DATE 12/12/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000025304

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 150 SW VANN COURT LAKE CITY FL 32025

CONTRACTOR B. TRENT GIEBEIG PHONE 386.397.0545

LOCATION OF PROPERTY SR.247-S TO MAY-FAIR S.D,TR TO VANN CT., TR AND IT'S THE 2ND LOT ON L.

TYPE DEVELOPMENT SF/UTILITY ESTIMATED COST OF CONSTRUCTION 94350.00

HEATED FLOOR AREA 1887.00 TOTAL AREA 2642.00 HEIGHT 16.11 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 11-4S-16-02914-314 SUBDIVISION MAY FAIR

LOT 14 BLOCK PHASE UNIT 3 TOTAL ACRES 0.50

000001277		R282811523		
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
18"X32'MITERED	06-01049N	BLK	JTH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE. 1ST.FLOOR TO BE 1 FOOT ABOVE ROAD.

Check # or Cash 2351

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 $ 475.00 CERTIFICATION FEE $ 13.21 SURCHARGE FEE $ 13.21

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** 601.42

INSPECTORS OFFICE CH 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:2006027971 Date:11/28/2006 Time:11:40
DC,P.DeWitt Cason,Columbia County B:1103 P:259

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 #14 May Fair Unit III
150 SW Vann Court
Lake City, Fl. 32024

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.
1697 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

CK 2351

Columbia County Building Permit Application

For Office Use Only Application # 0612-25 Date Received 12/6/06 By GT Permit # 12772/25304

Application Approved by - Zoning Official BLK Date 12.12.06 Plans Examiner OK JTH 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 PLANS 1st Floor to be 1 ft above Rd.

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

Name Authorized Person Signing Permit Trent Gieberg Phone 397-0545 Fax

Address 697 SE Holly Terrace Lake City FL 32025

Owners Name Pete Gieberg Phone 752-0791

911 Address 150 SW Vann Court Lake City FL 32024

Contractors Name Trent Gieberg Const 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 Group

Mortgage Lenders Name & Address —

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

Property ID Number 11-4S-16-02914-314 Estimated Cost of Construction 120,000

Subdivision Name Mayfair Unit III Lot 14 Block — Unit III Phase —

Driving Directions 247 South Right into Mayfair turn Right Vann Ct second lot on left.

Type of Construction Frame Number of Existing Dwellings on Property —

Total Acreage .50 Lot Size .50 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 30 Side 30 Side 27'3" Rear 98'6"

Total Building Height 16'11" Number of Stories 1 Heated Floor Area 1887 / 2642 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

Competency Card Number —

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 —

Notary Signature

(Revised Sept. 2006)

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001277

DATE 12/13/2006 PARCEL ID # 11-4S-16-02914-314

APPLICANT B. TRENT GIEBEIG PHONE 386.397.0545

ADDRESS 697 SE HOLLY TERRACE LAKE CITY FL 32025

OWNER PETER W. GIEBEIG PHONE 386.397.0545

ADDRESS 150 SW VANN COURT LAKE CITY FL 32024

CONTRACTOR B. TRENT GIEBEIG PHONE 386.397.0545

LOCATION OF PROPERTY SR.247-S TO MAY-FAIR S.D TR TO VANN CT,TR IT'S THE 2ND LOT ON L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT MAY-FAIR 14 III

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

COLUMBIA COUNTY GATEWAY TO FLORIDA

Columbia County Property Appraiser

DB Last Updated: 11/20/2006

Parcel: 11-4S-16-02911-314

2007 Proposed Values

Tax Record | Property Card | Interactive GIS Map | Print

<< Prev Search Result: 22 of 69 Next >>

Owner & Property Info

Owner's Name	GIEBEIG PETER W		
Site Address	VANN		
Mailing Address	P O BOX 1384 LAKE CITY, FL 32056		
Use Desc. (code)	VACANT (000000)		
Neighborhood	11416.00	**Tax District**	2
UD Codes	MKTA06	**Market Area**	06
Total Land Area	0.500 ACRES		
Description			

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (1)	$52,500.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$52,500.00

Just Value	$52,500.00
Class Value	$0.00
Assessed Value	$52,500.00
Exempt Value	$0.00
Total Taxable Value	$52,500.00

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 - (.500AC)	1.00/1.00/1.00/1.00	$52,500.00	$52,500.00

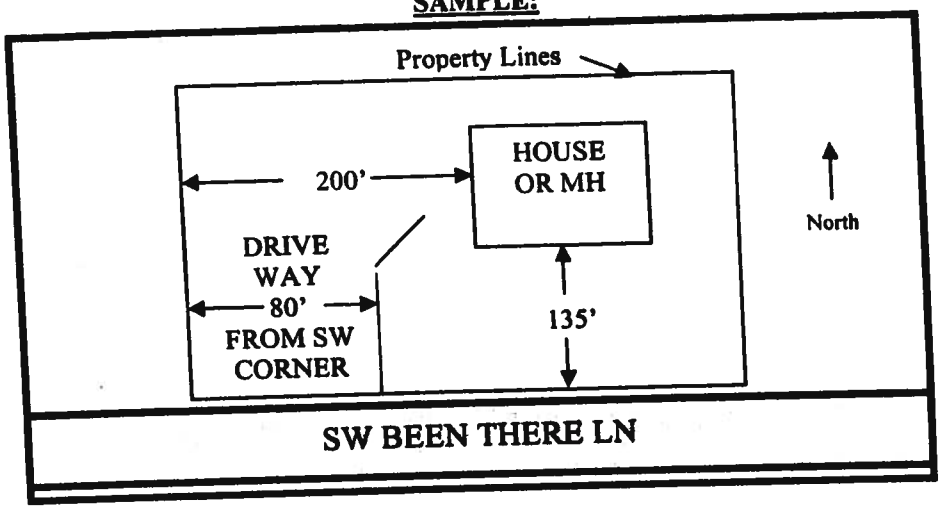
Columbia County Property Appraiser

DB Last Updated: 11/20/2006

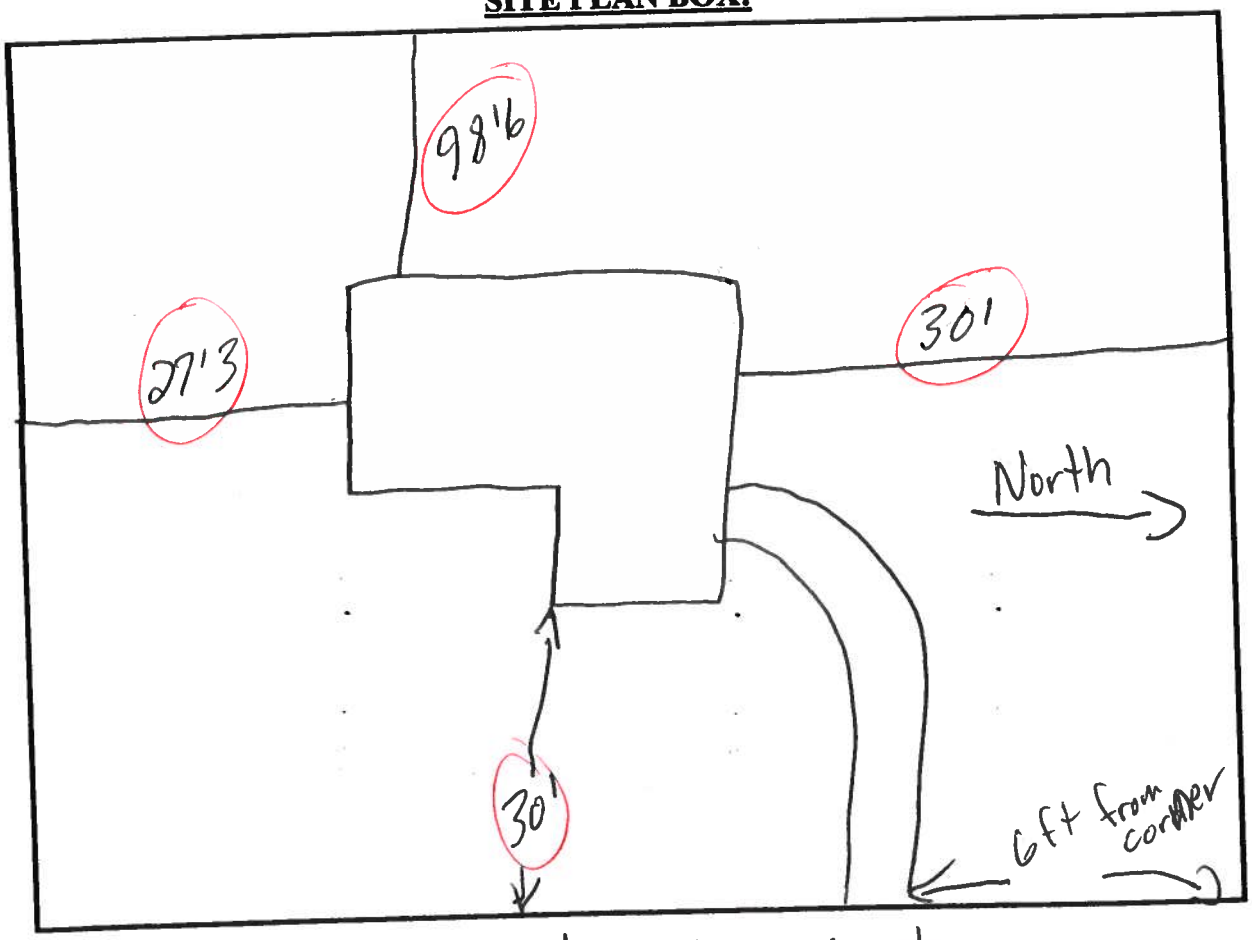
<< Prev 22 of 69 Next >>

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:

