DATE 12/12/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000025303

APPLICANT B. TRENT GIEBEIG PHONE 386.397.0545

ADDRESS 697 SE HOLLY TERRACE LAKE CITY FL 32025

OWNER PETER W. GIEBEIG PHONE 386.752.0791

ADDRESS 122 SW GERALD CONNER DRIVE LAKE CITY FL 32025

CONTRACTOR B. TRENT GIEBEIG PHONE 386.397.0545

LOCATION OF PROPERTY 990-W TO C-341,TL TO KICKLIGHTER RD,TL TO GERALD CONNER DR, TR AND IT'S THE 1ST. LOT ON R.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 80400.00

HEATED FLOOR AREA 1608.00 TOTAL AREA 2218.00 HEIGHT 17.80 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-16-03114-149 SUBDIVISION CANNON CREEK PLACE

LOT 49 BLOCK PHASE UNIT TOTAL ACRES 0.51

000001276		R282811523		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
18"X32'MITERED	06-01048N	BLK	JTH	
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE. PLAT REQUIRES 1ST. FLOOR TO BE 101.0'. ELEVATION LETTER REQUIRED.

Check # or Cash 2352

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 $ 405.00 CERTIFICATION FEE $ 11.09 SURCHARGE FEE $ 11.09

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 527.18

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.

NOTICE OF COMMENCEMENT

Inst:2006027972 Date:11/28/2006 Time:11:40
_____ DC,P.DeWitt Cason,Columbia County B:1103 P:260

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 #49 Cannon Creek Place
   122 SW Gerald Conner Drive
   Lake City, Fl. 32025

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): Trent Giebeig Construction, Inc.
   697 SE Holly Terrace Lake City, Fl. 32025

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 Notice as provided in 713.13 (l)(b), Florida Statues (Name and Address):
   N/A

9. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of Recording unless a different date is specified):

Peter W. Giebeig
Type Owner Name: Peter W. Giebeig

Type Owner Name:

Vanessa Bryant
Witness #1 VANESSA BRYANT

Elaine K Tolar
Witness #2 ELAINE K TOLAR

Sworn to and subscribed before me by the Owner (s) on this 27 day of Nov 2006

Elaine K. Tolar
Type Name: ELAINE K TOLAR
Notary Public, State of Florida
COMMISSION EXPIRY / NUMBER:

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

Personally Known PETER W. GIEBEIG
Produced Identification
Did Take an Oath / Did Not Take an Oath

LYNCH WELL DRILLING, INC.

173 SW Tustenuggee Ave
Lake City, FL. 32025
Phone 386-752-6677
Fax 386-752-1477

Canon Creek Pl. Lot 49

Building Permit #_____ Owner's Name Trent Gieleig

Well Depth_____ Ft. Casing Depth _____Ft. Water Level _____Ft.

Casing Size 4 inch Steel Pump Installation: Deep Well Submersible

Pump Make Aermotor Pump Model S20-100 HP 1

System Pressure (PSI) _____ On 30 Off 50 Average Pressure 40

Pumping System GPM at average pressure and pumping level 20 (GPM)

Tank Installation: (Bladder)/Galvanized Make Challenger
Model PC244 Size 81

Tank Draw-down per cycle at system pressure 251 gallons

I HEREBY VERTIFY THAT THIS WATER WELL SYSTEM HAS BEEN INSTALLED AS PER THE ABOVE INFORMATION.

Linda Newcomb
Signature

Linda Newcomb
Print Name

2609
License Number

12-6-06
Date

Columbia County Building Permit Application

For Office Use Only Application # 06/2.24 Date Received 12/6/06 By G Permit # 276/25303

Application Approved by - Zoning Official BLK Date 12.12.06 Plans Examiner OKJTH Date 12-7-06

Flood Zone X per plat Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Den

Comments SITE PLAN ON PRINTS Plat Requires 1st floor to be 101.0' Elevation letter Required

□ NOC □ EH □ Deed or PA □ Site Plan □ State Road Info □ Parent Parcel # □ Development Permit

Name Authorized Person Signing Permit Trent Gibbs Fax

Phone 397-0545

Address 697 SE Holly Terrace Lake City FL 32025

Owners Name Peter W. Gibbs Phone 752-0791

911 Address 122 SW Gerald Conner Drive Lake City FL 32025

Contractors Name Trent Gibbs Construction Inc Phone 397-0545

Address 697 SE Holly Terrace Lake City FL 32025

Fee Simple Owner Name & Address —

Bonding Co. Name & Address —

Architect/Engineer Name & Address Freeman Design

Mortgage Lenders Name & Address —

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

Property ID Number 24-45-16-03114-149 Estimated Cost of Construction 110,000

Subdivision Name Cannon Creek Place Lot 49 Block — Unit — Phase —

Driving Directions Sisters Welcome South Left on Kicklight Right on Gerald Connor Drive 1st on Right

Type of Construction Frame Number of Existing Dwellings on Property —

Total Acreage .51 Lot Size .51 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 27 Side 47'6 Side 47'6 Rear 78

Total Building Height 17'8" Number of Stories 1 Heated Floor Area 1608 TOTAL 2,218 Roof Pitch 6/12

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

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

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF 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.

Owner Builder or Authorized Person by Notarized Letter

Contractor Signature

Contractors License Number RR28281152 3

Competency Card Number 5754

NOTARY STAMP/SEAL

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 6th day of DECEMBER 2006.

Personally known X or Produced Identification —

Elaine K. Tolar

Notary Signature

JW ADVISED Trent 12.11.06

(Revised Sept. 2006)

Columbia County Property Appraiser

DB Last Updated: 11/20/2006

Parcel: 24-4S-16-03114-149

2007 Proposed Values

Tax Record | Property Card | Interactive GIS Map | Print

Owner & Property Info

<< Prev Search Result: 17 of 53 Next >>

Owner's Name	GIEBEIG PETER W		
Site Address	GERALD CONNER		
Mailing Address	P O BOX 1384 LAKE CITY, FL 32056		
Use Desc. (code)	VACANT (000000)		
Neighborhood	24416.00	**Tax District**	2
UD Codes	MKTA06	**Market Area**	06
Total Land Area	0.510 ACRES		
Description	LOT 49 CANNON CREEK PLACE S/D.		

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (1)	$36,000.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$36,000.00

Just Value	$36,000.00
Class Value	$0.00
Assessed Value	$36,000.00
Exempt Value	$0.00
Total Taxable Value	$36,000.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vimp	Sale Qual	Sale RCode	Sale Price
NONE						

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (.510AC)	1.00/1.00/1.00/1.00	$36,000.00	$36,000.00

Columbia County Property Appraiser

DB Last Updated: 11/20/2006

<< Prev 17 of 53 Next >>

Columbia County Tax Collector

Site Provided by... govemmax.com T1.14

Tax Record

print Account Number 1 of 1

Last Update: 12/7/2006 8:51:10 AM EST

Details
Tax Record
» Print View
Legal Desc.
Appraiser Data
Tax Payment
Payment History

Searches
Account Number
GEO Number
Owner Name
Property Address
Certificate NEW!
Mailing Address

Site Functions
Disclaimer
Tax Search
Occupational Lic.
Contact Us
County Login
Home

Ad Valorem Taxes and Non-Ad Valorem Assessments

The information contained herein does not constitute a title search and should not be relied on as such

Account Number	Tax Type	Tax Year
R03114-149	REAL ESTATE	2006

Mailing Address
GIEBEIG PETER W
P O BOX 1384
LAKE CITY FL 32056

Property Address

GEO Number
164S24-03114-149

Assessed Value	Exempt Amount	Taxable Value
$36,000.00	$0.00	$36,000.00

Exemption Detail
NO EXEMPTIONS

Millage Code
002

Escrow Code

Legal Description (click for full description)
24-4S-16 0000/0000 .51 Acres LOT 49 CANNON CREEK PLACE S/D.

Ad Valorem Taxes

Taxing Authority	Rate	Exemption Amount	Taxable Value	Taxes Levied
BOARD OF COUNTY COMMISSIONERS	8.7260	0	$36,000	$314.14
COLUMBIA COUNTY SCHOOL BOARD				
DISCRETIONARY	0.7600	0	$36,000	$27.36
LOCAL	4.9750	0	$36,000	$179.10
CAPITAL OUTLAY	2.0000	0	$36,000	$72.00
SUWANNEE RIVER WATER MGT DIST	0.4914	0	$36,000	$17.69
SHANDS AT LAKE SHORE	2.2500	0	$36,000	$81.00
INDUSTRIAL DEVELOPEMENT AUTH	0.1380	0	$36,000	$4.97

Total Millage	19.3404	Total Taxes	$696.26

Non-Ad Valorem Assessments

Code	Levying Authority	Amount
FFIR	FIRE ASSESSMENTS	$62.56

Total Assessments	$62.56
Taxes & Assessments	$758.82

If Paid By	Amount Due
11/30/2006	$728.47
12/31/2006	**$736.06**
1/31/2007	$743.64
2/28/2007	$751.23
3/31/2007	$758.82

Date Paid	Transaction	Receipt	Item	Amount Paid

Prior Years Payment History

Prior Year Taxes Due
NO DELINQUENT TAXES

Click Here To Pay Now

Print | << First < Previous Next > Last >>

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001276

DATE 12/13/2006 PARCEL ID # 24-4S-16-03114-149

APPLICANT B. TRENT GIEBEIG PHONE 386.397.0545

ADDRESS 697 SE HOLLY TERRACE LAKE CITY FL 32025

OWNER PETER W. GIEBEIG PHONE 386.752.0791

ADDRESS 122 SW GERALD CONNER DRIVE LAKE CITY FL 32025

CONTRACTOR B. TRENT GIEBEIG PHONE 386.397.0545

LOCATION OF PROPERTY 990-W TO C-341,TL TO KICKLIGHTER RD,TL TO GERALD CONNER DR, TR AND IT'S THE 1ST. LOT ON R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT CANNON CREEK PLACE 49

SIGNATURE

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 _____

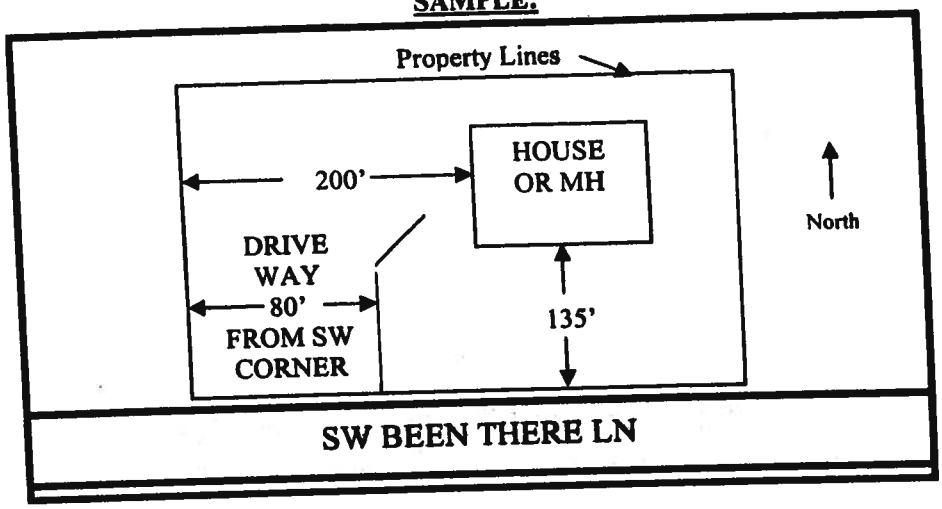
ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED DURING THE INSTALATION OF THE CULVERT.

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

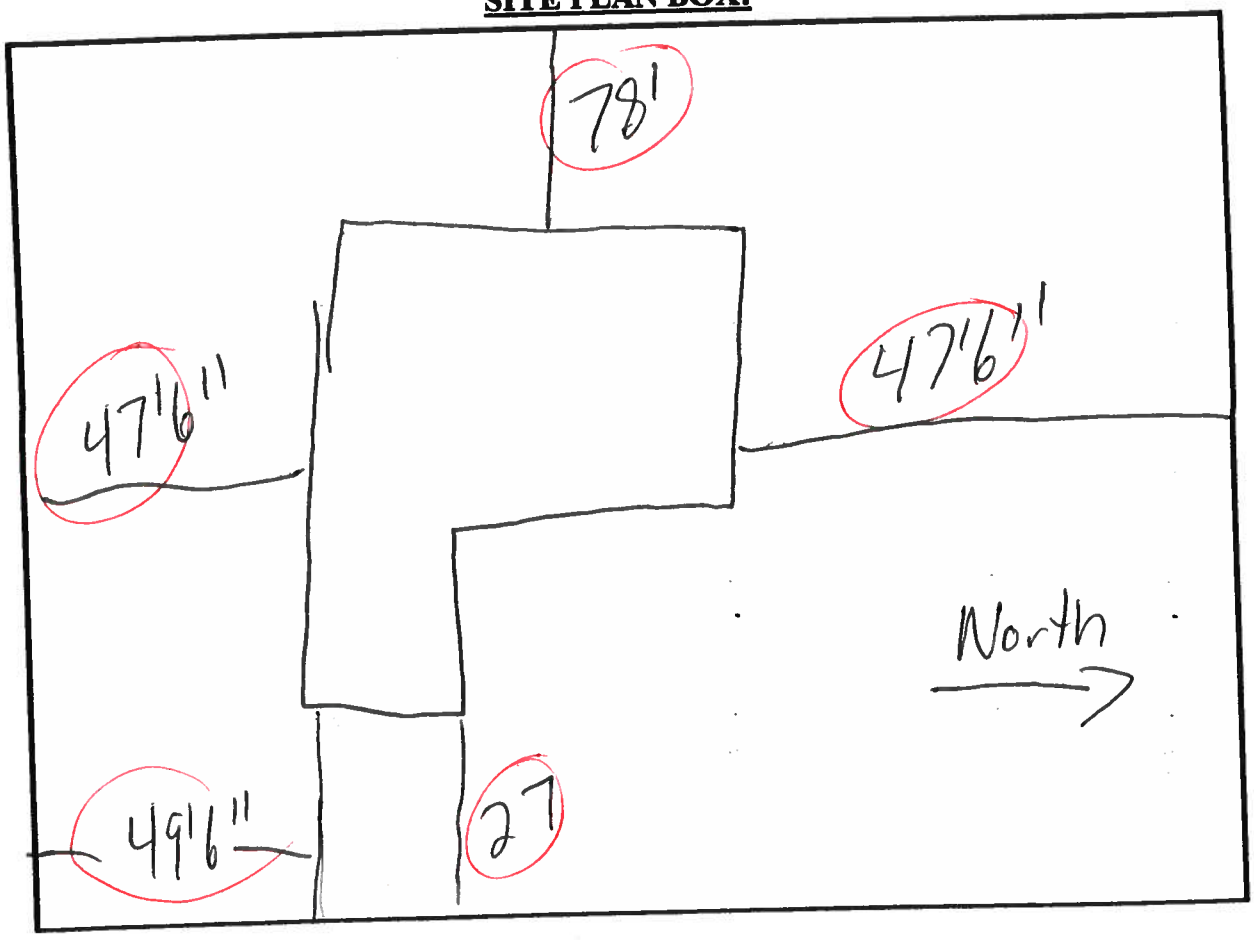
Amount Paid 25.00

1. A PLAT, PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
2. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM AT LEAST TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
3. 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).
4. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



SITE PLAN BOX:

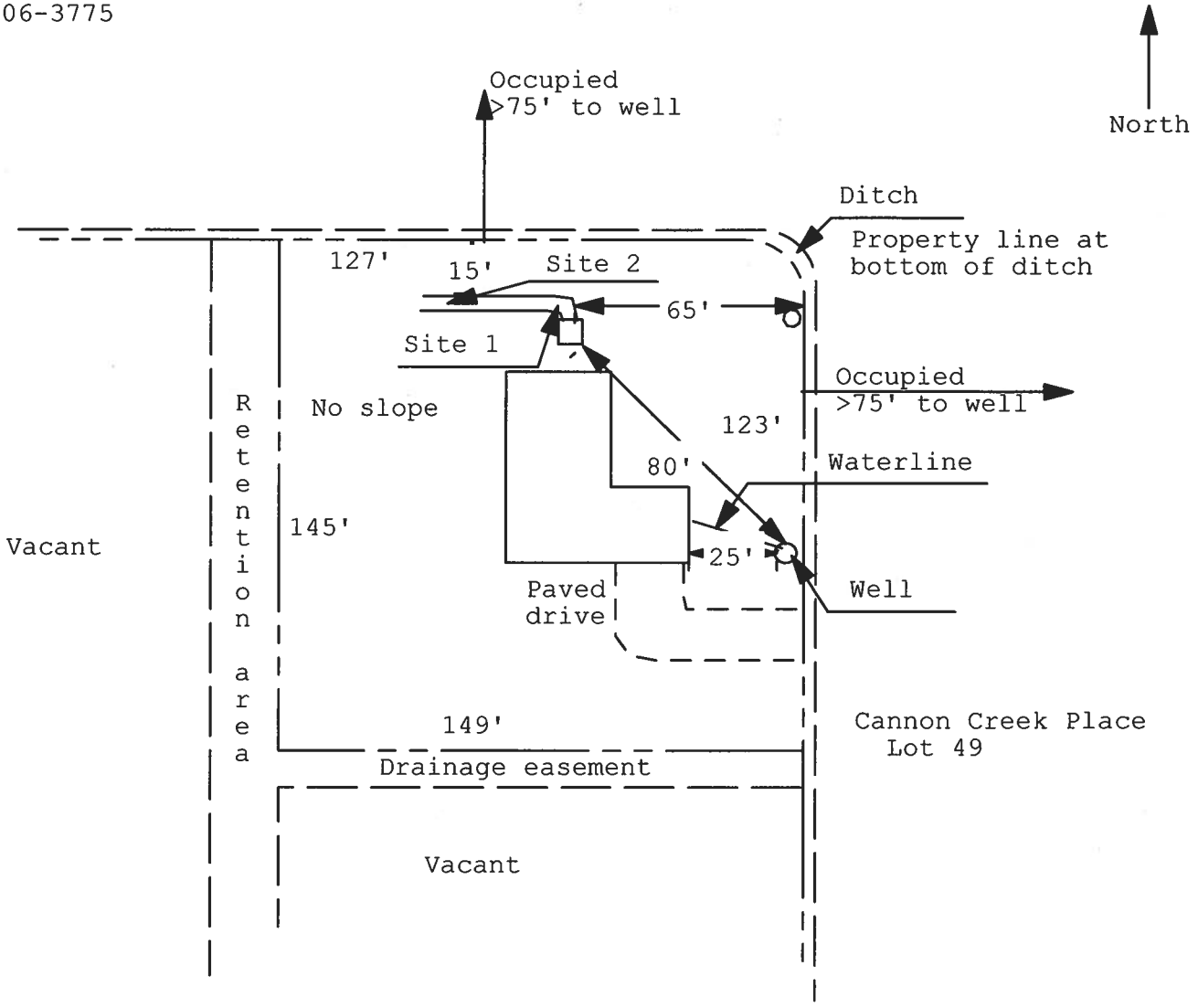


Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 06-0/048N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GIEBEIG/CR 06-3775



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd **Date** 11/29/06

Plan Approved X **Not Approved** _____ **Date** _____

By Sallie Goodby EHS 12.1.06 **CPHU**

Columbia CHD

Notes: _____

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Lot 49 Cannon Creek**	Builder:	**Trent Giebeig**
Address:	**Lot: 49, Sub: Cannon Creek, Plat:**	Permitting Office:	**Columbia County**
City, State:	**Lake City, FL 32055-**	Permit Number:	
Owner:	**Trent Giebeig**	Jurisdiction Number:	22000
Climate Zone:	**North**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1608 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	157.0 ft²	0.0 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, 175.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Face Brick, Wood, Exterior		R=13.0, 879.4 ft²	
b. Frame, Wood, Adjacent		R=13.0, 160.0 ft²	
c. Frame, Wood, Exterior		R=13.0, 421.3 ft²	
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1614.7 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 53.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 24.0 kBtu/hr	
	SEER: 12.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 24.0 kBtu/hr	
	HSPF: 7.40	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.95	
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: 23655
Total base points: 27336

PASS

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

PREPARED BY: William H Free

DATE: 11/21/06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 49, Sub: Cannon Creek, Plat: , Lake City, FL, 32055-** 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	1608.0	20.04	5800.4	Single, Clear	E	1.5	6.0	15.0	47.92	0.91	656.1	
				Single, Clear	E	1.5	6.0	20.0	47.92	0.91	874.8	
				Single, Clear	E	1.5	6.0	25.0	47.92	0.91	1093.5	
				Single, Clear	S	1.5	2.0	5.0	40.81	0.57	115.4	
				Single, Clear	S	1.5	5.0	8.0	40.81	0.81	263.4	
				Single, Clear	W	1.5	6.0	30.0	43.84	0.91	1201.2	
				Single, Clear	W	1.5	7.0	30.0	43.84	0.94	1234.8	
				Single, Clear	W	1.5	7.0	24.0	43.84	0.94	987.9	
				As-Built Total:				**157.0**			**6427.0**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	160.0	0.70	112.0	Face Brick, Wood, Exterior			13.0	879.4	0.35		307.8	
Exterior	1300.6	1.70	2211.1	Frame, Wood, Adjacent			13.0	160.0	0.60		96.0	
				Frame, Wood, Exterior			13.0	421.3	1.50		631.9	
Base Total:	**1460.6**		**2323.1**	**As-Built Total:**				**1460.6**			**1035.7**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	176.8	2.40	424.3	Exterior Wood				34.0	6.10		207.4	
Exterior	58.5	6.10	356.7	Adjacent Wood				106.1	2.40		254.6	
				Adjacent Wood				57.1	2.40		137.1	
				Adjacent Wood				13.6	2.40		32.6	
				Exterior Wood				24.5	6.10		149.3	
Base Total:	**235.3**		**781.0**	**As-Built Total:**				**235.3**			**781.0**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1608.0	1.73	2781.8	Under Attic			30.0	1614.7	1.73 X 1.00		2793.4	
Base Total:	**1608.0**		**2781.8**	**As-Built Total:**				**1614.7**			**2793.4**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	175.0(p)	-37.0	-6475.0	Slab-On-Grade Edge Insulation			0.0	175.0(p	-41.20		-7210.0	
Raised	0.0	0.00	0.0									
Base Total:			**-6475.0**	**As-Built Total:**				**175.0**			**-7210.0**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1608.0	10.21	16417.7					1608.0	10.21		16417.7	

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 49, Sub: Cannon Creek, Plat: , Lake City, FL, 32055-** PERMIT #:

BASE				AS-BUILT						
Summer Base Points:			**21629.0**	**Summer As-Built Points:**						**20244.8**
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
21629.0	**0.4266**		**9226.9**	20244.8 **20244.8**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.284 **0.284**	1.000 **1.000**		6550.9 **6550.9**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 49, Sub: Cannon Creek, Plat: , Lake City, FL, 32055-** 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	1608.0	12.74	3687.5	Single, Clear	E	1.5	6.0	15.0	26.41	1.04	410.2	
				Single, Clear	E	1.5	6.0	20.0	26.41	1.04	546.9	
				Single, Clear	E	1.5	6.0	25.0	26.41	1.04	683.7	
				Single, Clear	S	1.5	2.0	5.0	20.24	2.27	229.3	
				Single, Clear	S	1.5	5.0	8.0	20.24	1.20	193.9	
				Single, Clear	W	1.5	6.0	30.0	28.84	1.02	885.5	
				Single, Clear	W	1.5	7.0	30.0	28.84	1.02	879.4	
				Single, Clear	W	1.5	7.0	24.0	28.84	1.02	703.5	
				As-Built Total:				**157.0**			**4532.3**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	160.0	3.60	576.0	Face Brick, Wood, Exterior			13.0	879.4	3.17		2792.0	
Exterior	1300.6	3.70	4812.4	Frame, Wood, Adjacent			13.0	160.0	3.30		528.0	
				Frame, Wood, Exterior			13.0	421.3	3.40		1432.4	
Base Total:	**1460.6**		**5388.4**	**As-Built Total:**				**1460.6**			**4752.3**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	176.8	11.50	2033.2	Exterior Wood				34.0	12.30		418.2	
Exterior	58.5	12.30	719.3	Adjacent Wood				106.1	11.50		1219.9	
				Adjacent Wood				57.1	11.50		656.9	
				Adjacent Wood				13.6	11.50		156.4	
				Exterior Wood				24.5	12.30		301.1	
Base Total:	**235.3**		**2752.5**	**As-Built Total:**				**235.3**			**2752.5**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	1608.0	2.05	3296.4	Under Attic			30.0	1614.7	2.05 X	1.00	3310.1	
Base Total:	**1608.0**		**3296.4**	**As-Built Total:**				**1614.7**			**3310.1**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	175.0(p)	8.9	1557.5	Slab-On-Grade Edge Insulation			0.0	175.0(p	18.80		3290.0	
Raised	0.0	0.00	0.0									
Base Total:			**1557.5**	**As-Built Total:**				**175.0**			**3290.0**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	1608.0	-0.59	-948.7					1608.0	-0.59		-948.7	

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 49, Sub: Cannon Creek, Plat: , Lake City, FL, 32055-** PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**15733.5**	**Winter As-Built Points:**						**17688.6**
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
15733.5	**0.6274**	**9871.2**	17688.6 **17688.6**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.461 **0.461**	1.000 **1.000**	9473.1 **9473.1**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 49, Sub: Cannon Creek, Plat: , Lake City, FL, 32055-** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3		2746.00	8238.0	50.0	0.95	3		1.00	2543.66	1.00	7631.0
				As-Built Total:							**7631.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
9227	**9871**	**8238**	**27336**	**6551**	**9473**	**7631**	**23655**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 49, Sub: Cannon Creek, Plat: , Lake City, FL, 32055-** 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* = 84.3

The higher the score, the more efficient the home.

Trent Giebeig, Lot: 49, Sub: Cannon Creek, Plat: , Lake City, FL, 32055-

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1608 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear - single pane	157.0 ft²	0.0 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, 175.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Face Brick, Wood, Exterior		R=13.0, 879.4 ft²	
b. Frame, Wood, Adjacent		R=13.0, 160.0 ft²	
c. Frame, Wood, Exterior		R=13.0, 421.3 ft²	
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1614.7 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 53.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 24.0 kBtu/hr	
	SEER: 12.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 24.0 kBtu/hr	
	HSPF: 7.40	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.95	
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.*

Residential System Sizing Calculation

Summary

Trent Giebeig

Lake City, FL 32055-

Project Title:
Lot 49 Cannon Creek

Code Only
Professional Version
Climate: North

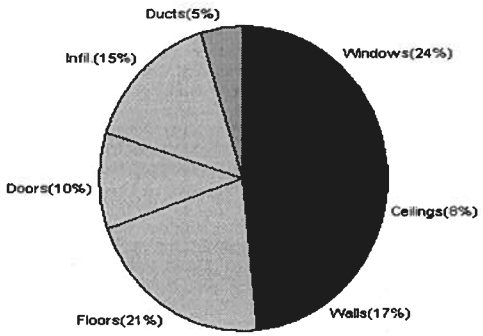
11/21/2006

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	98	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	23	F
Total heating load calculation	**25864**	**Btuh**	**Total cooling load calculation**	**25268**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	92.8	24000	Sensible (SHR = 0.5)	56.8	12000
Heat Pump + Auxiliary(0.0kW)	92.8	24000	Latent	289.1	12000
			Total (Electric Heat Pump)	95.0	24000

WINTER CALCULATIONS

Winter Heating Load (for 1608 sqft)

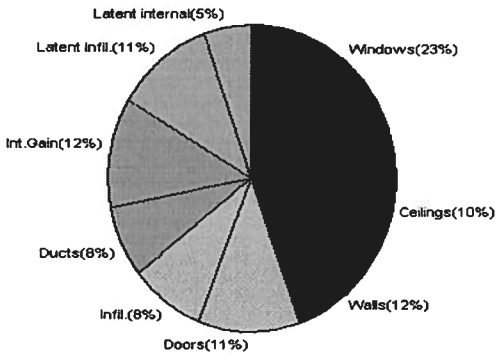
Load component			Load	
Window total	157	sqft	6123	Btuh
Wall total	1461	sqft	4288	Btuh
Door total	235	sqft	2676	Btuh
Ceiling total	1615	sqft	2099	Btuh
Floor total	175	ft	5530	Btuh
Infiltration	91	cfm	3917	Btuh
Subtotal			**24633**	**Btuh**
Duct loss			1232	Btuh
TOTAL HEAT LOSS			**25864**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1608 sqft)

Load component			Load	
Window total	157	sqft	5754	Btuh
Wall total	1461	sqft	3014	Btuh
Door total	235	sqft	2889	Btuh
Ceiling total	1615	sqft	2519	Btuh
Floor total			0	Btuh
Infiltration	80	cfm	2021	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			**19198**	**Btuh**
Duct gain			1920	Btuh
Total sensible gain			**21117**	**Btuh**
Latent gain(infiltration)			2771	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**4151**	**Btuh**
TOTAL HEAT GAIN			**25268**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: _____

DATE: _____

System Sizing Calculations - Winter

Residential Load - Component Details

Trent Giebeig

Lake City, FL 32055-

Project Title:
Lot 49 Cannon Creek

Code Only
Professional Version
Climate: North

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

11/21/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	1, Clear, TIM, 1.00	N	15.0	39.0	585 Btuh
2	1, Clear, TIM, 1.00	N	20.0	39.0	780 Btuh
3	1, Clear, TIM, 1.00	N	25.0	39.0	975 Btuh
4	1, Clear, TIM, 1.00	E	5.0	39.0	195 Btuh
5	1, Clear, TIM, 1.00	E	8.0	39.0	312 Btuh
6	1, Clear, TIM, 1.00	S	30.0	39.0	1170 Btuh
7	1, Clear, TIM, 1.00	S	30.0	39.0	1170 Btuh
8	1, Clear, TIM, 1.00	S	24.0	39.0	936 Btuh
	Window Total		157		6123 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	879	3.1	2726 Btuh
2	Frame - Adjacent	13.0	160	1.6	256 Btuh
3	Frame - Exterior	13.0	421	3.1	1306 Btuh
	Wall Total		1461		4288 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		34	17.9	610 Btuh
2	Wood - Adjac		106	9.2	976 Btuh
3	Wood - Adjac		57	9.2	526 Btuh
4	Wood - Adjac		14	9.2	125 Btuh
5	Wood - Exter		24	17.9	439 Btuh
	Door Total		235		2676Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1615	1.3	2099 Btuh
	Ceiling Total		1615		2099Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	175.0 ft(p)	31.6	5530 Btuh
	Floor Total		175		5530 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	13668(sqft)	91	3917 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			91	3917 Btuh

Totals for Heating	**Subtotal**	**24633 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1232 Btuh**
	Total Btuh Loss	**25864 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Trent Giebeig

Lake City, FL 32055-

Project Title:
Lot 49 Cannon Creek

Code Only
Professional Version
Climate: North

11/21/2006

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

Trent Giebeig

Lake City, FL 32055-

Project Title:
Lot 49 Cannon Creek

Code Only
Professional Version
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 11/21/2006

Window	Type Panes/SHGC/U/InSh/ExSh Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	1, Clear, 1.00, N, N N	1.5	6	15.0	0.0	15.0	33	33	495 Btuh
2	1, Clear, 1.00, N, N N	1.5	6	20.0	0.0	20.0	33	33	660 Btuh
3	1, Clear, 1.00, N, N N	1.5	6	25.0	0.0	25.0	33	33	825 Btuh
4	1, Clear, 1.00, N, N E	1.5	2	5.0	3.1	1.9	33	91	274 Btuh
5	1, Clear, 1.00, N, N E	1.5	5	8.0	0.0	8.0	33	91	728 Btuh
6	1, Clear, 1.00, N, N S	1.5	6	30.0	30.0	0.0	33	50	990 Btuh
7	1, Clear, 1.00, N, N S	1.5	7	30.0	30.0	0.0	33	50	990 Btuh
8	1, Clear, 1.00, N, N S	1.5	7	24.0	24.0	0.0	33	50	792 Btuh
	Window Total			157					5754 Btuh

