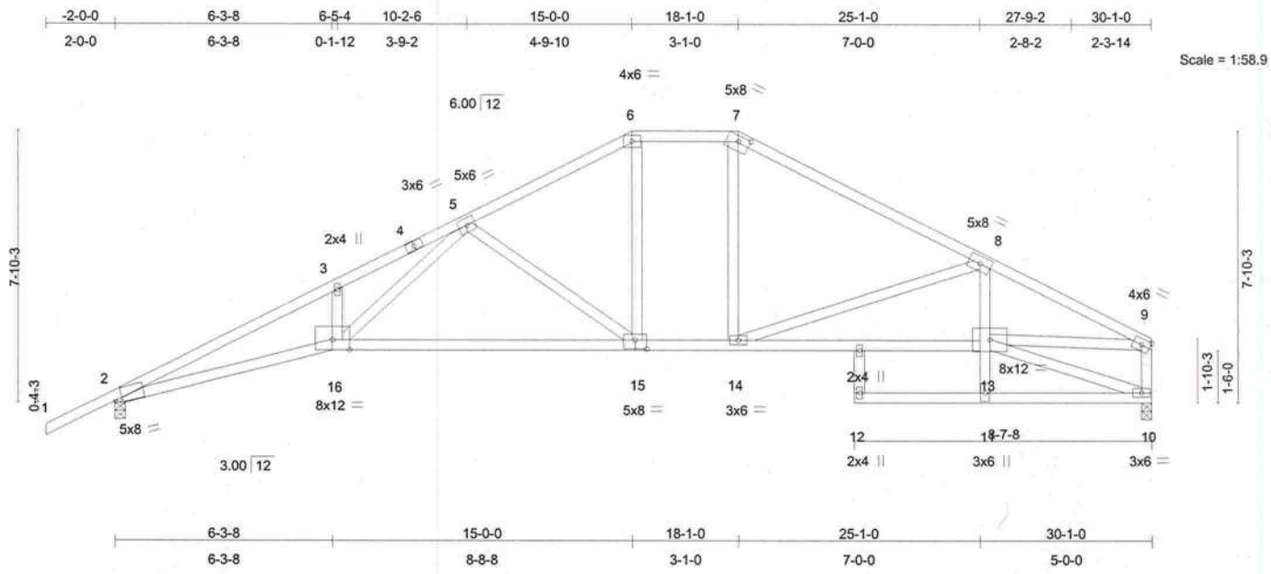


Plate Offsets (X,Y): [2:0-2-7,Edge], [7:0-4-0,0-1-15], [15:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	-0.56	15-16	>637	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.89	Vert(TL)	-0.88	15-16	>408	180		
BCLL	10.0	Rep Stress Incr	YES	WB	1.00	Horz(TL)	0.33	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 173 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
OTHERS	2 X 4 SYP No.3

BRACING

TOP CHORD	Structural wood sheathing directly applied or 2-3-5 oc purlins, except end verticals.
BOT CHORD	Rigid ceiling directly applied or 4-8-1 oc bracing. Except: 1 Row at midpt 13-14
JOINTS	1 Brace at Jt(s): 13

REACTIONS (lb/size) 2=1396/0-3-8, 10=1335/0-3-8
Max Horz 2=254(load case 5)
Max Uplift 2=-498(load case 5), 10=-329(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/46, 2-3=-4310/1971, 3-4=-4232/2117, 4-5=-4150/2130, 5-6=-1861/966, 6-7=-1610/924, 7-8=-1871/930, 8-9=-2681/1137, 9-10=-1326/616
BOT CHORD	2-16=-1782/3885, 15-16=-1052/2325, 14-15=-578/1610, 13-14=-1005/2426, 11-13=0/196, 8-13=0/376, 11-12=0/0, 10-11=-79/0
WEBS	3-16=-150/273, 5-16=-952/1953, 5-15=-908/597, 6-15=-315/701, 7-14=-123/433, 8-14=-962/453, 10-13=0/182, 9-13=-888/2244

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 = 0.81, 3 = 0.33, 4 = 0.67, 5 = 0.74, 6 = 0.46, 7 = 0.82, 8 = 0.64, 9 = 0.76, 10 = 0.54, 11 = 0.43, 12 = 0.33, 13 = 0.82, 14 = 0.34, 15 = 0.66, 16 = 0.96 and 17 = 0.33

NOTES

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

September 26,2005

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
					J1504701
L132129	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) 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 498 lb uplift at joint 2 and 329 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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T14	ROOF TRUSS	2	1	J1504702
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:24 2005 Page 1

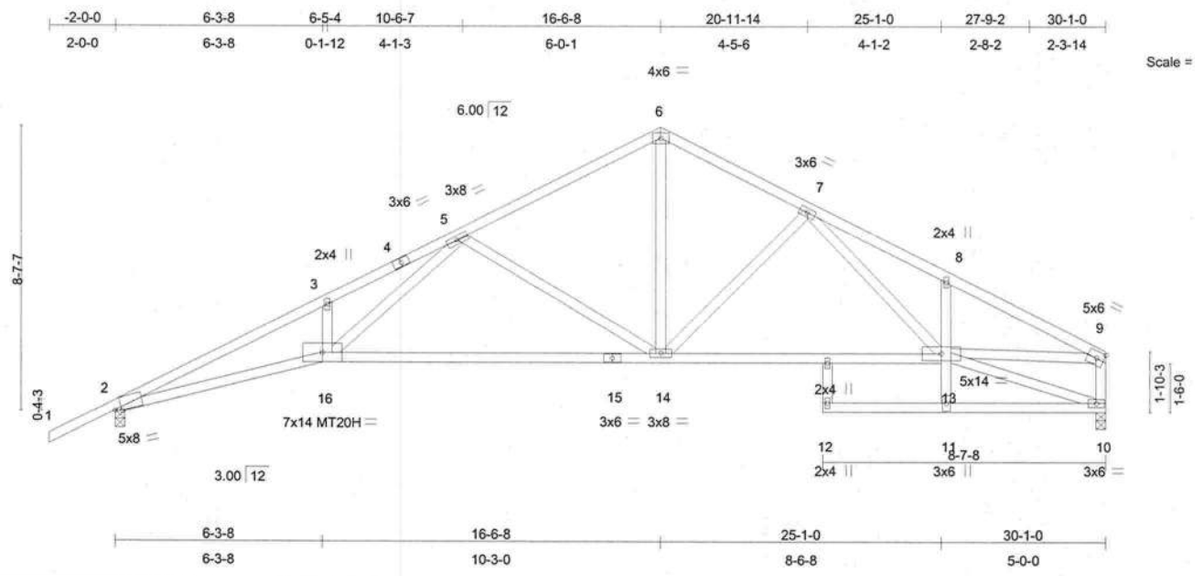


Plate Offsets (X,Y): [2:0-2-7,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	-0.52	14-16	>687	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.92	Vert(TL)	-0.86	14-16	>415	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.32	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 175 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
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-3-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 2=1396/0-3-8, 10=1335/0-3-8
Max Horz 2=269(load case 5)
Max Uplift 2=-509(load case 5), 10=-343(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4324/2024, 3-4=-4246/2166, 4-5=-4160/2179, 5-6=-1717/924, 6-7=-1689/940, 7-8=-2645/1286, 8-9=-2617/1144, 9-10=-1337/646
BOT CHORD 2-16=-1830/3898, 15-16=-1085/2288, 14-15=-1085/2288, 13-14=-754/1807, 11-13=0/195, 8-13=-241/290, 11-12=0/0, 10-11=-102/0
WEBS 3-16=-161/266, 5-16=-961/1999, 5-14=-957/664, 6-14=-537/1161, 7-14=-515/340, 7-13=-278/760, 10-13=-29/219, 9-13=-871/2170

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 = 0.81, 3 = 0.33, 4 = 0.70, 5 = 0.75, 6 = 0.75, 7 = 0.48, 8 = 0.33, 9 = 0.74, 10 = 0.56, 11 = 0.45, 12 = 0.33, 13 = 0.66, 14 = 0.57, 15 = 0.87, 16 = 0.64 and 17 = 0.33

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

September 26,2005

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
					J1504702
L132129	T14	ROOF TRUSS	2	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) All plates are MT20 plates unless otherwise indicated.
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 509 lb uplift at joint 2 and 343 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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T15	ROOF TRUSS	4	1	J1504703
					Job Reference (optional)

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

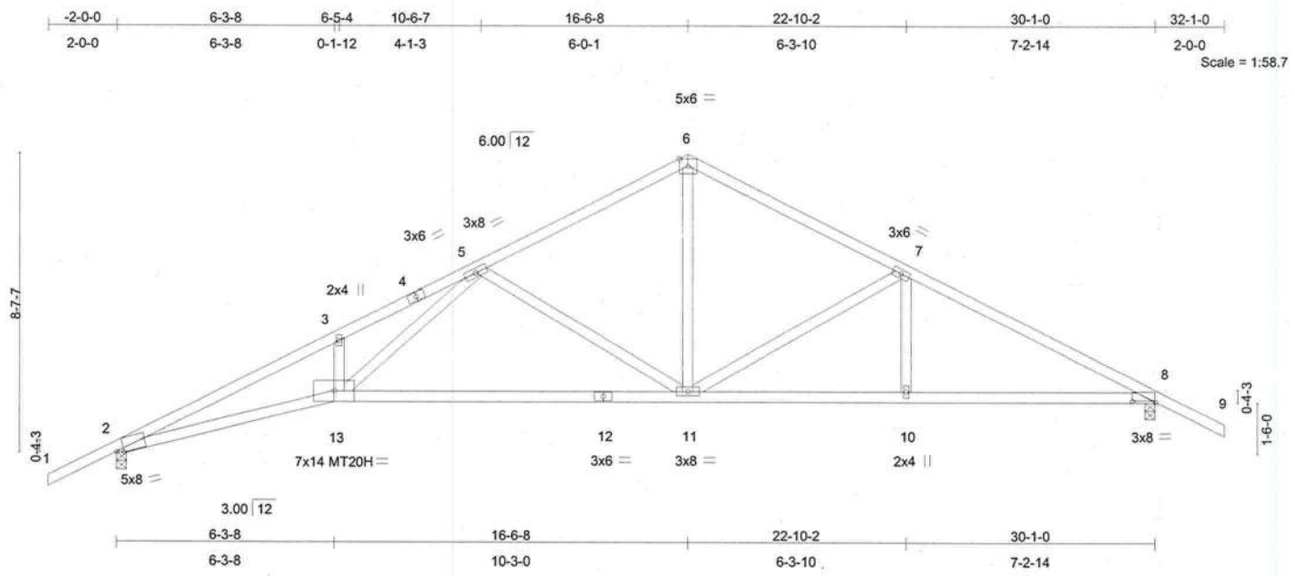


Plate Offsets (X,Y): [2:0-2-7,Edge], [8:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.68	Vert(LL)	-0.53	11-13	>672	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.93	Vert(TL)	-0.88	11-13	>405	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.85	Horz(TL)	0.25	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 147 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 2-4-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 2=1367/0-3-8, 8=1367/0-3-8
Max Horz 2=248(load case 5)
Max Uplift 2=-514(load case 5), 8=-483(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4217/1950, 3-4=-4141/2096, 4-5=-4055/2109, 5-6=-1632/912, 6-7=-1640/917, 7-8=-2217/1102, 8-9=0/47
BOT CHORD 2-13=-1675/3801, 12-13=-970/2204, 11-12=-970/2204, 10-11=-781/1898, 8-10=-781/1898
WEBS 3-13=-161/273, 5-13=-915/1985, 5-11=-945/638, 6-11=-490/1058, 7-11=-607/412, 7-10=0/191