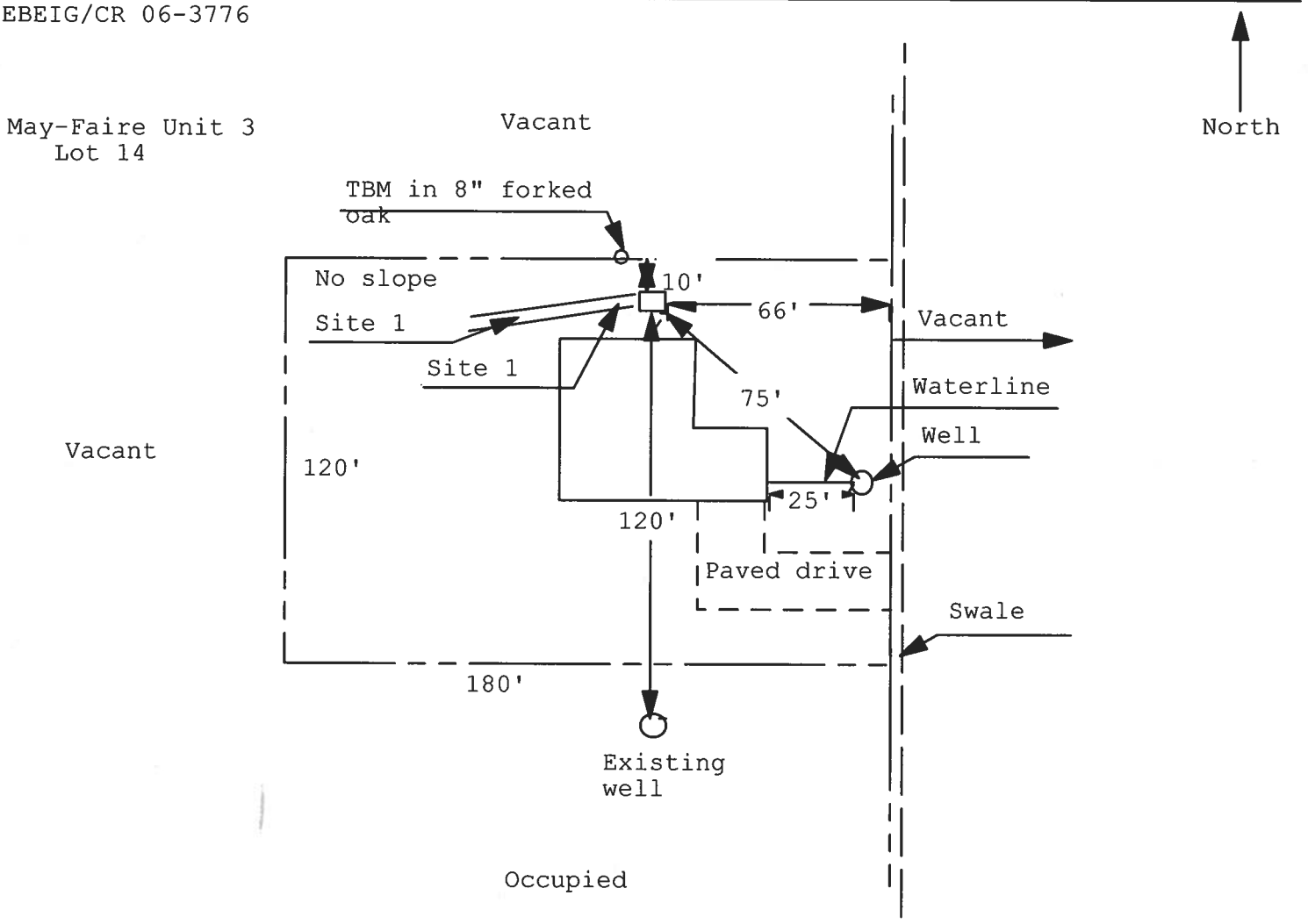


Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 06-01049N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GIEBEIG/CR 06-3776



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd **Date** 11/15/06

Plan Approved ✓ **Not Approved** ____ **Date** 12/5/06

By [signature] Columbia **CPHU**

Notes: ____

LYNCH WELL DRILLING, INC.

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

Mayfair III Lot 14

Building Permit #_____ Owner's Name Trent Siebeig

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

Casing Size 4 inch Steel Pump Installation: Deep Well Submersible

Pump Make Aermotor Pump Model S2J100 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 25.1 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

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Mayfair Lot 14**	Builder:	**Trent Giebeig**
Address:	**Lot: 14, Sub: Mayfair, Plat:**	Permitting Office:	
City, State:	**Lake City, Fl 32055-**	Permit Number:	
Owner:	**Trent Giebeig**	Jurisdiction Number:	
Climate Zone:	**South**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		4	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1887 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	187.0 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, 230.2(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 1841.6 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 2086.7 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Con. Ret: Con. AH: Interior		Sup. R=6.0, 61.7 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 36.0 kBtu/hr	
	SEER: 10.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 36.0 kBtu/hr	
	HSPF: 7.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, PT, CF,	

Glass/Floor Area: 0.10

Total as-built points: 26010

Total base points: 32914

PASS

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

PREPARED BY: _____

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: 14, Sub: Mayfair, 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	1897.0	32.50	11097.5	Double, Clear	W	1.5	6.0	30.0	61.59	0.92	1696.3	
				Double, Clear	W	1.5	6.0	30.0	61.59	0.92	1696.3	
				Double, Clear	W	1.5	6.0	20.0	61.59	0.92	1130.9	
				Double, Clear	N	1.5	4.0	6.0	31.93	0.89	169.6	
				Double, Clear	E	1.5	7.0	30.0	68.60	0.94	1937.1	
				Double, Clear	E	1.5	6.0	60.0	68.60	0.92	3776.2	
				Double, Clear	S	1.5	6.0	6.0	58.45	0.87	306.6	
				Double, Clear	S	1.5	2.0	5.0	58.45	0.57	166.7	
				As-Built Total:				**187.0**			**10879.6**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	1841.6	2.40		4419.8	
Exterior	1841.6	2.70	4972.3									
Base Total:	**1841.6**		**4972.3**	**As-Built Total:**				**1841.6**			**4419.8**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				34.0	6.40		217.6	
Exterior	34.0	6.40	217.6									
Base Total:	**34.0**		**217.6**	**As-Built Total:**				**34.0**			**217.6**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1897.0	2.80	5311.6	Under Attic			30.0	2086.7	2.77 X 1.00		5780.2	
Base Total:	**1897.0**		**5311.6**	**As-Built Total:**				**2086.7**			**5780.2**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	230.2(p)	-20.0	-4604.0	Slab-On-Grade Edge Insulation			0.0	230.2(p	-20.00		-4604.0	
Raised	0.0	0.00	0.0									
Base Total:			**-4604.0**	**As-Built Total:**				**230.2**			**-4604.0**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1897.0	18.79	35644.6					1897.0	18.79		35644.6	

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Mayfair, Plat: , Lake City, Fl, 32055-** PERMIT #:

BASE				AS-BUILT						
Summer Base Points:			**52639.6**	**Summer As-Built Points:**						**52337.8**
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
52639.6	**0.4266**		**22456.1**	52337.8 **52337.8**	1.000 **1.00**	(1.000 x 1.165 x 0.90) **1.048**	0.341 **0.341**	0.857 **0.857**		16043.9 **16043.9**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Mayfair, 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	1897.0	2.36	805.8	Double, Clear	W	1.5	6.0	30.0	3.98	1.00	119.1	
				Double, Clear	W	1.5	6.0	30.0	3.98	1.00	119.1	
				Double, Clear	W	1.5	6.0	20.0	3.98	1.00	79.4	
				Double, Clear	N	1.5	4.0	6.0	4.38	0.99	25.9	
				Double, Clear	E	1.5	7.0	30.0	3.30	1.02	100.8	
				Double, Clear	E	1.5	6.0	60.0	3.30	1.02	202.2	
				Double, Clear	S	1.5	6.0	6.0	3.12	1.02	19.1	
				Double, Clear	S	1.5	2.0	5.0	3.12	1.25	19.5	
				As-Built Total:				**187.0**			**685.1**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	1841.6	0.60		1105.0	
Exterior	1841.6	0.60	1105.0									
Base Total:	**1841.6**		**1105.0**	**As-Built Total:**				**1841.6**			**1105.0**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				34.0	1.80		61.2	
Exterior	34.0	1.80	61.2									
Base Total:	**34.0**		**61.2**	**As-Built Total:**				**34.0**			**61.2**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM =		Points	
Under Attic	1897.0	0.10	189.7	Under Attic			30.0	2086.7	0.10 X 1.00		208.7	
Base Total:	**1897.0**		**189.7**	**As-Built Total:**				**2086.7**			**208.7**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	230.2(p)	-2.1	-483.4	Slab-On-Grade Edge Insulation			0.0	230.2(p	-2.10		-483.4	
Raised	0.0	0.00	0.0									
Base Total:			**-483.4**	**As-Built Total:**				**230.2**			**-483.4**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	1897.0	-0.06	-113.8					1897.0	-0.06		-113.8	