Walls	Type	R-Value	Area	HTM	Load
1	Frame - Exterior	13.0	879.4	2.1	1882 Btuh
2	Frame - Adjacent	13.0	160.0	1.4	230 Btuh
3	Frame - Exterior	13.0	421.3	2.1	902 Btuh
	Wall Total		1460.6		3014 Btuh

Doors	Type	Area	HTM	Load
1	Wood - Exter	34.0	12.3	418 Btuh
2	Wood - Adjac	106.1	12.3	1303 Btuh
3	Wood - Adjac	57.1	12.3	701 Btuh
4	Wood - Adjac	13.6	12.3	167 Btuh
5	Wood - Exter	24.5	12.3	301 Btuh
	Door Total	235.3		2889 Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load
1	Under Attic/Dark	30.0	1614.7	1.6	2519 Btuh
	Ceiling Total		1614.7		2519 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab-On-Grade Edge Insulation	0.0	175.0 ft(p)	0.0	0 Btuh
	Floor Total		175.0		0 Btuh

Infiltration	Type	ACH	Volume	CFM=	Load
	Natural	0.35	13668	79.9	2021 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			80	2021 Btuh

Internal gain		Occupants		Btuh/occupant		Appliance	Load
		6	X	300	+	1200	3000 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Trent Giebeig

Lake City, FL 32055-

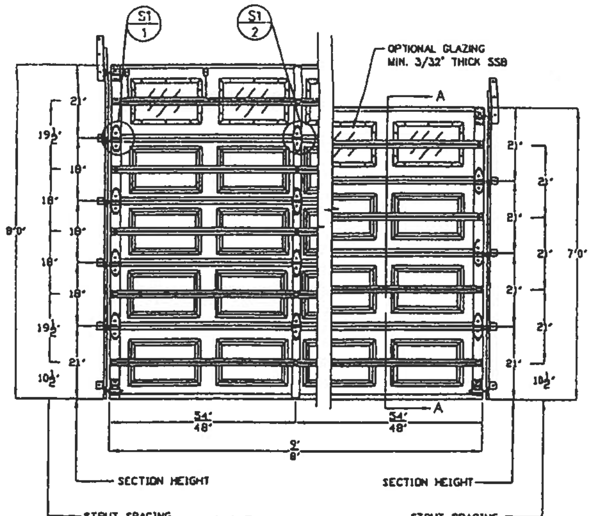
Project Title:
Lot 49 Cannon Creek

Code Only
Professional Version
Climate: North

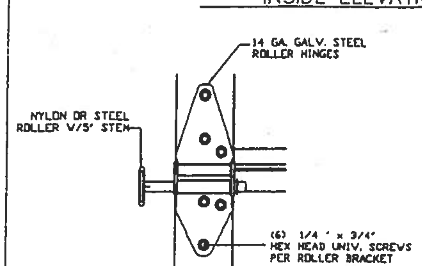
11/21/2006

Totals for Cooling	**Subtotal**	**19198**	**Btuh**
	Duct gain(using duct multiplier of 0.10)	**1920**	**Btuh**
	Total sensible gain	**21117**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**2771**	**Btuh**
	Latent occupant gain (6 people @ 230 Btuh per person)	**1380**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**25268**	**Btuh**

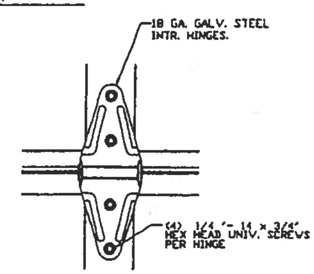
Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass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



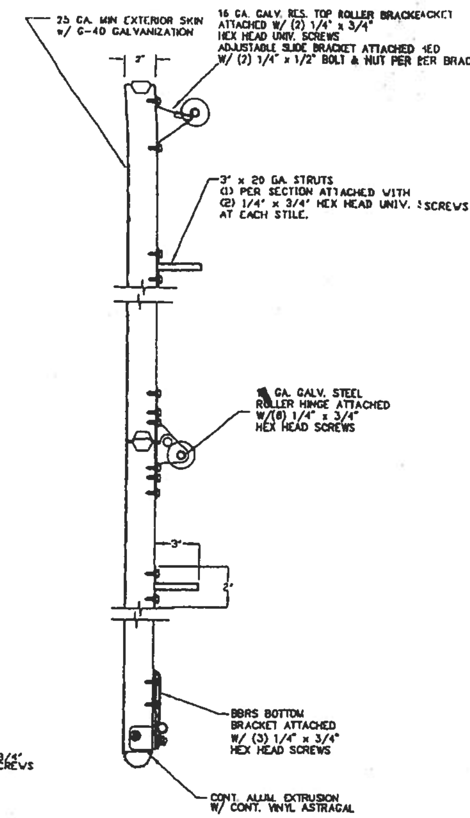
INSIDE ELEVATION



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



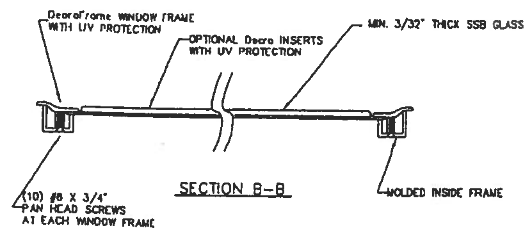
TYP. HINGE CONNECTION (S1/2)
N.T.S.



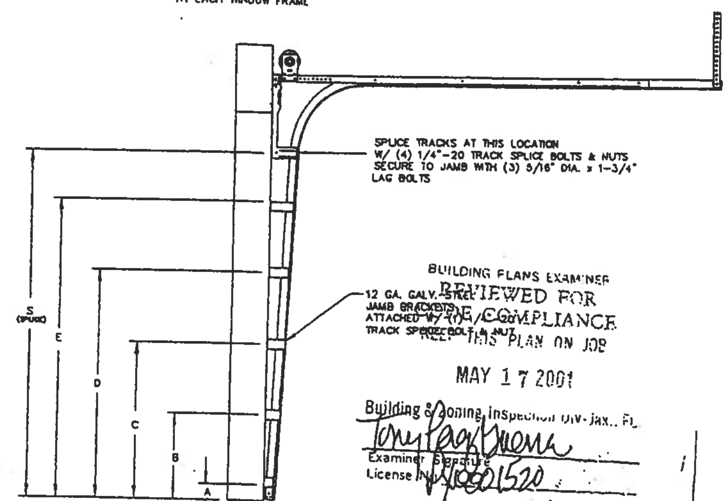
SECTION A–A (SIDE VIEW)

GLAZING OPTION CROSS SECTION

TEST No. SBC-580-011 ON OCTOBER 12, 1995 INCLUDED GLASS WINDOWS IN THE DOOR BEING USED. THE TEST PRESSURES WERE +48.4 PSF AND -54.7 PSF. BY COMPARISON, FOUR (4) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OF THE 9' X 7' AND 9' X 8' MODEL 600 AND 850 DOORS.



SECTION B–B



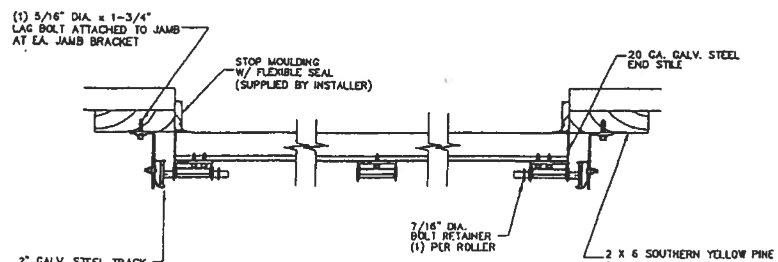
TRACK CONFIGURATION FOR 6'6" UP TO 8' TALL DOORS

JAMB BRACKET LOCATIONS

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

SPECIFICATIONS AND NOTES

1. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
2. DOOR SECTIONS SHALL BE 25 GA. (.019") MIN. ROLL FORMED LIGHT COMMERCIAL QUALITY. G-40 GALVANIZATION.
3. DOORS UPTO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN.
4. DOORS UPTO 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 6 FEET OF DOORS WIDTH INSIDE THE EDGE STRIP.
   C. 15' MEAN ROOF HEIGHT AT ANY SLOPE
   D. USE FACTOR OF 1.0
   E. EXPOSURE RATING OF C



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 6" FROM ENDS THEN 24" O.C.

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

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

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

MAX SIZE 9' 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 #850 HERITAGE III

SBC-580-007-J

6/19/01

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

Outswing

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)

Therma-Tru Corporation
1687 Woodlands Drive
Maumee, Ohio 43537

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: "Classic Craft" 8'0 Outswing Opaque Fiberglass Door w & w/o Sidelites

APPROVAL DOCUMENT: Drawing No. **S-2162**, titled "Classic Craft Opaque" Single & Double Outswing 8'0 Fiberglass Door, sheets 1 through 7, prepared by RW Building Consultants, Inc., dated 11/10/01, with revision #2 dated 5/27/02, 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: None

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 **Manuel Perez, P.E.**

PRODUCT CONTROL ACCEPTED

OTES
) MEET THE FLORIDA

ST BE ANCHORED PROPERLY
STRUCTURE.

AS LISTED AND SPACED AS
EMBEDMENT TO BASE MATERIAL
SING OR STUCCO.

EE TABLE SHEET 1.

ER REQUIREMENTS FOR
" WITH USE OF HIGH DAM

IN AREAS REQUIRING WIND
ORIDA BUILDING CODE
SHUTTERS ARE REQUIRED.

CAN BE USED IN A
ITION.

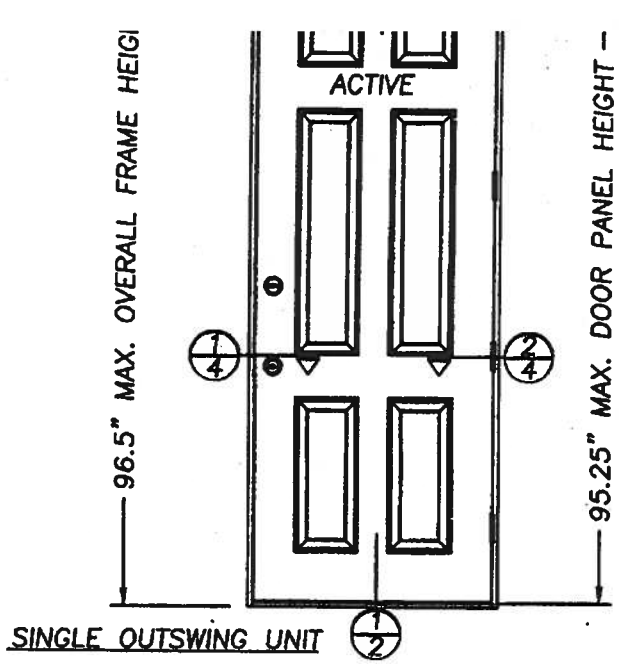
FIBERGLASS DOOR
ne conditions)

5" minimum thickness,
) psi
core,

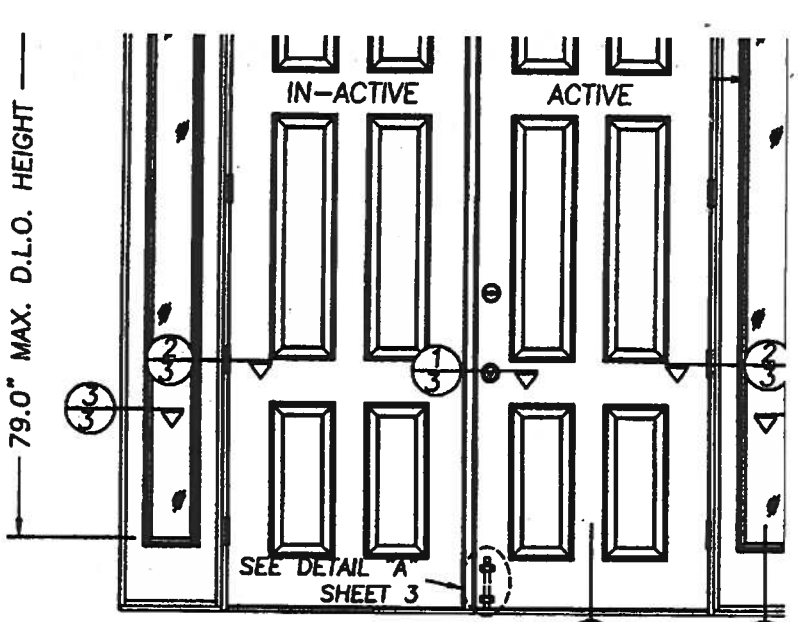
n is constructed from a
nd (SMC). The interior cavity
F polyurethane foam. The
he wood stiles and rails.
L or LSL. The latch stile
itch reinforcement. The top
omposite material. In the
ve door is fitted with an
6060-T6 alloy.

cted from finger jointed pine. The
3) #8 x 2 1/2" long Phillips flathead
red together in a sidelite application
screws per each mullion. The units
a Low Profile or High Water Dam type.

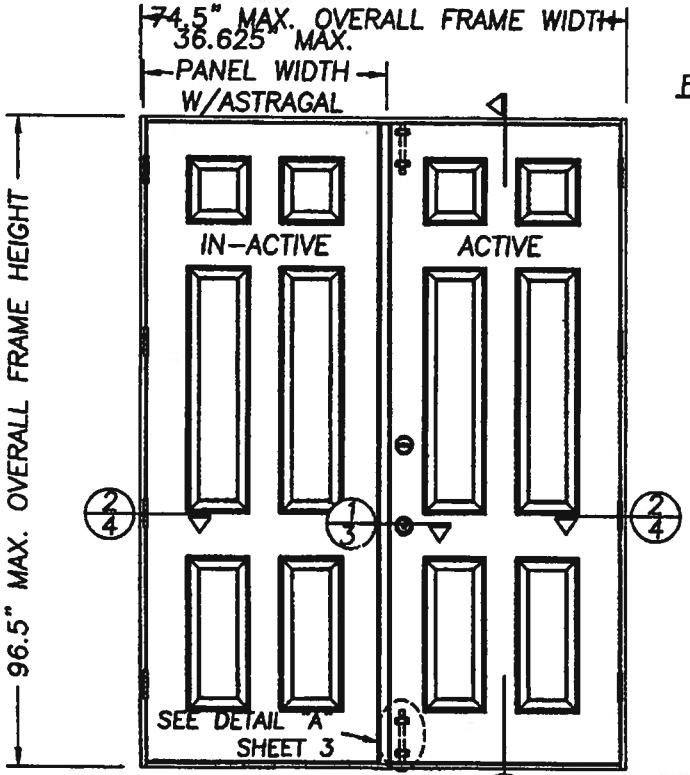
indwich glazed using a two piece
exterior with an 1/8" thk. cellular
Silicon Compound. The lite frames are
lascrew or a #6-18 1 3/4" long



SINGLE OUTSWING UNIT

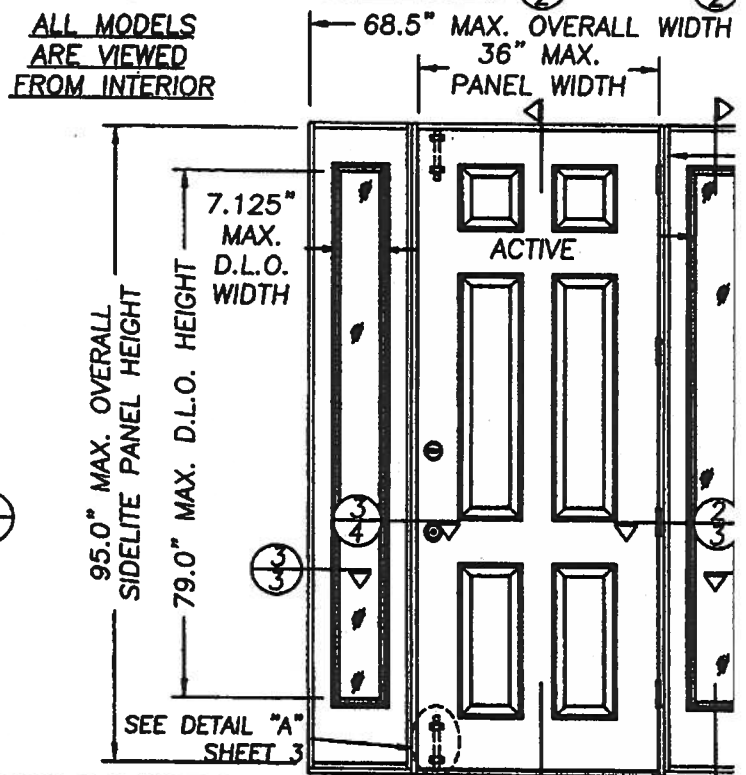


DOUBLE W/SIDELITES OUTSWING UNIT



DOUBLE OUTSWING UNIT

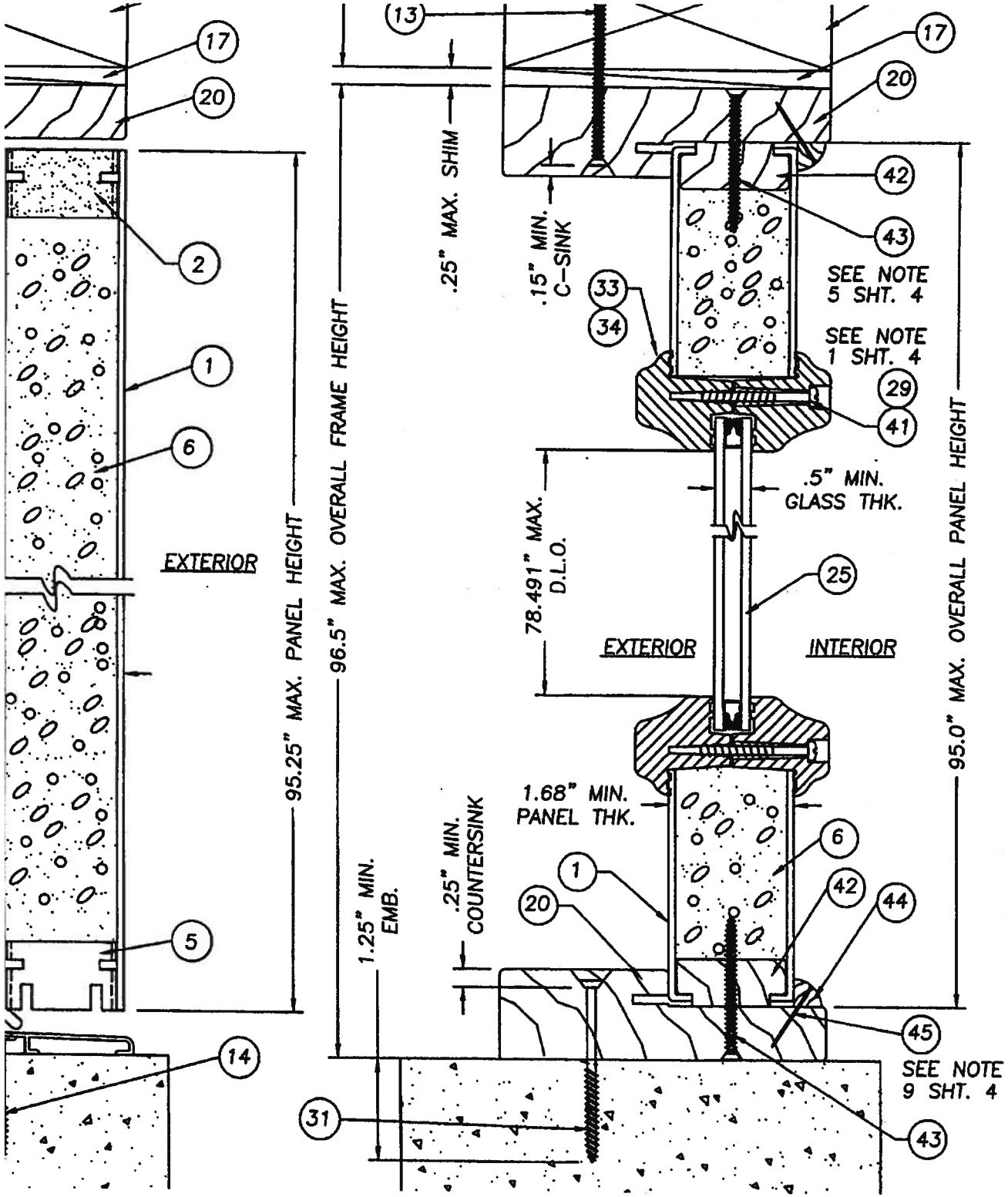
ALL MODELS ARE VIEWED FROM INTERIOR



SINGLE W/SIDELITES OUTSWING UNIT

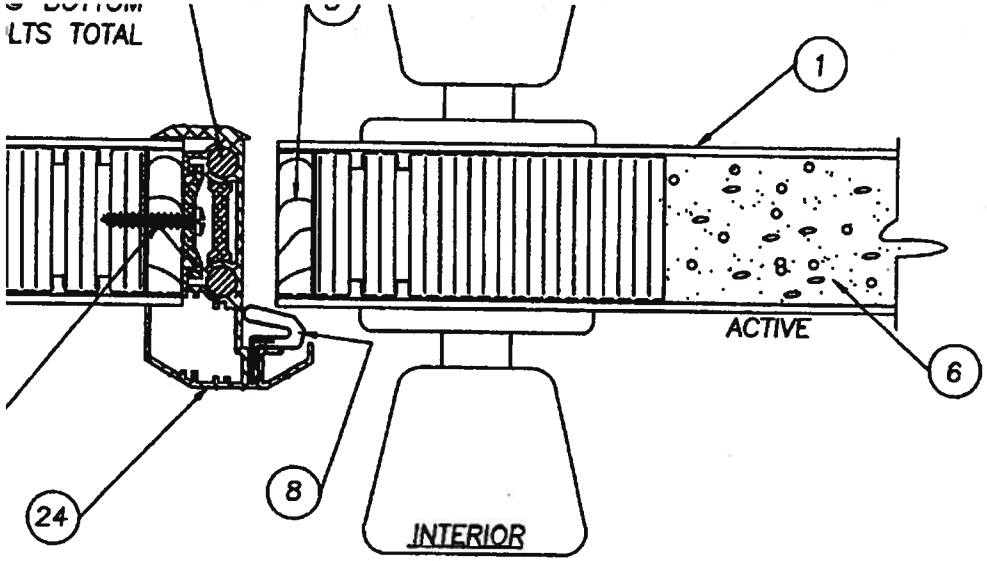
DESIGN PRESSURE RATING
WHERE WATER INFILTRATION IS REQUIRED

A1

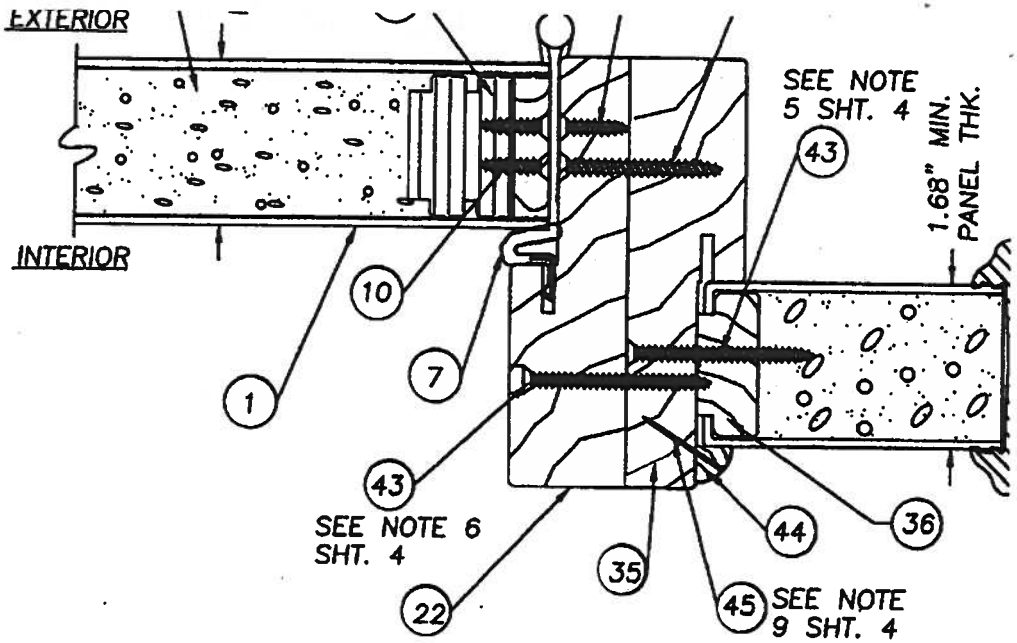


4	HINGE STILE (THERMA-TRU, LVL OR LSL & OAK 1.50" x
5	BOTTOM RAIL (1.50" x .94" THERMA-TRU WOOD COMPOSI
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSITY)
7	SHORT REACH COMPRESSION WEATHERSTRIP (THERMA-TRU
8	LONG REACH COMPRESSION WEATHERSTRIP (THERMA-TRU)
9	4" x 4" HINGE .097" THK. (THERMA-TRU)
10	#10 x 3/4" lg. PFH WOOD SCREW (Hinge to Frame)
11	NOT USED
12	#10 x 2" LG. PFH WOOD SCREW
13	#8 x 2 1/2" LG. PFH WOOD SCREW
14	3/16" TAPCON ANCHOR (ELCO)
15	NOT USED
16	2x INNER WOOD BUCK
17	MAX. 1/4" SHIM MATERIAL
18	KWIKSET TITAN 700 SERIES PASSAGE LOCK
19	ONE PIECE BUMP FACE THRESHOLD (THERMA-TRU) (NOT FOR USE IN "HIGH VELOCITY HURRICANE ZONES"
20	HEADER 4.656" x 1.211" (THERMA-TRU, PINE)
21	4.563" x 1.25" STRIKE JAMB (THERMA-TRU, PINE)
22	4.563" x 1.25" HINGE JAMB (THERMA-TRU, PINE)
23	KWIKSET TITAN 700 SERIES DEADBOLT
24	ASTRAGAL WINDJAMBER II WR80T (.052" WALL)
25	GLAZING, 1/2" INSULATED TEMPERED GLASS
26	NOT USED
27	#8 x 1" LG. PANHEAD SHEET METAL SCREW
28	NOT USED
29	#6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW (FOR ITEM
30	NOT USED
31	3/16" TAPCON ANCHOR (ELCO, 2.5" MIN. LG.)
32	1/8 THK. CELLULAR GLAZING TAPE (STIK-II TAPE)
33	PLASTIC LIP LITE FRAME (PVC, THERMA-TRU)
34	PLASTIC LIP LITE FRAME (SMC THERMA-TRU)
35	4.656" x 1.211" BLANK JAMB (THERMA-TRU, PINE)
36	SIDELITE SIDE STILE (THERMA-TRU, 1.531" x .656" PINE)
37	#10 x 1 3/4" LG. PFH WOOD SCREW
38	SS. LATCH STILE (THERMA-TRU, WOOD COMPOSITE 1.531" x
39	HIGH WATER DAM THRESHOLD (USE IS REQUIRED IN "HIGH VELOCITY HURRICANE ZONES
40	SILICONE CAULK (DOW 795)
41	#8-10 x 1 1/2" PLASCREW (FOR ITEM #34)
42	SIDELITE TOP & BOTTOM RAIL (THERMA-TRU, 1.531" x .656"
43	#8 x 2" LG. PFH WOOD SCREW
44	3/8" x 3/8" QUARTER ROUND FINGER JOINTED PINE
45	1" L. x .040" DIA. BRAD TRIM NAIL
46	IVES SURFACE BOLT #454 8.0" L. x .25" THK. STEEL
47	1/4-20 SEX BOLT W/1/4-20 FEMALE END x 1 3/4" L.