JOINT STRESS INDEX
2 = 0.79, 3 = 0.33, 4 = 0.67, 5 = 0.75, 6 = 0.61, 7 = 0.39, 8 = 0.68, 10 = 0.33, 11 = 0.56, 12 = 0.86 and 13 = 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

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T15	ROOF TRUSS	4	1	J1504703 Job Reference (optional)

NOTES

3) All plates are MT20 plates unless otherwise indicated.
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 514 lb uplift at joint 2 and 483 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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T16	ROOF TRUSS	1	1	J1504704
					Job Reference (optional)

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

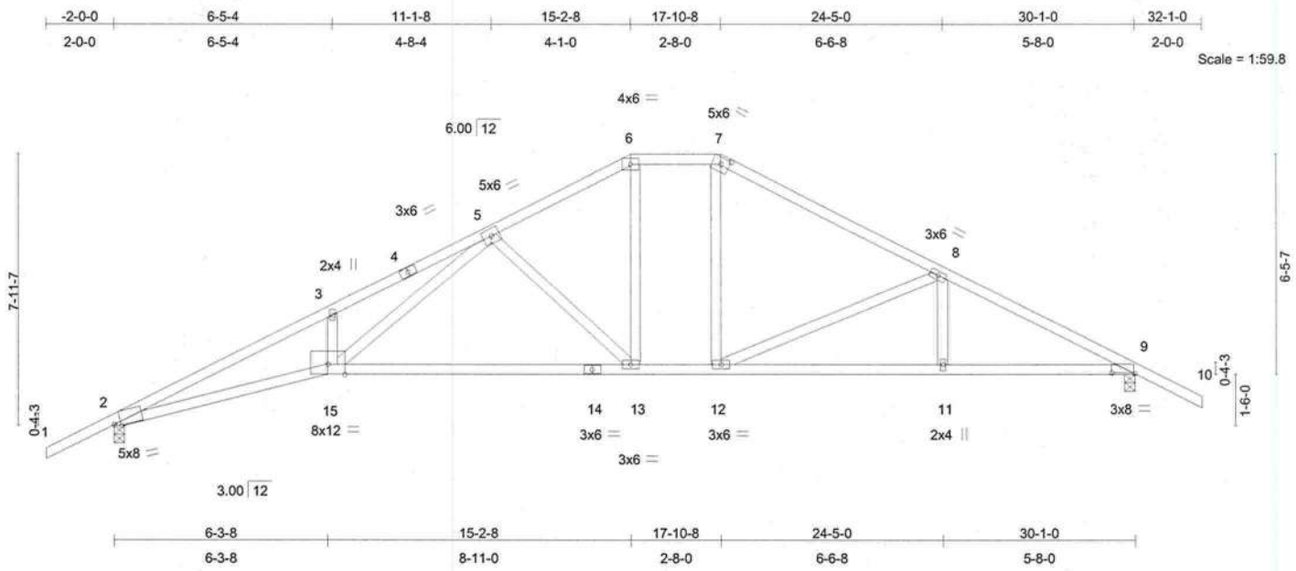


Plate Offsets (X,Y): [2:0-2-6,Edge], [7:0-3-0,0-2-7], [9:0-8-4,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.67	Vert(LL)	-0.55	13-15	>646	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-0.88	13-15	>405	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.68	Horz(TL)	0.26	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 153 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-4-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-10-4 oc bracing.

REACTIONS (lb/size) 2=1367/0-3-8, 9=1367/0-3-8
Max Horz 2=234(load case 5)
Max Uplift 2=-505(load case 5), 9=-471(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4197/1908, 3-4=-4138/2077, 4-5=-4036/2093, 5-6=-1735/951, 6-7=-1504/902, 7-8=-1745/912, 8-9=-2305/1104, 9-10=0/47
BOT CHORD 2-15=-1639/3783, 14-15=-847/2073, 13-14=-847/2073, 12-13=-466/1504, 11-12=-810/1988, 9-11=-810/1988
WEBS 3-15=-188/316, 5-15=-1007/2079, 5-13=-822/542, 6-13=-344/728, 7-12=-133/373, 8-12=-601/378, 8-11=0/203

JOINT STRESS INDEX
2 = 0.79, 3 = 0.33, 4 = 0.77, 5 = 0.81, 6 = 0.55, 7 = 0.74, 8 = 0.39, 9 = 0.76, 11 = 0.33, 12 = 0.34, 13 = 0.46, 14 = 0.77 and 15 = 0.95

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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T16	ROOF TRUSS	1	1	J1504704
					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) 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 505 lb uplift at joint 2 and 471 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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T17	ROOF TRUSS	1	1	J1504705
					Job Reference (optional)

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

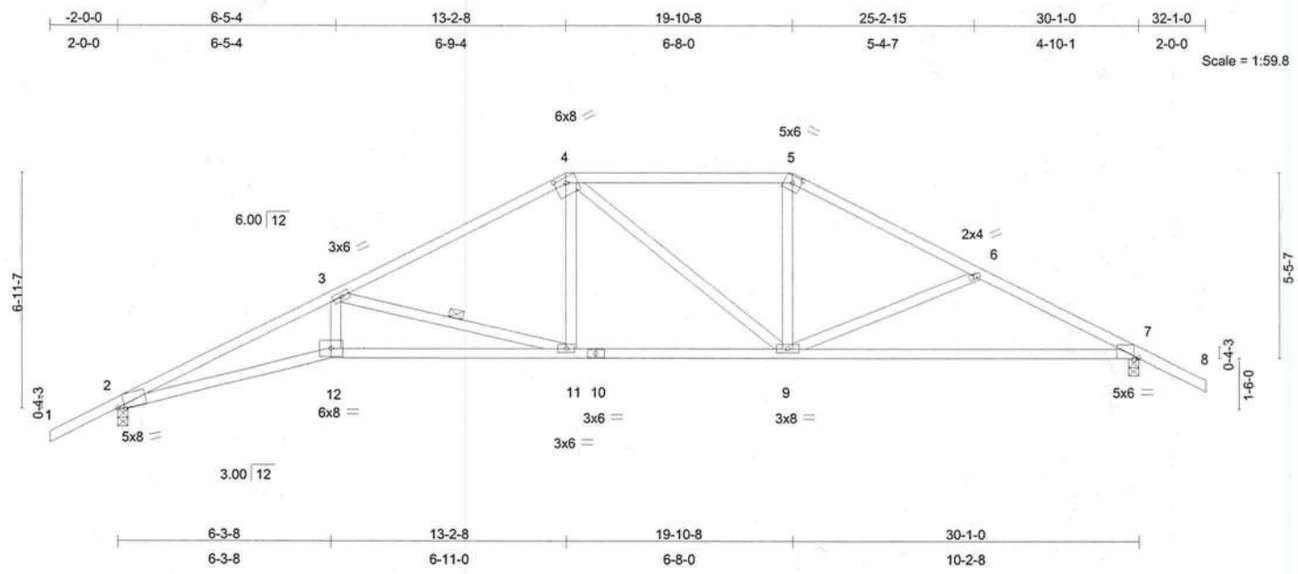


Plate Offsets (X,Y): [2:0-2-6,Edge], [4:0-4-0,0-1-15], [5:0-3-0,0-2-7], [7:0-1-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	-0.37	11-12	>954	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.61	11-12	>590	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.49	Horz(TL)	0.26	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 148 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 2-8-7 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 4-10-13 oc bracing.
WEBS	1 Row at midpt 3-11

REACTIONS (lb/size) 2=1367/0-3-8, 7=1367/0-3-8
Max Horz 2=214(load case 5)
Max Uplift 2=-488(load case 5), 7=-451(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/46, 2-3=-4186/1876, 3-4=-2095/1004, 4-5=-1672/892, 5-6=-1919/909, 6-7=-2219/1099, 7-8=0/47
BOT CHORD	2-12=-1617/3776, 11-12=-1540/3550, 10-11=-613/1824, 9-10=-613/1824, 7-9=-809/1943
WEBS	3-12=-332/1106, 3-11=-1799/963, 4-11=-216/637, 4-9=-312/170, 5-9=-138/504, 6-9=-308/324

JOINT STRESS INDEX
2 = 0.79, 3 = 0.80, 4 = 0.82, 5 = 0.61, 6 = 0.33, 7 = 0.73, 9 = 0.56, 10 = 0.70, 11 = 0.49 and 12 = 0.93

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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
					J1504705
L132129	T17	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) 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 488 lb uplift at joint 2 and 451 lb uplift at joint 7.