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Mayfair, Plat: , Lake City, Fl, 32055-** PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**1564.5**	**Winter As-Built Points:**						**1462.7**
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
1564.5	**0.6274**	**981.5**	1462.7 **1462.7**	1.000 **1.00**	(1.000 x 1.137 x 0.91) **1.035**	0.487 **0.487**	0.950 **0.950**	700.4 **700.4**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Mayfair, 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	
4		2369.00	9476.0	50.0	0.90	4	1.00	2316.36	1.00	9265.4	
				As-Built Total:						**9265.4**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
22456	**982**	**9476**	**32914**	**16044**	**700**	**9265**	**26010**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Mayfair, 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* = 87.1

The higher the score, the more efficient the home.

Trent Giebeig, Lot: 14, Sub: Mayfair, 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		4	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1897 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear - single pane	0.0 ft²	187.0 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, 230.2(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 1841.6 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 2086.7 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Con. Ret: Con. AH: Interior		Sup. R=6.0, 61.7 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 36.0 kBtu/hr	
	SEER: 10.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 36.0 kBtu/hr	
	HSPF: 7.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, PT, CF,	

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

Builder Signature: _____ Date: _____

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

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/488-7824.*

Residential System Sizing Calculation

Summary

Trent Giebeig

Lake City, Fl 32055-

Project Title:
Mayfair Lot 14

Code Only
Professional Version
Climate: South

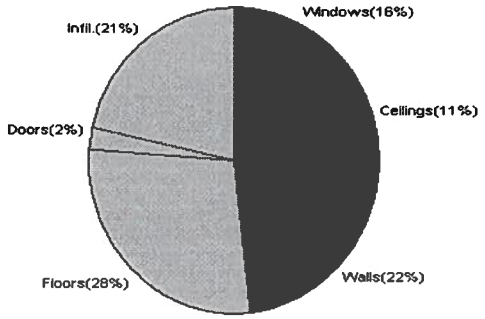
11/21/2006

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	**25776**	**Btuh**	**Total cooling load calculation**	**24894**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	139.7	36000	Sensible (SHR = 0.5)	93.7	18000
Heat Pump + Auxiliary(0.0kW)	139.7	36000	Latent	316.6	18000
			Total (Electric Heat Pump)	144.6	36000

WINTER CALCULATIONS

Winter Heating Load (for 1897 sqft)

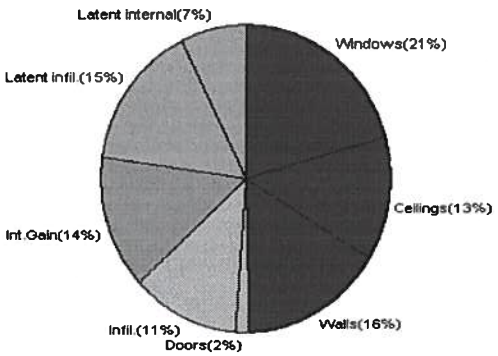
Load component			Load	
Window total	187	sqft	4021	Btuh
Wall total	1842	sqft	5709	Btuh
Door total	34	sqft	623	Btuh
Ceiling total	2087	sqft	2713	Btuh
Floor total	230	ft	7274	Btuh
Infiltration	127	cfm	5436	Btuh
Subtotal			**25776**	**Btuh**
Duct loss			0	Btuh
TOTAL HEAT LOSS			**25776**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1897 sqft)

Load component			Load	
Window total	187	sqft	5182	Btuh
Wall total	1842	sqft	3941	Btuh
Door total	34	sqft	424	Btuh
Ceiling total	2087	sqft	3255	Btuh
Floor total			0	Btuh
Infiltration	111	cfm	2805	Btuh
Internal gain			3600	Btuh
Subtotal(sensible)			**19208**	**Btuh**
Duct gain			0	Btuh
Total sensible gain			**19208**	**Btuh**
Latent gain(infiltration)			3845	Btuh
Latent gain(internal)			1840	Btuh
Total latent gain			**5685**	**Btuh**
TOTAL HEAT GAIN			**24894**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: _____

DATE: 11/21/06

System Sizing Calculations - Winter

Residential Load - Component Details

Trent Giebeig

Lake City, Fl 32055-

Project Title:
Mayfair Lot 14

Code Only
Professional Version
Climate: South

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	2, Clear, Wood, DEF	N	30.0	21.5	645 Btuh
2	2, Clear, Wood, DEF	N	30.0	21.5	645 Btuh
3	2, Clear, Wood, DEF	N	20.0	21.5	430 Btuh
4	2, Clear, Wood, DEF	E	6.0	21.5	129 Btuh
5	2, Clear, Wood, DEF	S	30.0	21.5	645 Btuh
6	2, Clear, Wood, DEF	S	60.0	21.5	1290 Btuh
7	2, Clear, Wood, DEF	W	6.0	21.5	129 Btuh
8	2, Clear, Wood, DEF	W	5.0	21.5	108 Btuh
	Window Total		187		4021 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1842	3.1	5709 Btuh
	Wall Total		1842		5709 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		34	18.3	623 Btuh
	Door Total		34		623Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2087	1.3	2713 Btuh
	Ceiling Total		2087		2713Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	230.2 ft(p)	31.6	7274 Btuh
	Floor Total		230		7274 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	18970(sqft)	127	5436 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			127	5436 Btuh

Totals for Heating	**Subtotal**	**25776 Btuh**
	Duct Loss(using duct multiplier of 0.00)	**0 Btuh**
	Total Btuh Loss	**25776 Btuh**

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

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

System Sizing Calculations - Summer

Residential Load - Component Details

Trent Giebeig

Lake City, Fl 32055-

Project Title:
Mayfair Lot 14

Code Only
Professional Version
Climate: South

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	2, Clear, DEF, N, N	N	1.5	6	30.0	0.0	30.0	24	24	720	Btuh
2	2, Clear, DEF, N, N	N	1.5	6	30.0	0.0	30.0	24	24	720	Btuh
3	2, Clear, DEF, N, N	N	1.5	6	20.0	0.0	20.0	24	24	480	Btuh
4	2, Clear, DEF, N, N	E	1.5	4	6.0	0.0	6.0	24	74	444	Btuh
5	2, Clear, DEF, N, N	S	1.5	7	30.0	30.0	0.0	24	39	720	Btuh
6	2, Clear, DEF, N, N	S	1.5	6	60.0	60.0	0.0	24	39	1440	Btuh
7	2, Clear, DEF, N, N	W	1.5	6	6.0	0.0	6.0	24	74	444	Btuh
8	2, Clear, DEF, N, N	W	1.5	2	5.0	3.1	1.9	24	74	214	Btuh
	Window Total				187					5182	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Frame - Exterior	13.0	1841.6	2.1	3941	Btuh
	Wall Total		1841.6		3941	Btuh

Doors	Type	Area	HTM	Load	
1	Insulated - Exter	34.0	12.5	424	Btuh
	Door Total	34.0		424	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	2086.7	1.6	3255	Btuh
	Ceiling Total		2086.7		3255	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	230.2 ft(p)	0.0	0	Btuh
	Floor Total		230.2		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.35	18970	110.9	2805	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			111	2805	Btuh

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

Totals for Cooling			
	Subtotal	**19208**	**Btuh**
	Duct gain(using duct multiplier of 0.00)	**0**	**Btuh**
	Total sensible gain	**19208**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**3845**	**Btuh**
	Latent occupant gain (8 people @ 230 Btuh per person)	**1840**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**24894**	**Btuh**

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

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

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

Architectural Testing

Appendix A

Alteration Addendum

Note: No alterations were required.