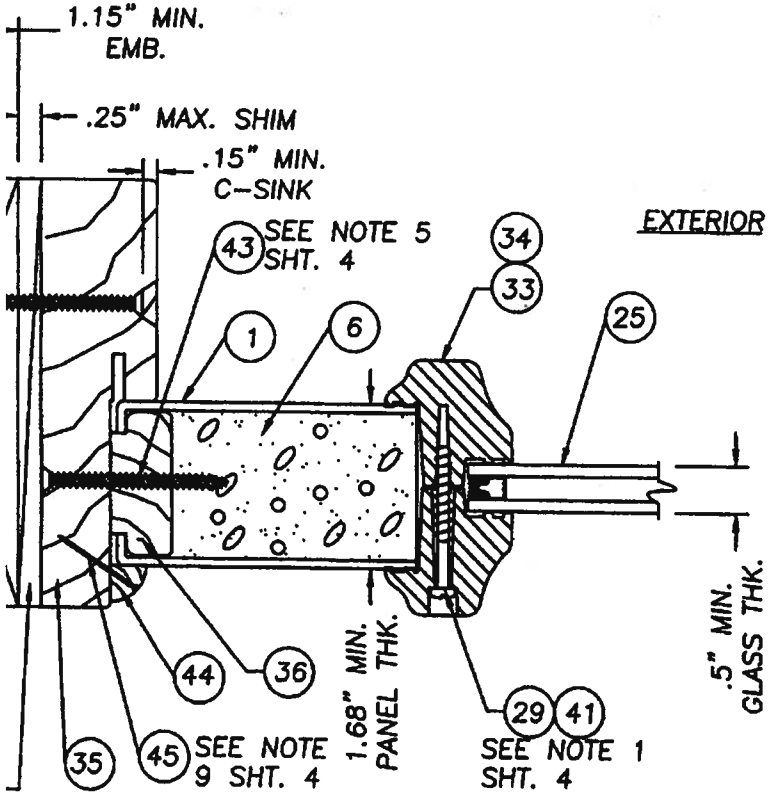
Anar

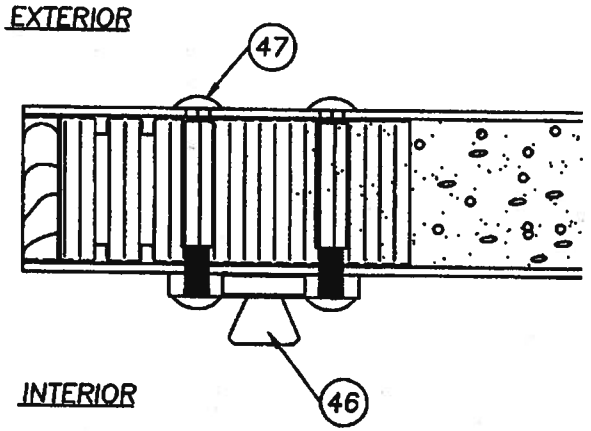


1/3 HORIZONTAL CROSS SECTION
@ ASTRAGAL
(SEE DESIGN PRESSURE RATE CHART)

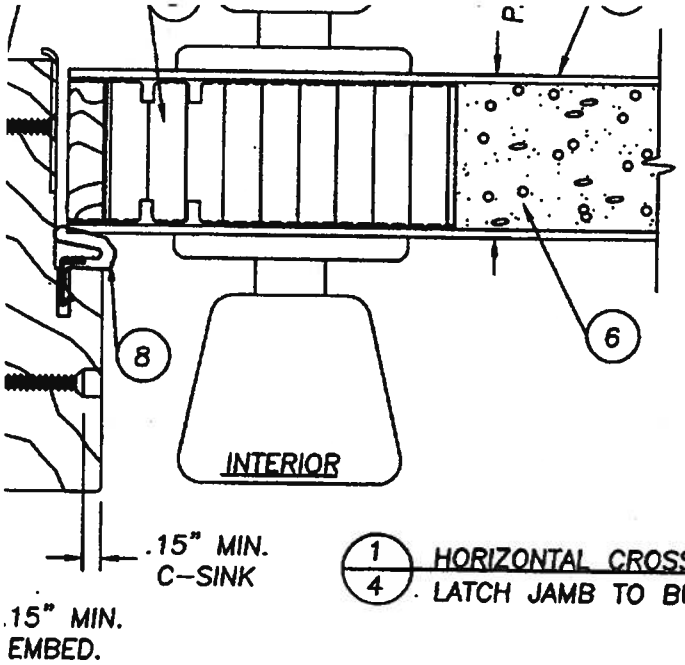


2/3 HORIZONTAL CROSS SI
@ HINGE JAMB TO SIL

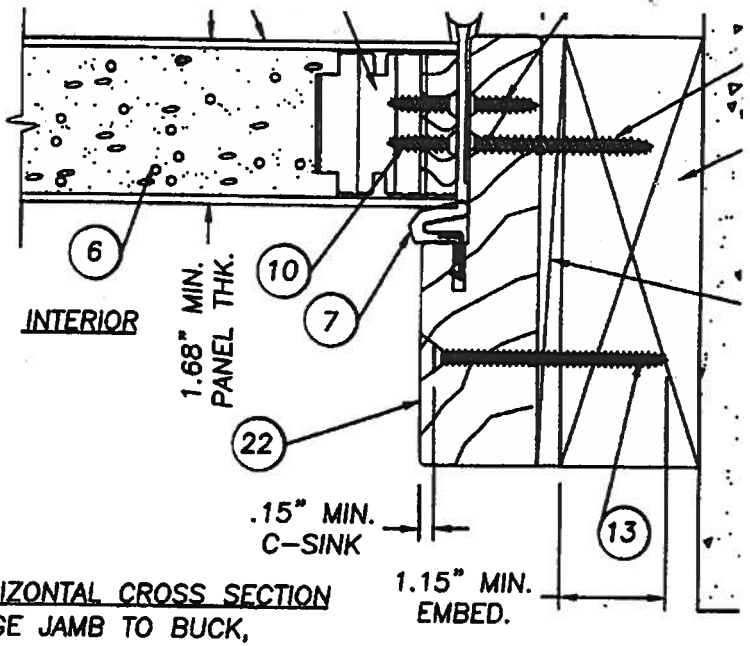




DETAIL "A"
OPTIONAL SURFACE BOLTS IN ACTIVE
(SEE DESIGN PRESSURE CHART)



1/4 HORIZONTAL CROSS SECTION
LATCH JAMB TO BUCK,

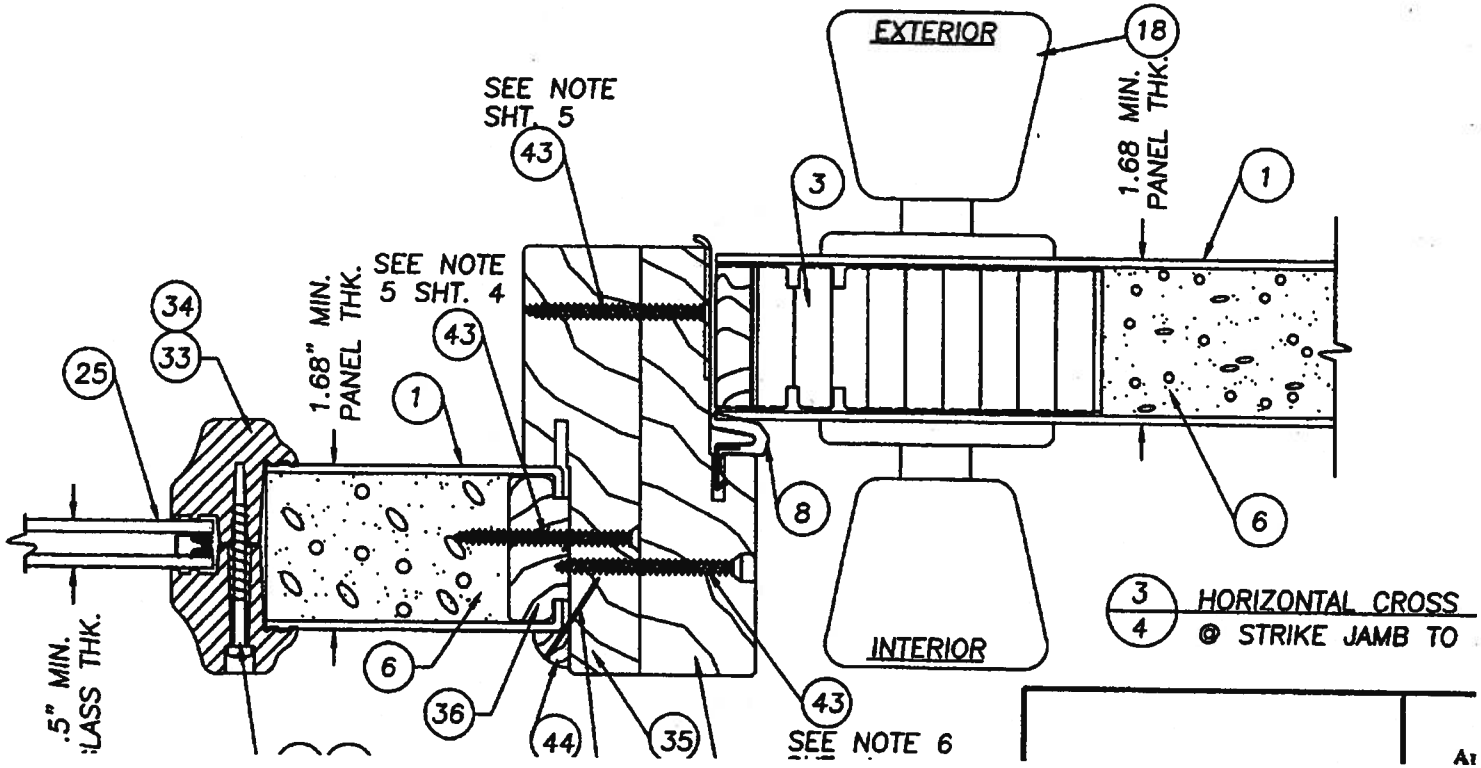


2/4 HORIZONTAL CROSS SECTION
HINGE JAMB TO BUCK,

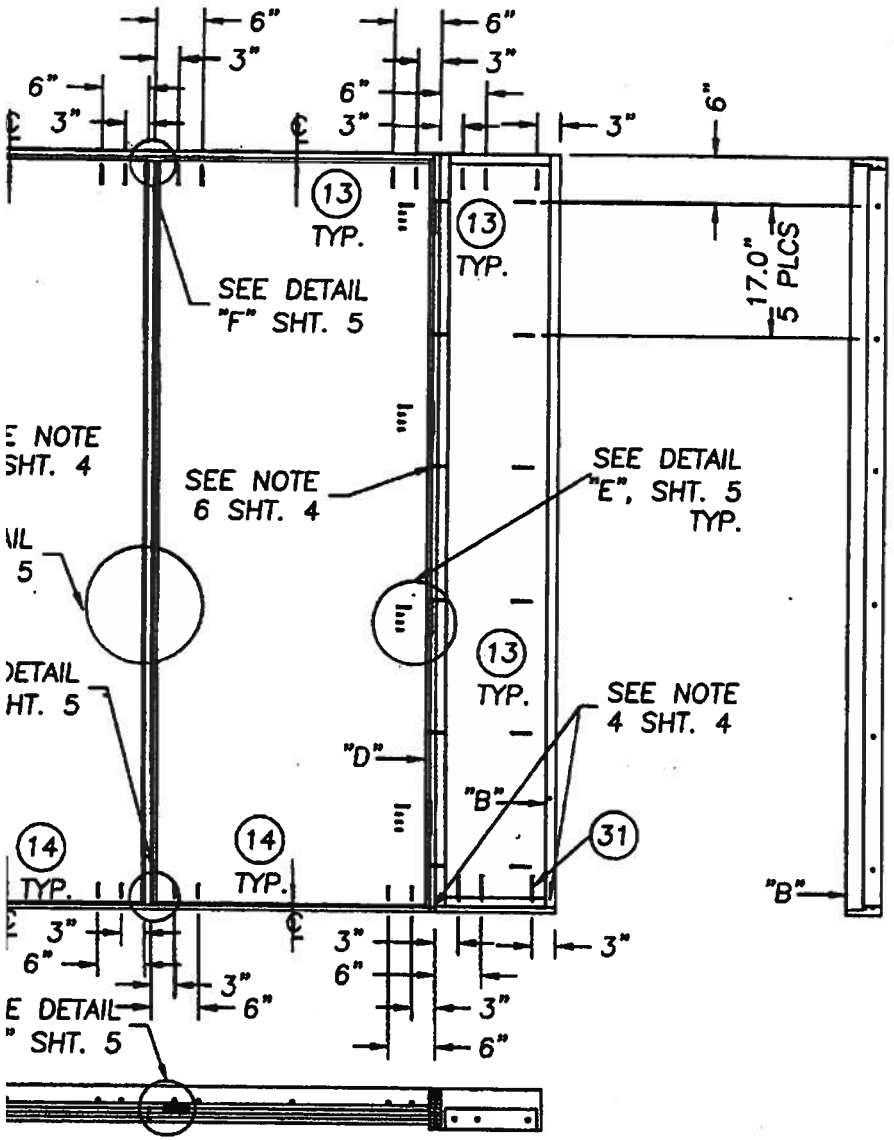
CREWS) IS AS FOLLOWS: FROM
6.5", WITH (7) MORE SPACED
(2) SCREW BOTH TOP AND
EACH CORNER.
1" PANHEAD SCREW
THE INACTIVE DOOR IS AS
OWN 1", 3", 5", 18.25", 54"
".
TO THE SIDE JAMBS WITH

TO THE SIDE JAMBS WITH

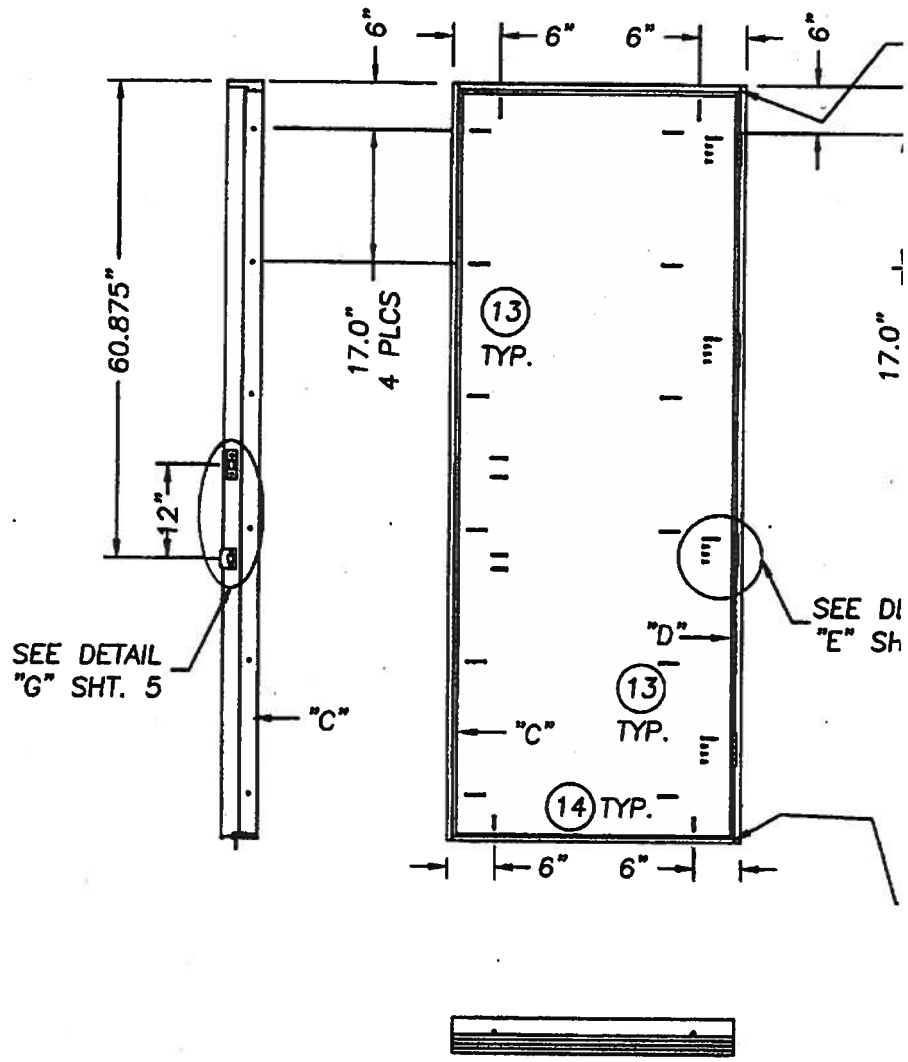
INTO THE JAMB WITH (12)
. THERE ARE (4) AT
THE TOP DOWN AT 13.5",
(2) AT THE HEADER AT 4"
S OF THE FRAME. THERE ARE
THE OUTSIDE CORNERS.
W SECURING THE MULLIONS
THE PERIMETER ANCHORING
E TOP AND UP FROM THE
CED AT 16.9" O.C.
TO THE JAMB AND THE BUCK
N ATTACHING THE HINGE TO
AT THE MULLION USE ITEM



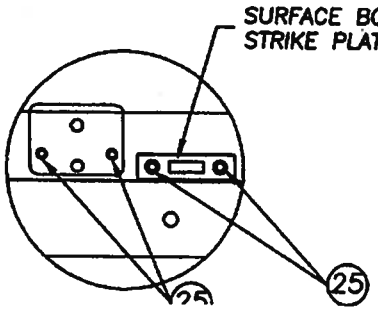
3/4 HORIZONTAL CROSS
@ STRIKE JAMB TO

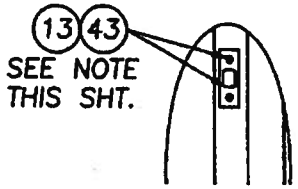


IBLE DOOR W/SIDELITES

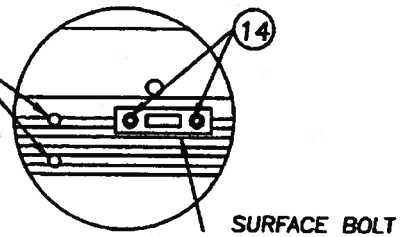


SINGLE DOOR

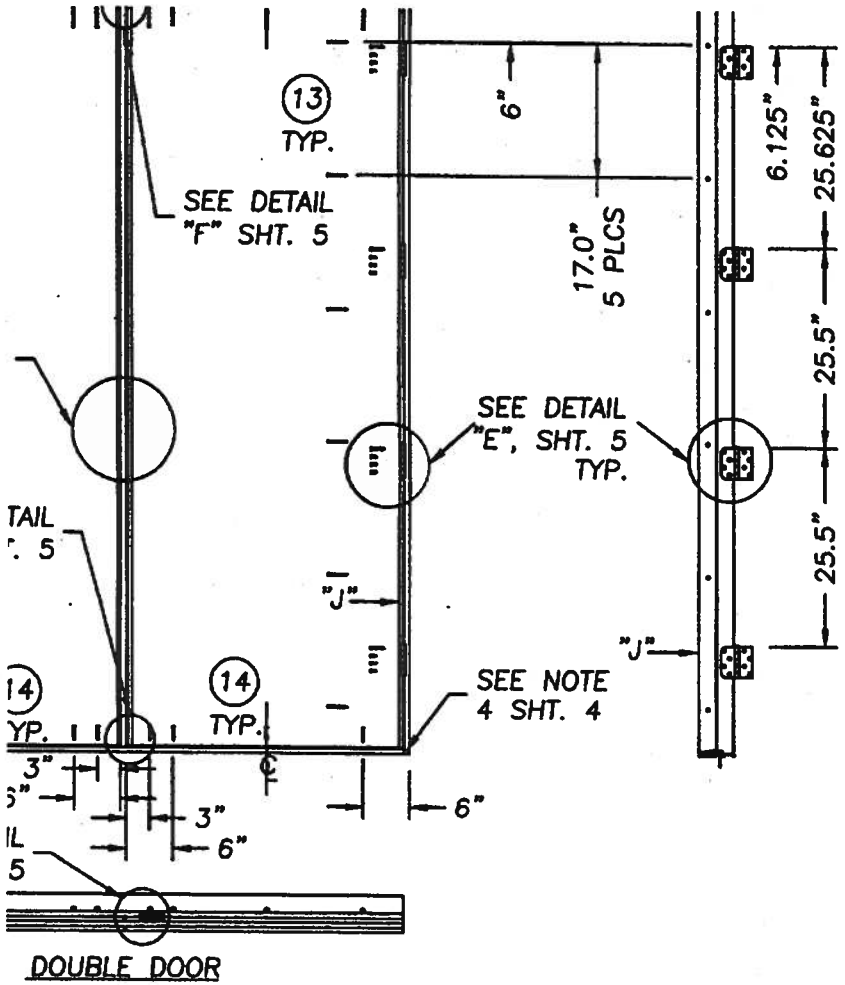




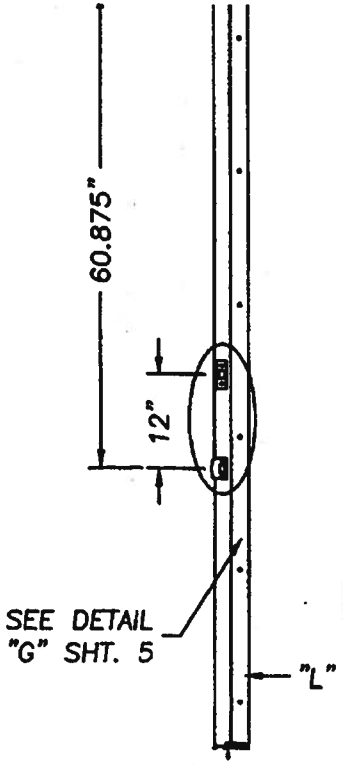
DRILL THRU FOR A ø.357" BOLT DEEP ENOUGH FOR A 2" BOLT THROW

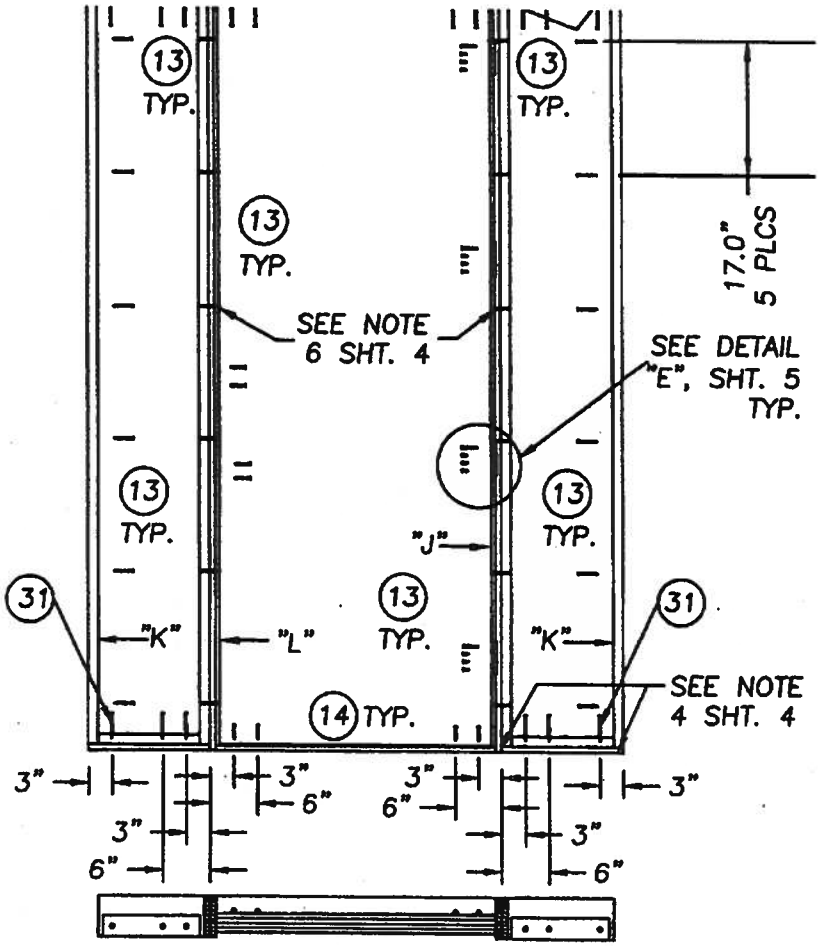


NOTE:
USE #8 x 2 1/2" PFH WOOD SCR
STRIKE AND DEADBOLT PLATES TO
ASTRAGAL EXCEPT IN THE MULLED
THE SIDELITE USE #8 x 2" PFH W

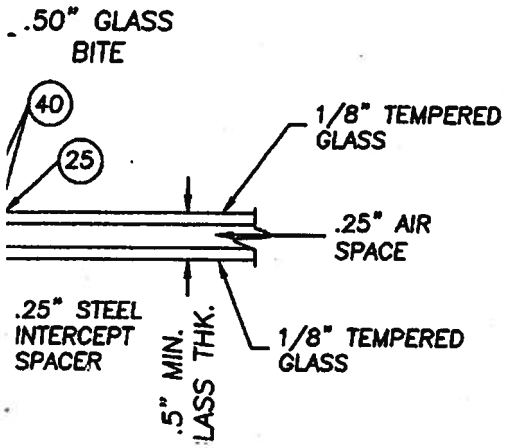


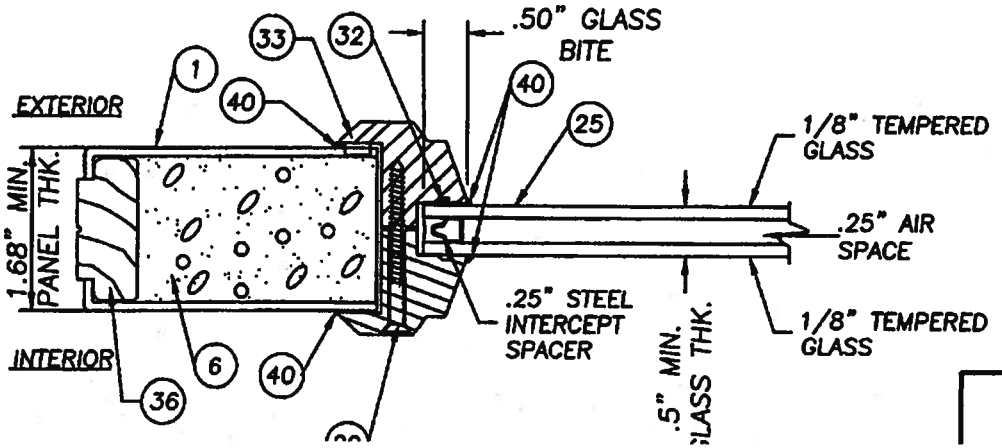
DOUBLE DOOR





SINGLE DOOR W/SIDELITES





.711

E

.246"

HOLD

ZONES"

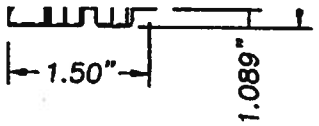
.528"

.03"

.246"

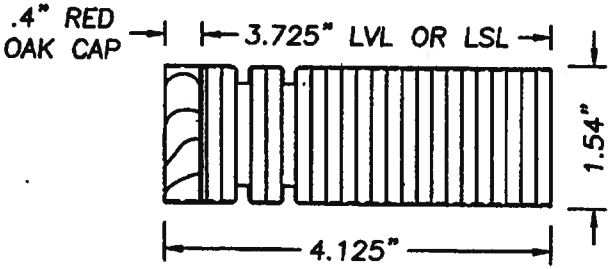
OUTSWING
D THRESHOLD

IE ZONES"

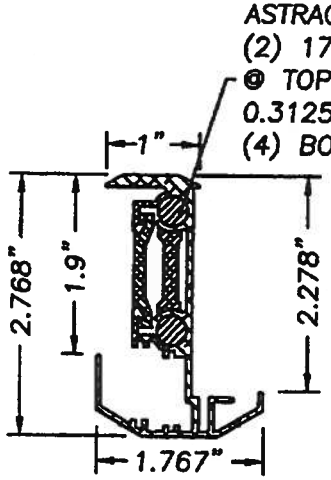


4 HINGE SIDE STILE

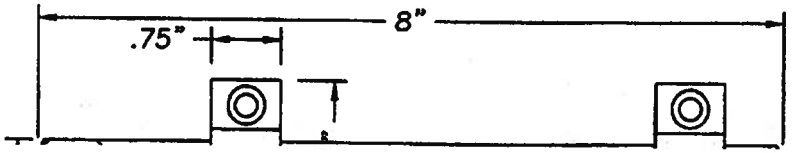
CORE MATERIAL: LVL OR LSL
ALTERNATE CORE MATERIAL: PONDEROSA, RADIATA, PULAI, ELLIOTTII, TAEDA OR SUGAR PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE CEDAR OR REDWOOD.



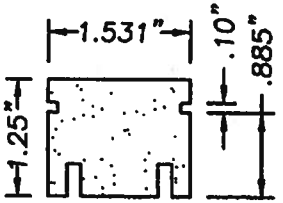
3 LATCH SIDE STILE/ LOCK BLOCK
LVL OR LSL W/ KILN DRIED RED OAK CAP



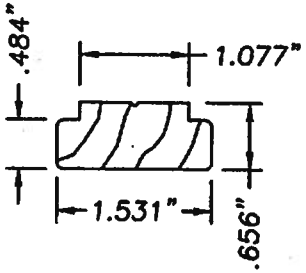
24 WINDJAMBER II WR80T
ASTRAGAL (ALUMINUM .052" WALL TYP.)



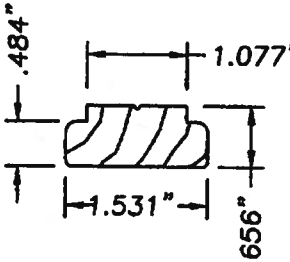
2 TOP RAIL
WOOD COMPOSITE



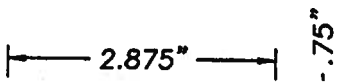
5 BOTTOM RAIL
WOOD COMPOSITE

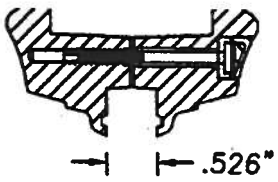


42 SIDELITE TOP & BOTTOM RAIL
FINGER JOINTED PONDEROSA PINE

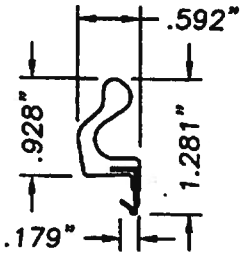


36 SIDELITE BLANK SIDE STILE
FINGER JOINTED PONDEROSA PINE

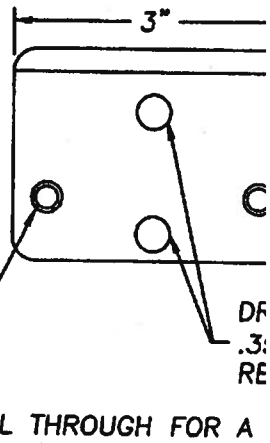




34 PLASTIC LIP LITE FRAME
EXTRUDED SMC



8 LONG REACH
COMPRESSION WEATHERSTRIP
FOAM CELL CORE
W/VINYL JACKET



WINDJAMBER II WR80T

Inswing

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)

Therma-Tru Corporation
1687 Woodlands Drive
Maumee, Ohio 43537

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: "Classic Craft" Opaque Fiberglass Door 8'0 Inswing

APPROVAL DOCUMENT: Drawing No. S-2179, titled "Classic Craft Opaque" Single & Double Inswing 8'0 Fiberglass Door", sheets 1 through 7, prepared by RW Building Consultants, Inc., dated 3/18/02, 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: None

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.

The submitted documentation was reviewed by **Raul Rodriguez**

ET THE SOUTH FLORIDA
MIAMI–DADE COUNTY.
E ANCHORED PROPERLY
CTURE.
ISTED AND SPACED AS
DMENT TO BASE MATERIAL
OR STUCCO.
ABLE PAGE 1.
E WATER REQUIREMENTS

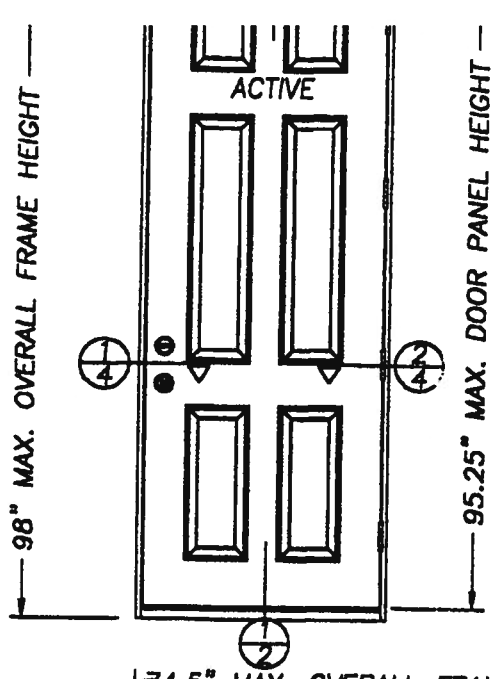
STANT SHUTTERS ARE REQUIRED.
BE USED IN A

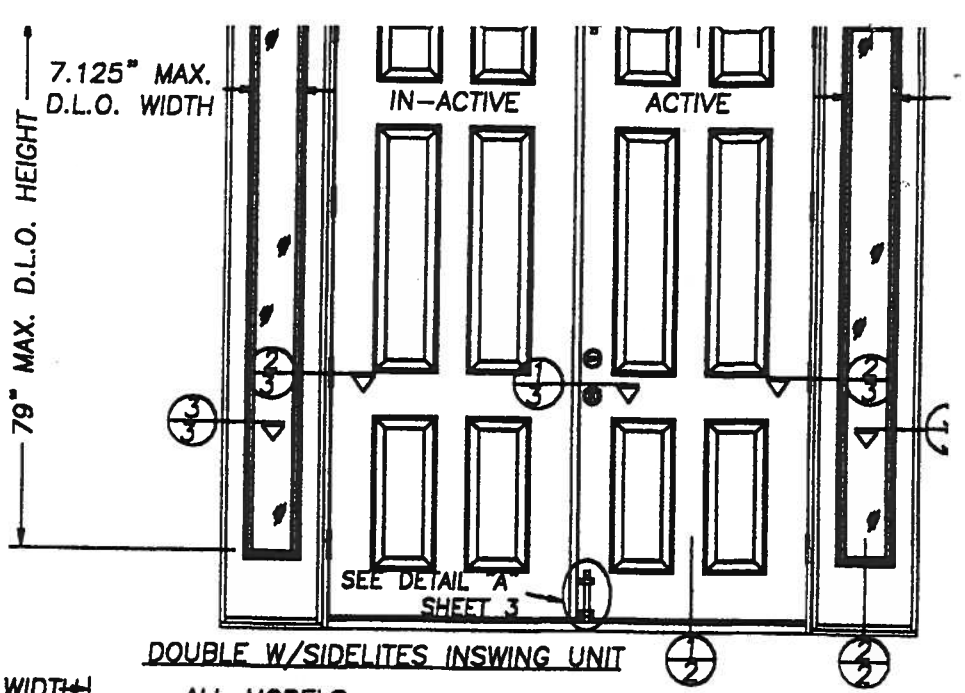
LOCATIONS PROTECTED BY
THE ANGLE BETWEEN THE EDGE
IS LESS THAN 45 DEGREES.
-HABITABLE AREAS WHERE THE
) TO ACCEPT WATER INFILTRATION.