LOAD CASE(S) Standard

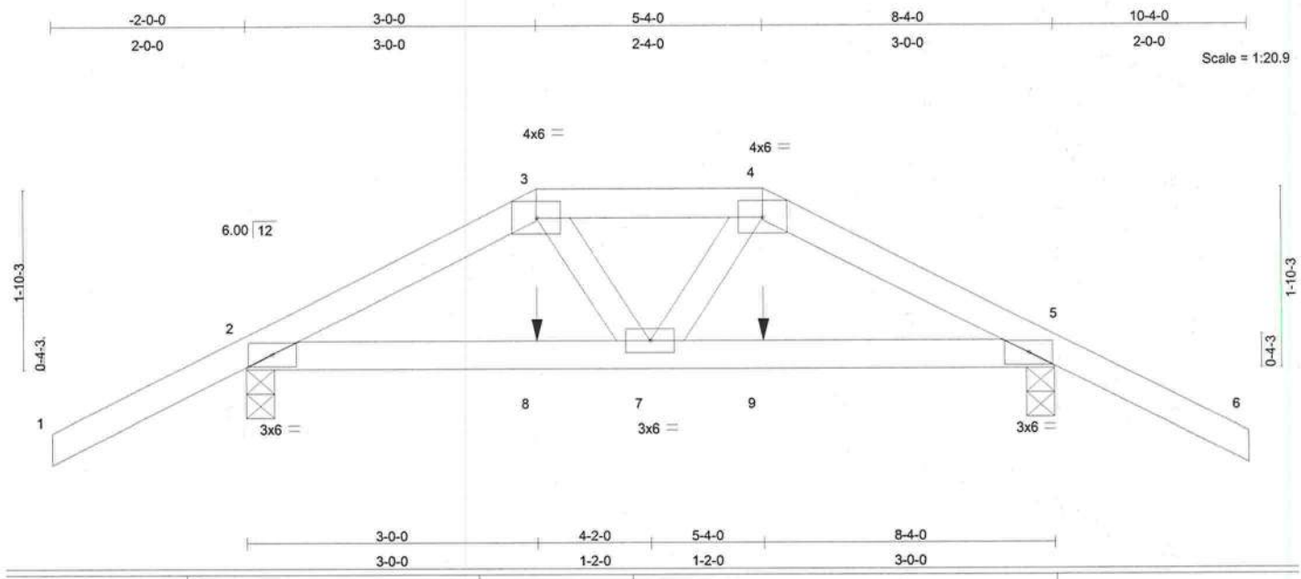
Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

September 26,2005

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T18	ROOF TRUSS	1	1	J1504706 Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:26 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)	0.01	5-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	-0.02	2-7	>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: 38 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=534/0-3-8, 5=534/0-3-8
Max Horz 2=74(load case 4)
Max Uplift 2=-369(load case 4), 5=-369(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-562/287, 3-4=-538/302, 4-5=-562/287, 5-6=0/47
BOT CHORD 2-8=-218/457, 7-8=-218/457, 7-9=-206/457, 5-9=-206/457
WEBS 3-7=-97/158, 4-7=-97/158

JOINT STRESS INDEX
2 = 0.58, 3 = 0.15, 4 = 0.15, 5 = 0.58 and 7 = 0.12

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 369 lb uplift at joint 2 and 369 lb uplift at joint 5.
5) Girder carries hip end with 3-0-0 end setback.

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

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
					J1504706
L132129	T18	ROOF TRUSS	1	1	Job Reference (optional)

NOTES

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

LOAD CASE(S) Standard

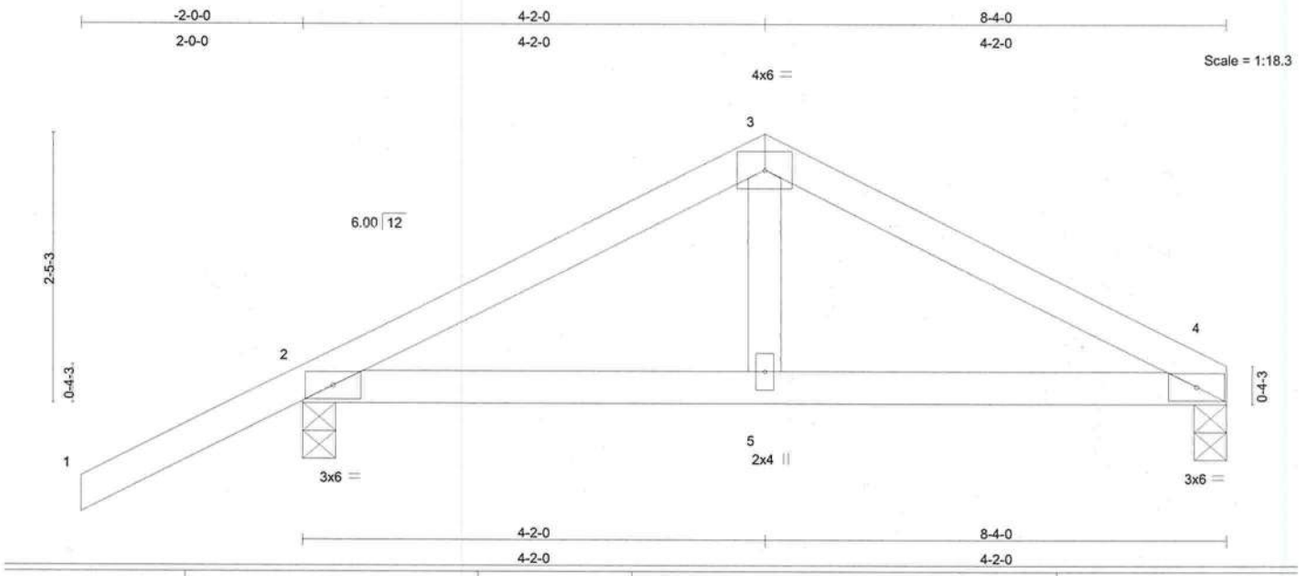
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-3=-54, 3-4=-64(F=-10), 4-6=-54, 2-8=-30, 8-9=-35(F=-5), 5-9=-30
   Concentrated Loads (lb)
   Vert: 8=-63(F) 9=-63(F)

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

September 26,2005

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 45 CC
L132129	T19	ROOF TRUSS	2	1	J1504707
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Sun Sep 25 08:13:27 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)	0.04	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	0.03	4-5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	-0.01	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 33 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-2-0 oc bracing.

REACTIONS (lb/size) 4=322/0-3-8, 2=469/0-3-8
Max Horz 2=104(load case 5)
Max Uplift 4=-198(load case 6), 2=-343(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-445/591, 3-4=-438/579
BOT CHORD 2-5=-437/349, 4-5=-437/349
WEBS 3-5=-250/144

JOINT STRESS INDEX
2 = 0.54, 3 = 0.53, 4 = 0.54 and 5 = 0.10

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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 198 lb uplift at joint 4 and 343 lb uplift at joint 2.

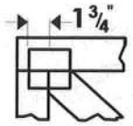
Truss Design Engineer: Lawrence A. Paine, PE
Florida PE No. 21475
Builders FirstSource - Florida, LLC
6550 Roosevelt Blvd. Jacksonville, FL 32244

LOAD CASE(S) Standard

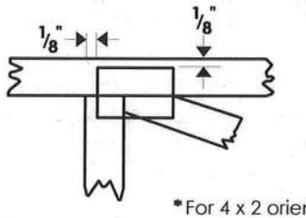
September 26,2005

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.

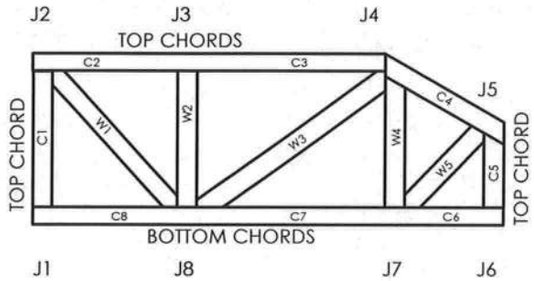
LATERAL BRACING

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.

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:

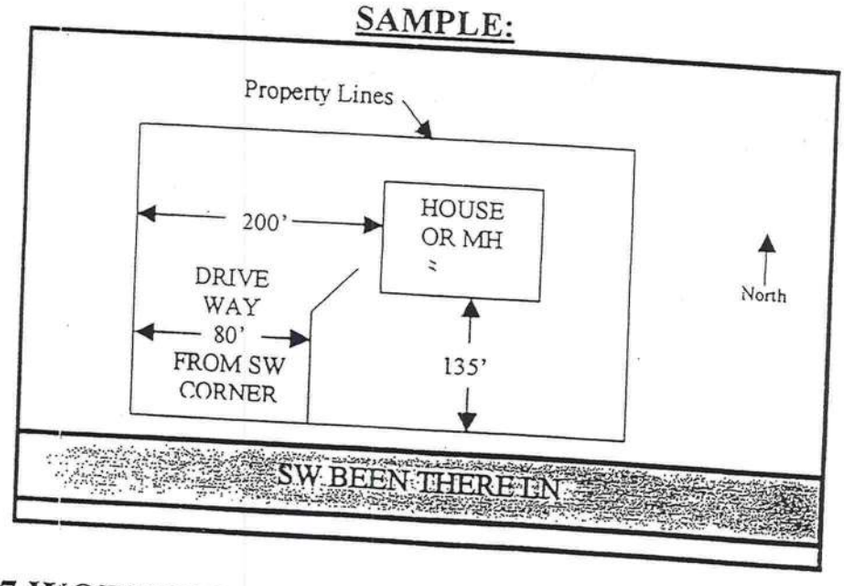
(ADDRESSES CAN NOT BE OBTAINED OVER THE TELEPHONE)

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.

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

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.