Inswing

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

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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**

PRODUCT CONTROL ACCEPTED

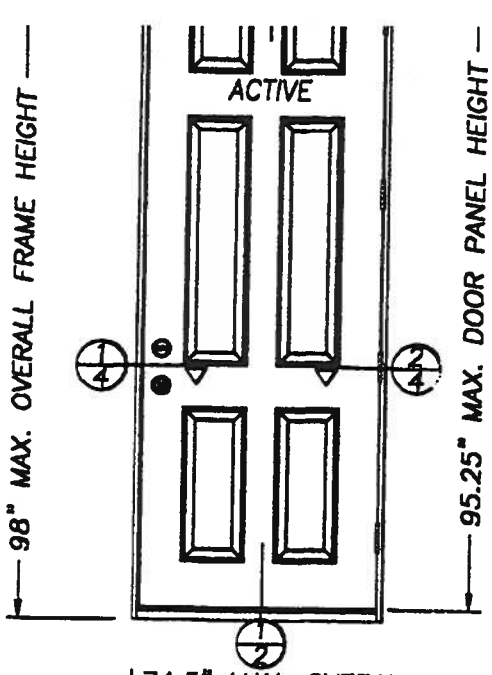
S
EET THE SOUTH FLORIDA
R MIAMI–DADE COUNTY.
BE ANCHORED PROPERLY
JCTURE.
LISTED AND SPACED AS
EDMENT TO BASE MATERIAL
S OR STUCCO.
TABLE PAGE 1.
IE WATER REQUIREMENTS

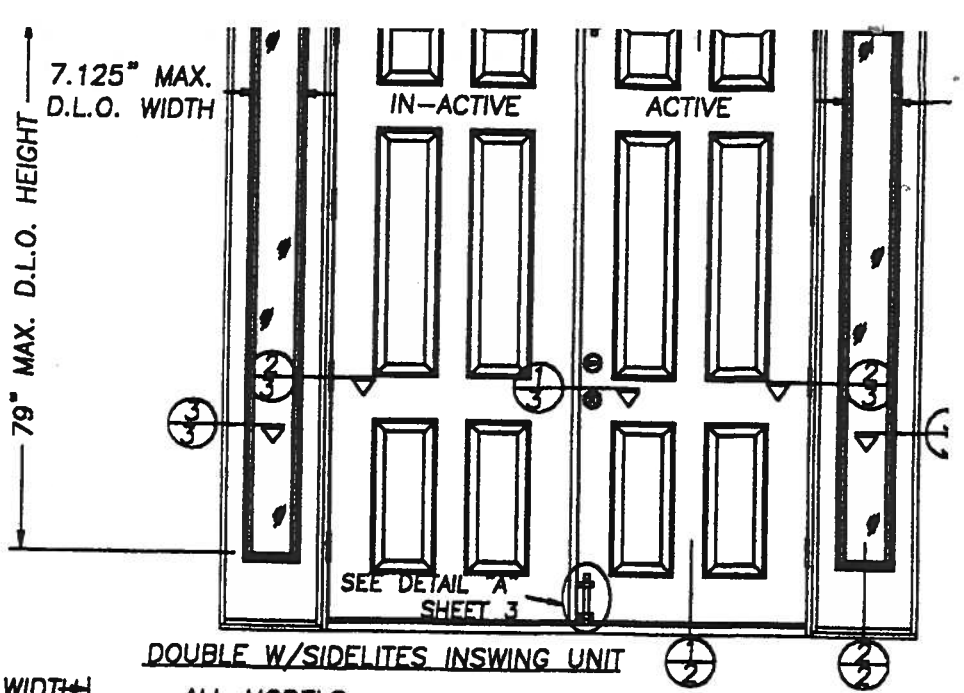
SISTANT SHUTTERS ARE REQUIRED.
N BE USED IN A
J.
T LOCATIONS PROTECTED BY
THE ANGLE BETWEEN THE EDGE
. IS LESS THAN 45 DEGREES.
I–HABITABLE AREAS WHERE THE
D TO ACCEPT WATER INFILTRATION.

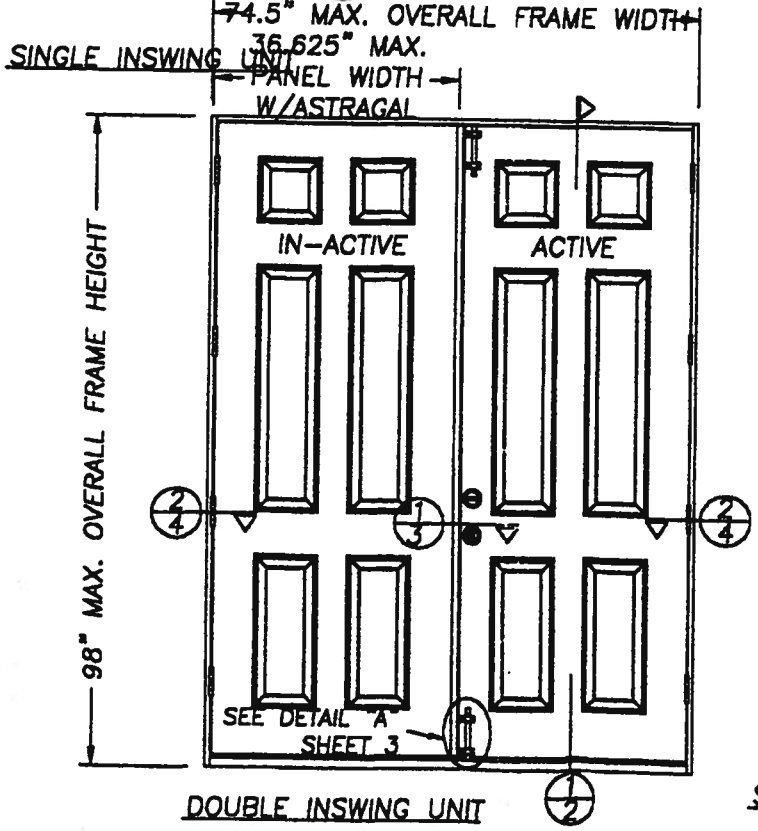
ERGLASS DOOR
conditions)

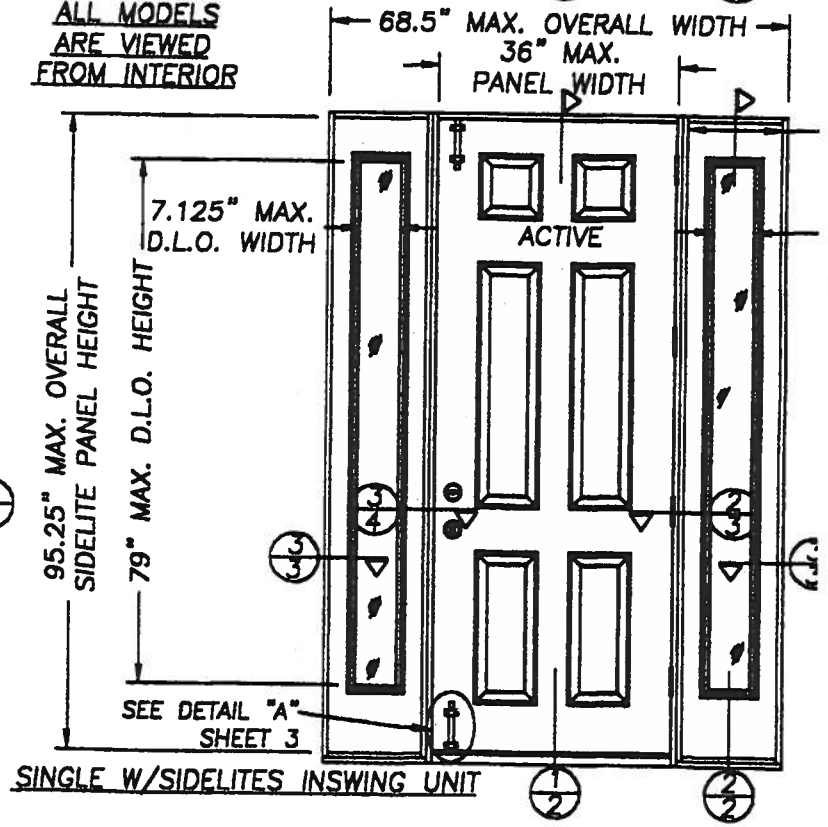
num thickness, with yield strength

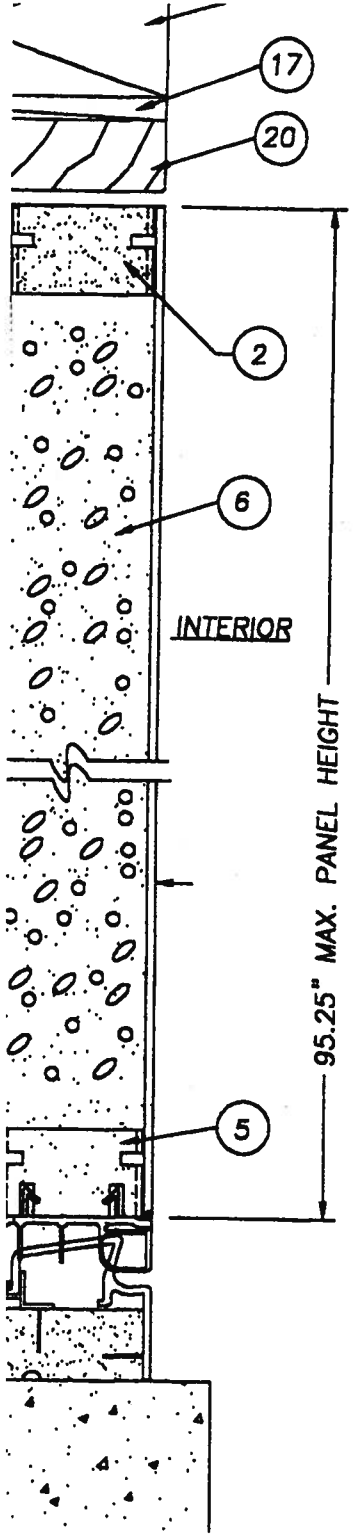
h1.9 lbs. density by BASF.
structed from a sheet molding
thk. is filled with 1.9 lbs. density
sheets are glued to the wood stiles
LVL or LSL. The latch stile which is
. The top and bottom rail are of a
oor application the inactive door
agal of 6060–T6 alloy.
cted from finger jointed pine. The
(3) #8 x 2 1/2" long screw at each
a sidelite application using
ws per each mullion. The units uses
75" x 1.548".
ndwich glazed using a two piece lip
d on the exterior with an 1/8"
d with Dow 795 silicone compond
ne to the sidelite panel & to the
with a #8 x 1 1/2" long Plascrew