RGLASS DOOR
onditions)

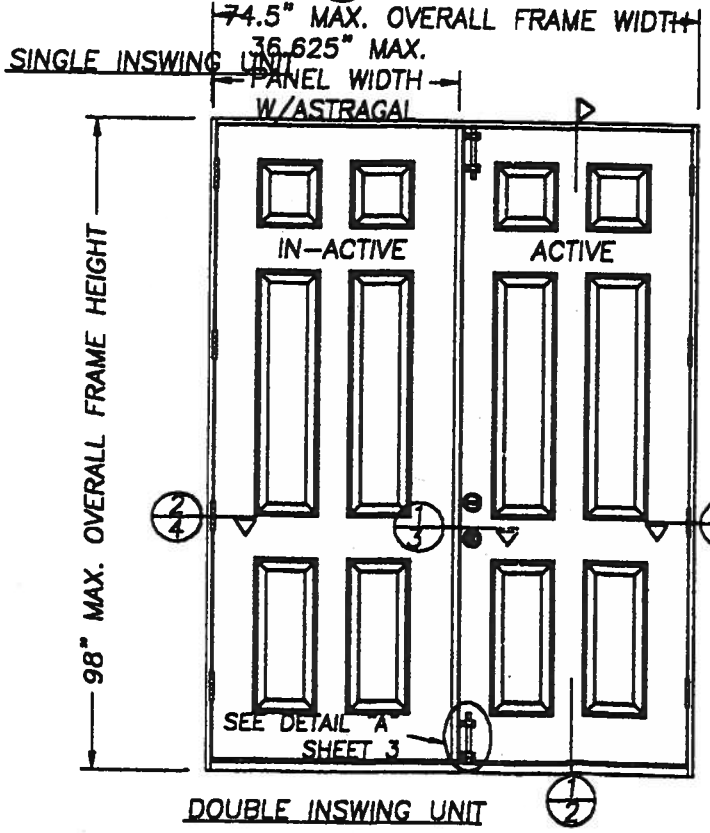
um thickness, with yield strength

1.9 lbs. density by BASF.
tructed from a sheet molding
thk. is filled with 1.9 lbs. density
heets are glued to the wood stiles
VL or LSL. The latch stile which is
The top and bottom rail are of a
or application the inactive door
gal of 6060–T6 alloy.
fed from finger jointed pine. The
) #8 x 2 1/2" long screw at each
a sidelite application using
"per each mullion. The units uses
" x 1.548".
dwich glazed using a two piece lip
l on the exterior with an 1/8"
with Dow 795 silicone compond
e to the sidelite panel & to the
ith a #8 x 1 1/2" long Plascrew



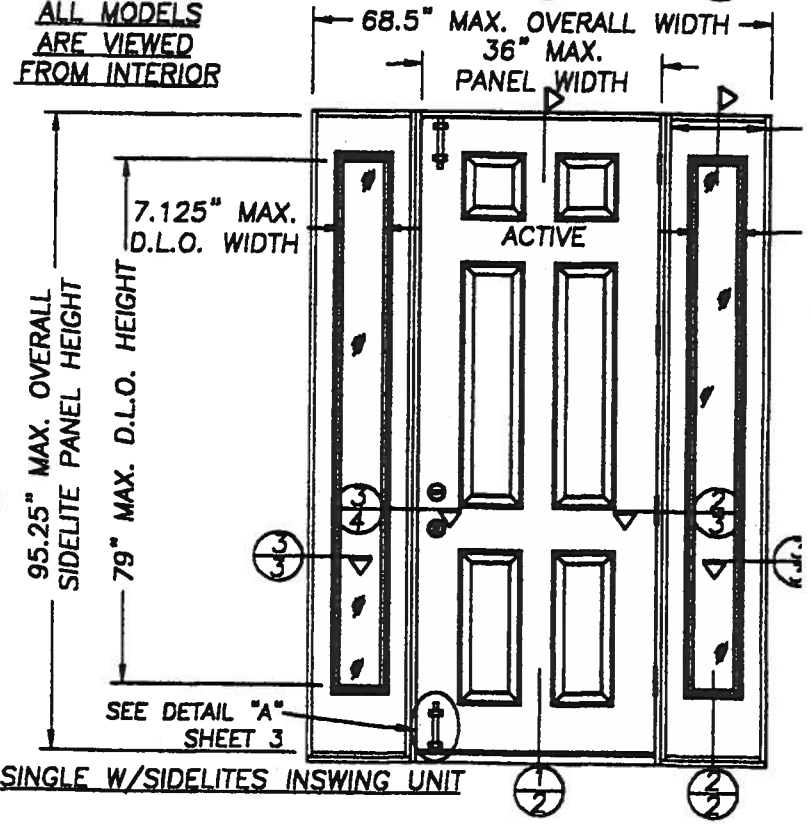


DOUBLE W/SIDELITES INSWING UNIT

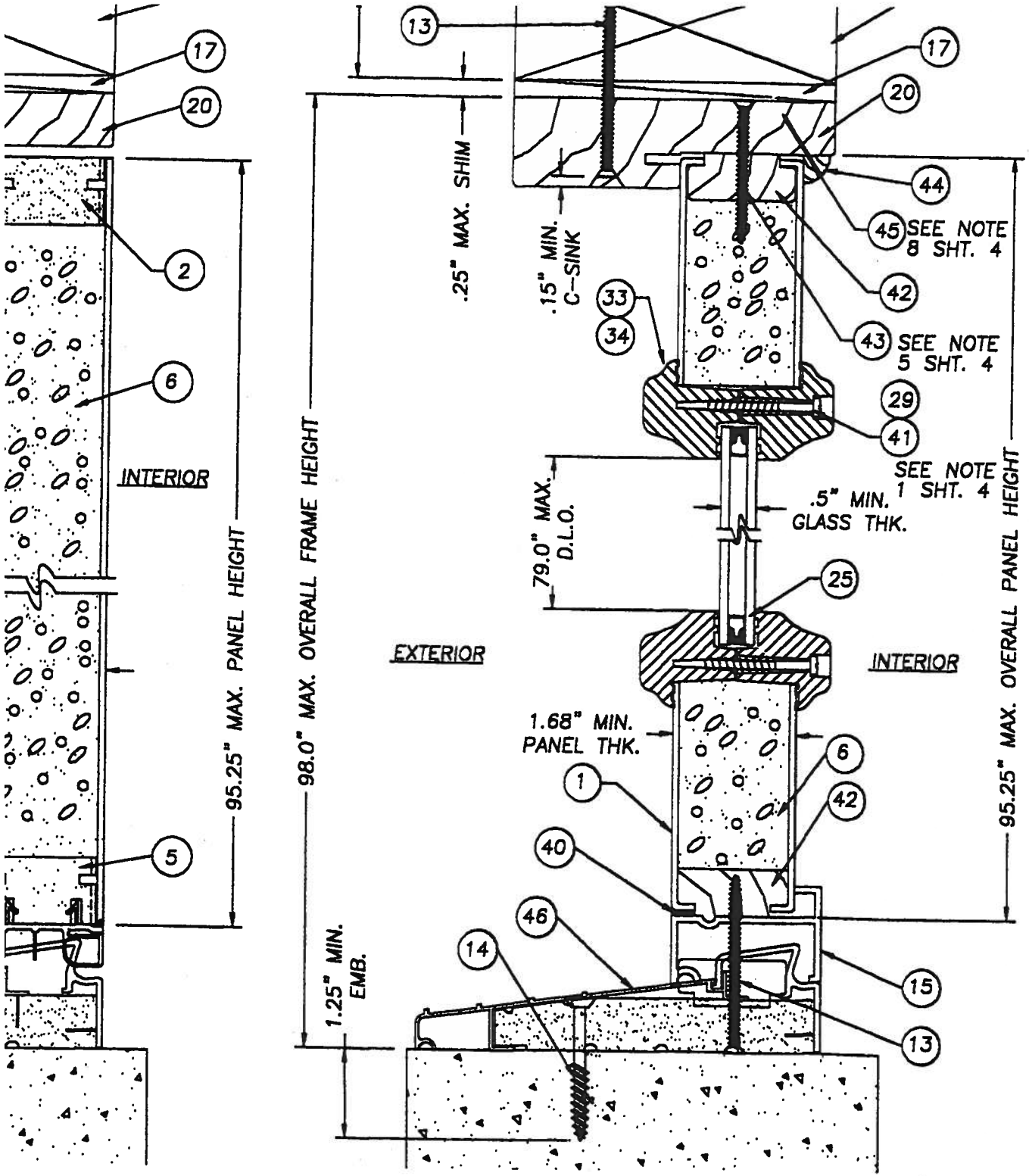


DOUBLE INSWING UNIT

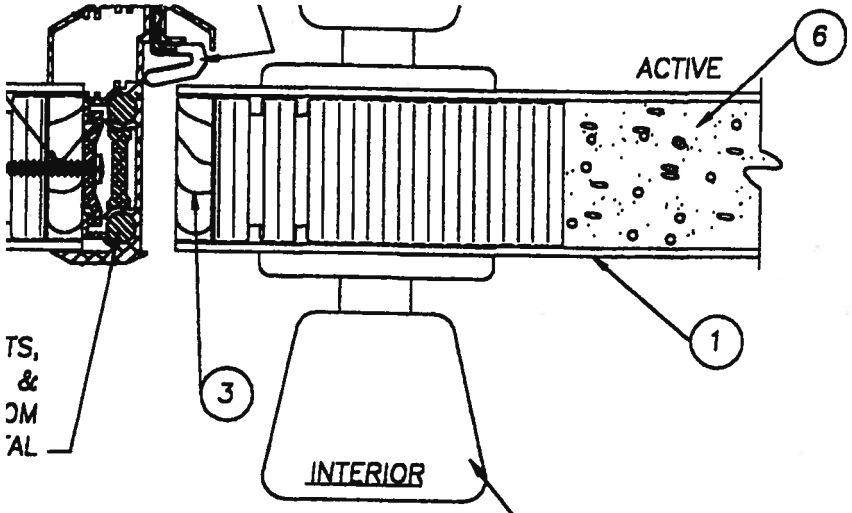
ALL MODELS
ARE VIEWED
FROM INTERIOR



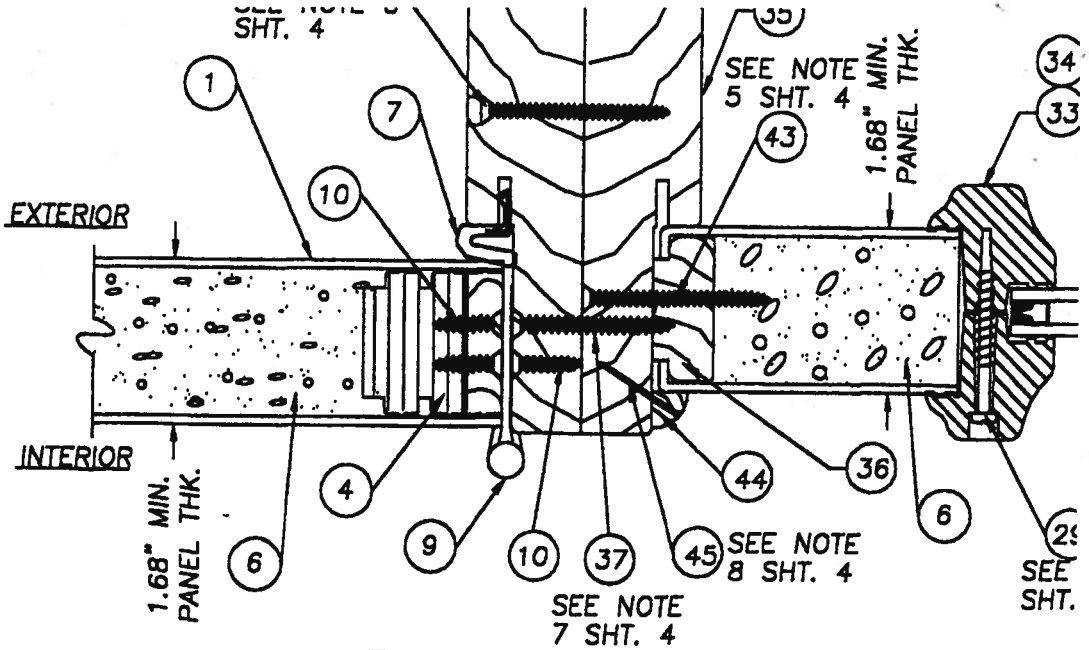
SINGLE W/SIDELITES INSWING UNIT



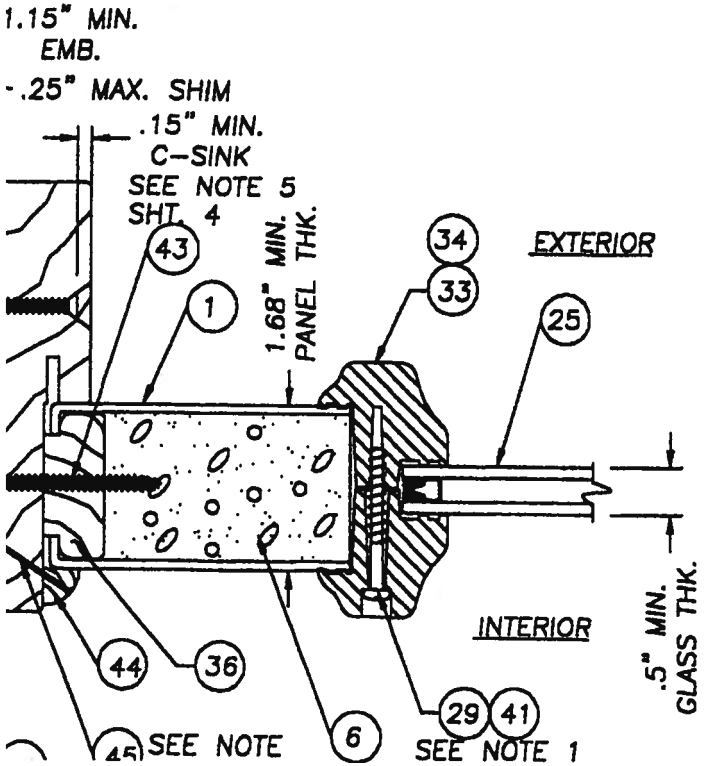
3	LATCH STILE/LOCK BLOCK (THERMA-TRU, LVL OR LSL & OAK 1.50" x 4
4	HINGE STILE (THERMA-TRU, LVL OR LSL & OAK 1.50" x 1.50")
5	BOTTOM RAIL (1.50" x .94" THERMA-TRU WOOD COMPOSITE)
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSIT
7	SHORT REACH COMPRESSION WEATHERSTRIP (THERMA-
8	LONG REACH COMPRESSION WEATHERSTRIP (THERMA-TI
9	4" x 4" HINGE .097" THK. (THERMA-TRU)
10	#10 x 3/4" lg. PFH WOOD SCREW (Hinge to Frame)
11	#10 x 1" LG. PFH WOOD SCREW
12	#10 x 2" LG. PFH WOOD SCREW
13	#8 x 2 1/2" LG. PFH WOOD SCREW
14	3/16" TAPCON ANCHOR (ELCO)
15	SIDELITE BOTTOM BOOT .090" EXTRUDED VIN
16	2x INNER WOOD BUCK
17	MAX. 1/4" SHIM MATERIAL
18	KWIKSET TITAN 700 SERIES PASSAGE LOCK
19	NOT USED
20	HEADER 4.656" x 1.211" (THERMA-TRU, PONDEROSA F
21	4.563" x 1.25" STRIKE JAMB (THERMA-TRU, PONDEROSA
22	4.563" x 1.25" HINGE JAMB (THERMA-TRU, PONDEROSA P
23	KWIKSET TITAN 700 SERIES DEADBOLT
24	ASTRAGAL WINDJAMBER II WR8OT (.052" WAL
25	GLAZING, 1/2" INSULATED TEMPERED GLASS
26	NOT USED
27	#8 x 1" LG. PANHEAD SHEET METAL SCREW
28	NOT USED
29	#6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW (FOR ITEM #
30	NOT USED
31	NOT USED
32	1/8 THK. CELLULAR GLAZING TAPE (STIK-II TAPE
33	PLASTIC LIP LITE FRAME (PVC, THERMA-TRU)
34	PLASTIC LIP LITE FRAME (SMC, THERMA-TRU)
35	4.656" x 1.211" BLANK JAMB (THERMA-TRU, PONDEROSA
36	SIDELITE SIDE STILE (THERMA-TRU, 1.531" x .656" PONDEROSA
37	#10 x 1 3/4" LG. PFH WOOD SCREW
38	SS. LATCH STILE (THERMA-TRU, WOOD COMPOSITE 1.531" x 4.0
39	NOT USED
40	SILICONE CAULK (DOW 795)
41	#8-10 x 1 1/2" PLASCREW (FOR ITEM #34
42	SIDELITE TOP & BOTTOM RAIL (THERMA-TRU, 1.531" x .656" PONDEROSA
43	#8 x 2" LG. PFH WOOD SCREW
44	3/8" x 3/8" QUARTER ROUND FINGER JOINTED F
45	1" L. x .040" DIA. BRAD TRIM NAIL
46	SELF ADJUSTING INSWING SADDLE THRESHOLD
47	INSWING DOOR BOTTOM SWEEP
48	IVES SURFACE BOLT #454 .25 STEEL
49	1/4-20 SEX BOLT W/ 1/4-20 FEMALE EN

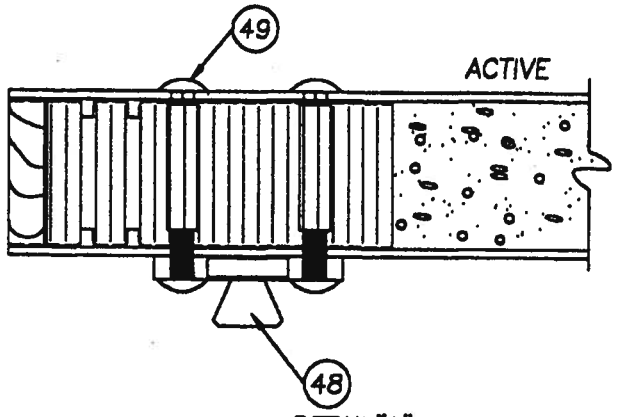


1/3 HORIZONTAL CROSS SECTION
@ ASTRAGAL
(SEE DESIGN PRESSURE CHART)

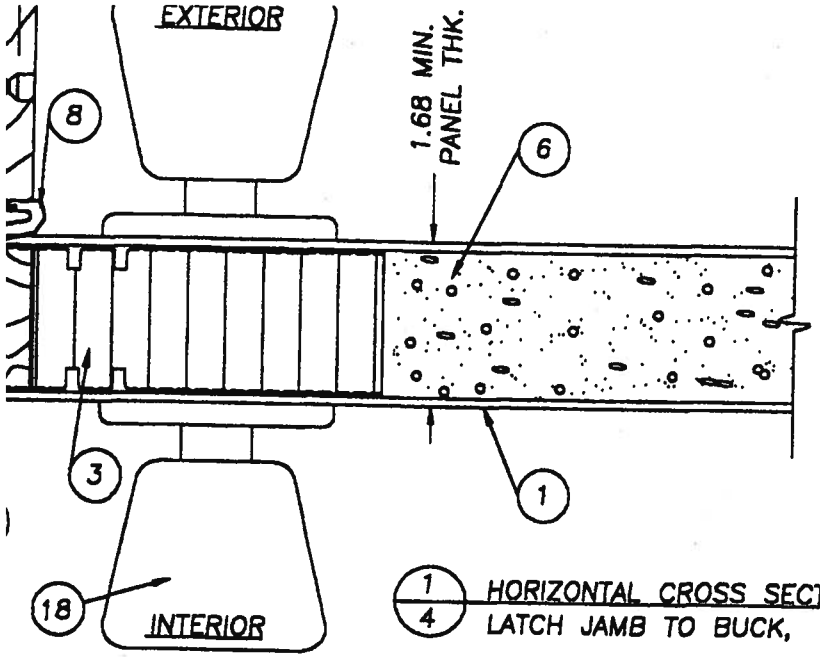


2/3 HORIZONTAL CROSS SECTION
@ HINGE JAMB TO SIDELITE

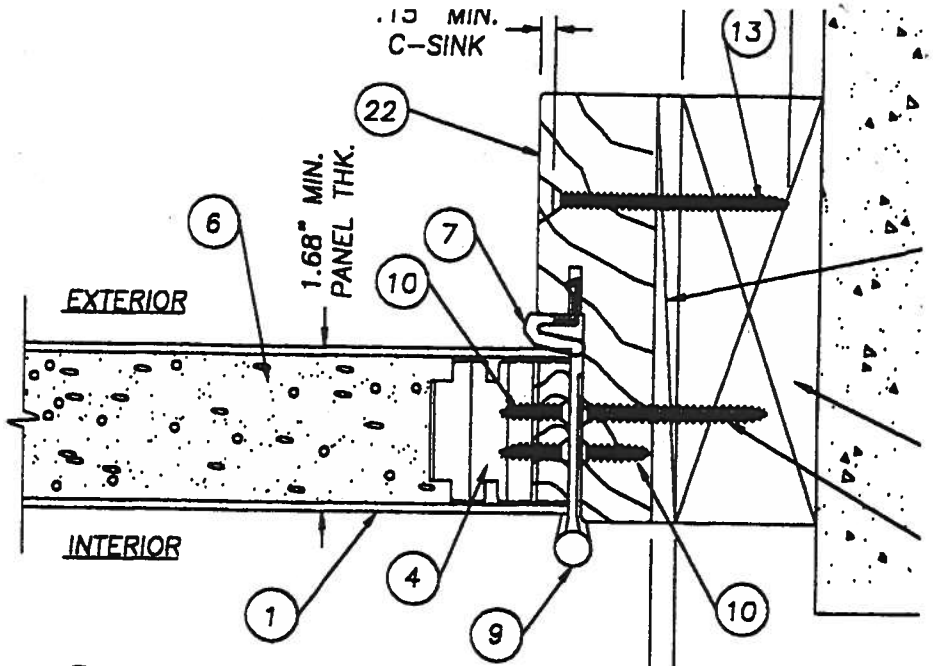




DETAIL "A"
OPTIONAL SURFACE BOLTS IN ACTIVE PANEL
(SEE DESIGN PRESSURE CHART)



1/4 HORIZONTAL CROSS SECTION
LATCH JAMB TO BUCK,



2/4 HORIZONTAL CROSS SECTION
HINGE JAMB TO BUCK,

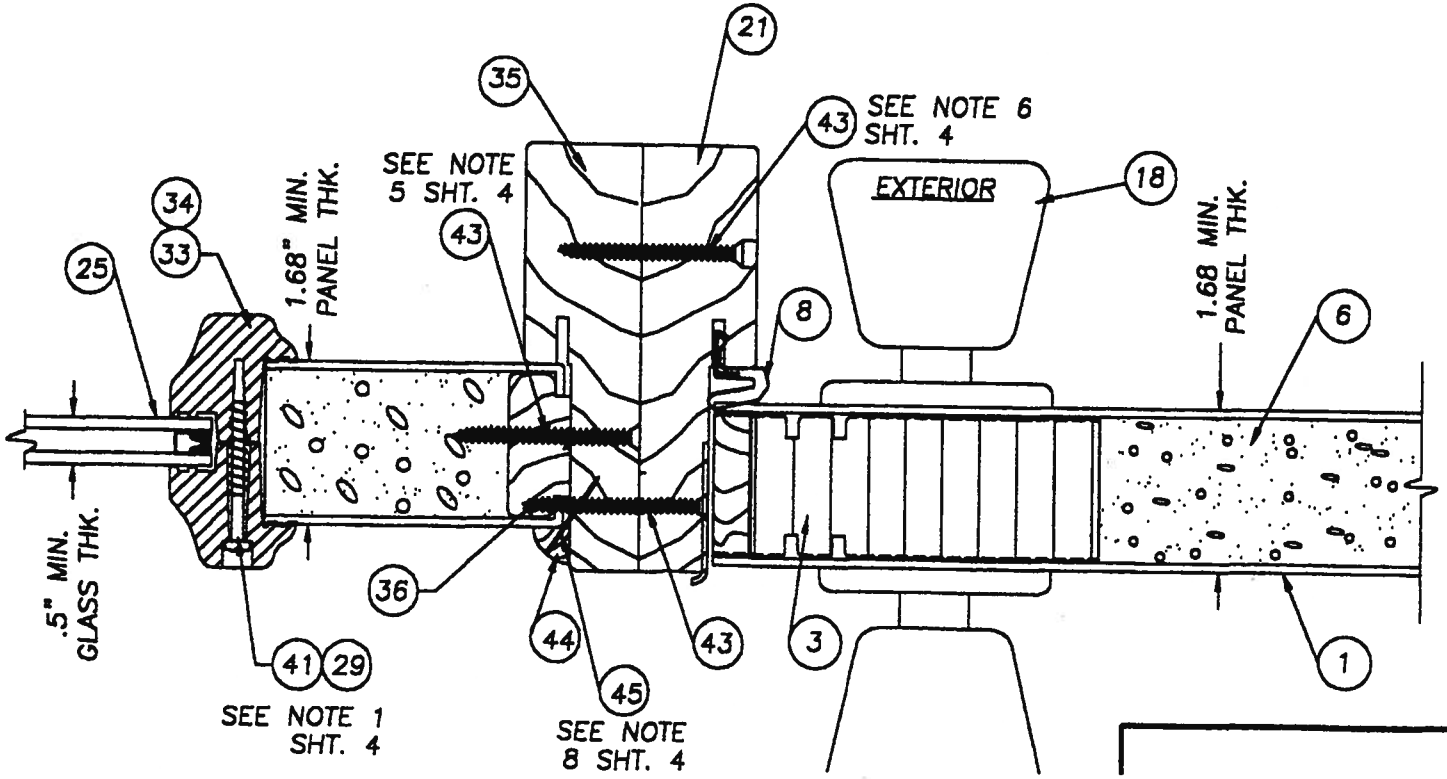
.25" MAX. SHIM SPACE

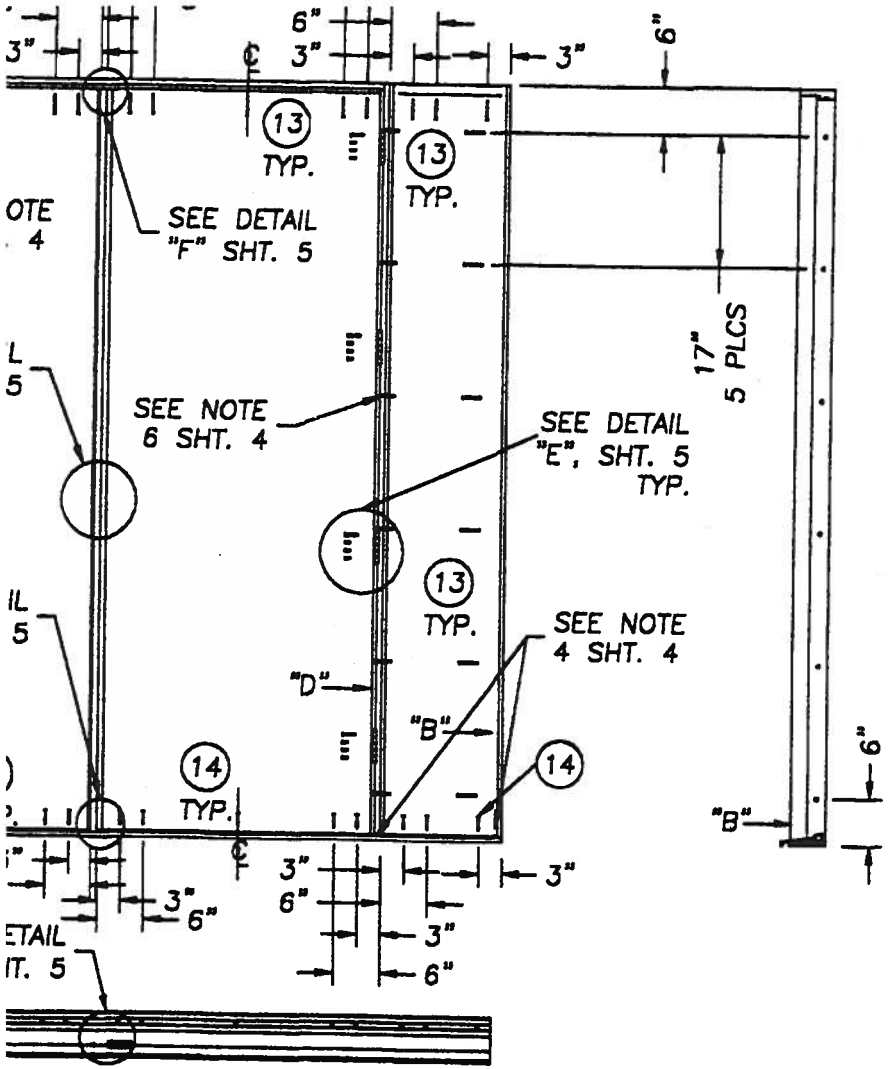
IS AS FOLLOWS: FROM
WITH (7) MORE SPACED
REWS BOTH TOP AND
CORNER.
REW
NACTIVE DOOR IS AS
, 3", 5", 18.25", 54"

IE SIDE JAMBS WITH

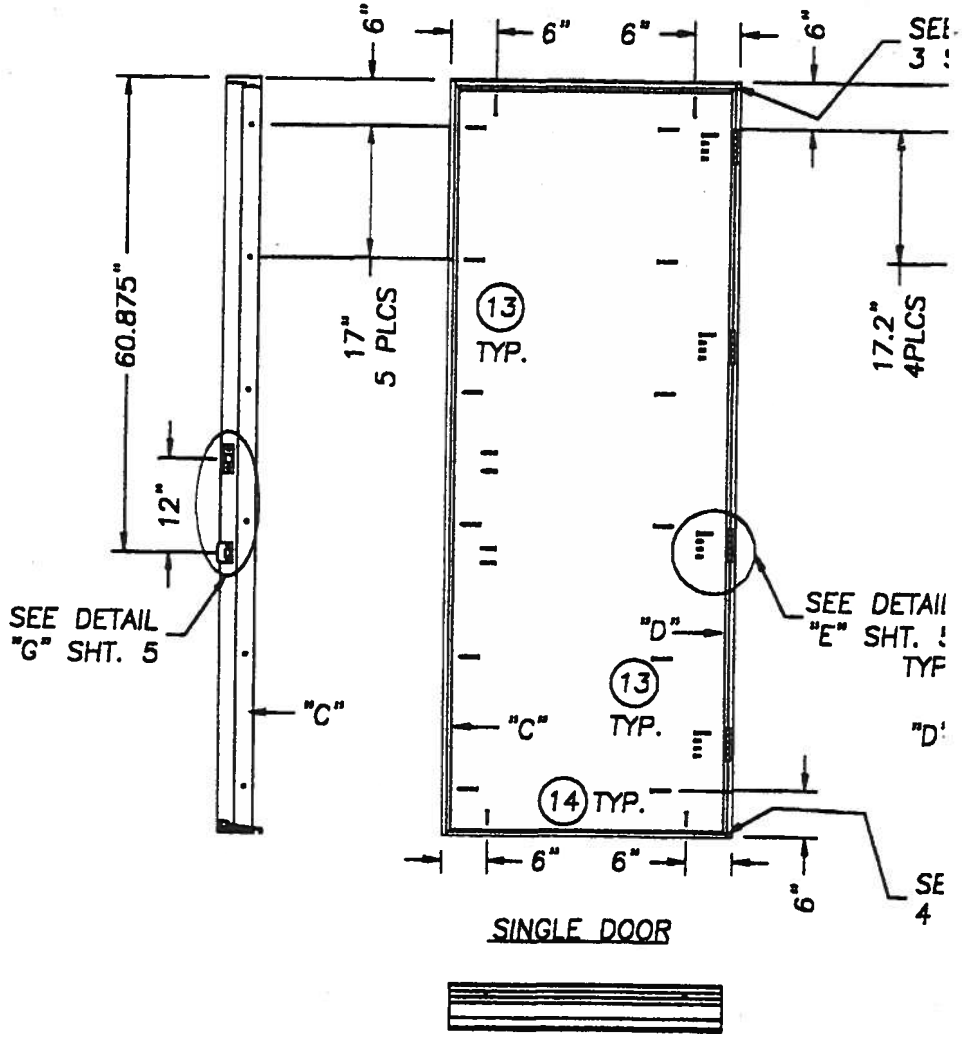
IE SIDE JAMBS WITH

HE JAMB WITH (12)
E ARE (4) AT
OP DOWN AT 13.5",
THE HEADER AT 4"
HE FRAME. THERE ARE
TSIDE CORNERS.
RING THE MULLIONS
RIMETER ANCHORING
AND UP FROM THE
16.9" O.C.
JAMB AND THE BUCK
CHING THE HINGE TO