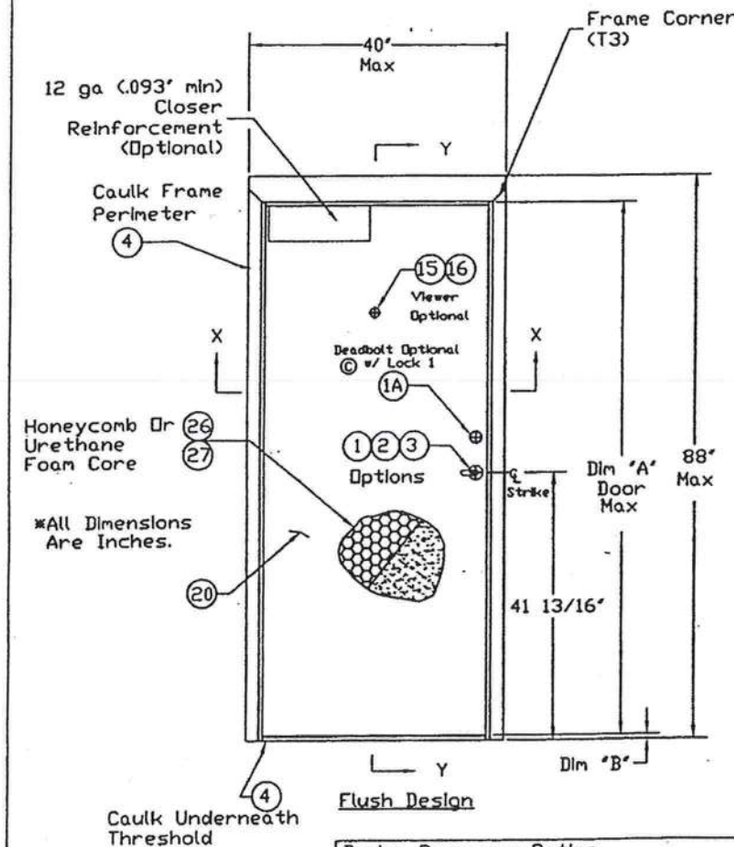
INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

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

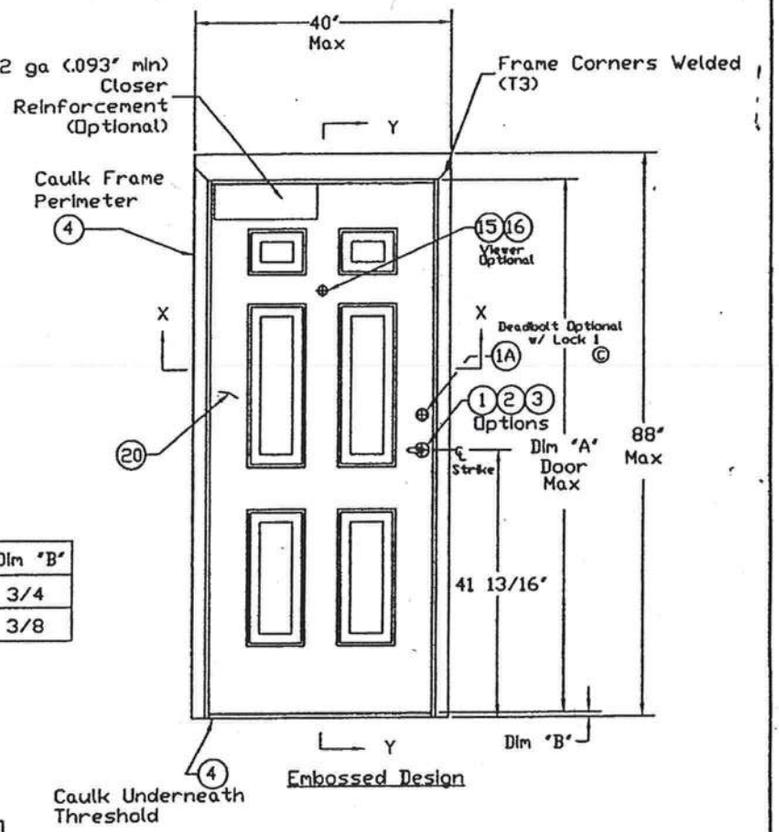
NOA No 02-0807.04
Expiration Date: October 31, 2007
Approval Date: October 31, 2002
Page 1



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 System
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.

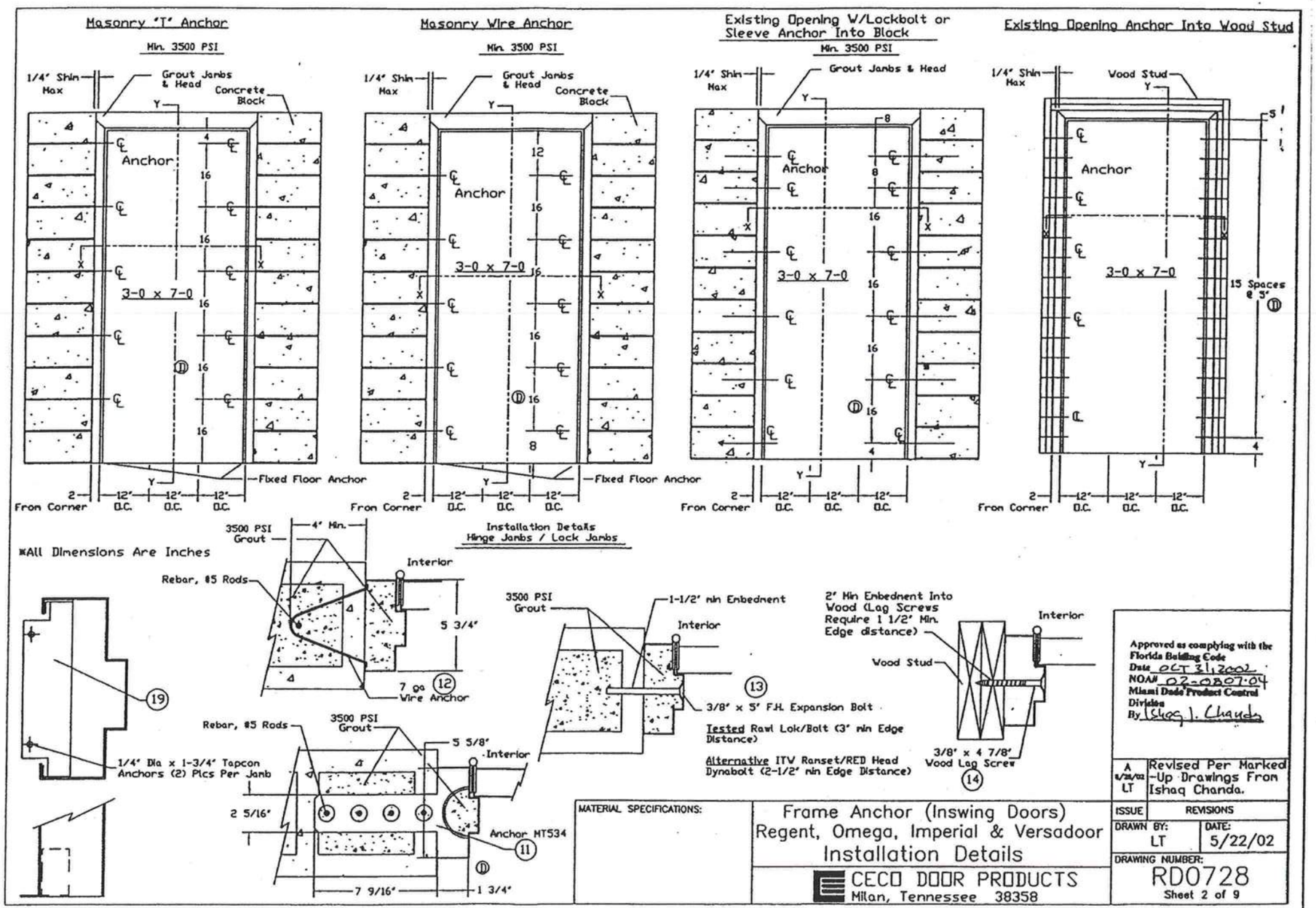
MATERIAL SPECIFICATIONS:
Finish: Rust Inhibitive Primer

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

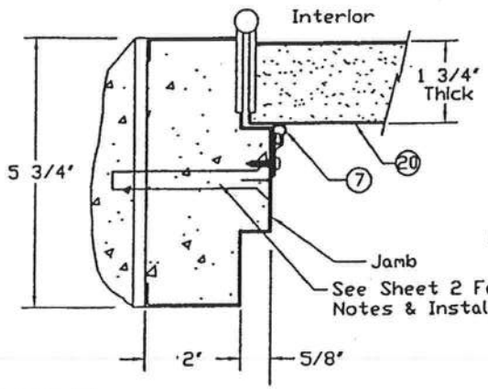
CECO DOOR PRODUCTS
Milan, Tennessee 38358

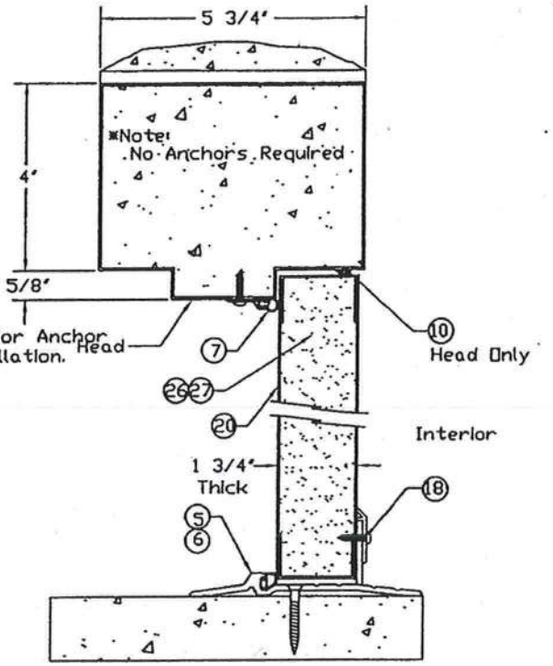
DRAWN BY: LT
DATE: 5/22/02

DRAWING NUMBER:
RD0728
Sheet 1 of 9

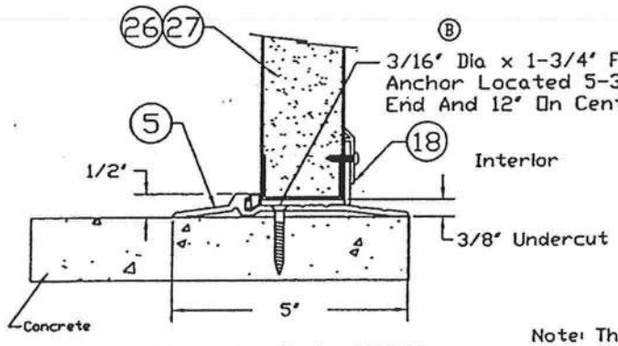

Masonry 'T' Anchor
Min. 3500 PSI
1/4" Shim Max
Grout Jambs & Head
Concrete Block
Anchor
3-0 x 7-0
Fixed Floor Anchor
2 From Corner
12" O.C.
Masonry Wire Anchor
Min. 3500 PSI
Existing Opening W/Lockbolt or Sleeve Anchor Into Block
Min. 3500 PSI
Existing Opening Anchor Into Wood Stud
Wood Stud
15 Spaces @ 3"
*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
1-1/2" 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
1/4" Dia x 1-3/4" Tapcon Anchors (2) Pics Per Jamb
5 5/8"
Anchor MT534
2 5/16"
7 9/16"
1 3/4"
Approved as complying with the Florida Building Code
Date OCT 31, 2002
NOA# 02-0807.04
Miami Dade Product Control Division
By Ishaq J. Chanda
A 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 2 of 9
MATERIAL SPECIFICATIONS:
Frame Anchor (Inswing Doors)
Regent, Omega, Imperial & Versadoor
Installation Details
CECO DOOR PRODUCTS
Milan, Tennessee 38358