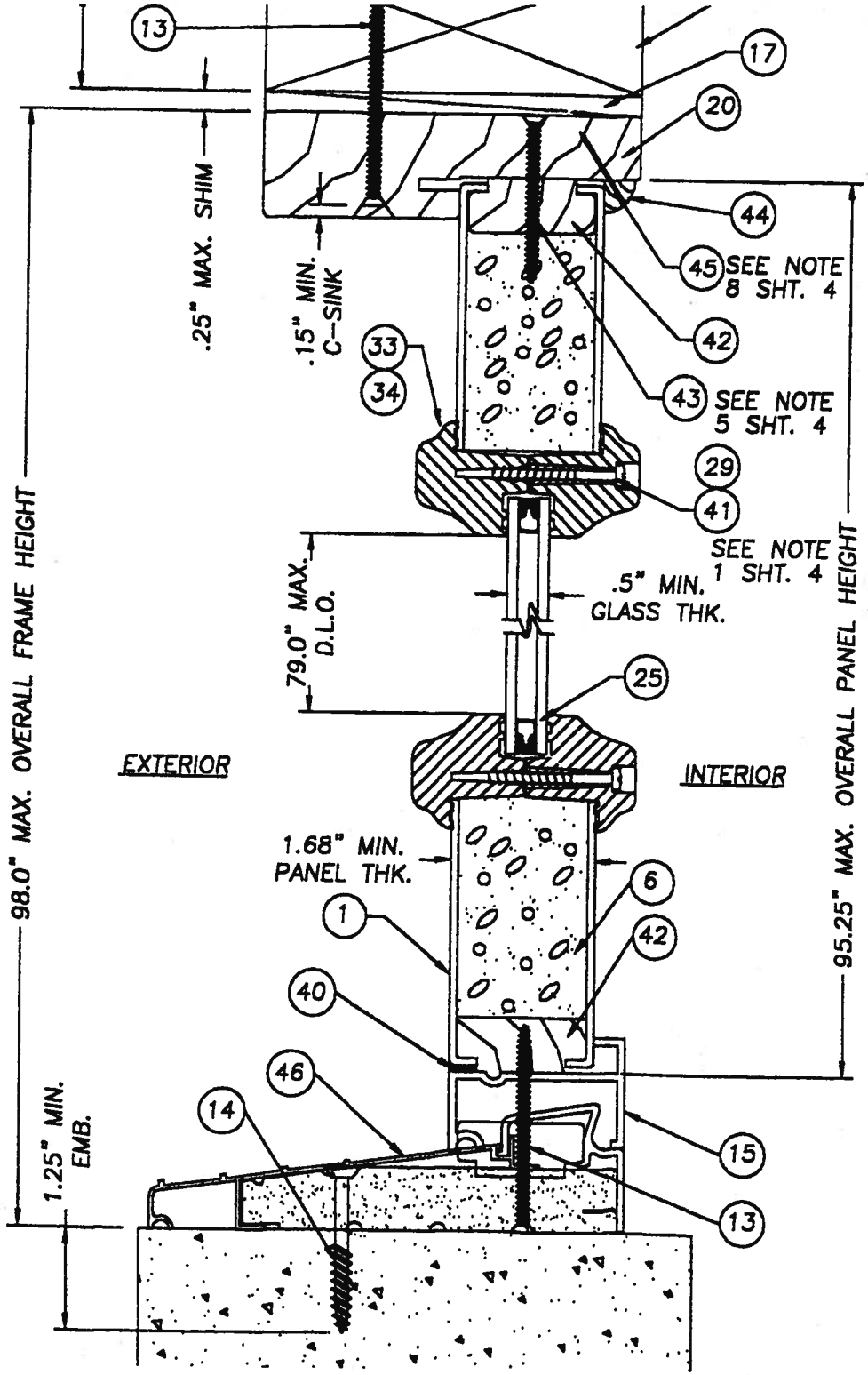




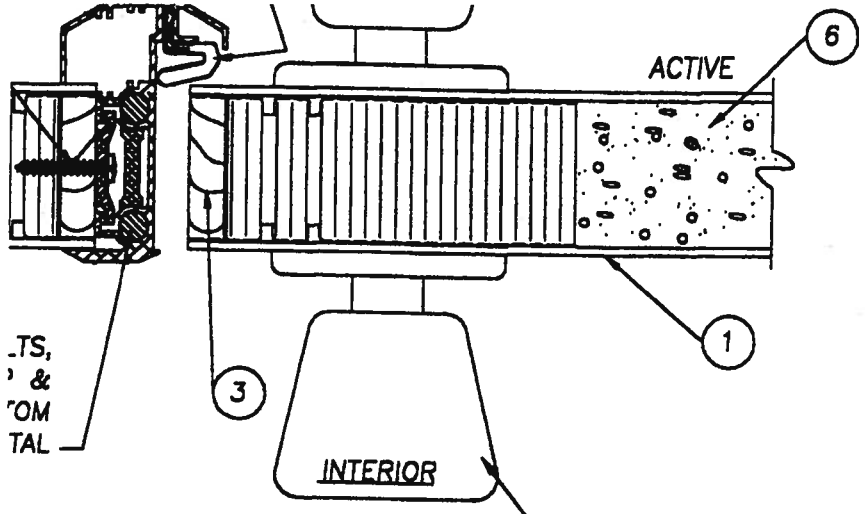




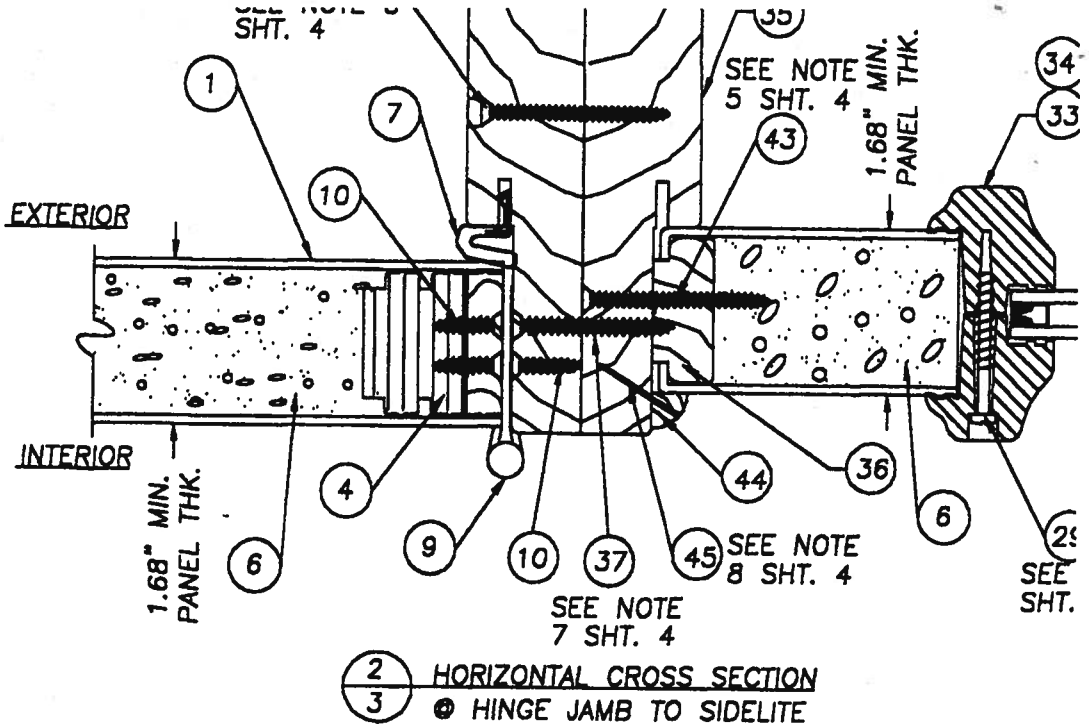




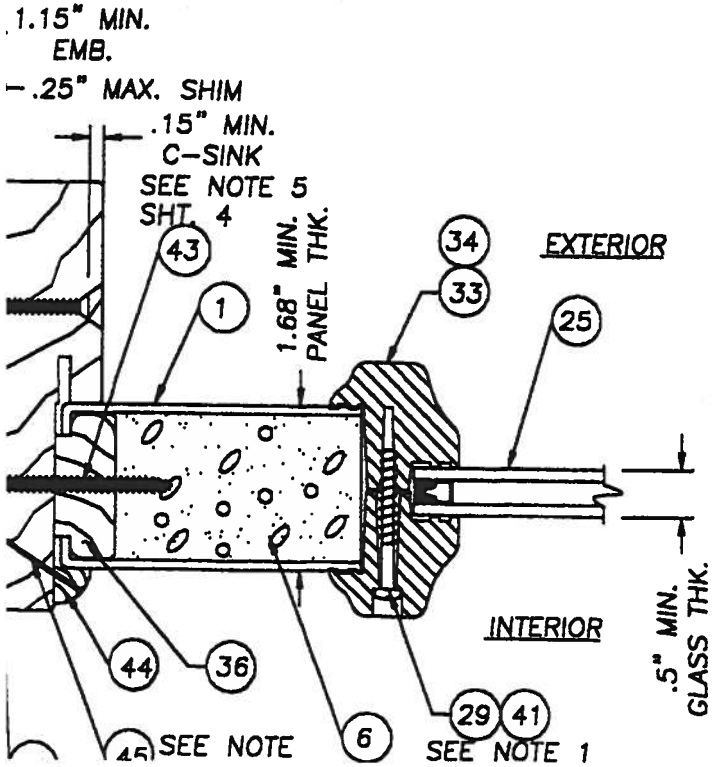
3	LATCH STILE/LOCK BLOCK (THERMA-TRU, LVL OR LSL & OAK 1.50" x 4
4	HINGE STILE (THERMA-TRU, LVL OR LSL & OAK 1.50" x 1.50")
5	BOTTOM RAIL (1.50" x .94" THERMA-TRU WOOD COMPOSITE)
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSIT
7	SHORT REACH COMPRESSION WEATHERSTRIP (THERMA-
8	LONG REACH COMPRESSION WEATHERSTRIP (THERMA-T