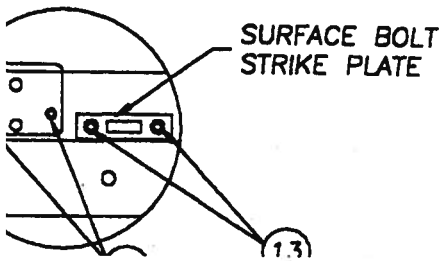


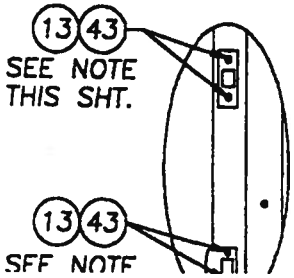


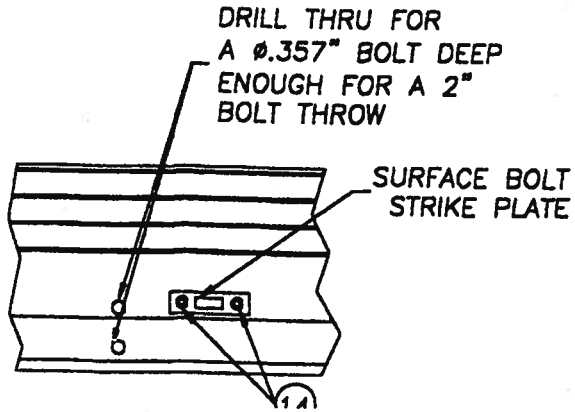
DOOR W/SIDELITES



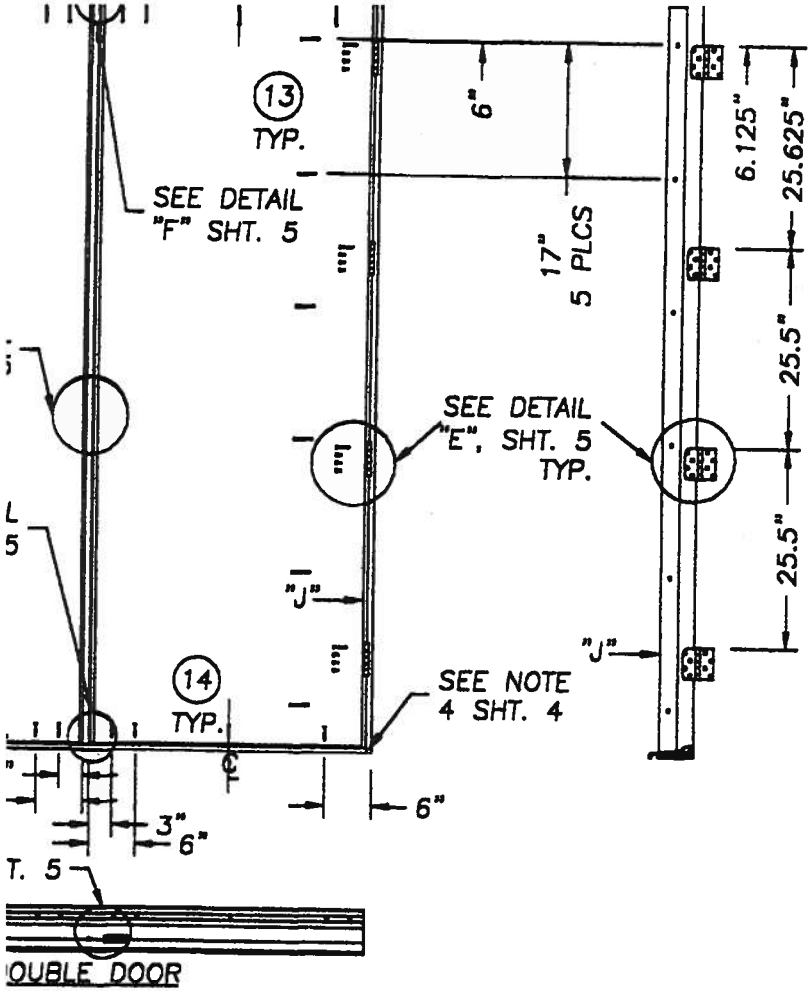
SINGLE DOOR

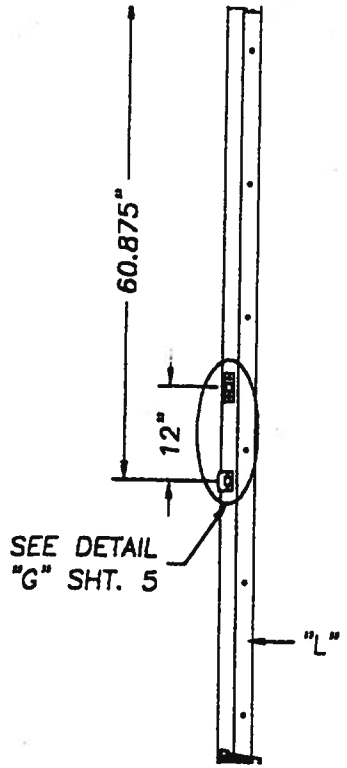


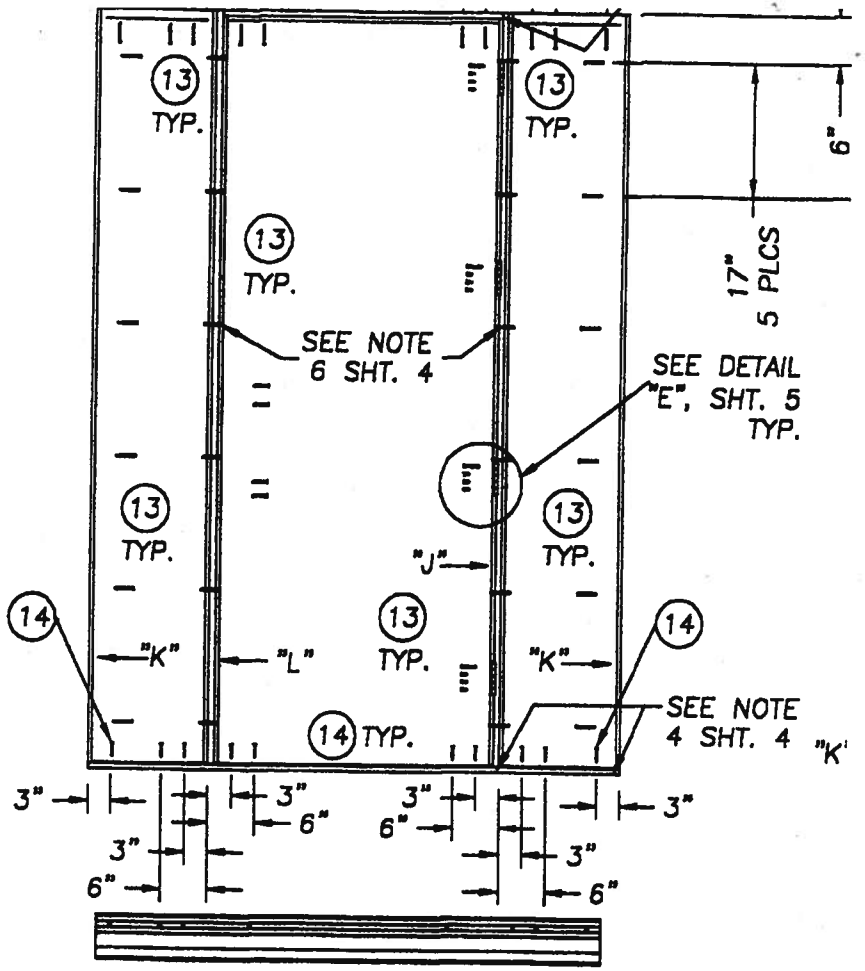




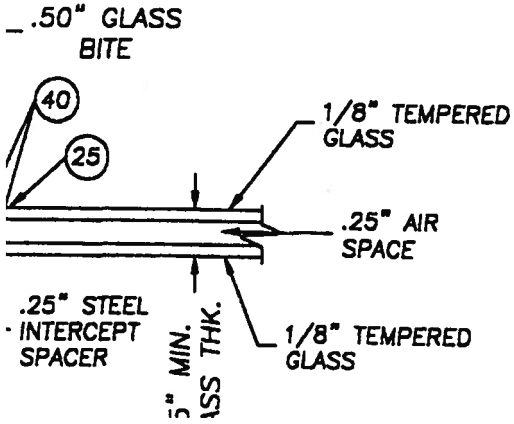
NOTE:
USE ITEM #13 A #8 x 2 1/2" PFH W
ATTACH THE STRIKE AND DEADBOLT PL
JAMB OR ASTRAGAL EXCEPT IN THE M
APPLICATION WITH THE SIDELITE USE I
2" PFH WOOD SCREW.

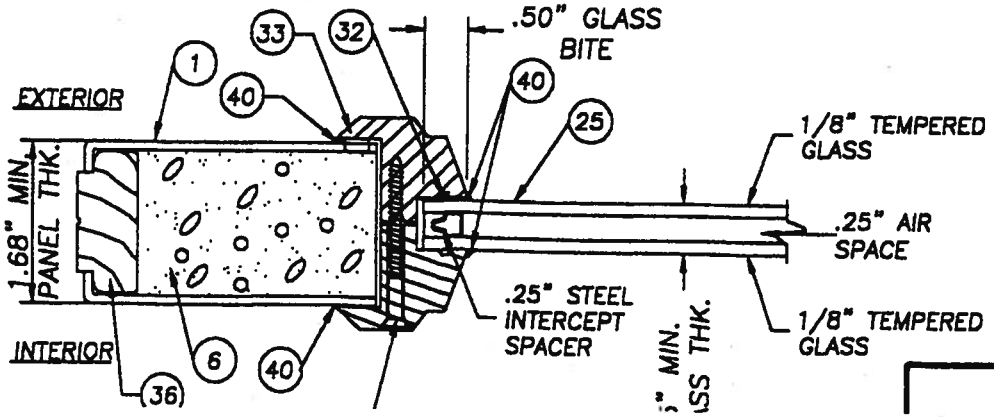


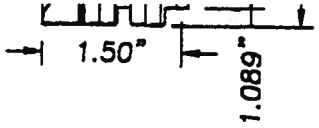




SINGLE DOOR W/SIDELITES

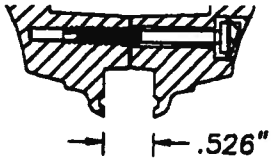




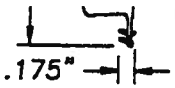


(4) HINGE SIDE STILE

CORE MATERIAL: LVL OR LSL
ALTERNATE CORE MATERIAL: PONDEROSA, RADIATA, PULAI, ELLIOTTII, TAEDA OR SUGAR PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE CEDAR OR REDWOOD.

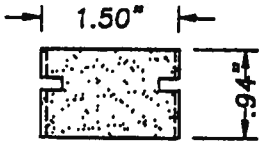


(34) PLASTIC LIP LITE FRAME
EXTRUDED SMC

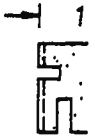


(7) COMPRESSION WEATHERSTRIP
BY THERMA-TRU
FOAM CELL CORE W/VINYL JACKET

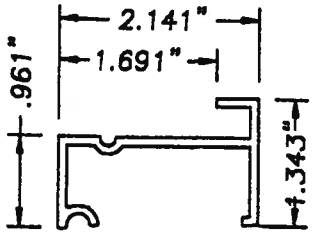
(8) LONG
COMPRESSION
FOAM CELL CORE



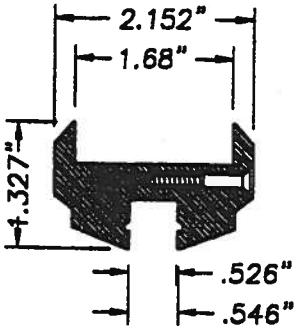
(2) TOP RAIL
WOOD COMPOSITE



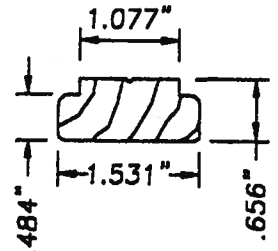
(5) BOT
WOOD



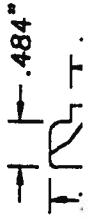
(15) INSWING SIDELITE
BOTTOM BOOT
0.09" EXTRUDED VINYL WALL



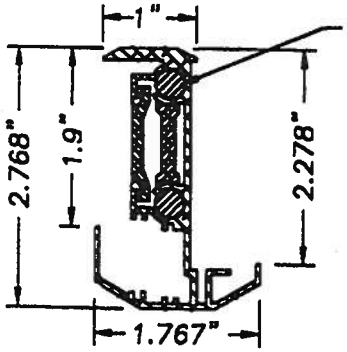
(33) PLASTIC LIP LITE FRAME
EXTRUDED PVC



(42) SIDELITE TOP
& BOTTOM RAIL

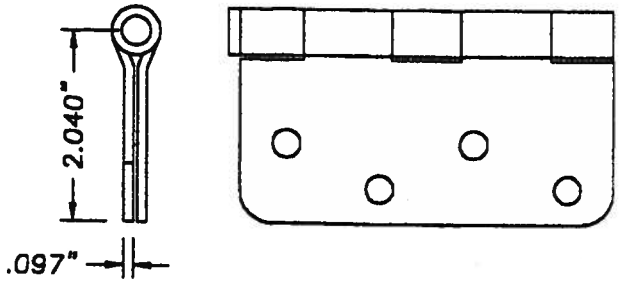


(36) SIDELI
SIDE
FINGER
PONDE

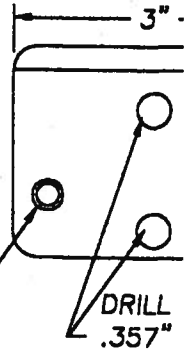


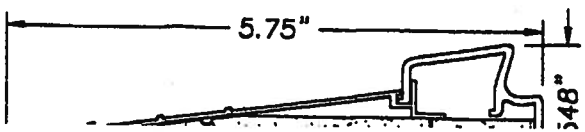
ASTRAGAL RETAINER BOLTS,
(2) 17.0" LG. X 0.3125" DIA.
@ TOP & (2) 8.0" LG. X
0.3125" DIA. @ BOTTOM
(4) BOLTS TOTAL

(24) WINDJAMBER II WR80T
ASTRAGAL (ALUMINUM .052" WALL TYP.)



(9) 4 x 4 STEEL DOOR HINGE





Architectural Testing

AAMA/WDMA/CSA 101/I.S.2/A440-05
TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC.

SERIES/MODEL: 165
PRODUCT TYPE: Aluminum Single Hung (Fin)

Title	Summary of Results
Primary Product Designator	H-LC30 1114 x 1905 (44 x 75)
Operating Force (in motion)	76 N (17 lbf)
Air Infiltration	1.0 L/s/m^2 (0.20 cfm/ft^2)
Water Penetration Resistance Test Pressure*	260 Pa (5.43 psf)
Uniform Load Structural Test Pressure	±2160 Pa (45.14 psf)
Forced Entry Resistance	Grade 10

*-Optional Secondary Designators

Test Completion Date: 03/16/06

Reference must be made to Report No. 63771.01-109-47, 03/29/06 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

AAMA/WDMA/CSA 101/I.S.2/A440-05 TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No.:	63771.01-109-47
Test Dates:	03/14/06
Through:	03/16/06
Report Date:	03/29/06
Expiration Date:	03/16/10

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Windows and Doors, Inc. to witness testing on a Series/Model 165, aluminum single hung window at the MI Windows and Doors, Inc. test facility in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for an H-LC30 1114 x 1905 (44 x 75) rating. Test specimen description and results are reported herein.

Test Specification: The test specimen was evaluated in accordance with AAMA/WDMA/CSA 101/I.S.2/A440-05, *Standard/Specification for Windows, Doors, and Unit Skylights.*

Test Specimen Description:

Series/Model: 165

Product Type: Aluminum Single Hung (Fin)

Overall Size: 1114 mm (43-7/8") wide by 1905 mm (75") high

Interior Sash Size: 1078 mm (42-7/16") wide by 952 mm (37-1/2") high

Fixed Daylight Opening Size: 1032 mm (40-5/8") wide by 892 mm (35-1/8") high

Screen Size: 1048 mm (41-1/4") wide by 946 mm (37-1/4") high

Overall Area: 2.1 m^2 (22.8 ft^2)

130 Derry Court
York, PA 17402-9405
phone: 717-764-7700
fax: 717-764-4129
www.archtest.com

Test Specimen Description: (Continued)

Finish: All aluminum was white.

Frame Construction: The frame was constructed of extruded aluminum members. Corners were coped, butted, sealed, and fastened with two #6 x 3/4" screws. The fixed meeting rail was secured with a PVC bracket that was fastened to the frame with two #6 x 5/8" self-tapping screws and fastened to the fixed meeting rail with two #6 x 1/2" screws.

Sash Construction: The sash was constructed of extruded aluminum members. Corners were coped, butted, sealed, and fastened with one #6 x 1" screw.

Glazing Details: The unit was glazed with 1/2" thick insulating glass constructed of two sheets of 1/8" thick clear annealed glass and a metal reinforced butyl spacer system. The glass was set from the interior onto a silicone bedding and secured with snap-in PVC glazing beads.

Weatherstripping:

Description	Quantity	Location
0.187" backed by 0.250" high polypile with center fin	1 Row	Stiles
0.187" backed by 0.270" high polypile with center fin	1 Row	Stiles
0.187" backed by 0.210" high polypile with center fin	1 Row	Fixed meeting rail
0.187" backed by 0.250" high polypile, 1" long pad	2	Sill, each end
0.187" backed by 3/8" diameter, two leaf foam filled vinyl bulb seal	1 Row	Bottom rail

Drainage: A sloped sill was utilized.

Test Specimen Description: (Continued)

Hardware:

Description	Quantity	Location
Metal sweep locks with adjacent keepers	2	Meeting rail, 7" from each end
Plastic tilt latches	2	Each end of the interior meeting rail
Pivot pins	2	Each end of the bottom rail
Coil balance	2	Jambs

Reinforcement: No reinforcement was utilized.

Screen Construction: The screen was constructed of roll-formed aluminum. Corners were square-cut and secured with plastic corner keys. The screen mesh was secured with a flexible vinyl spline.

Installation: The unit was installed into a wood test buck. The nail fin was set onto a bed of silicone and fastened with #6 x 1-5/8" screws, 3" from each end and 10" on center.

Test Results: The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
5.3.1	Operating Force per ASTM E 2068		
	Initiate motion	71 N (16 lbf)	N/A
	Maintain motion	76 N (17 lbf)	135 N (30 lbf)
	Latches	27 N (6 lbf)	100 N (22.5 lbf)
5.3.2.1	Air Leakage Resistance per ASTM E 283		
	75 Pa (1.6 psf)	1.0 L/s/m^2 (0.20 cfm/ft^2)	1.5 L/s/m^2 (0.3 cfm/ft^2 max.)

***Note #1**: The tested specimen meets (or exceeds) the performance levels specified in AAMA/WDMA/CSA 101/I.S.2/A440-05 for air leakage resistance.*

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
5.3.3	Water Penetration Resistance per ASTM E 547		See Note #2
5.3.4.2	Uniform Load Deflection per ASTM E 330		See Note #2
5.3.4.3	Uniform Load Structural per ASTM E 330		See Note #2

***Note #2**: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance".*

5.3.5	Forced Entry Resistance per ASTM F 588		
	Type: A	Grade: 10	
	Disassembly Test	No entry	No entry
	Test A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Hardware Manipulation Test	No entry	No entry
	Sash/Panel Manipulation Test	No entry	No entry
5.3.6.3	Deglazing Test		
	In operating direction - 320 N (70 lbs)		
	Interior meeting rail	3.0 mm (0.12")	11.4 mm (0.45")
	Bottom rail	2.5 mm (0.10")	11.4 mm (0.45")
	In remaining direction - 230 N (50 lbs)		
	Left stile	1.8 mm (0.07")	11.4 mm (0.45")
	Right stile	1.8 mm (0.07")	11.4 mm (0.45")

Optional Performance

4.4.2.6	Water Penetration Resistance per ASTM E 547 (with and without insect screen) 260 Pa (5.43 psf)	No leakage	No leakage

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
	Optional Performance: (Continued)		
4.4.2.6	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the meeting rail) (Loads were held for 52 seconds)		
	1440 Pa (30.09 psf) (positive)	11.2 mm (0.44")	See Note #3
	1440 Pa (30.09 psf) (negative)	9.9 mm (0.39")	See Note #3

***Note #3**: The deflections reported are not limited by AAMA/WDMA/CSA 101/I.S.2/A440-05 for this product designation. The deflection data is recorded in this report for special code compliance and information only.*

4.4.2.6	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the meeting rail) (Loads were held for 10 seconds)		
	2160 Pa (45.14 psf) (positive)	1.3 mm (0.05")	4.1 mm (0.16") max.
	2160 Pa (45.14 psf) (negative)	0.25 mm (0.01")	4.1 mm (0.16") max.

Drawing Reference: The test specimen drawings have been reviewed by ATI and are representative of the test specimen reported herein.

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 the approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.

Jeramie D. Grabosch

Digitally Signed by: Jeramie D. Grabosch

Jeramie D. Grabosch
Technician

Digitally Signed by: Steven M. Urich

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

JDG:jdg/vlm

Attachments (pages):
Appendix-A: Alteration Addendum (1)

Revision Log

Rev. #	Date	Page(s)	Revision(s)
0	03/29/06	N/A	Original report issue

Appendix A

Alteration Addendum

***Note**: No alterations were required.*

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	IR		
B. SLIDING	Capital		
C. SECTIONAL/ROLL UP	—		
D. OTHER	—		
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	Capital		
B. HORIZONTAL SLIDER	—		
C. CASEMENT	—		
D. FIXED	—		
E. MULLION	—		
F. SKYLIGHTS	—		
G. OTHER	—		
3. PANEL WALL			
A. SIDING	Brick		
B. SOFFITS	—		
C. STOREFRONTS	—		
D. GLASS BLOCK	—		
E. OTHER	—		
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	30 yr		
B. NON-STRUCT METAL	—		
C. ROOFING TILES	—		
D. SINGLE PLY ROOF	—		
E. OTHER	—		
5. STRUCT COMPONENTS	—		
A. WOOD CONNECTORS			
B. WOOD ANCHORS	tread rod		
C. TRUSS PLATES			
D. INSULATION FORMS	—		
E. LINTELS	—		
F. OTHERS	—		
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

APPLICANT SIGNATURE

12-1-06
DATE

R-1305 01-04

25303

03114-149

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

Land Surveyors
and Mappers

01/04/07

L-18053

To Whom It May Concern:

C/o: Trent Giebeig

Re: Lot 49 Cannon Creek Place

The elevation of the foundation wall is found to be 105.55 feet. The minimum finished floor elevation is 101.00 feet according to the plat of record. The highest adjacent grade is 103.66 feet and the lowest adjacent grade is 103.56 feet. The elevations shown hereon are based on NGVD 29 datum.

L. Scott Britt
PLS #5757

Project Information for:	L218986		
Builder:	GIEBEIG HOMES	Date:	11/29/2006
Lot:	LOT 49	Start Number:	**1364**
Subdivision:	CANNON CREEK PLACE	SEI Ref:	L218986
County or City:	COLUMBIA COUNTY		
Truss Page Count:	26		

Truss Design Load Information (UNO) Design Program: MiTek

Gravity		**Wind**		**Building Code:**	**FBC2004**
Roof (psf):	**42**	Wind Standard:	**ASCE 7-02**		
Floor (psf):	55	Wind Speed (mph):	**110**		

Note: See individual truss drawings for special loading conditions

Building Designer, responsible for Structural Engineering: (See attached)

GIEBEIG, BRIAN T. RR282811523
Address: 462 SW FAIRLINGTON CT
LAKE CITY, FL 32025 Designer: **49**

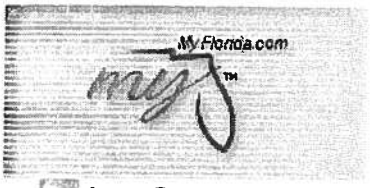
Truss Design Engineer: Thomas, E. Miller, P.E., 56877 - Byron K. Anderson, PE FL 60987
Company: Structural Engineering and Inspections, Inc. EB 9196
Address 16105 N. Florida Ave, Ste B, Lutz, FL 33549 Phone: 813-849-5769

Notes:

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

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	1129061364	11/29/2006				
2	CJ3	1129061365	11/29/2006				
3	CJ5	1129061366	11/29/2006				
4	EJ3	1129061367	11/29/2006				
5	EJ7	1129061368	11/29/2006				
6	HJ4	1129061369	11/29/2006				
7	HJ9	1129061370	11/29/2006				
8	T01	1129061371	11/29/2006				
9	T02	1129061372	11/29/2006				
10	T03	1129061373	11/29/2006				
11	T04	1129061374	11/29/2006				
12	T05	1129061375	11/29/2006				
13	T06	1129061376	11/29/2006				
14	T07	1129061377	11/29/2006				
15	T08	1129061378	11/29/2006				
16	T09	1129061379	11/29/2006				
17	T10	1129061380	11/29/2006				
18	T11	1129061381	11/29/2006				
19	T12	1129061382	11/29/2006				
20	T13	1129061383	11/29/2006				
21	T14	1129061384	11/29/2006				
22	T15	1129061385	11/29/2006				
23	T16	1129061386	11/29/2006				
24	T17	1129061387	11/29/2006				
25	T18	1129061388	11/29/2006				
26	T19	1129061389	11/29/2006				

NOV 2 9 2006



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Online Help

Licensee Details

Licensee Information

Name:	**GIEBEIG, BRIAN TRENT (Primary Name)**
	TRENT GIEBEIG CONSTRUCTION INC (DBA Name)
Main Address:	**462 SW FAIRLINGTON CT** **LAKE CITY Florida 32025**
County:	**COLUMBIA**
License Mailing:	
LicenseLocation:	

License Information

License Type:	**Registered Residential Contractor**
Rank:	**Reg Residential**
License Number:	**RR282811523**
Status:	**Current,Active**
Licensure Date:	**06/06/2006**
Expires:	**08/31/2007**

Special Qualifications	**Qualification Effective**
QB Lic Required	**06/06/2006**

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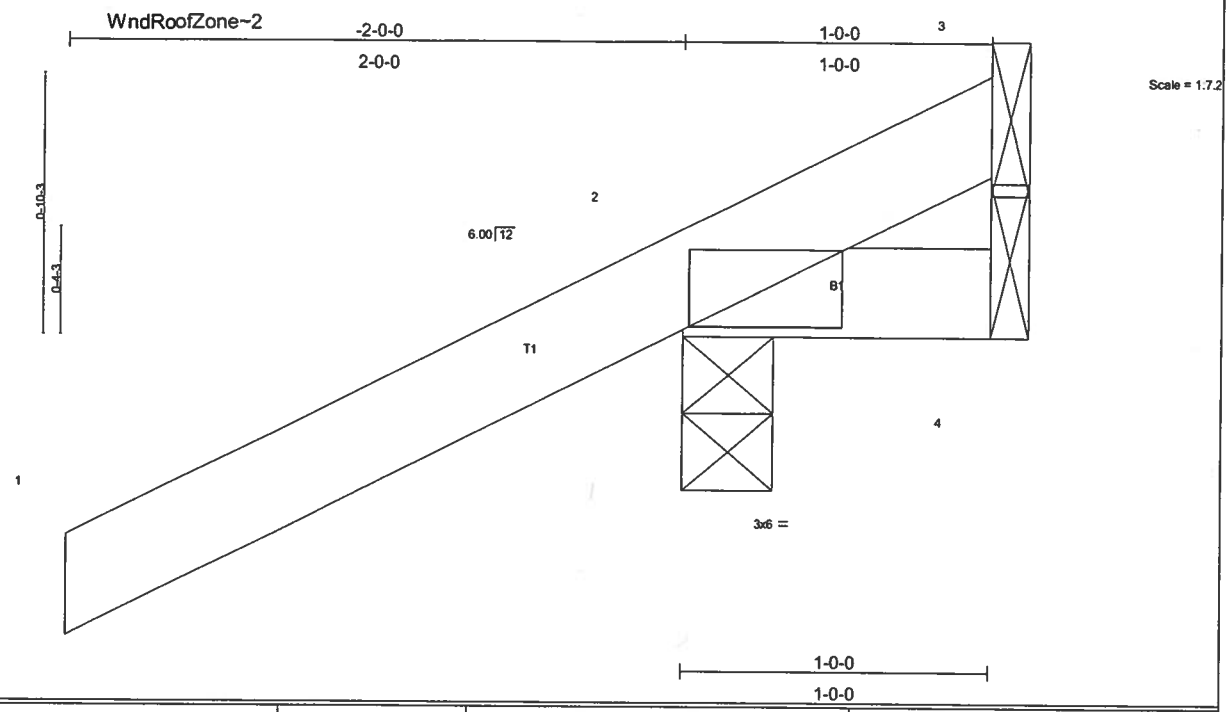
NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
18165 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1129061364

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	CJ1	ROOF TRUSS	14	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 29 09:38:24 2006 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	0.28	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 Uplift2=-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=-69/75
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.14

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 2, 9 lb uplift at joint 4 and 90 lb uplift at joint 3.

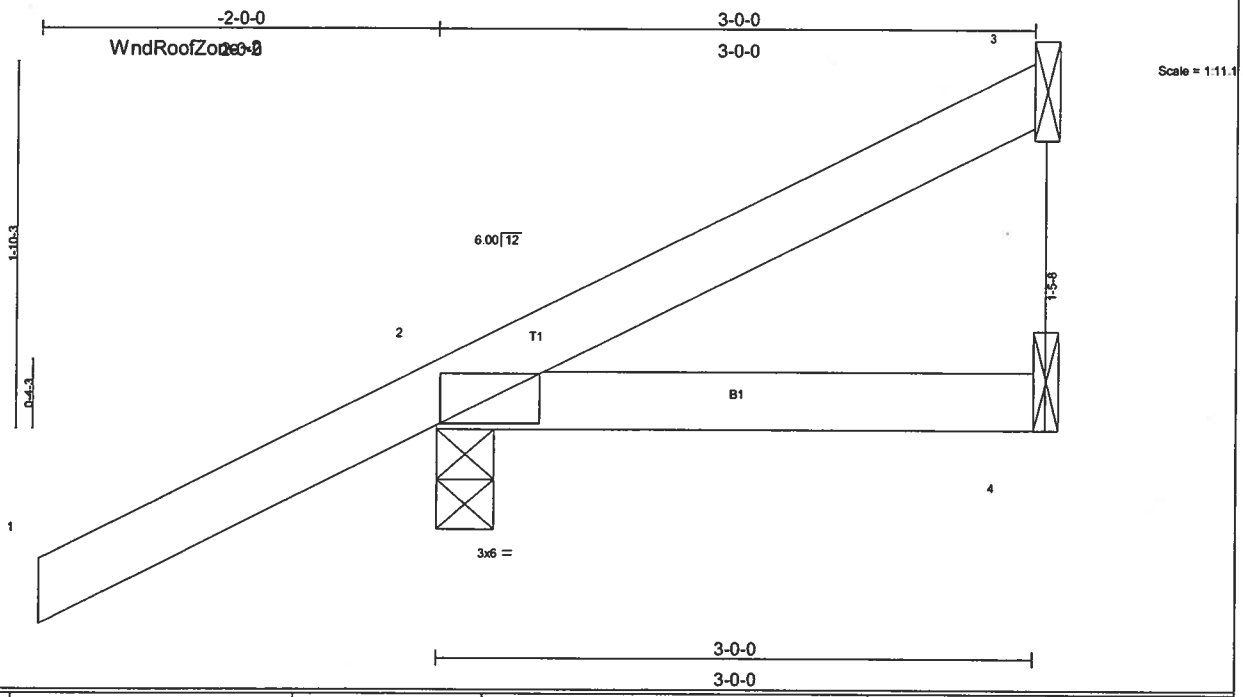
LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1129061365

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	CJ3	ROOF TRUSS	10	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 29 09:38:25 2006 Page 1



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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 Uplift3=-28(load case 6), 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 = 0.13

NOTES
1) Wind: ASCE 7-02; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 3 and 203 lb uplift at joint 2.