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





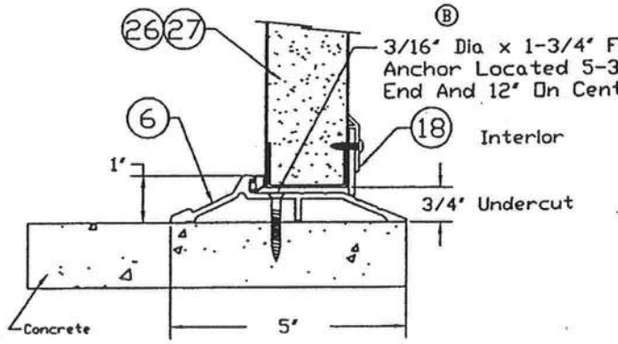
Section Y-Y



Threshold: Pemko 2005AV

Inswing
(Not Approved For Water)

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

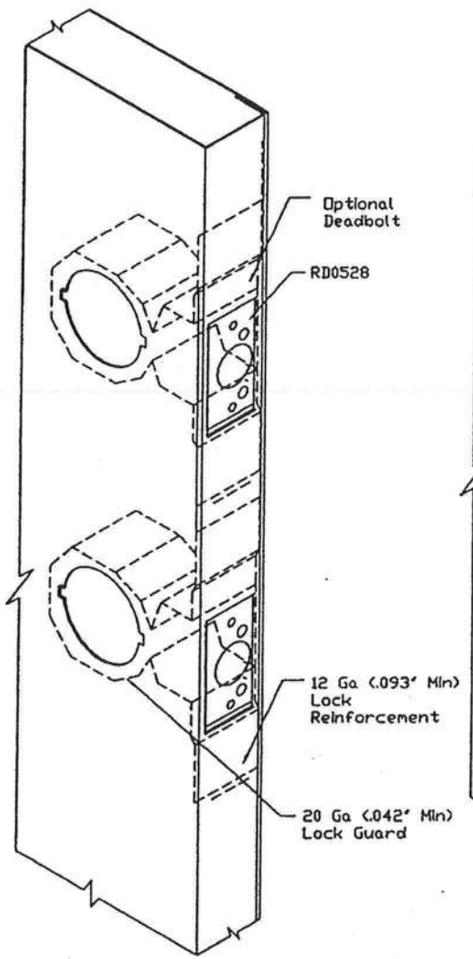
D 10/18/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda	
C 8/29/02 LT	Revised Per Marked-Up Drawings From Ishaq Chanda	
ISSUE	REVISIONS	
DRAWN BY: LT	DATE: 5/22/02	

MATERIAL SPECIFICATIONS:

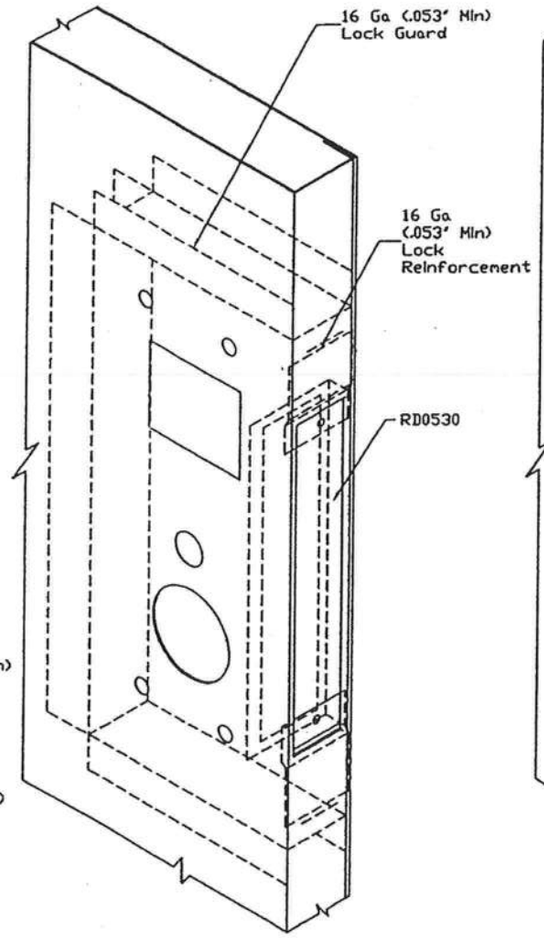
Threshold & Weatherstrip (Inswing Doors)
Regent, Omega, Imperial, Versadoor
Installation Details

CECO DOOR PRODUCTS
Milan, Tennessee 38358

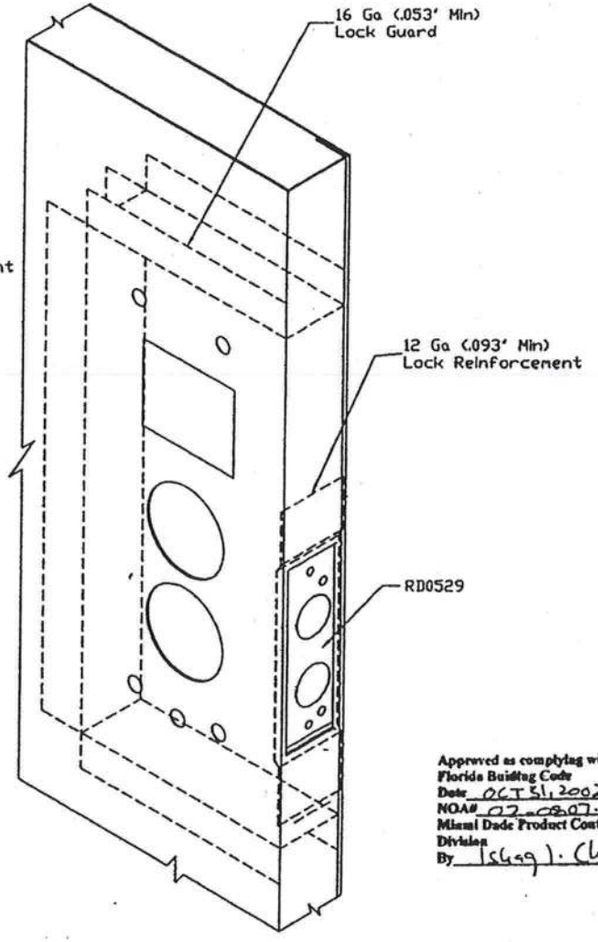
RD0728
Sheet 3 Of 9



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 Isaac J. Chanda

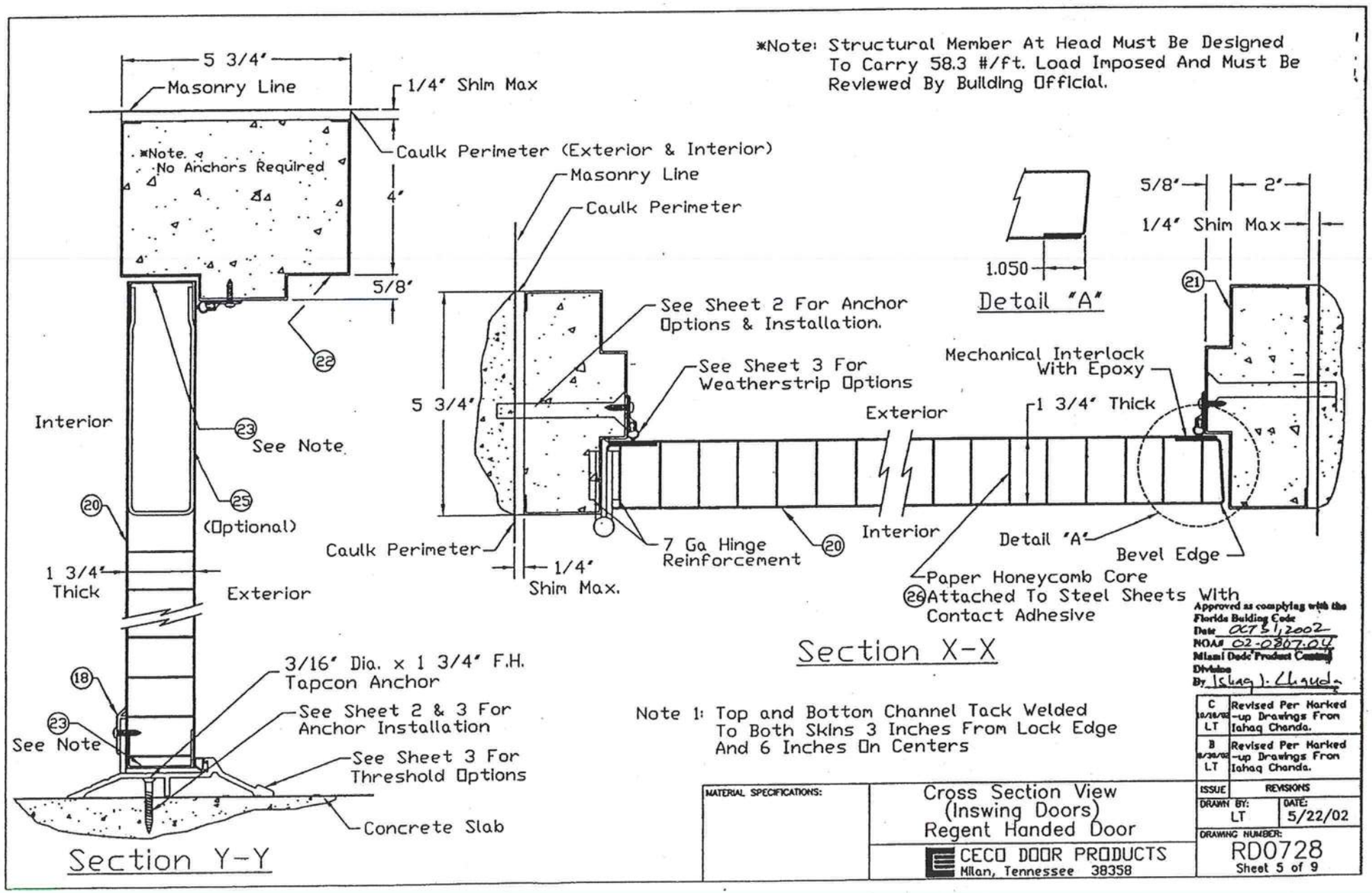
A 5/29/02 LT	Added RD0528, RD0529 & RD0530.
ISSUE	REVISIONS