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 P
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 WR80T (.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 ENI

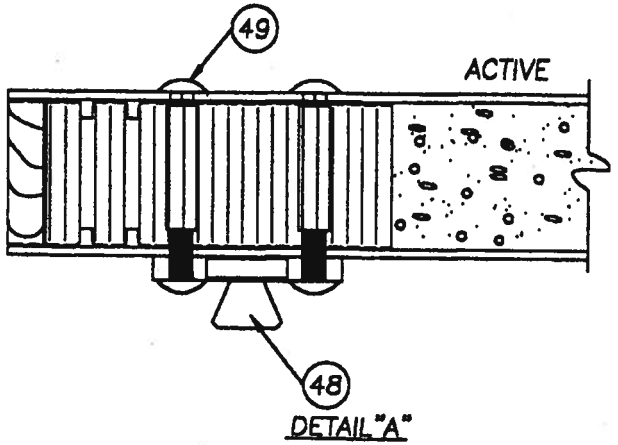


1/3 HORIZONTAL CROSS SECTION
@ ASTRAGAL
(SEE DESIGN PRESSURE CHART)

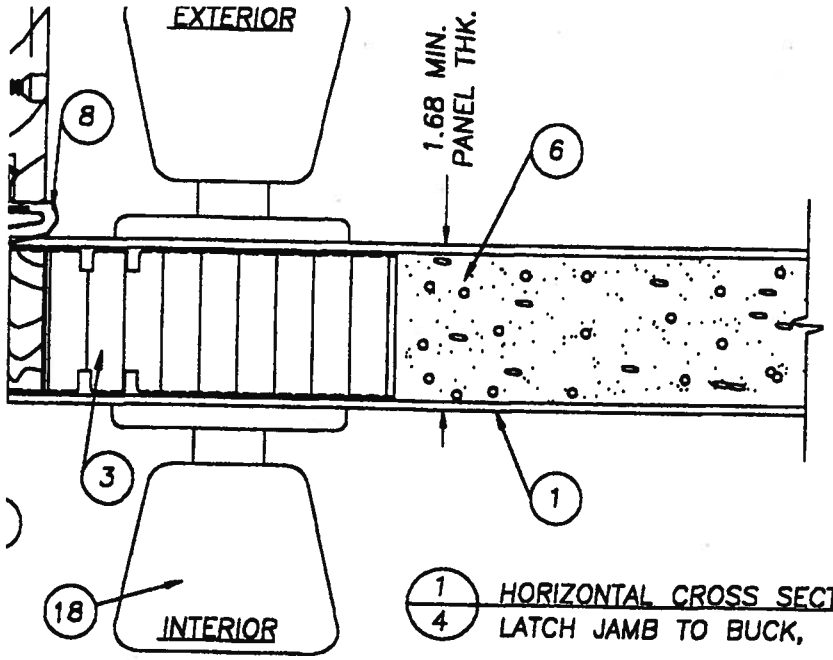


2/3 HORIZONTAL CROSS SECTION
@ HINGE JAMB TO SIDELITE

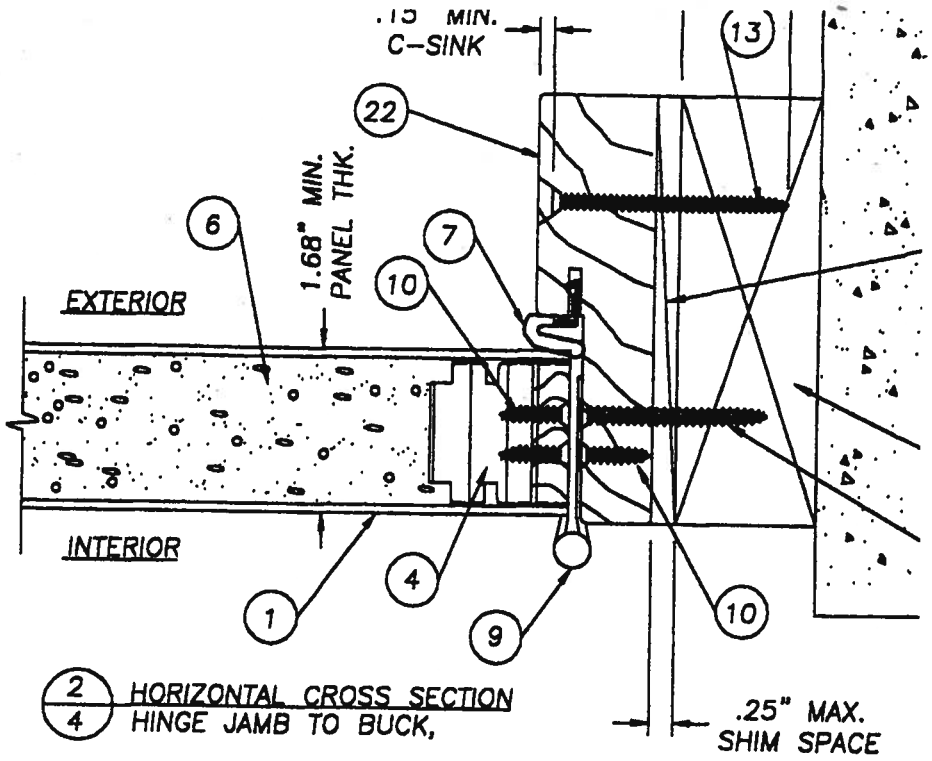




DETAIL "A"
OPTIONAL SURFACE BOLTS IN ACTIVE PANEL
(SEE DESIGN PRESSURE CHART)