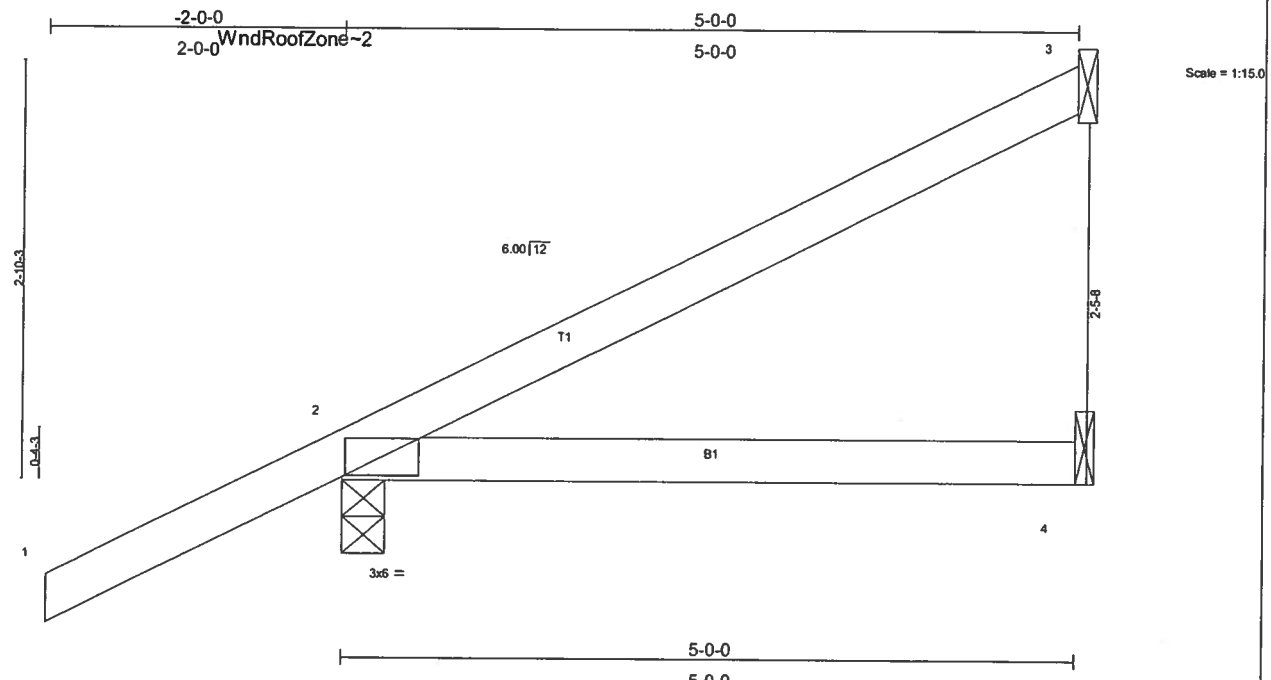
LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1129061366

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	CJ5	ROOF TRUSS	10	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 29 09:38:25 2006 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 Uplift3=-87(load case 5), 2=-199(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-88/36
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.15

NOTES
1) Wind: ASCE 7-02; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3 and 199 lb uplift at joint 2.

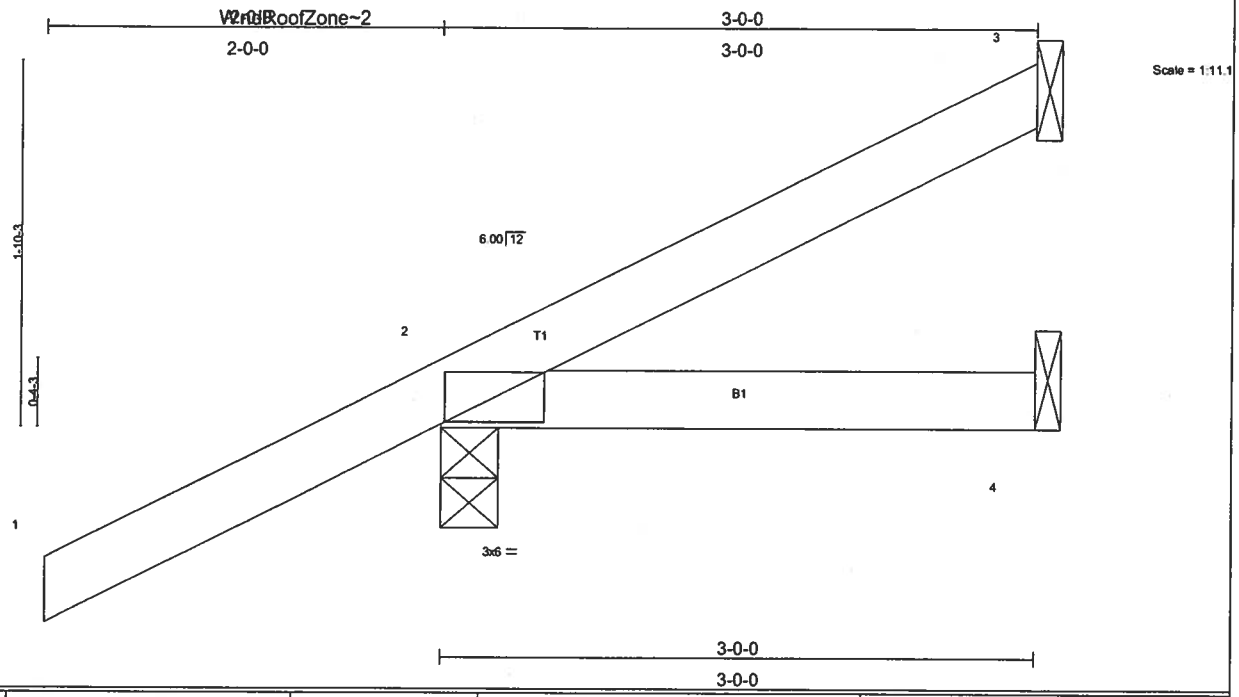
LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1129061367

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	EJ3	ROOF TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 29 09:38:26 2006 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 Uplift3=-28(load case 6), 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 = 0.13

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 3, 238 lb uplift at joint 2 and 27 lb uplift at joint 4.

LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1129061368

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	EJ7	ROOF TRUSS	25	1	Job Reference (optional)

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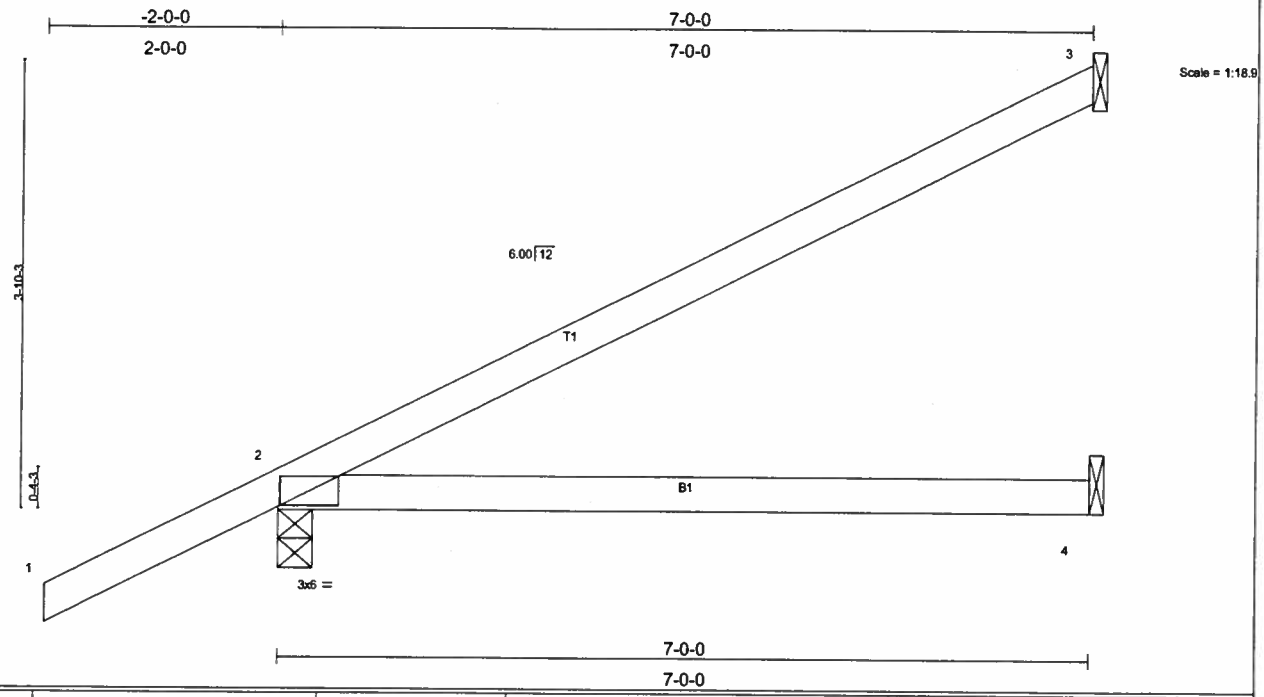

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.12	2-4	>664	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.21	2-4	>397	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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 Uplift3=-134(load case 5), 2=-210(load case 5)

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

JOINT STRESS INDEX
2 = 0.51

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 3 and 210 lb uplift at joint 2.

LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1129061369

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	HJ4	ROOF TRUSS	2	1	Job Reference (optional)

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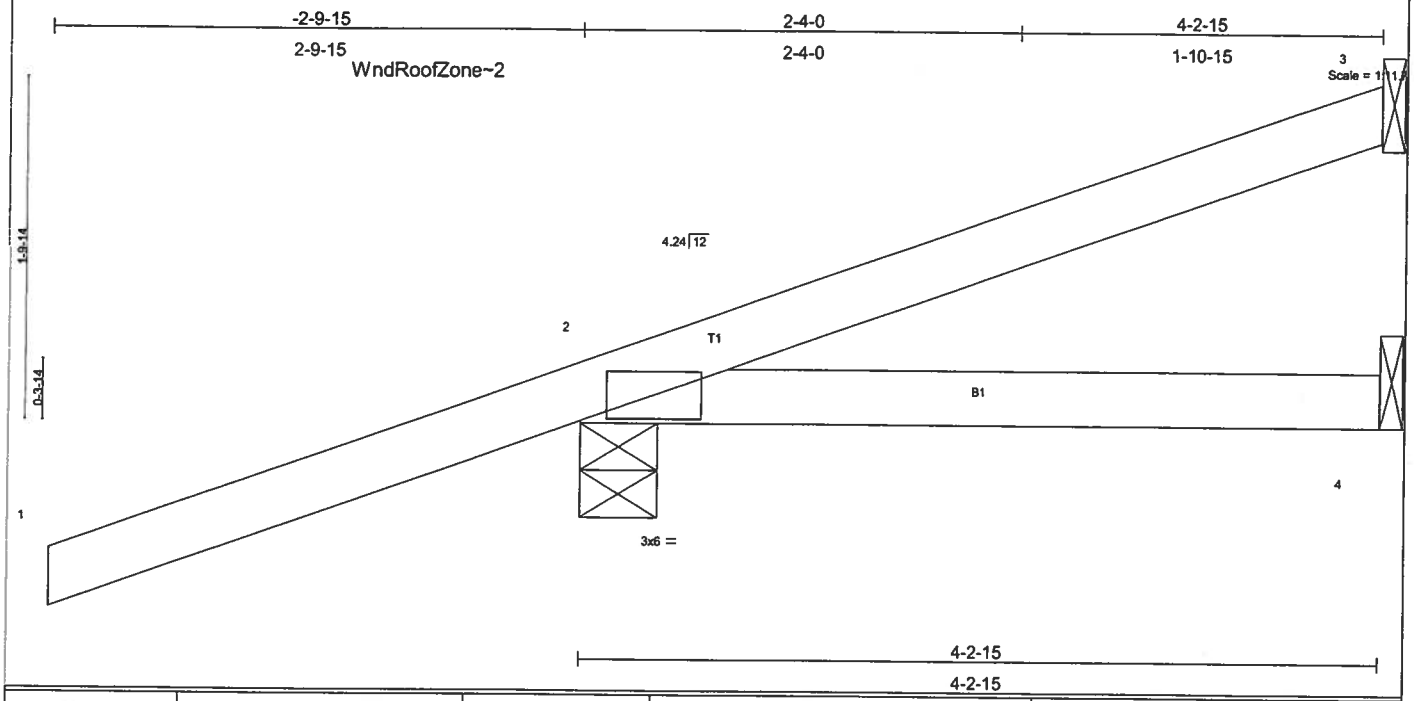

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	0.02	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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 Uplift3=-6(load case 5), 2=-302(load case 2), 4=-41(load case 2)
Max Grav 3=32(load case 6), 2=289(load case 1), 4=42(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-37/10
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.11

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 3, 302 lb uplift at joint 2 and 41 lb uplift at joint 4.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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)

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1129061370

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	HJ9	ROOF TRUSS	5	1	Job Reference (optional)

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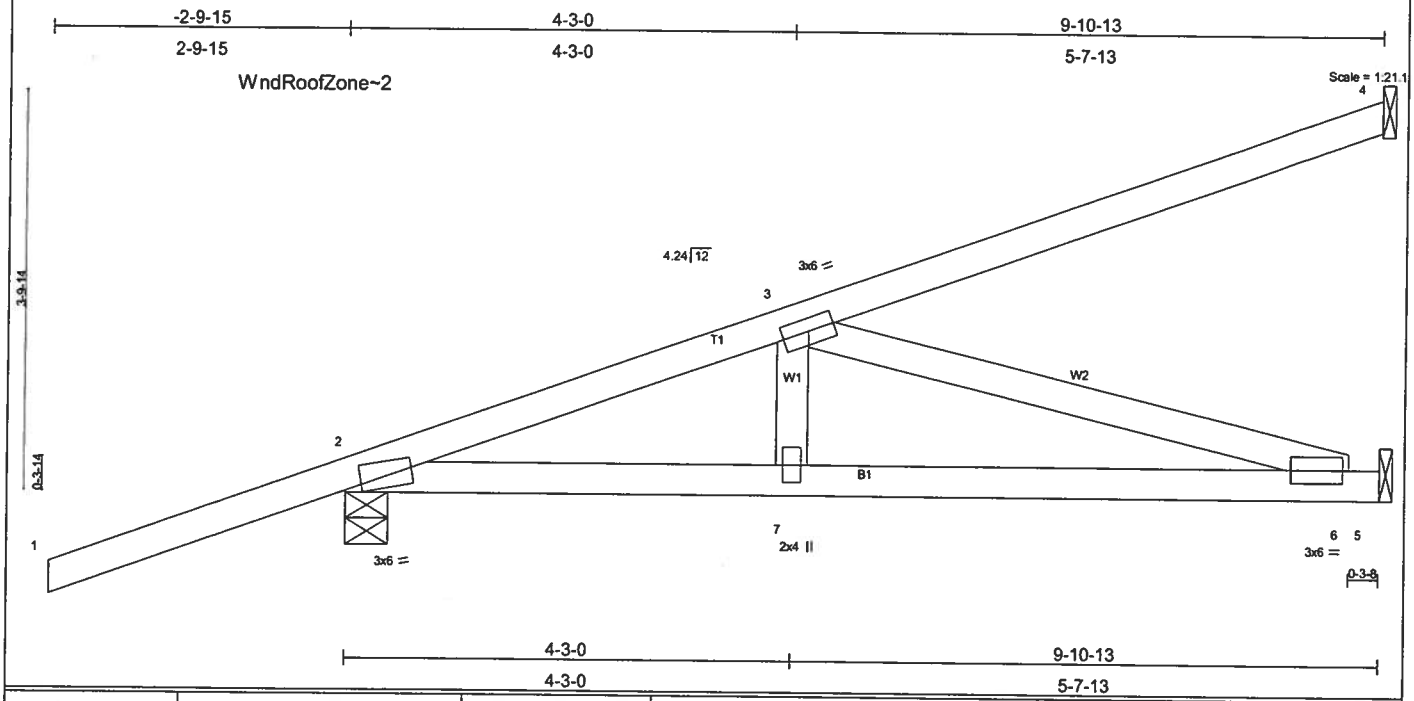

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	-0.10	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.17	6-7	>685	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.49	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002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

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

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

REACTIONS (lb/size) 4=269/Mechanical, 2=532/0-4-15, 5=377/Mechanical
Max Horz 2=269(load case 2)
Max Uplift4=-231(load case 2), 2=-278(load case 2), 5=-63(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-889/121, 3-4=-105/66
BOT CHORD 2-7=-309/824, 6-7=-309/824, 5-6=0/0
WEBS 3-7=0/180, 3-6=-857/322

JOINT STRESS INDEX
2 = 0.75, 3 = 0.23, 6 = 0.24 and 7 = 0.13

NOTES
1) Wind: ASCE 7-02; 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) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 231 lb uplift at joint 4, 278 lb uplift at joint 2 and 63 lb uplift at joint 5.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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)

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1129061371

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T01	ROOF TRUSS	1	1	Job Reference (optional)

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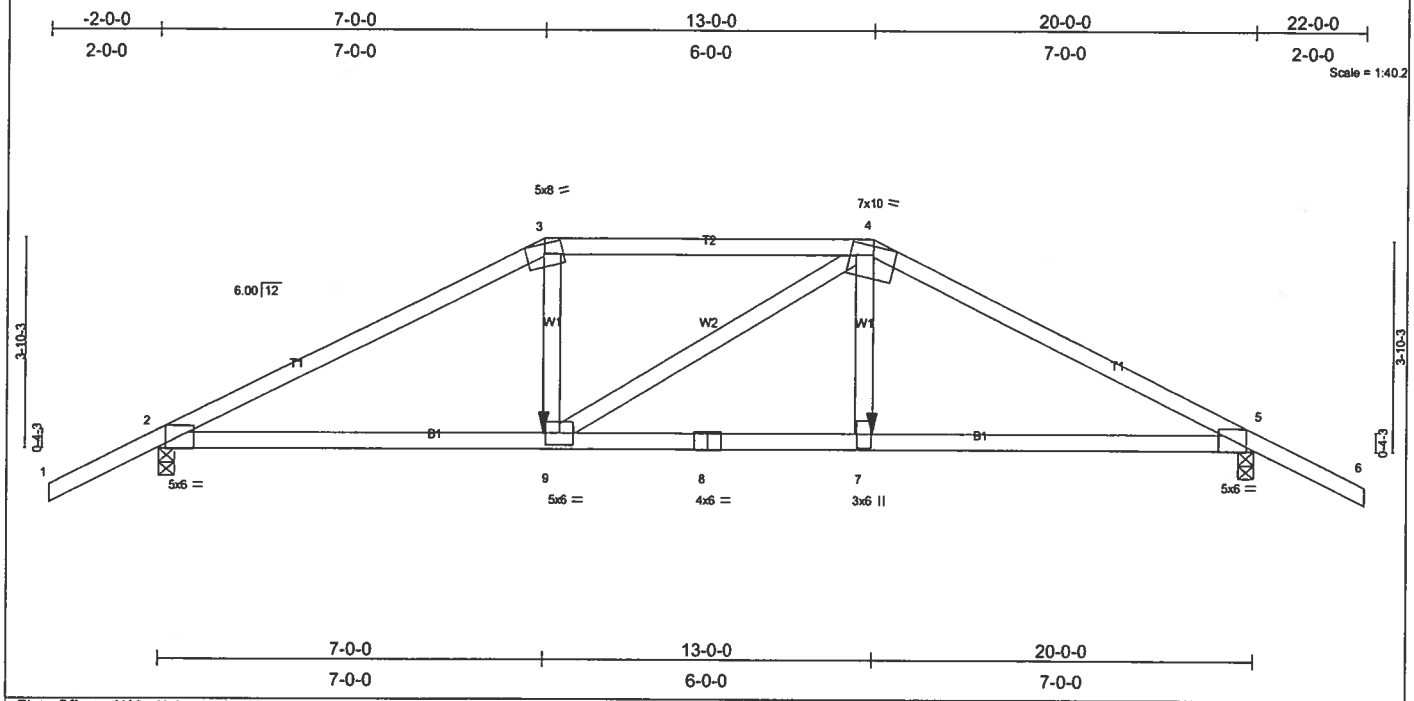

Plate Offsets (X,Y): [2:0-1-11,Edge], [5:0-1-11,Edge]

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		
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=87(load case 4)
Max Uplift2=-807(load case 4), 5=-807(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-3150/1275, 3-4=-2769/1213, 4-5=-3149/1275, 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=-241/901, 4-9=-124/127, 4-7=-220/849

JOINT STRESS INDEX
2 = 0.79, 3 = 0.83, 4 = 0.99, 5 = 0.79, 7 = 0.28, 8 = 0.99 and 9 = 0.32

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 807 lb uplift at joint 2 and 807 lb uplift at joint 5.
6) Girder carries hip end with 7-0-0 end setback.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 13-0-0, and 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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)

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Dwg.#1129061372

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T02	ROOF TRUSS	1	1	Job Reference (optional)

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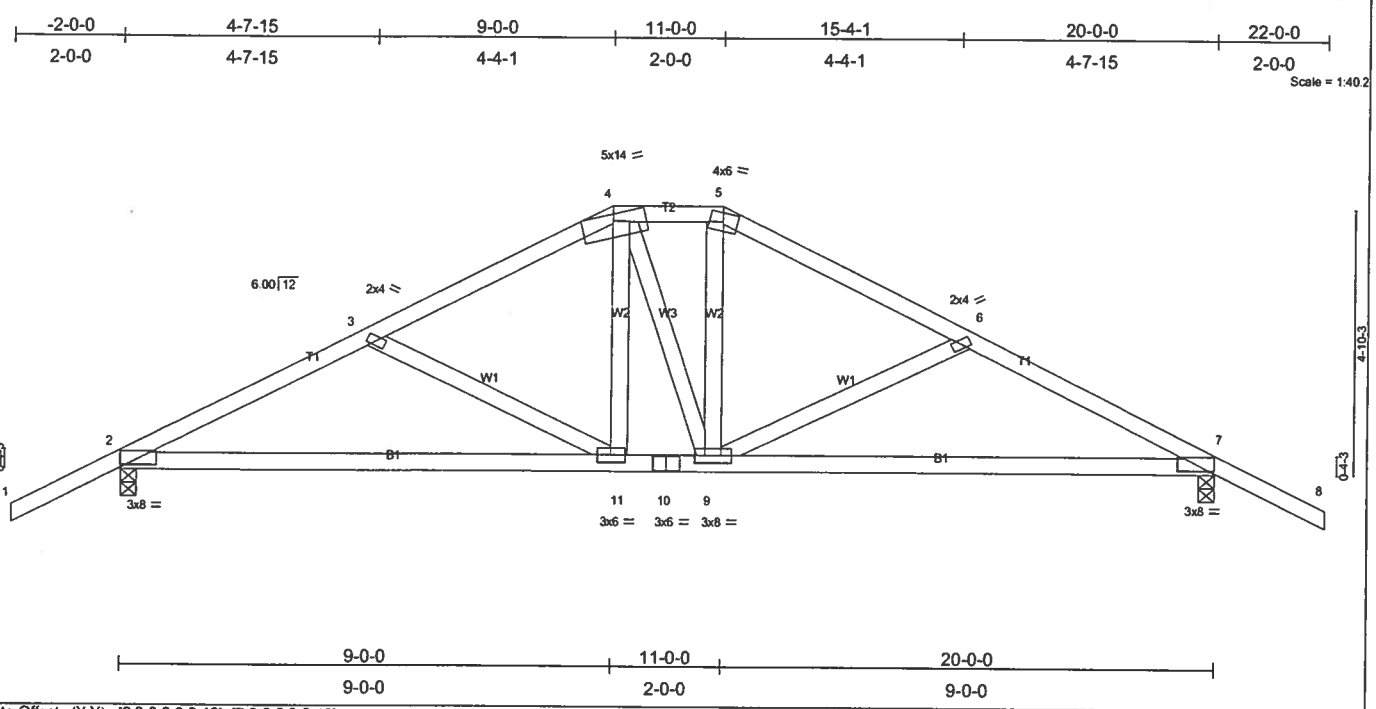

Plate Offsets (X,Y): [2:0-8-0,0-0-10], [7:0-8-0,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.15	2-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.26	2-11	>901	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 104 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 10-0-0 oc bracing.

REACTIONS (lb/size) 2=944/0-3-8, 7=944/0-3-8
Max Horz 2=-101(load case 6)
Max Uplift2=-389(load case 5), 7=-389(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1337/417, 3-4=-1067/310, 4-5=-912/321, 5-6=-1069/310, 6-7=-1337/418, 7-8=0/47
BOT CHORD 2-11=-339/1158, 10-11=-152/910, 9-10=-152/910, 7-9=-263/1157
WEBS 3-11=-289/210, 4-11=-46/286, 5-9=-74/309, 6-9=-287/211, 4-9=-101/111

JOINT STRESS INDEX
2 = 0.79, 3 = 0.34, 4 = 0.30, 5 = 0.34, 6 = 0.34, 7 = 0.78, 9 = 0.66, 10 = 0.64 and 11 = 0.35

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 389 lb uplift at joint 2 and 389 lb uplift at joint 7.

LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1129061373

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T03	ROOF TRUSS	5	1	Job Reference (optional)

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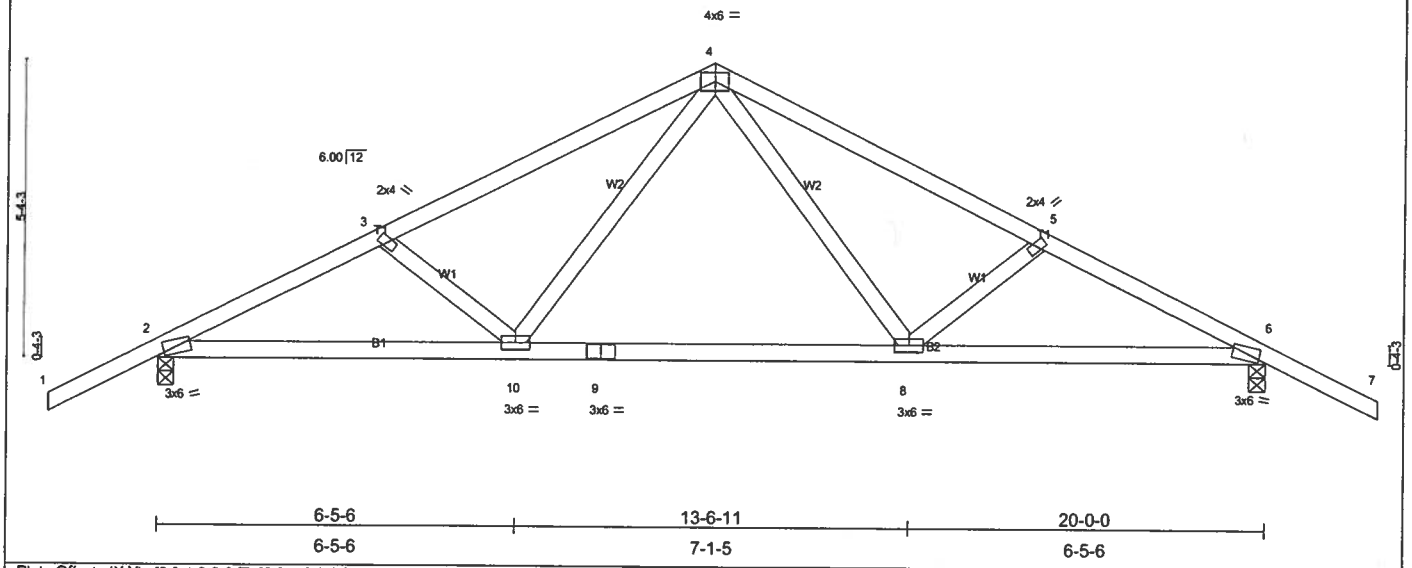
-2-0-0 | 4-1-9 | 10-0-0 | 15-10-8 | 20-0-0 | 22-0-0
2-0-0 | 4-1-9 | 5-10-8 | 5-10-8 | 4-1-9 | 2-0-0

Scale = 1:39.7



6-5-6 | 13-6-11 | 20-0-0
6-5-6 | 7-1-5 | 6-5-6

Plate Offsets (X,Y): [2:0-1-9,0-0-7], [6:0-1-9,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.23	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.81	Vert(TL)	-0.37	8-10	>643	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.22	Horz(TL)	0.04	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 4-6-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-7-12 oc bracing.

REACTIONS (lb/size) 2=1121/0-3-8, 6=1121/0-3-8
Max Horz 2=-108(load case 6)
Max Uplift2=-462(load case 5), 6=-462(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1845/600, 3-4=-1671/542, 4-5=-1671/543, 5-6=-1845/600, 6-7=0/47
BOT CHORD 2-10=-518/1587, 9-10=-254/1058, 8-9=-254/1058, 6-8=-421/1587
WEBS 3-10=-224/203, 4-10=-187/676, 4-8=-187/676, 5-8=-224/203

JOINT STRESS INDEX
2 = 0.81, 3 = 0.34, 4 = 0.60, 5 = 0.34, 6 = 0.81, 8 = 0.49, 9 = 0.56 and 10 = 0.49

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 462 lb uplift at joint 2 and 462 lb uplift at joint 6.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-7=-54, 2-10=-30, 8-10=-80(F=-50), 6-8=-30

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1129061374

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T04	ROOF TRUSS	1	1	Job Reference (optional)

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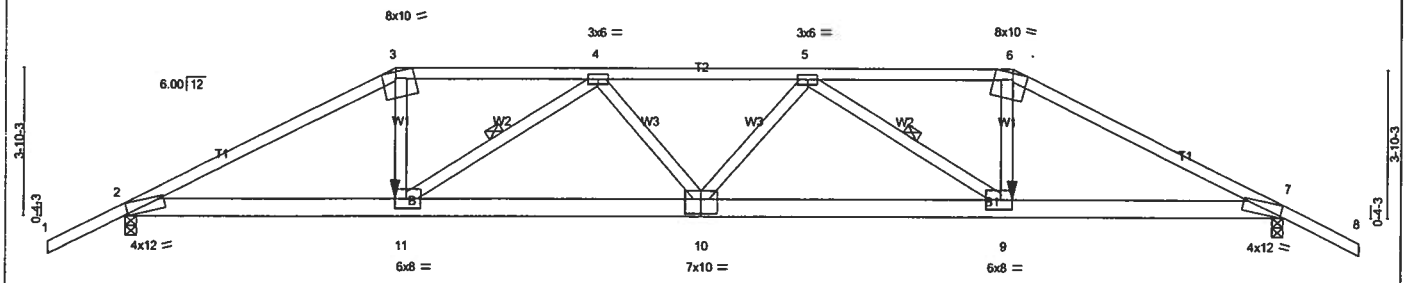
-2-0-0	3-4-3	7-0-0	12-4-0	17-9-0	23-1-0	26-8-13	30-1-0	32-1-0
2-0-0	3-4-3	3-7-13	5-4-0	5-4-15	5-4-0	3-7-13	3-4-3	2-0-0

Scale = 1:57.1



7-0-0	15-0-8	23-1-0	30-1-0
7-0-0	8-0-8	8-0-8	7-0-0

Plate Offsets (X,Y): [2:0-0-13,Edge], [3:0-4-3,Edge], [6:0-4-3,Edge], [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		
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=-89(load case 5)
Max Uplift2=-1158(load case 4), 7=-1158(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 = 0.78, 3 = 0.98, 4 = 0.51, 5 = 0.51, 6 = 0.98, 7 = 0.78, 9 = 0.51, 10 = 0.99 and 11 = 0.51

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1158 lb uplift at joint 2 and 1158 lb uplift at joint 7.
6) Girder carries hip end with 7-0-0 end setback.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 23-1-0, and 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-6=-118(F=-64), 6-8=-54, 2-11=-30, 9-11=-65(F=-35), 7-9=-30
Concentrated Loads (lb)
Vert: 11=-539(F) 9=-539(F)

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

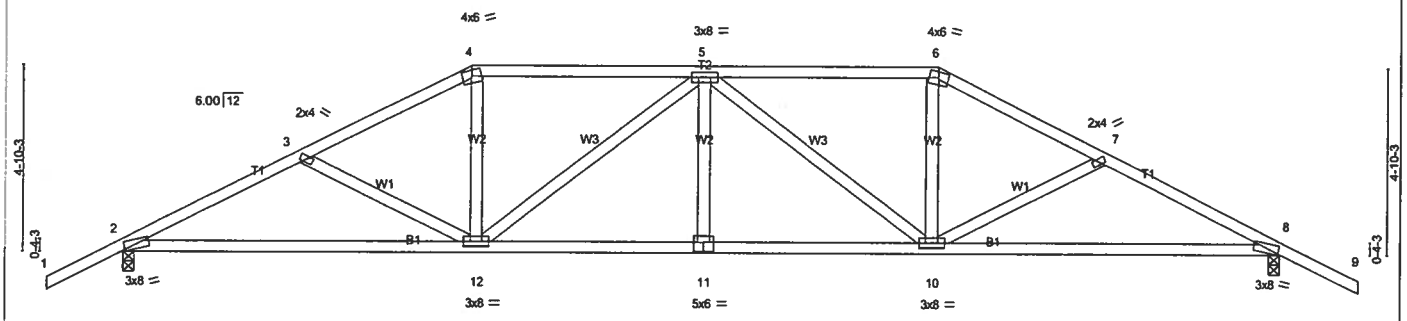
Dwg.#1129061375

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T05	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 29 09:38:33 2006 Page 1

-2-0-0	4-9-4	9-0-0	15-0-8	21-1-0	25-3-12	30-1-0	32-1-0
2-0-0	4-9-4	4-2-12	6-0-8	6-0-8	4-2-12	4-9-4	2-0-0

Scale = 1:57.1



9-0-0	15-0-8	21-1-0	30-1-0
9-0-0	6-0-8	6-0-8	9-0-0

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	0.29	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 8-8-0 oc bracing.