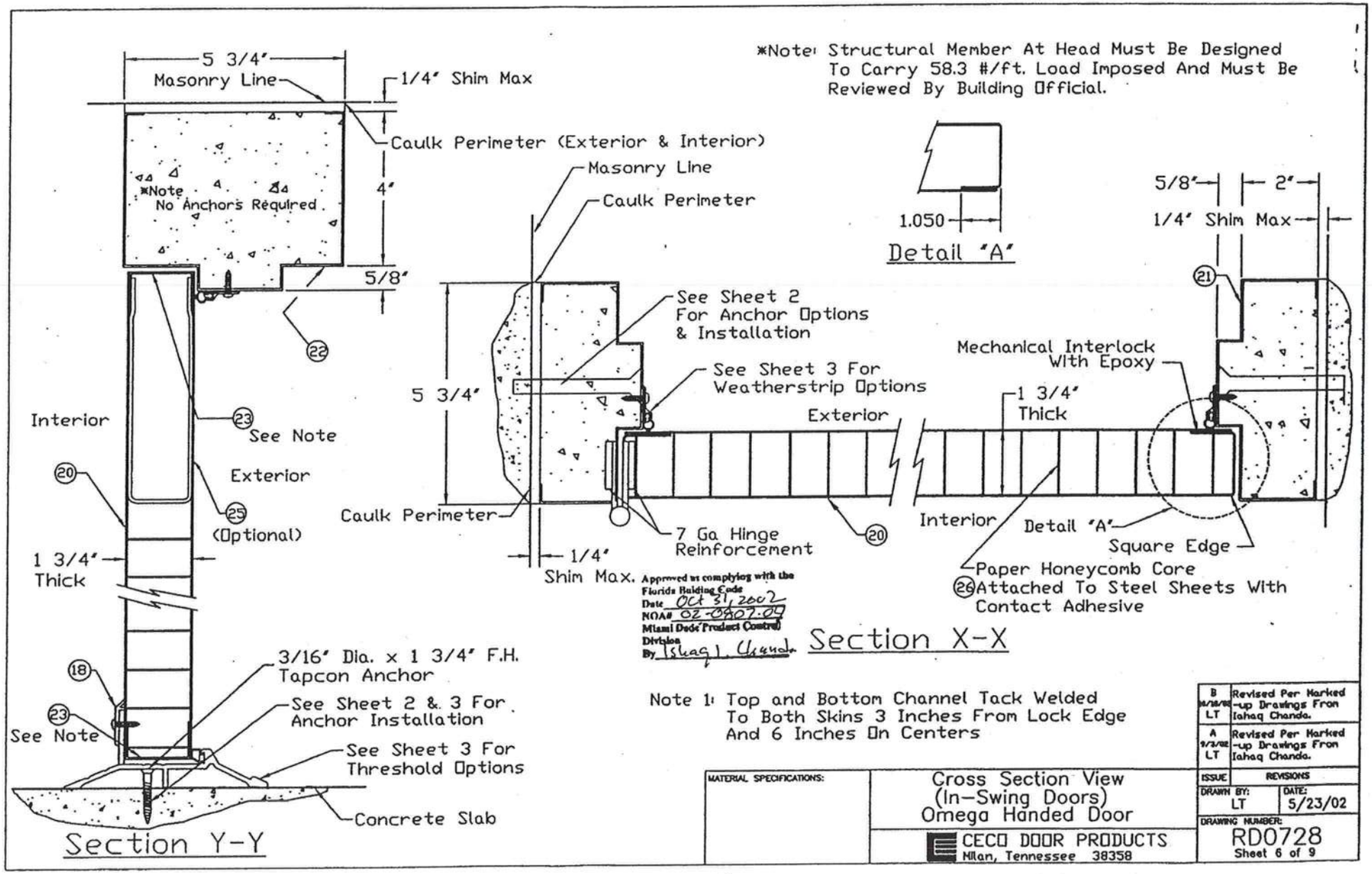
MATERIAL SPECIFICATIONS:

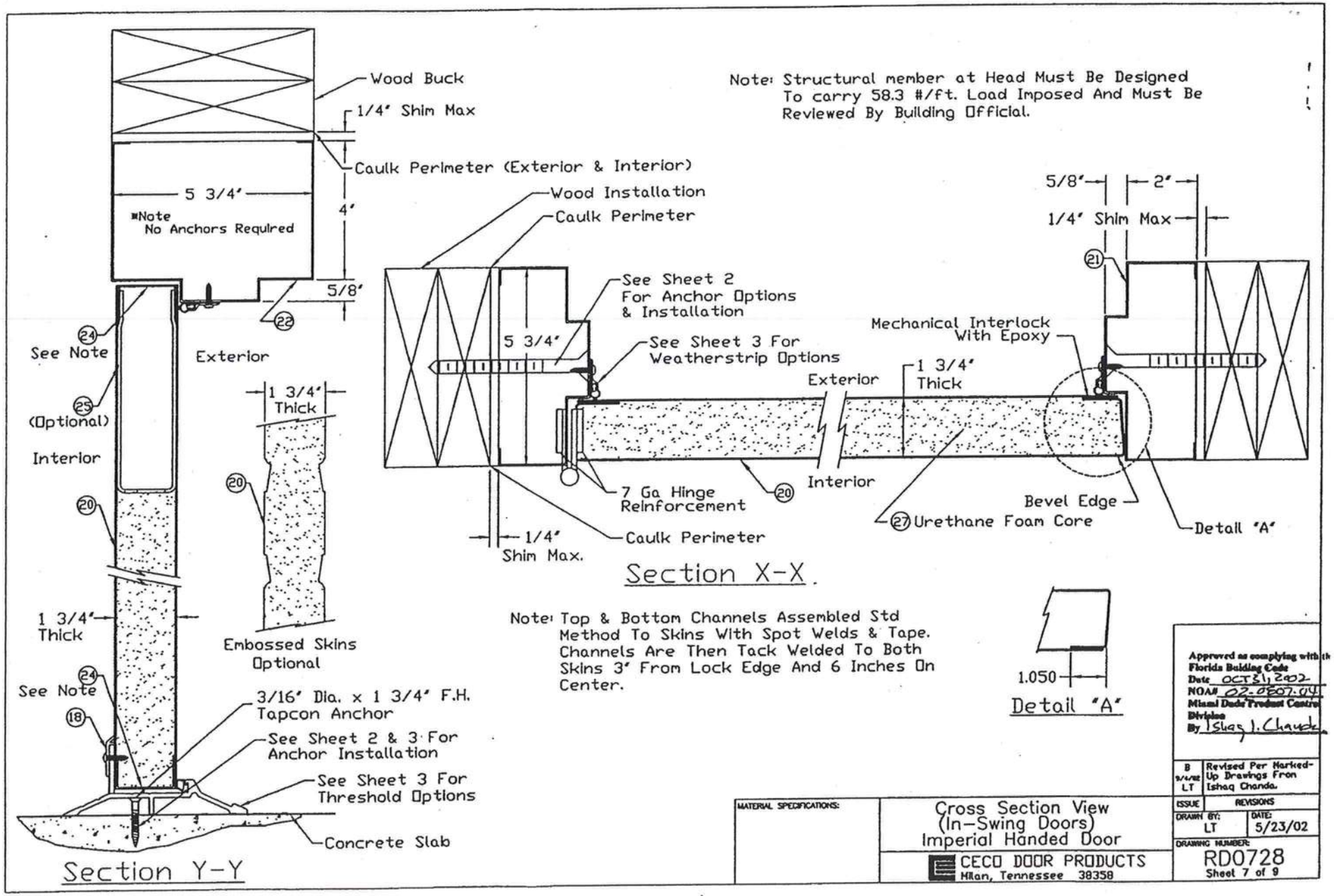
Lock Reinforcement (Inswing Doors)
Regent, Omega, Imperial, Versadoor
Reinforcement Details

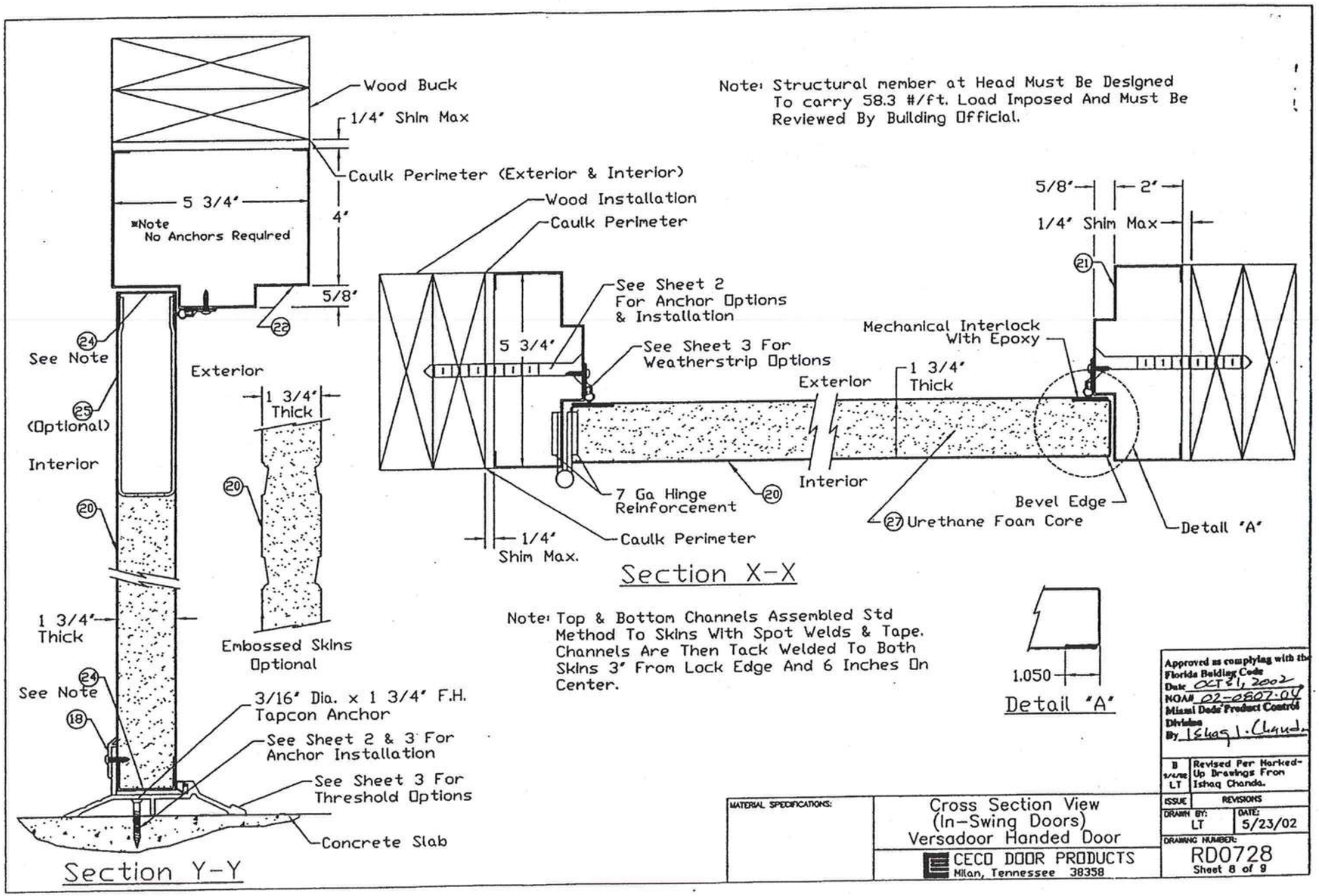
CECO DOOR PRODUCTS
Milan, Tennessee 38358