1/4 HORIZONTAL CROSS SECTION
LATCH JAMB TO BUCK,



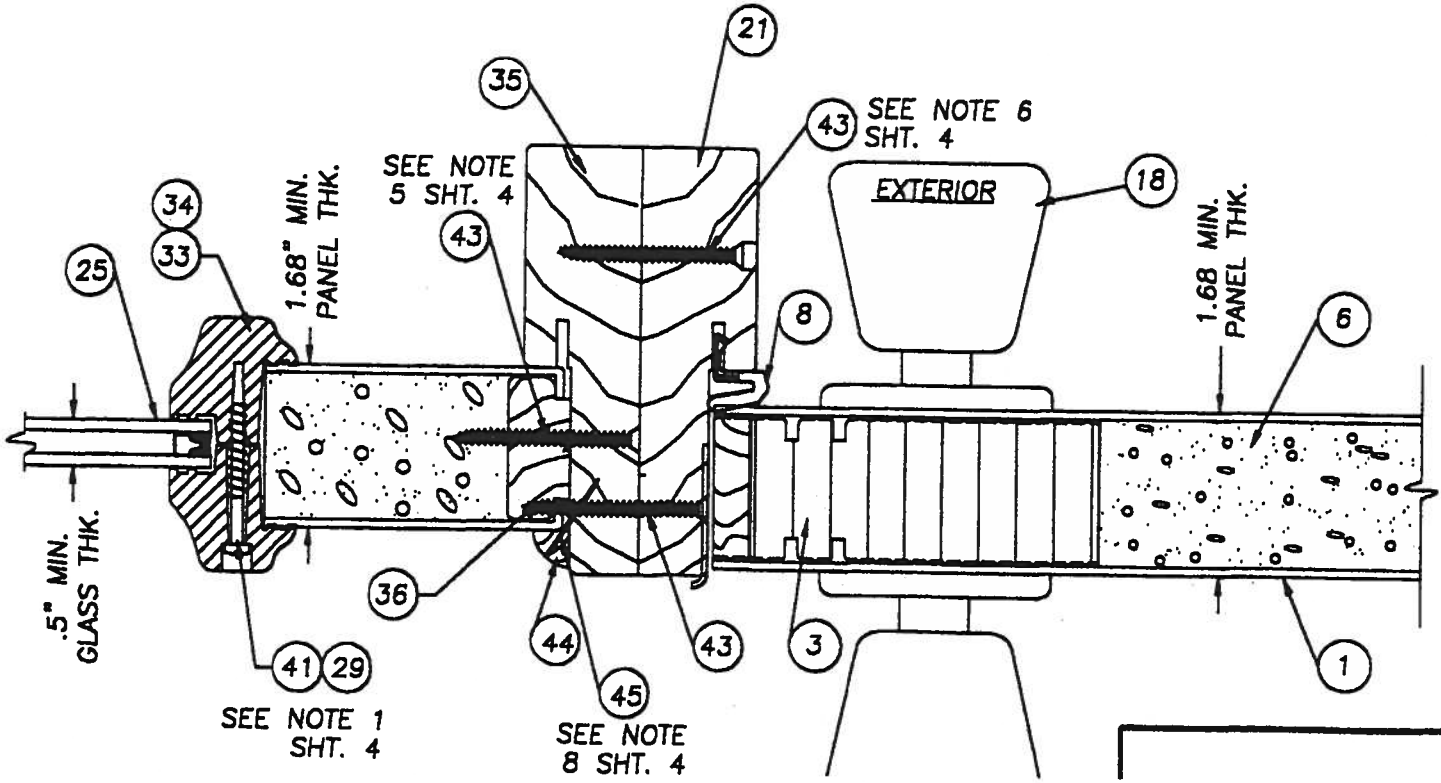
2/4 HORIZONTAL CROSS SECTION
HINGE JAMB TO BUCK,

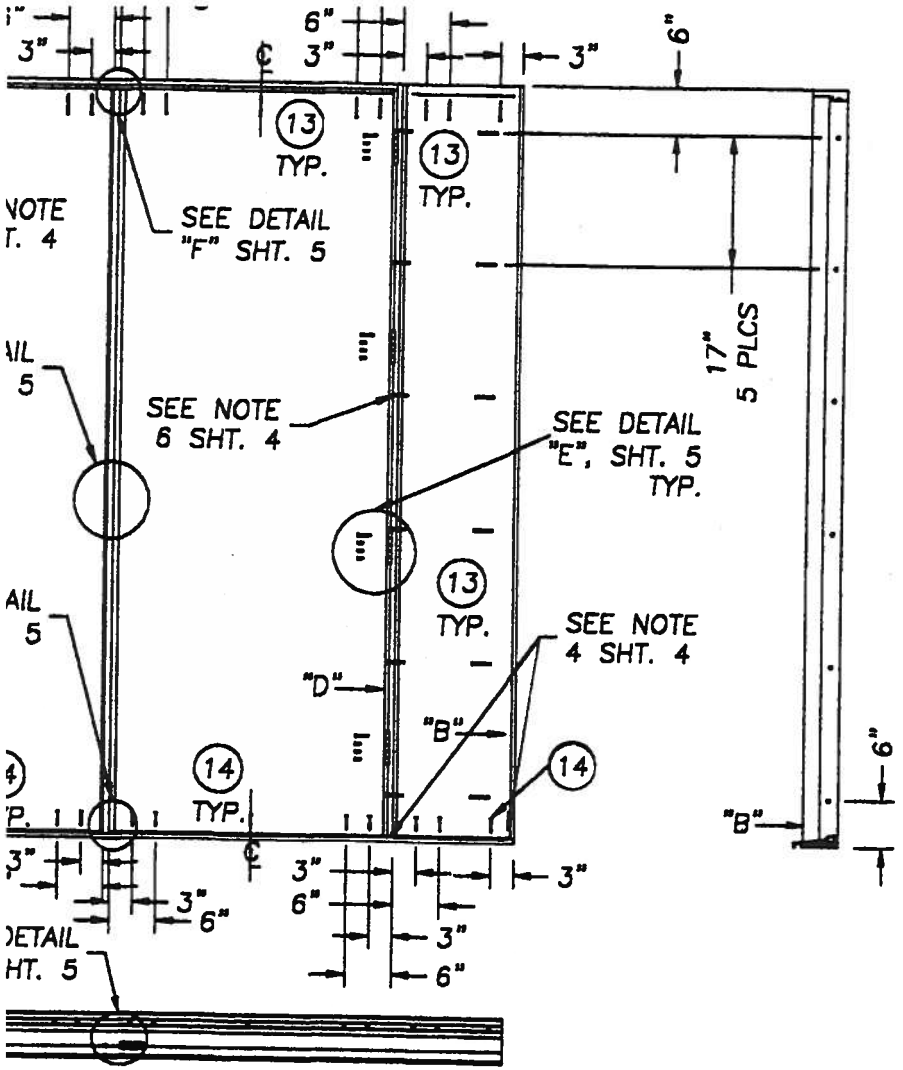
) IS AS FOLLOWS: FROM
WITH (7) MORE SPACED
CREWS BOTH TOP AND
CORNER.
CREW
INACTIVE DOOR IS AS
", 3", 5", 18.25", 54"