REACTIONS (lb/size) 2=1367/0-3-8, 8=1367/0-3-8
Max Horz 2=101(load case 5)
Max Uplift2=-489(load case 5), 8=-489(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2230/625, 3-4=-1998/550, 4-5=-1762/533, 5-6=-1762/533, 6-7=-1998/550, 7-8=-2230/625, 8-9=0/47
BOT CHORD 2-12=-521/1943, 11-12=-524/2062, 10-11=-524/2062, 8-10=-439/1943
WEBS 3-12=-229/194, 4-12=-85/586, 5-12=-470/222, 5-11=0/129, 5-10=-470/222, 6-10=-85/586, 7-10=-229/195

JOINT STRESS INDEX
2 = 0.83, 3 = 0.34, 4 = 0.63, 5 = 0.57, 6 = 0.63, 7 = 0.34, 8 = 0.83, 10 = 0.57, 11 = 0.50 and 12 = 0.57

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 489 lb uplift at joint 2 and 489 lb uplift at joint 8.

LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1129061376

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T06	ROOF TRUSS	1	1	Job Reference (optional)

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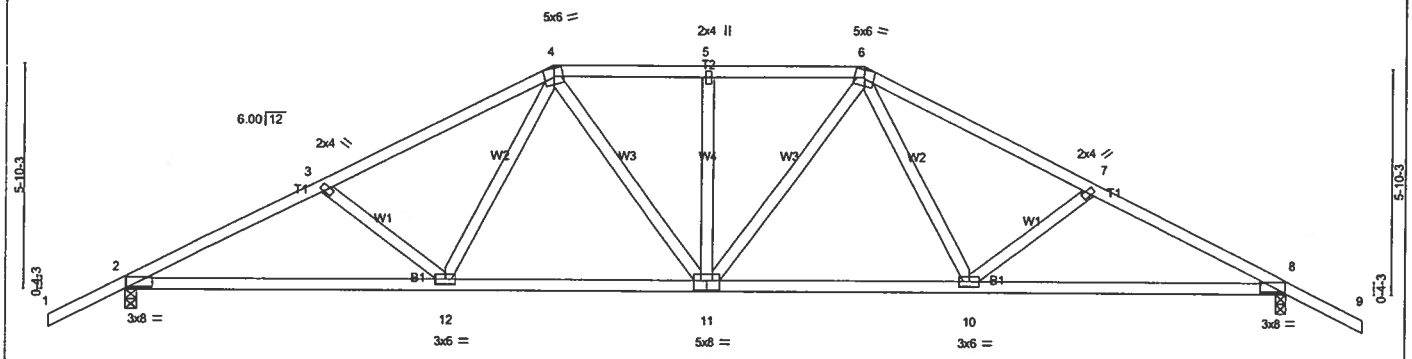
-2-0-0	5-1-15	11-0-0	15-0-8	19-1-0	24-11-1	30-1-0	32-1-0
2-0-0	5-1-15	5-10-1	4-0-8	4-0-8	5-10-1	5-1-15	2-0-0

Scale = 1:57.1



8-2-13	15-0-8	21-10-2	30-1-0
8-2-13	6-9-10	6-9-10	8-2-13

Plate Offsets (X,Y): [2:0-8-4,0-0-10], [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	0.29	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 8-3-4 oc bracing.

REACTIONS (lb/size) 2=1367/0-3-8, 8=1367/0-3-8
Max Horz 2=-115(load case 6)
Max Uplift2=-505(load case 5), 8=-505(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2255/665, 3-4=-2033/587, 4-5=-1678/533, 5-6=-1678/533, 6-7=-2033/587, 7-8=-2255/666, 8-9=0/47
BOT CHORD 2-12=-573/1966, 11-12=-334/1551, 10-11=-282/1551, 8-10=-458/1966
WEBS 3-12=-278/244, 4-12=-107/455, 4-11=-118/339, 5-11=-190/142, 6-11=-118/339, 6-10=-108/455, 7-10=-278/245

JOINT STRESS INDEX
2 = 0.81, 3 = 0.34, 4 = 0.41, 5 = 0.34, 6 = 0.41, 7 = 0.34, 8 = 0.81, 10 = 0.46, 11 = 0.39 and 12 = 0.46

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 505 lb uplift at joint 2 and 505 lb uplift at joint 8.

LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1129061377

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T07	ROOF TRUSS	1	1	Job Reference (optional)

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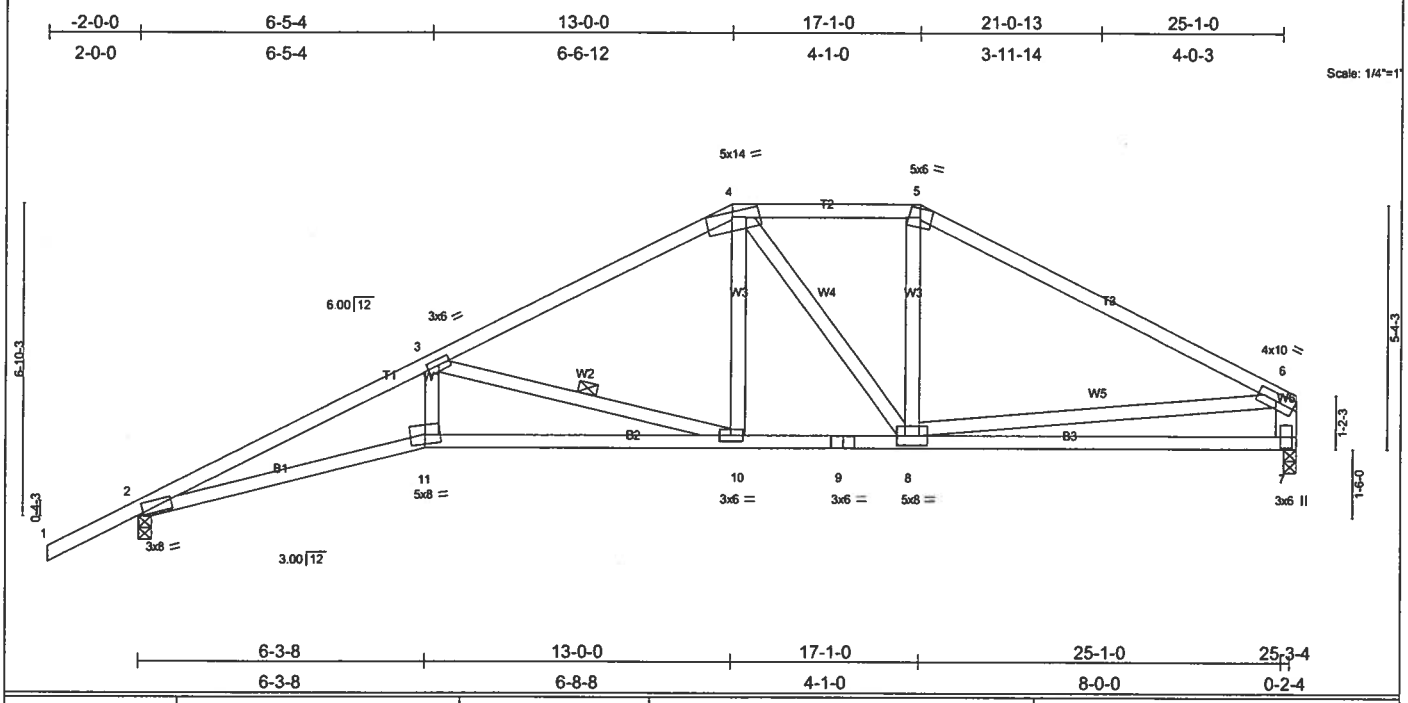

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.27	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	-0.44	10-11	>686	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.42	Horz(TL)	0.18	7	n/a	n/a		
BCDL	5.0	Code 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*
W6 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 6-0-1 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=233(load case 5)
Max Uplift2=-466(load case 5), 7=-309(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-3411/1093, 3-4=-1560/496, 4-5=-1200/431, 5-6=-1439/423, 6-7=-910/335
BOT CHORD 2-11=-1090/3071, 10-11=-1038/2879, 9-10=-380/1340, 8-9=-380/1340, 7-8=-265/558
WEBS 3-11=-209/936, 3-10=-1608/685, 4-10=-155/570, 4-8=-347/135, 5-8=-50/363, 6-8=-177/679

JOINT STRESS INDEX
2 = 0.80, 3 = 0.69, 4 = 0.81, 5 = 0.61, 6 = 0.92, 7 = 0.72, 8 = 0.30, 9 = 0.54, 10 = 0.45 and 11 = 0.92

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 466 lb uplift at joint 2 and 309 lb uplift at joint 7.

LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1129061378

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T08	ROOF TRUSS	4	1	Job Reference (optional)

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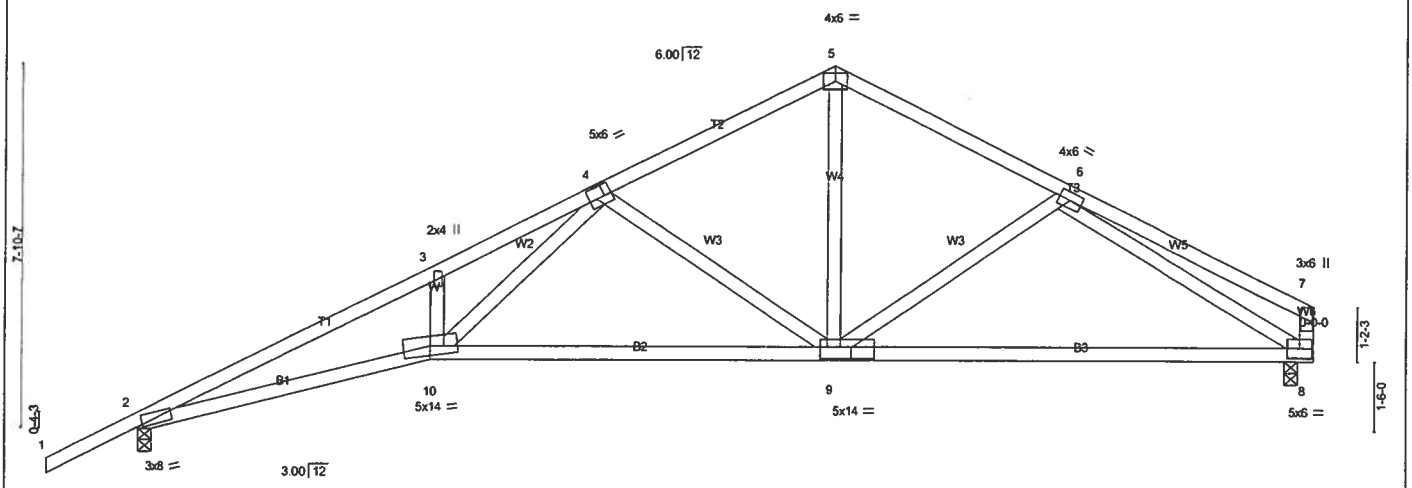
-2-0-0 | 6-5-4 | 10-0-11 | 15-0-8 | 20-0-5 | 25-1-0 | 25-5-0
2-0-0 | 6-5-4 | 3-7-7 | 4-11-13 | 4-11-12 | 5-0-12 | 0-4-0

Scale: 1/4"=1'



6-3-8 | 15-0-8 | 25-1-0 | 25-5-0
6-3-8 | 8-9-0 | 10-0-8 | 0-4-0

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

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	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.48	9-10	>627	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.66	Horz(TL)	0.17	8	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 5-11-11 oc bracing.

REACTIONS (lb/size) 2=1176/0-3-8, 8=1050/0-3-8
Max Horz 2=246(load case 5)
Max Uplift2=-476(load case 5), 8=-324(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-3397/1106, 3-4=-3340/1235, 4-5=-1298/449, 5-6=-1300/467, 6-7=-537/135, 7-8=-359/150
BOT CHORD 2-10=-1109/3052, 9-10=-634/1754, 8-9=-365/1206
WEBS 3-10=-194/218, 4-9=-786/421, 5-9=-235/818, 6-9=-180/207, 6-8=-951/407, 4-10=-632/1655

JOINT STRESS INDEX
2 = 0.80, 3 = 0.34, 4 = 0.75, 5 = 0.41, 6 = 0.30, 7 = 0.50, 8 = 0.60, 9 = 0.68 and 10 = 0.98

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) 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 476 lb uplift at joint 2 and 324 lb uplift at joint 8.

LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

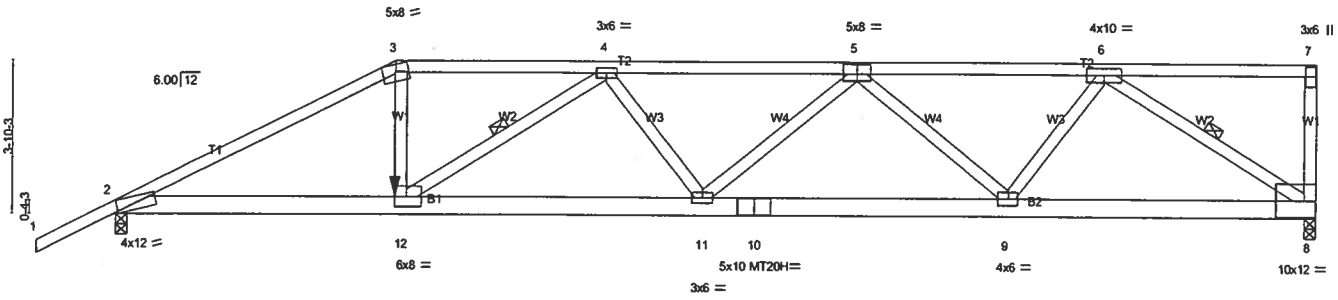
Dwg.#1129061379

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T09	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 29 09:38:37 2006 Page 1

-2-0-0	3-4-3	7-0-0	12-4-0	18-6-8	24-9-0	30-1-0
2-0-0	3-4-3	3-7-13	5-4-0	6-2-8	6-2-8	5-4-0

Scale = 1:55.1



7-0-0	14-8-10	22-4-6	30-1-0
7-0-0	7-8-10	7-7-11	7-8-10

Plate Offsets (X,Y): [2:0-0-13,Edge], [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* T1 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 Uplift8=-1246(load case 3), 2=-1128(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=-34/455, 5-9=-1574/910, 6-9=-588/1895, 6-8=-4031/1893

JOINT STRESS INDEX
2 = 0.77, 3 = 0.98, 4 = 0.46, 5 = 0.78, 6 = 0.92, 7 = 0.59, 8 = 0.69, 9 = 0.92, 10 = 0.71, 11 = 0.41 and 12 = 0.49

NOTES
1) Wind: ASCE 7-02; 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.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1246 lb uplift at joint 8 and 1128 lb uplift at joint 2.
6) Girder carries hip end with 0-0-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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, 3-7=-118(F=-64), 2-12=-30, 8-12=-65(F=-35)
Concentrated Loads (lb)
Vert: 12=-539(F)

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

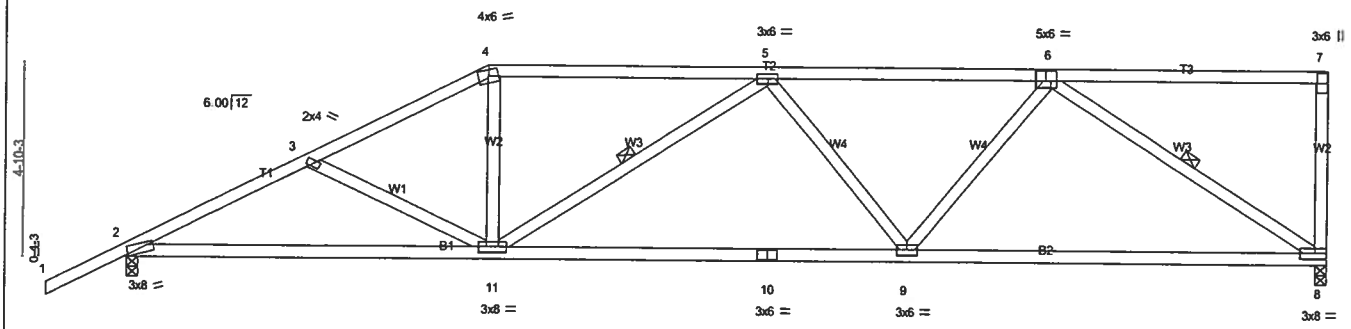
Dwg.#1129061380

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T10	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 29 09:38:38 2006 Page 1

-2-0-0	4-7-15	9-0-0	15-11-9	23-1-7	30-1-0
2-0-0	4-7-15	4-4-1	6-11-9	7-1-14	6-11-9

Scale = 1:55.1



9-0-0	19-6-7	30-1-0
9-0-0	10-6-7	10-6-8

Plate Offsets (X,Y): [2:0-0-10,Edge], [6:0-2-12,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.78	Vert(LL)	-0.26	9-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.44	9-11	>816	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.09	8	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 7-2-9 oc bracing.
WEBS 1 Row at midpt 5-11, 6-8

REACTIONS (lb/size) 8=1247/0-3-8, 2=1371/0-3-8
Max Horz 2=272(load case 5)
Max Uplift8=-457(load case 4), 2=-479(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2250/653, 3-4=-2030/623, 4-5=-1793/593, 5-6=-1885/636, 6-7=-82/13, 7-8=-176/115
BOT CHORD 2-11=-674/1958, 10-11=-761/2054, 9-10=-761/2054, 8-9=-564/1462
WEBS 3-11=-204/192, 4-11=-88/565, 5-11=-313/252, 5-9=-273/203, 6-9=-116/685, 6-8=-1659/663

JOINT STRESS INDEX
2 = 0.77, 3 = 0.34, 4 = 0.76, 5 = 0.39, 6 = 0.62, 7 = 0.49, 8 = 0.68, 9 = 0.47, 10 = 0.88 and 11 = 0.57

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 457 lb uplift at joint 8 and 479 lb uplift at joint 2.

LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

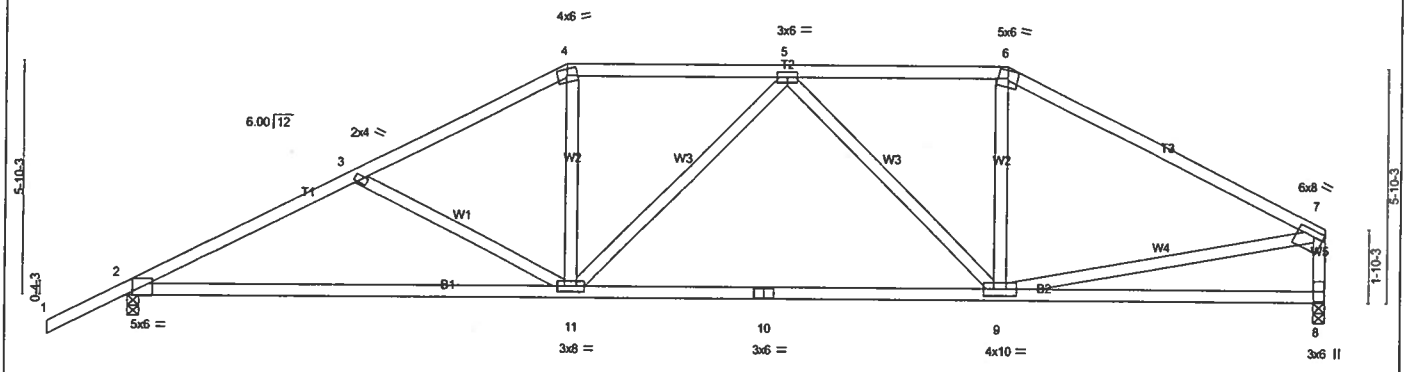
Dwg.#1129061381

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T11	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 29 09:38:39 2006 Page 1

-2-0-0	5-9-15	11-0-0	16-6-8	22-1-0	25-11-9	30-1-0
2-0-0	5-9-15	5-2-2	5-6-8	5-6-8	3-10-9	4-1-7

Scale = 1:55.1



11-0-0	22-1-0	30-1-0
11-0-0	11-1-0	8-0-0

Plate Offsets (X,Y): [2:0-1-11,Edge], [7:Edge,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	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*
W5 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 7-11-0 oc bracing.

REACTIONS (lb/size) 2=1371/0-3-8, 8=1247/0-3-8
Max Horz 2=192(load case 5)
Max Uplift2=-505(load case 5), 8=-352(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2191/655, 3-4=-1876/528, 4-5=-1631/519, 5-6=-1389/475, 6-7=-1643/468, 7-8=-1136/369
BOT CHORD 2-11=-629/1910, 10-11=-464/1641, 9-10=-464/1641, 8-9=-152/263
WEBS 3-11=-336/268, 4-11=-62/516, 5-11=-137/164, 5-9=-461/226, 6-9=-43/399, 7-9=-299/1140

JOINT STRESS INDEX
2 = 0.70, 3 = 0.34, 4 = 0.62, 5 = 0.37, 6 = 0.66, 7 = 0.87, 8 = 0.50, 9 = 0.51, 10 = 0.87 and 11 = 0.57

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 505 lb uplift at joint 2 and 352 lb uplift at joint 8.

LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

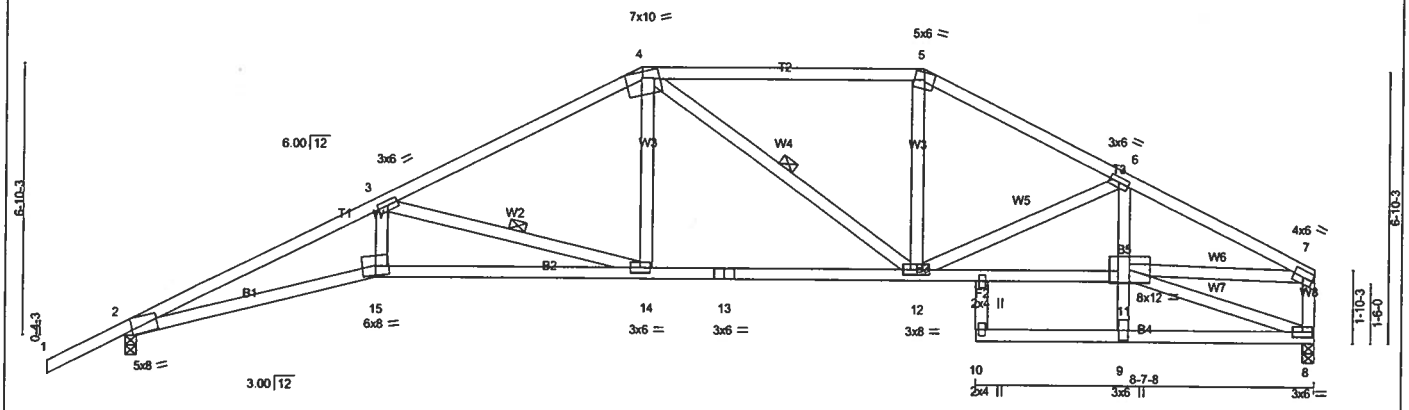
Dwg.#1129061382

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T12	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 29 09:38:40 2006 Page 1

-2-0-0	6-3-8	6-5-4	13-0-0	20-1-0	25-1-0	27-9-2	30-1-0
2-0-0	6-3-8	0-1-12	6-6-12	7-1-0	5-0-0	2-8-2	2-3-14

Scale = 1:55.6



6-3-8	13-0-0	20-1-0	25-1-0	30-1-0
6-3-8	6-8-8	7-1-0	5-0-0	5-0-0

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	0.52	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* B5 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except* W8 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 5-8-8 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=205(load case 5)
Max Uplift2=-514(load case 5), 8=-352(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4292/1256, 3-4=-2218/625, 4-5=-1788/531, 5-6=-2034/545, 6-7=-2662/624, 7-8=-1327/365
BOT CHORD 2-15=-1209/3867, 14-15=-1150/3642, 13-14=-469/1939, 12-13=-469/1939, 11-12=-506/2349, 9-11=0/195, 6-11=0/317, 9-10=0/0, 8-9=-60/0
WEBS 3-15=-241/1116, 3-14=-1781/709, 4-14=-144/677, 4-12=-309/150, 5-12=-96/541, 6-12=-635/229, 8-11=-21/171, 7-11=-445/2209

JOINT STRESS INDEX
2 = 0.83, 3 = 0.83, 4 = 0.77, 5 = 0.65, 6 = 0.41, 7 = 0.77, 8 = 0.57, 9 = 0.42, 10 = 0.34, 11 = 0.63, 12 = 0.57, 13 = 0.67, 14 = 0.50, 15 = 0.95 and 16 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 514 lb uplift at joint 2 and 352 lb uplift at joint 8.

LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

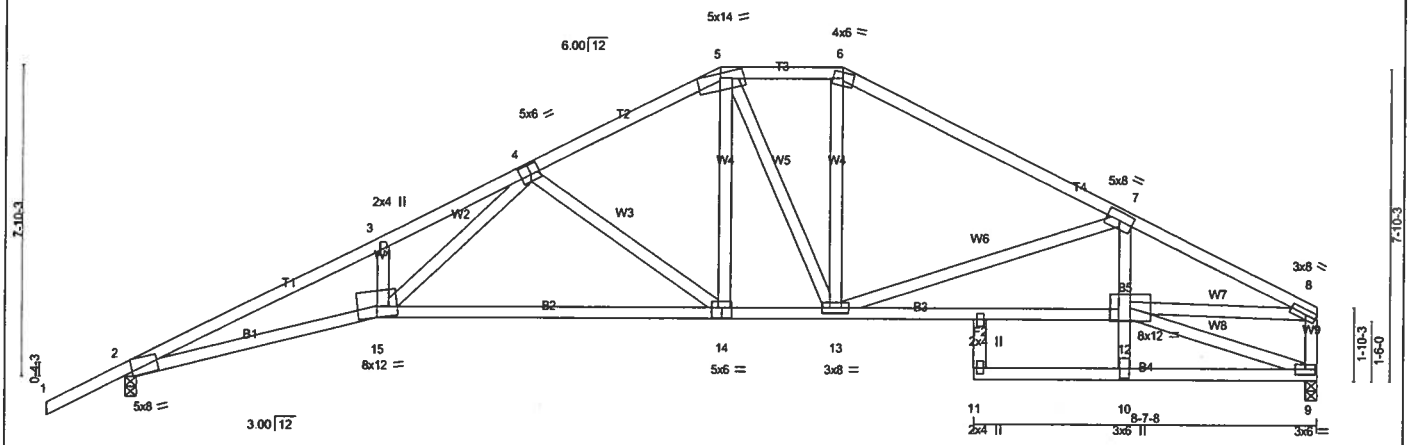
Dwg.#1129061383

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T13	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 29 09:38:41 2006 Page 1

-2-0-0	6-3-8	6-5-4	10-2-6	15-0-0	18-1-0	25-1-0	27-9-2	30-1-0
2-0-0	6-3-8	0-1-12	3-9-2	4-9-10	3-1-0	7-0-0	2-8-2	2-3-14

Scale = 1:55.6



6-3-8	15-0-0	18-1-0	25-1-0	30-1-0
6-3-8	8-8-8	3-1-0	7-0-0	5-0-0

Plate Offsets (X,Y): [2:0-2-7,Edge], [4:0-2-12,0-3-0], [14:0-3-0,0-3-4], [15:0-6-0,0-3-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	-0.45	14-15	>800	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.85	Vert(TL)	-0.73	14-15	>488	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.95	Horz(TL)	0.33	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 182 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B5 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 2-3-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-7-9 oc bracing.
JOINTS 1 Brace at Jt(s): 12

REACTIONS (lb/size) 2=1396/0-3-8, 9=1335/0-3-8
Max Horz 2=219(load case 5)
Max Uplift2=-526(load case 5), 9=-366(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4302/1276, 3-4=-4227/1404, 4-5=-1876/580, 5-6=-1592/530, 6-7=-1855/541, 7-8=-2688/655, 8-9=-1328/370
BOT CHORD 2-15=-1235/3877, 14-15=-725/2337, 13-14=-377/1630, 12-13=-572/2447, 10-12=0/195, 7-12=0/360, 10-11=0/0, 9-10=-89/0
WEBS 3-15=-171/215, 4-15=-671/1935, 4-14=-887/435, 5-14=-222/730, 6-13=-106/512, 7-13=-915/333, 9-12=0/174, 8-12=-489/2252, 5-13=-248/96

JOINT STRESS INDEX
2 = 0.83, 3 = 0.34, 4 = 0.81, 5 = 0.39, 6 = 0.81, 7 = 0.59, 8 = 1.00, 9 = 0.56, 10 = 0.44, 11 = 0.34, 12 = 0.76, 13 = 0.64, 14 = 0.80, 15 = 0.97 and 16 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 526 lb uplift at joint 2 and 366 lb uplift at joint 9.

LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

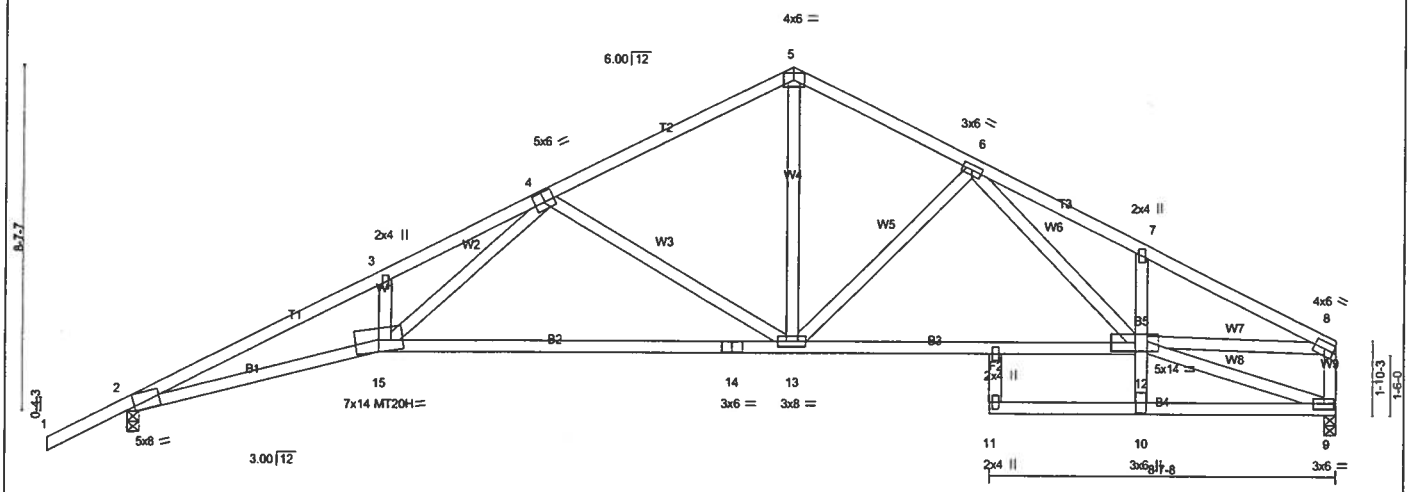
Dwg.#1129061384

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T14	ROOF TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 29 09:38:42 2006 Page 1

-2-0-0	6-3-8	6-5-4	10-6-7	16-6-8	20-11-14	25-1-0	27-9-2	30-1-0
2-0-0	6-3-8	0-1-12	4-1-3	6-0-1	4-5-6	4-1-2	2-8-2	2-3-14

Scale = 1:54.9



6-3-8	16-6-8	25-1-0	30-1-0
6-3-8	10-3-0	8-6-8	5-0-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	-0.52	13-15	>687	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.92	Vert(TL)	-0.86	13-15	>416	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.87	Horz(TL)	0.32	9	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*
B5 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 2-3-4 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, 9=1335/0-3-8
Max Horz 2=230(load case 5)
Max Uplift2=-533(load case 5), 9=-376(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4324/1309, 3-4=-4245/1433, 4-5=-1718/540, 5-6=-1689/567, 6-7=-2645/761, 7-8=-2617/655, 8-9=-1337/387
BOT CHORD 2-15=-1276/3898, 14-15=-755/2297, 13-14=-755/2297, 12-13=-424/1807, 10-12=0/195, 7-12=-242/218, 10-11=0/0, 9-10=-102/0
WEBS 3-15=-159/207, 4-15=-676/1991, 4-13=-964/496, 5-13=-297/1159, 6-13=-515/265, 6-12=-194/761, 9-12=-17/219, 8-12=-470/2170

JOINT STRESS INDEX
2 = 0.84, 3 = 0.34, 4 = 0.71, 5 = 0.56, 6 = 0.50, 7 = 0.34, 8 = 0.76, 9 = 0.57, 10 = 0.46, 11 = 0.34, 12 = 0.68, 13 = 0.58, 14 = 0.89, 15 = 0.65 and 16 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All plates are MT20 plates unless otherwise indicated.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 533 lb uplift at joint 2 and 376 lb uplift at joint 9.

LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

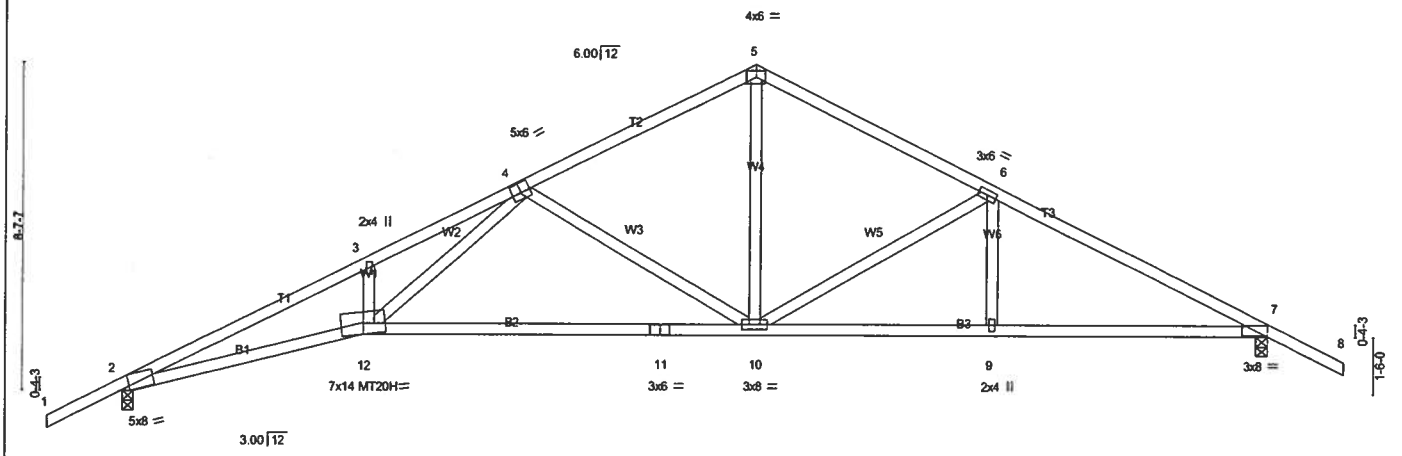
Dwg.#1129061385

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T15	ROOF TRUSS	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 29 09:38:43 2006 Page 1

-2-0-0	6-3-8	6-5-4	10-6-7	16-6-8	22-10-2	30-1-0	32-1-0
2-0-0	6-3-8	0-1-12	4-1-3	6-0-1	6-3-10	7-2-14	2-0-0

Scale = 1:57.9



6-3-8	16-6-8	22-10-2	30-1-0
6-3-8	10-3-0	6-3-10	7-2-14

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.68	Vert(LL)	-0.53	10-12	>672	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.93	Vert(TL)	-0.88	10-12	>406	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.25	7	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 2-4-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 2=1367/0-3-8, 7=1367/0-3-8
Max Horz 2=202(load case 5)
Max Uplift2=-538(load case 5), 7=-516(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4217/1299, 3-4=-4140/1424, 4-5=-1633/547, 5-6=-1640/570, 6-7=-2217/635, 7-8=0/47
BOT CHORD 2-12=-1238/3801, 11-12=-728/2213, 10-11=-728/2213, 9-10=-467/1898, 7-9=-467/1898
WEBS 3-12=-159/208, 4-12=-663/1976, 4-10=-952/488, 5-10=-292/1057, 6-10=-607/317, 6-9=0/191

JOINT STRESS INDEX
2 = 0.82, 3 = 0.34, 4 = 0.70, 5 = 0.57, 6 = 0.41, 7 = 0.71, 9 = 0.34, 10 = 0.57, 11 = 0.89 and 12 = 0.66

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All plates are MT20 plates unless otherwise indicated.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 538 lb uplift at joint 2 and 516 lb uplift at joint 7.

LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1129061386

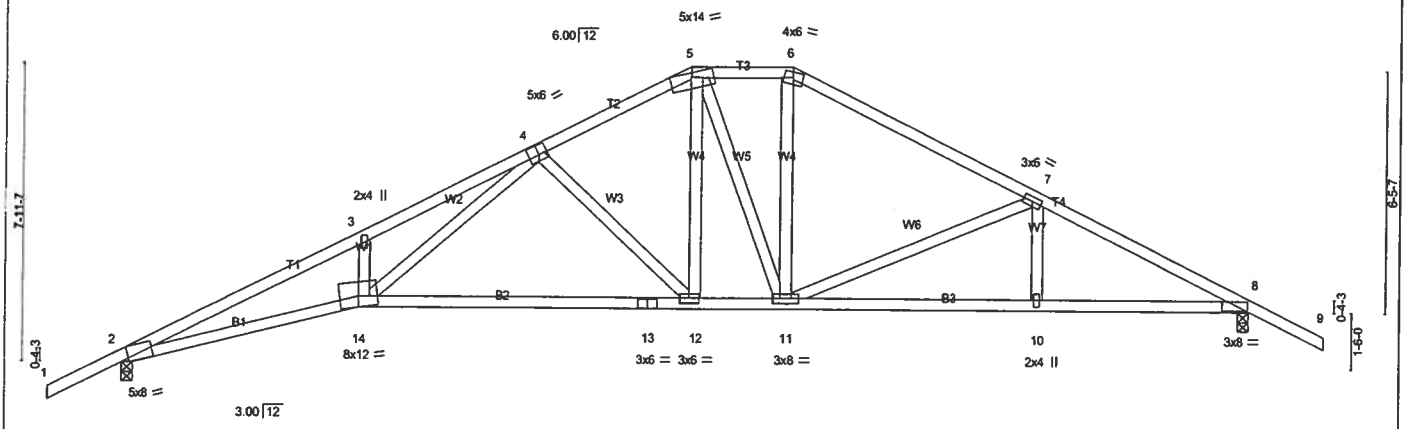
Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T16	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industnes, Inc. Wed Nov 29 09:38:44 2006 Page 1

-2-0-0 | 6-5-4 | 11-1-8 | 15-2-8 | 17-10-8 | 24-5-0 | 30-1-0 | 32-1-0

2-0-0 | 6-5-4 | 4-8-4 | 4-1-0 | 2-8-0 | 6-6-8 | 5-8-0 | 2-0-0

Scale = 1:58.6



6-3-8 | 15-2-8 | 17-10-8 | 24-5-0 | 30-1-0

6-3-8 | 8-11-0 | 2-8-0 | 6-6-8 | 5-8-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	-0.46	12-14	>783	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.75	12-14	>478	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.66	Horz(TL)	0.25	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 162 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-7-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-8-3 oc bracing.

REACTIONS (lb/size) 2=1367/0-3-8, 8=1367/0-3-8
Max Horz 2=192(load case 5)
Max Uplift2=-532(load case 5), 8=-507(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4187/1276, 3-4=-4131/1423, 4-5=-1753/583, 5-6=-1481/537, 6-7=-1724/552, 7-8=-2319/640, 8-9=0/47
BOT CHORD 2-14=-1209/3773, 13-14=-630/2084, 12-13=-630/2084, 11-12=-341/1531, 10-11=-472/2002, 8-10=-472/2002
WEBS 3-14=-206/245, 4-14=-739/2058, 4-12=-787/406, 5-12=-243/772, 6-11=-113/469, 7-11=-587/282, 7-10=0/199, 5-11=-289/68

JOINT STRESS INDEX
2 = 0.81, 3 = 0.34, 4 = 0.86, 5 = 0.38, 6 = 0.71, 7 = 0.41, 8 = 0.78, 10 = 0.34, 11 = 0.66, 12 = 0.50, 13 = 0.75 and 14 = 0.95

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 532 lb uplift at joint 2 and 507 lb uplift at joint 8.

LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

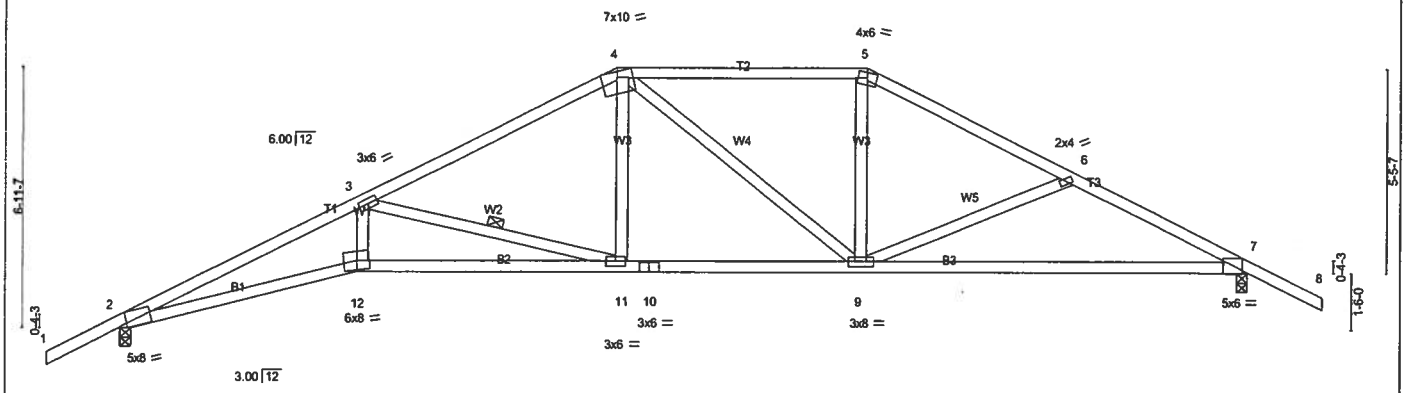
Dwg.#1129061387

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T17	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 29 09:38:44 2006 Page 1

-2-0-0	6-5-4	13-2-8	19-10-8	25-2-15	30-1-0	32-1-0
2-0-0	6-5-4	6-9-4	6-8-0	5-4-7	4-10-1	2-0-0

Scale = 1:58.6



6-3-8	13-2-8	19-10-8	30-1-0
6-3-8	6-11-0	6-8-0	10-2-8

Plate Offsets (X,Y): [2:0-2-6,Edge], [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 5-9-3 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=178(load case 5)
Max Uplift2=-520(load case 5), 7=-493(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4186/1255, 3-4=-2095/624, 4-5=-1672/514, 5-6=-1919/529, 6-7=-2219/652, 7-8=0/47
BOT CHORD 2-12=-1181/3776, 11-12=-1125/3550, 10-11=-438/1824, 9-10=-438/1824, 7-9=-470/1943
WEBS 3-12=-230/1106, 3-11=-1799/713, 4-11=-149/637, 4-9=-312/148, 5-9=-97/504, 6-9=-308/251

JOINT STRESS INDEX
2 = 0.81, 3 = 0.82, 4 = 0.76, 5 = 0.80, 6 = 0.34, 7 = 0.75, 9 = 0.57, 10 = 0.71, 11 = 0.50 and 12 = 0.96

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 520 lb uplift at joint 2 and 493 lb uplift at joint 7.

LOAD CASE(S) Standard

NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1129061388

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T18	ROOF TRUSS	1	1	Job Reference (optional)

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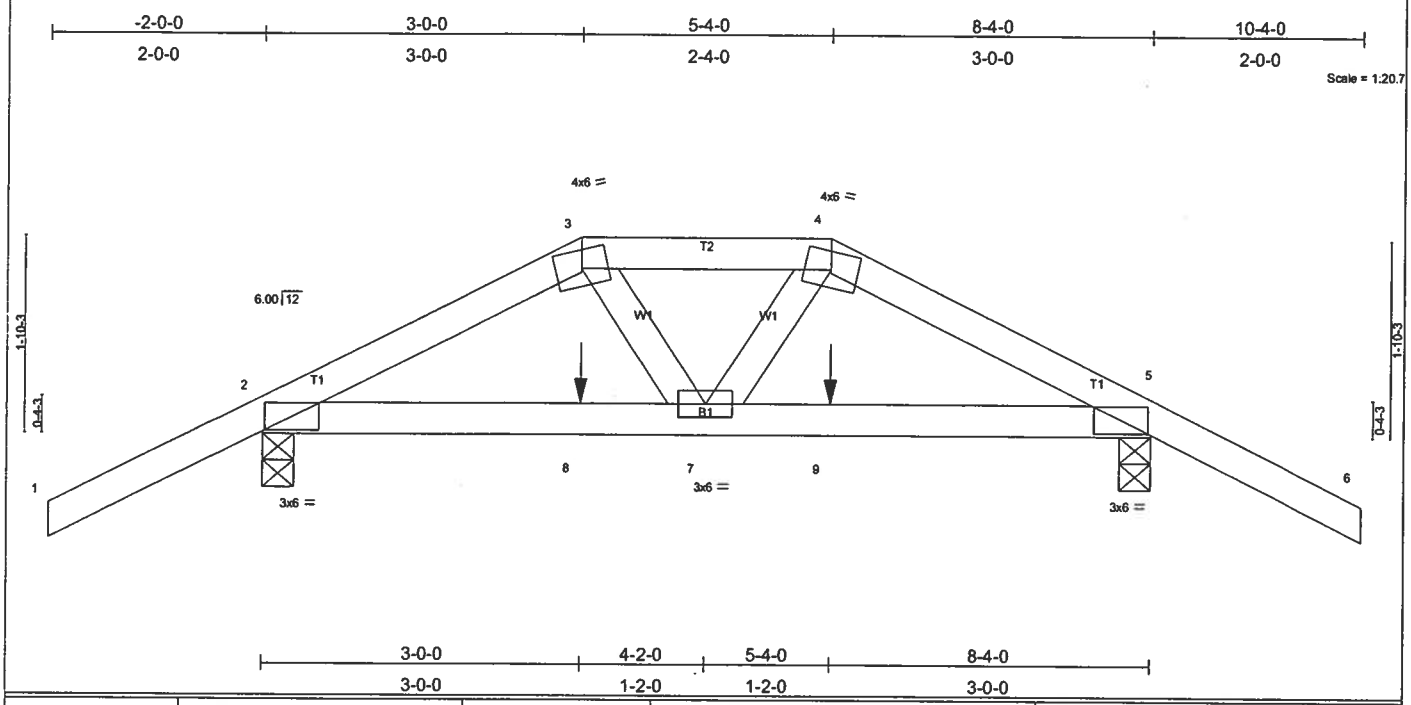

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.01	2-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	-0.02	2-7	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.05	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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=59(load case 4)
Max Uplift2=-378(load case 4), 5=-378(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 = 0.59, 3 = 0.15, 4 = 0.15, 5 = 0.59 and 7 = 0.12

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 378 lb uplift at joint 2 and 378 lb uplift at joint 5.
6) Girder carries hip end with 3-0-0 end setback.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 63 lb down and 32 lb up at 5-4-0, and 63 lb down and 32 lb up at 3-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
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=-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)

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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#1129061389

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 49 CCP
L218986	T19	ROOF TRUSS	2	1	Job Reference (optional)

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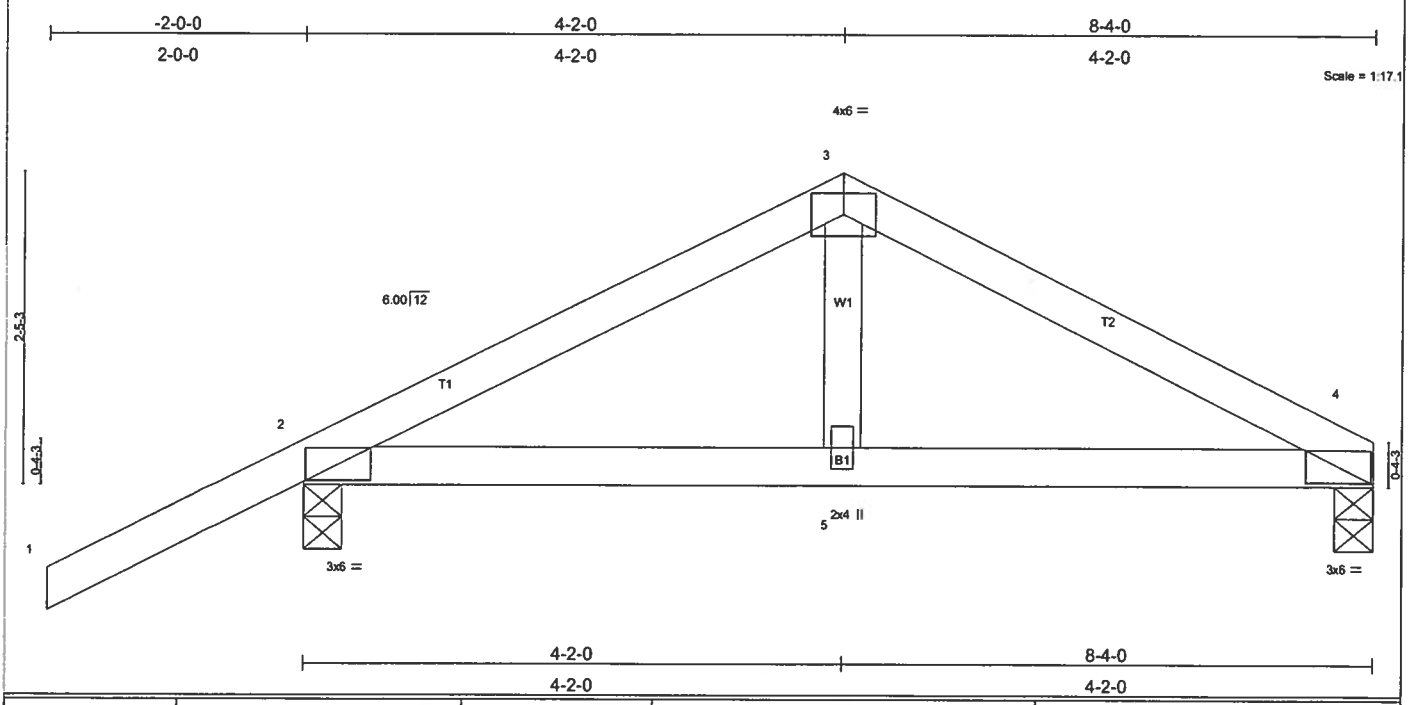

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.03	4-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.02	4-5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(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 10-0-0 oc bracing.

REACTIONS (lb/size) 4=322/0-3-8, 2=469/0-3-8
Max Horz 2=92(load case 5)
Max Uplift4=-204(load case 6), 2=-351(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-445/394, 3-4=-438/382
BOT CHORD 2-5=-297/349, 4-5=-297/349
WEBS 3-5=-228/144

JOINT STRESS INDEX
2 = 0.69, 3 = 0.28, 4 = 0.69 and 5 = 0.11

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 204 lb uplift at joint 4 and 351 lb uplift at joint 2.

LOAD CASE(S) Standard

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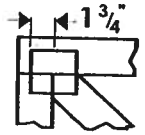
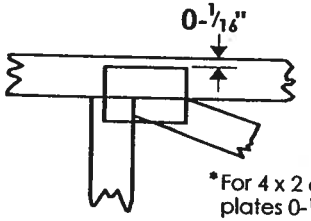
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Symbols

PLATE LOCATION AND ORIENTATION



*Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and securely seat.



*For 4 x 2 orientation, locate plates 0-1/16" from outside edge of truss.

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

***Plate location details available in MiTek 20/20 software or upon request.**

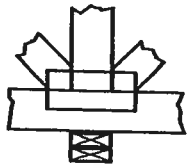
PLATE SIZE

4 x 4 — The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING

Indicated by symbol shown and/or by text in the bracing section of the output. Use T, I or Eliminator bracing if indicated.

BEARING

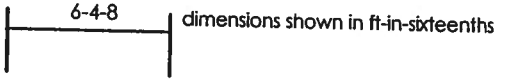


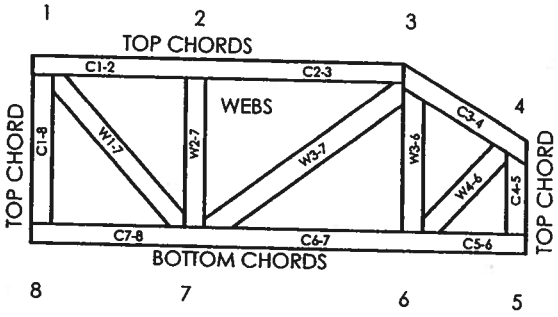
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI1: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

Numbering System





JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 95-43, 96-20-1, 96-67, 84-32
ICBO	4922, 5243, 5363, 3907
SBCCI	9667, 9730, 9604B, 9511, 9432A

MiTek®

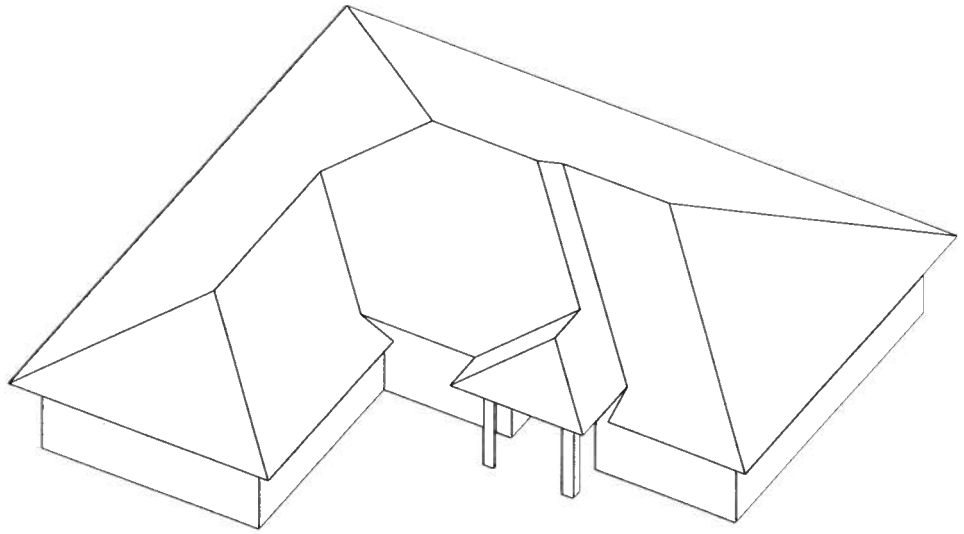
TEE-LOK®

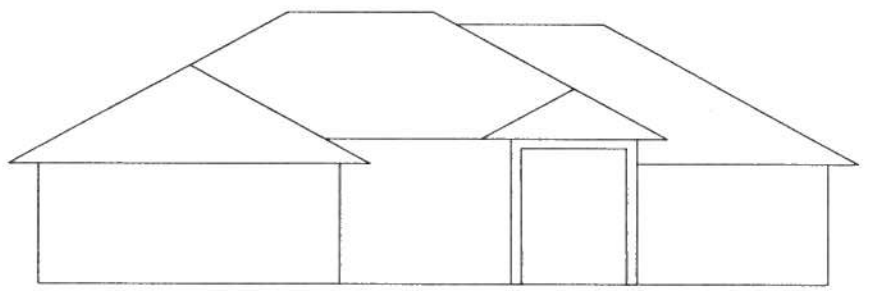
MiTek Engineering Reference Sheet: MII-7473

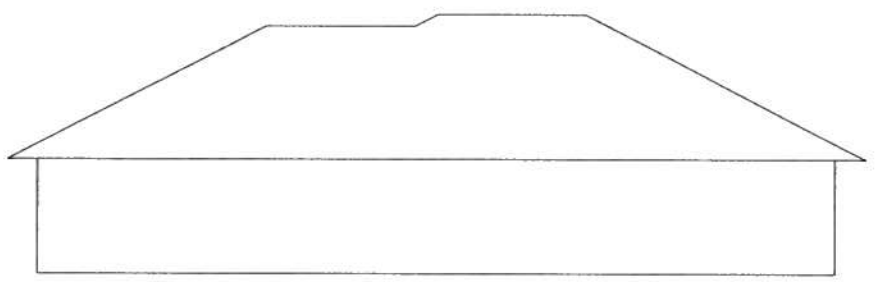
General Safety Notes

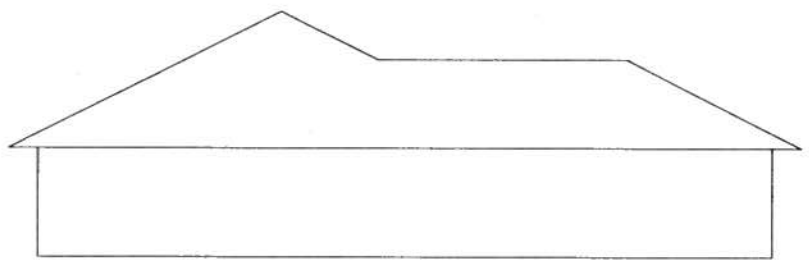
Failure to Follow Could Cause Property Damage or Personal Injury

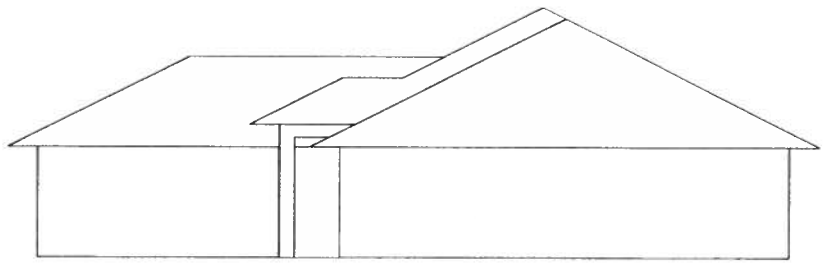
1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI1.
2. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
3. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
4. Cut members to bear tightly against each other.
5. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI1.
6. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI1.
7. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
8. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
9. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
10. Plate type, size, orientation and location dimensions shown indicate minimum plating requirements.
11. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
12. Top chords must be sheathed or purlins provided at spacing shown on design.
13. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
14. Connections not shown are the responsibility of others.
15. Do not cut or alter truss member or plate without prior approval of a professional engineer.
16. Install and load vertically unless indicated otherwise.



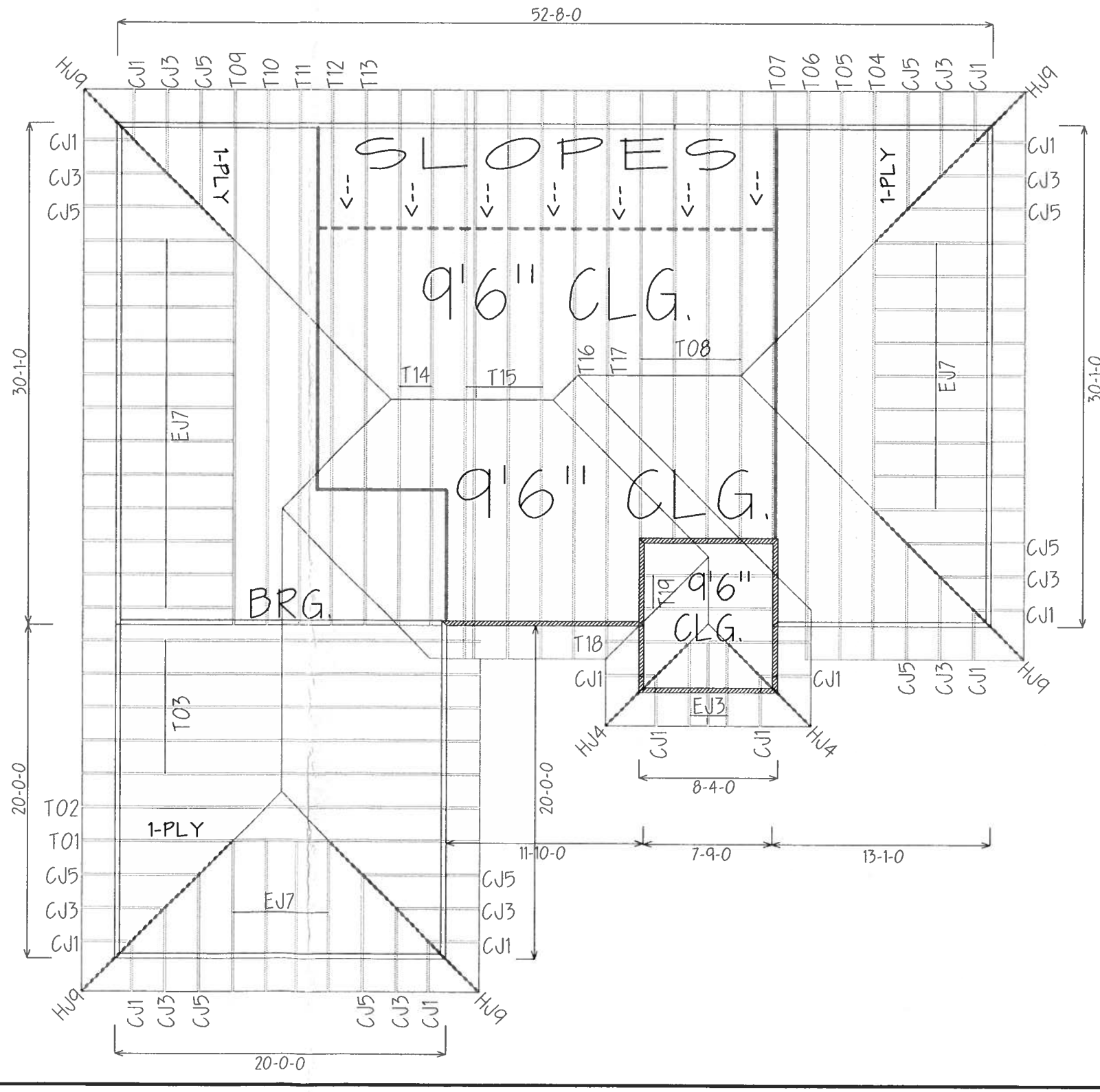








6/12 PITCH
2'0" O/H



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: 904-755-7473

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

BUILDER:	GIEBEIG HOMES
LEGAL ADDRESS:	LOT 49 CANNON CREEK
MODEL: ST. JOHNS	REVISION:
	SCALE: NTS
DATE: 11-29-06	DRAWN BY: K.L.H.
	JOB #: L218986