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
Interior
Exterior
1 3/4" Thick
Mechanical Interlock With Epoxy
21
Detail 'A'
Bevel Edge
Paper Honeycomb Core
26 Attached To Steel Sheets With Contact Adhesive
Section X-X
1.050
Detail "A"
5/8"
2"
1/4" Shim Max
Approved as complying with the Florida Building Code
Date 07/31/2002
NOA# 02-0307.04
Miami Dade Product Control Division
By Ishaq 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 (Inswing Doors) Regent Handed Door
CECO DOOR PRODUCTS
Milan, Tennessee 38358
C 10/16/02 LT Revised Per Marked -up Drawings From Ishaq Chanda.
B 8/30/02 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


5 3/4"
Masonry Line
1/4" Shim Max
Caulk Perimeter (Exterior & Interior)
4"
*Note
No Anchors Required
5/8"
22
Interior
23
See Note
Exterior
20
25
(Optional)
1 3/4"
Thick
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
*Note: Structural Member At Head Must Be Designed
To Carry 58.3 #/ft. Load Imposed And Must Be
Reviewed By Building Official.
Masonry Line
Caulk Perimeter
5 3/4"
See Sheet 2
For Anchor Options
& Installation
See Sheet 3 For
Weatherstrip Options
Exterior
Caulk Perimeter
20
7 Ga Hinge
Reinforcement
1/4"
Shim Max.
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
Section X-X
1.050
Detail "A"
5/8"
2"
1/4" Shim Max
21
Mechanical Interlock
With Epoxy
1 3/4"
Thick
Interior
Detail "A"
Square Edge
26
Paper Honeycomb Core
Attached To Steel Sheets With
Contact Adhesive
Note 1: Top and Bottom Channel Tack Welded
To Both Skins 3 Inches From Lock Edge
And 6 Inches On Centers
B 10/28/02 LT Revised Per Marked-up Drawings From Ishaq Chanda.
A 9/3/02 LT Revised Per Marked-up Drawings From Ishaq Chanda.
ISSUE REVISIONS
DRAWN BY: LT
DATE: 5/23/02
DRAWING NUMBER: RD0728
Sheet 6 of 9
MATERIAL SPECIFICATIONS:
Cross Section View
(In-Swing Doors)
Omega 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
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
Exterior
1 3/4"
Thick
Interior
7 Ga Hinge
Reinforcement
20
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 J. 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
20
1 3/4"
Thick
Exterior
1 3/4"
Thick
20
Embossed Skins
Optional
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
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
Exterior
1 3/4"
Thick
Interior
7 Ga Hinge
Reinforcement
20
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 21, 2002
NOA# 02-0807.04
Miami Dade Product Control
Division
By Ishaq J. Chanda
B 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.

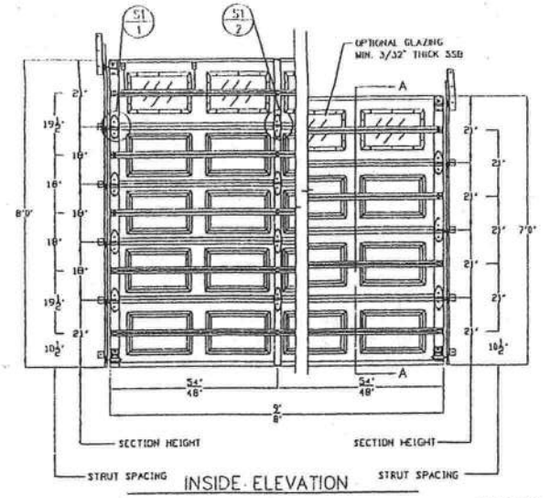
MATERIAL SPECIFICATIONS:

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

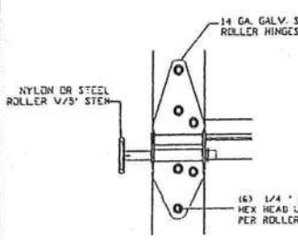
CECO DOOR PRODUCTS
Milan, Tennessee 38358

ISSUE	REVISIONS
DRAWN BY: LT	DATE: 5/28/02

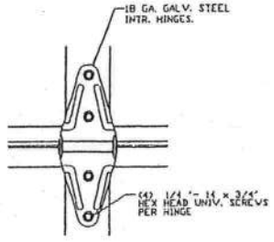
DRAWING NUMBER:
RD0728
Sheet 9 Of 9



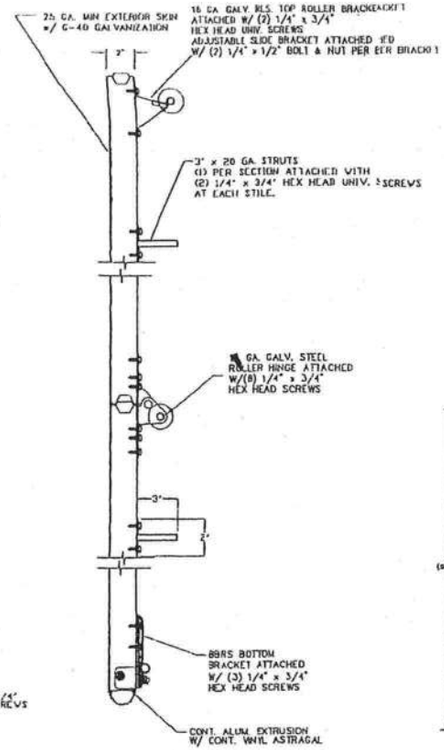
INSIDE ELEVATION



TYP. ROLLER BRACKET S1 1
N.T.S.



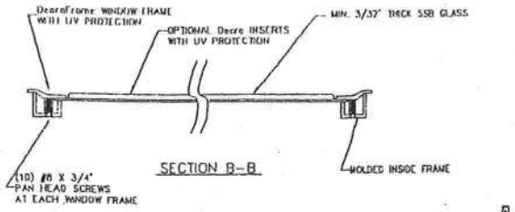
TYP. HINGE CONNECTION S1 2
N.T.S.

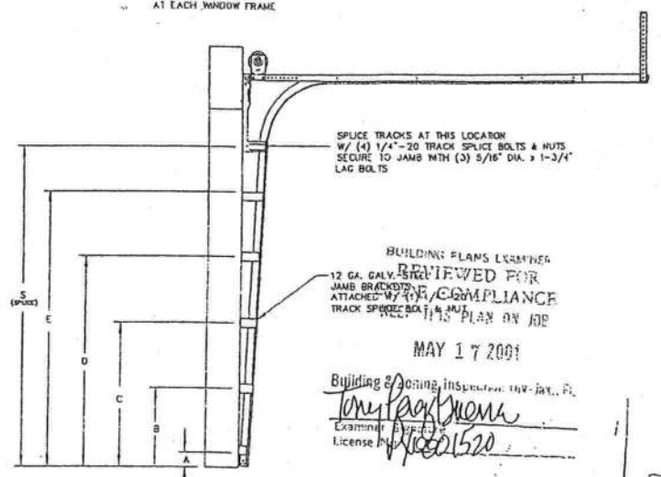


SECTION A-A (SIDE VIEW)

GLAZING OPTION CROSS SECTION

TEST No. SRG-580-011 ON OCTOBER 13, 1995 INCLUDED GLASS WINDOWS IN THE DOOR BEING USED IN 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 8' X 7' AND 8' X 8' MODEL 600 AND 950 DOORS



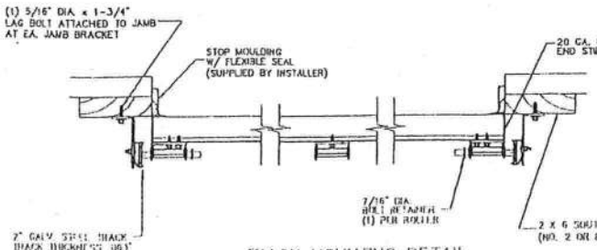


TRACK CONFIGURATION FOR 6'6" UP TO 8' TALL DOORS

BUILDING PLANS EXAMINER
REVIEWED FOR
CODE COMPLIANCE
THIS PLAN OR JOB
MAY 17 2001
Building & Zoning Inspections Dept., FL
Examiner Signature
License No. 0000520

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"



TRACK MOUNTING DETAIL

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 8" 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 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 24" O.C.

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

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. (.018") MIN. ROLL FORMED UNIT 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 REGISTRED 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 WITH 5 FEET OF DOORS WIDTH INSIDE THE EDGE STILE.
   - C 15' MEAN ROOF HEIGHT AT ANY SLOPE
   - D USE FACTOR OF 1.0
   - E EXPOSURE RATING OF C

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
SRG-580-007-J
SHEET 1 OF 1

4/19/01

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

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-16-03114-108 Building permit No. 000023733

Use Classification SFD/UTILITY Fire: 47.36

Permit Holder JOHN D. NORRIS Waste: 98.00

Owner of Building PETE GIEBEIG Total: 145.36

Location: 217 SW GERALD CONNER DR(CANNON CREEK PL, LOT 8)

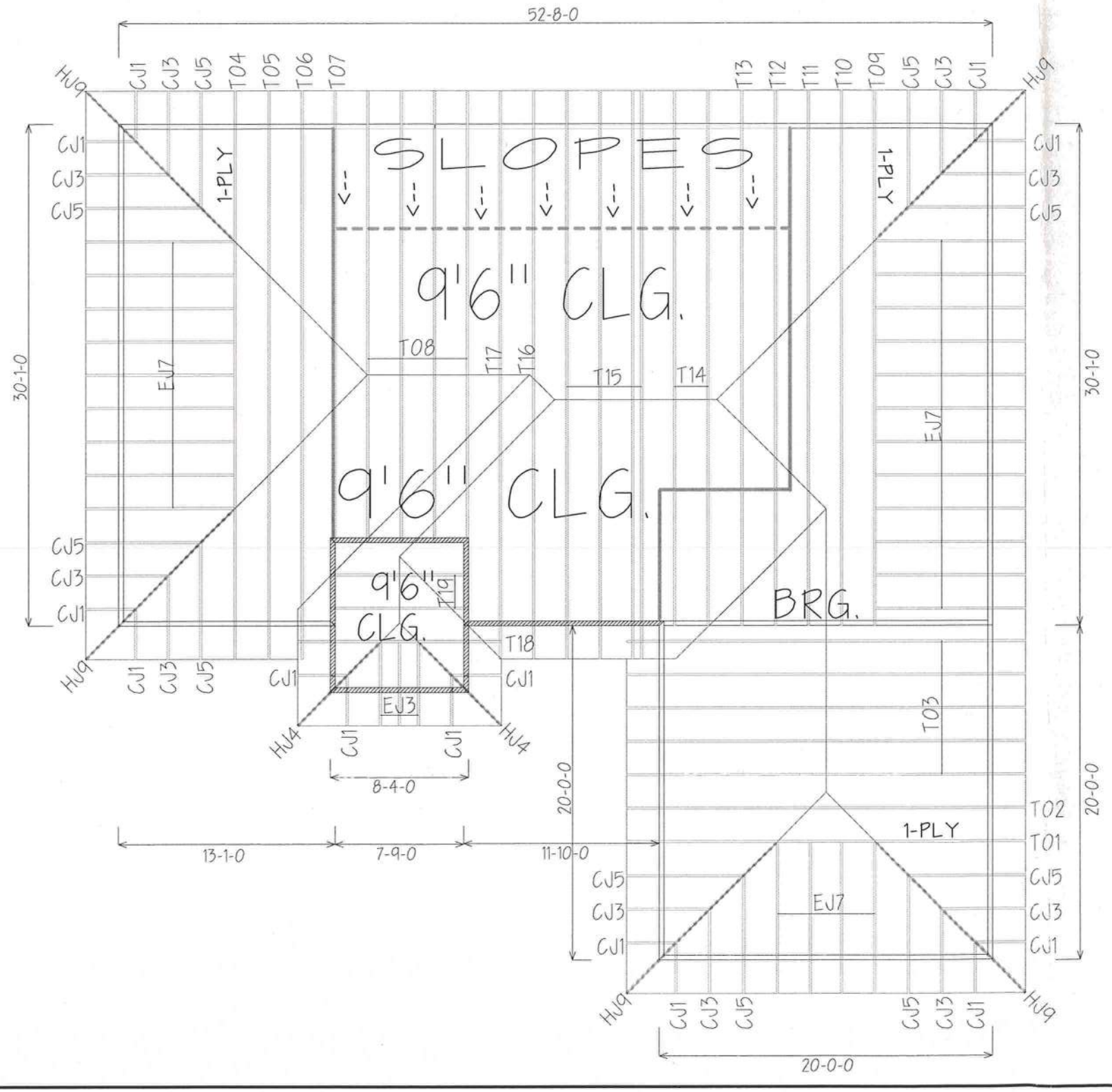
Date: 02/10/2006

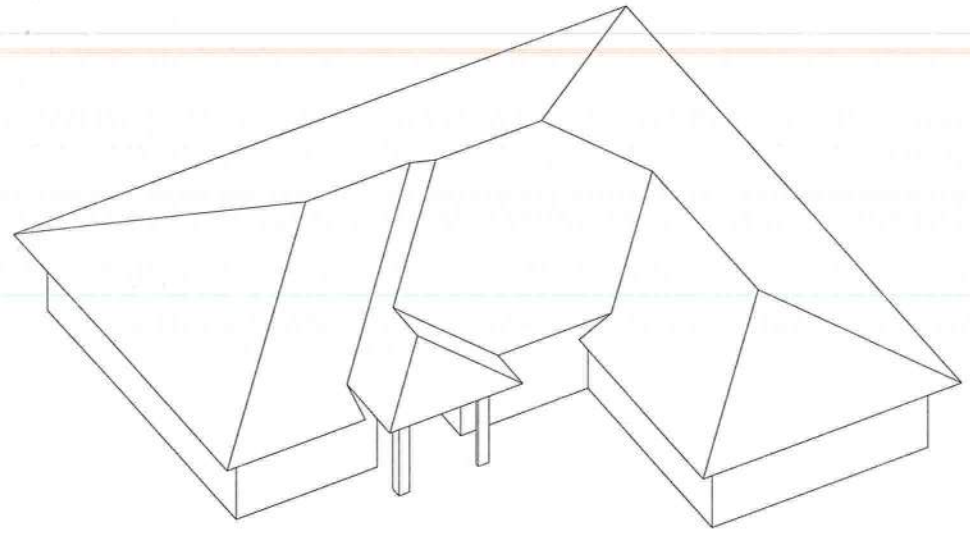
COLUMBIA COUNTY, GAINESVILLE, FLORIDA

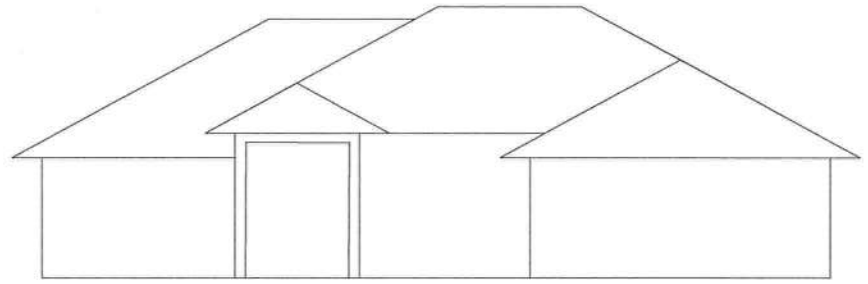
Building Inspector

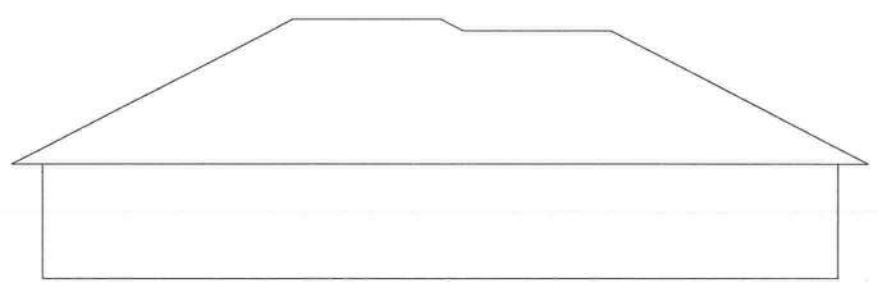
POST IN A CONSPICUOUS PLACE
(Business Places Only)

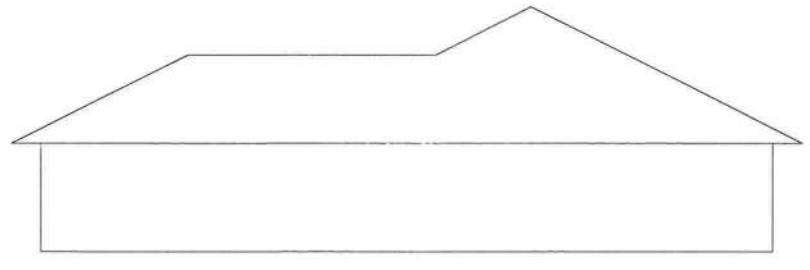
6/12 PITCH
2'0" O/H

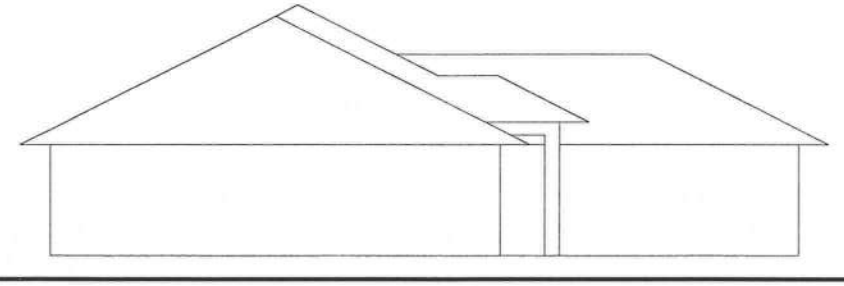












BEARING HEIGHT SCHEDULE

8'-0"

9'-6"

NOTES:

1.) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT 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 APPROVAL

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

Requested Delivery Date : _____

Approved by: _____ Date: _____

Builders FirstSource

Bunnell
PHONE: 904-437-3349 FAX: 904-437-3994

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

Lake City
PHONE: 904-755-6894 FAX: 904-755-7973

Sanford
PHONE: 407-322 0059 FAX: 407 322-5553

BUILDER: GIEBEIG HOMES		
LEGAL ADDRESS: LOT 45 CANNON CREEK		
MODEL: ST. JOHNS		REVISION:
		SCALE: NTS
DATE: 9-25-05	DRAWN BY: K.L.H.	JOB #: L132129

Notice of Treatment 11690

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: BAYA Ave
City Lake City Phone 752-1703

Site Location: Subdivision Cannon Creek Acres
Lot # 8 Block# _____ Permit # 23733
Address 217 Gerald Connor 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
Dwelling	2951	226	452

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

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

10/26/05 Date | 1100 Time | F254 Gunny Print Technician's Name

Remarks: _____

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