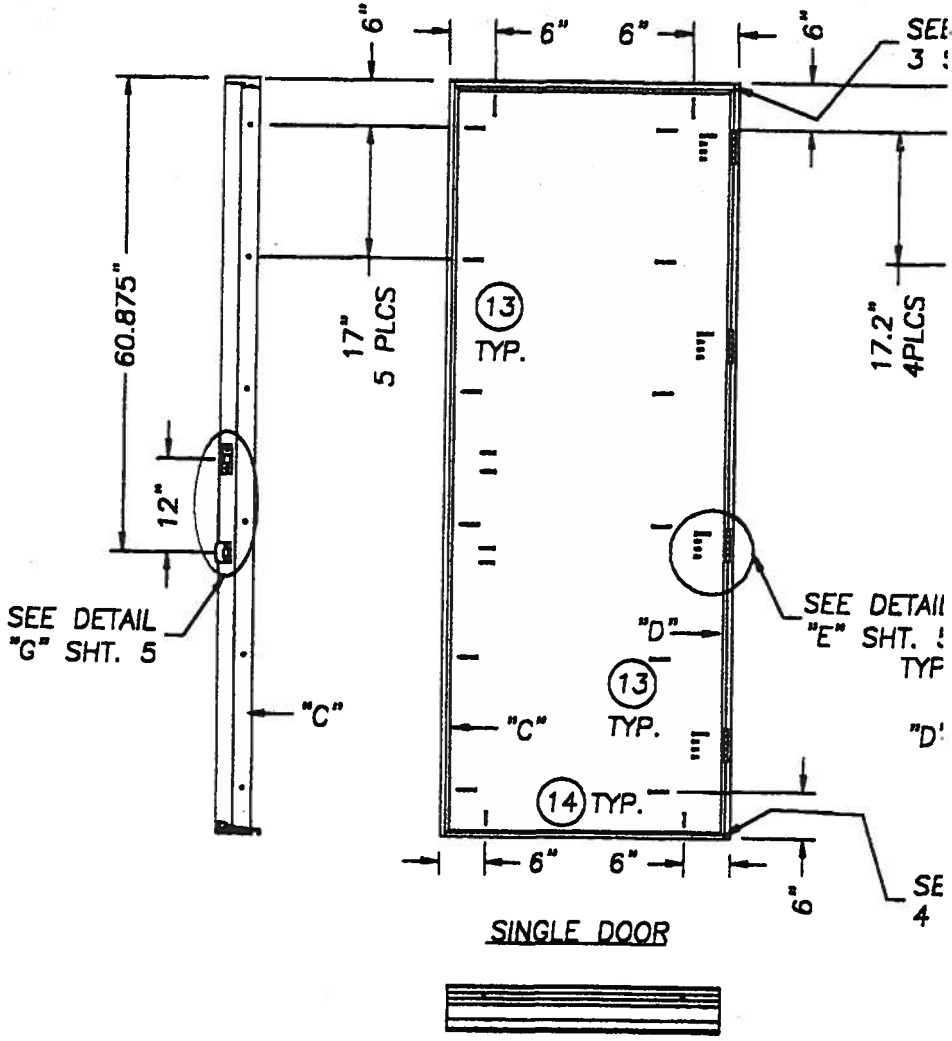
HE SIDE JAMBS WITH

HE SIDE JAMBS WITH

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

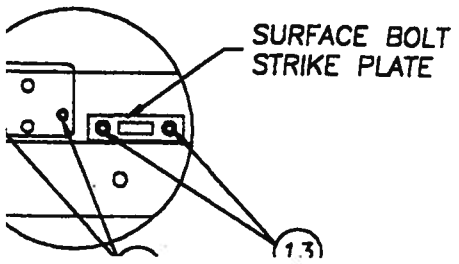


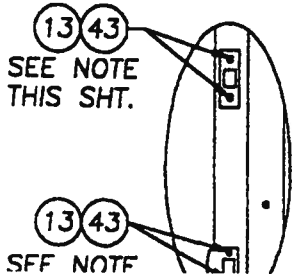


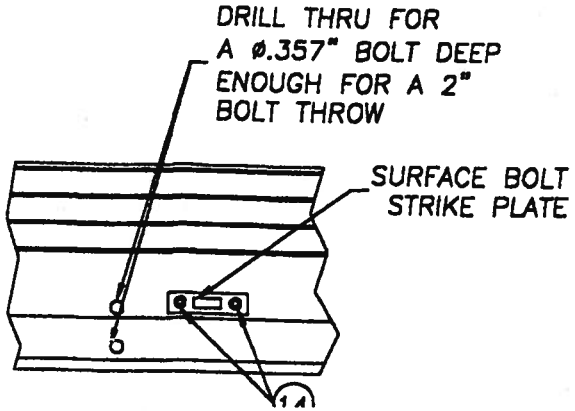


SINGLE DOOR

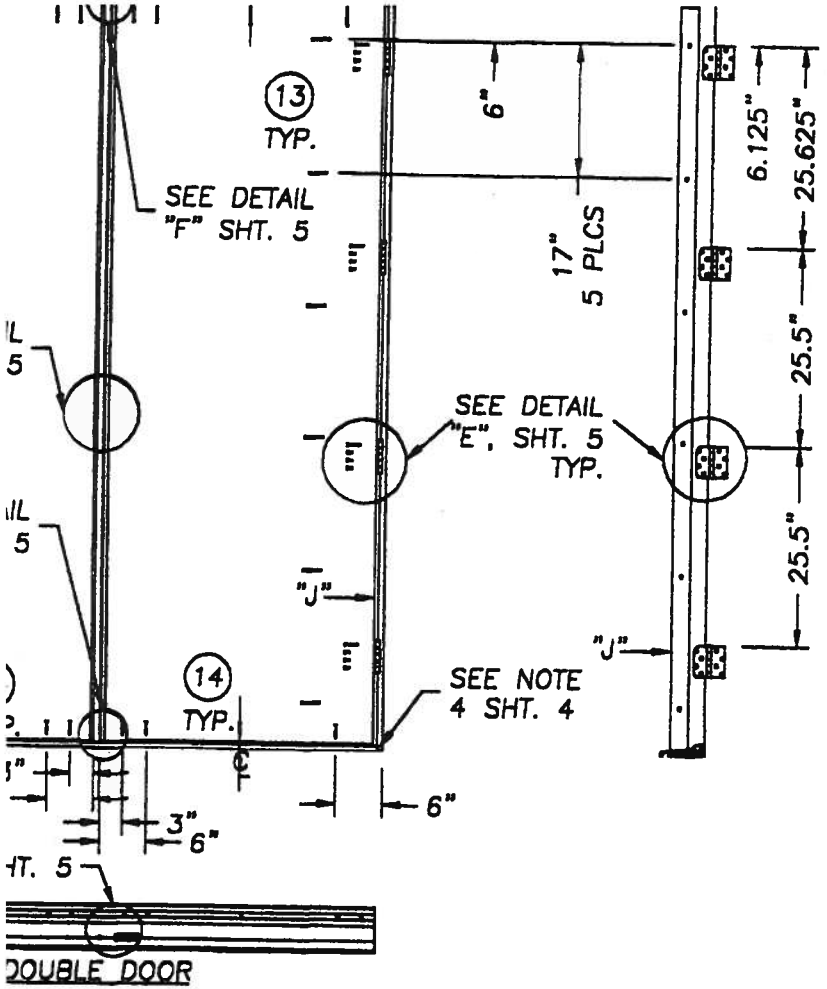
DOOR W/SIDELITES

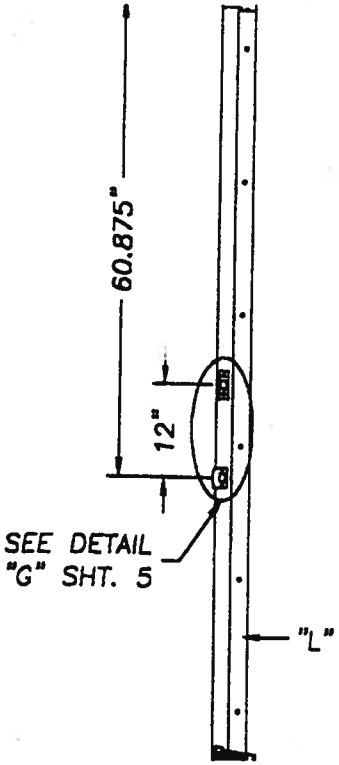


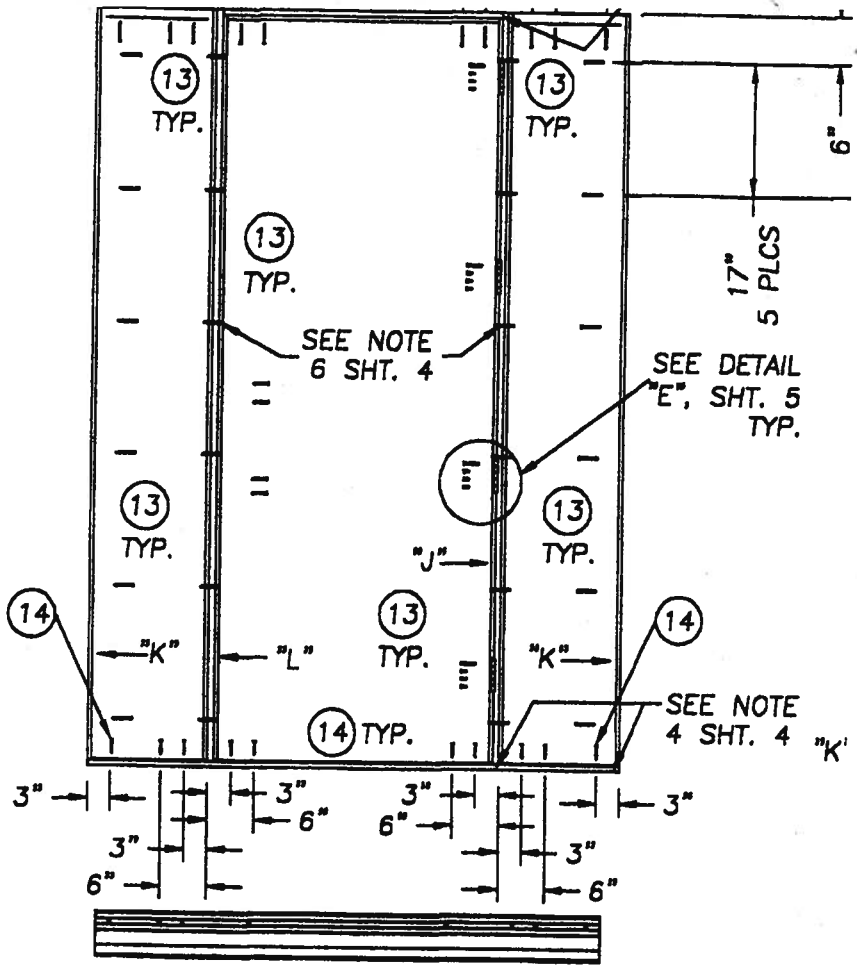


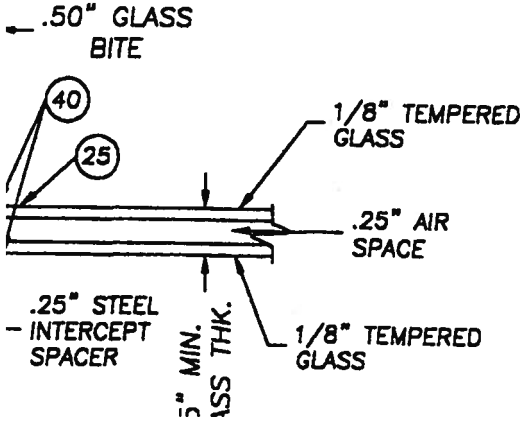


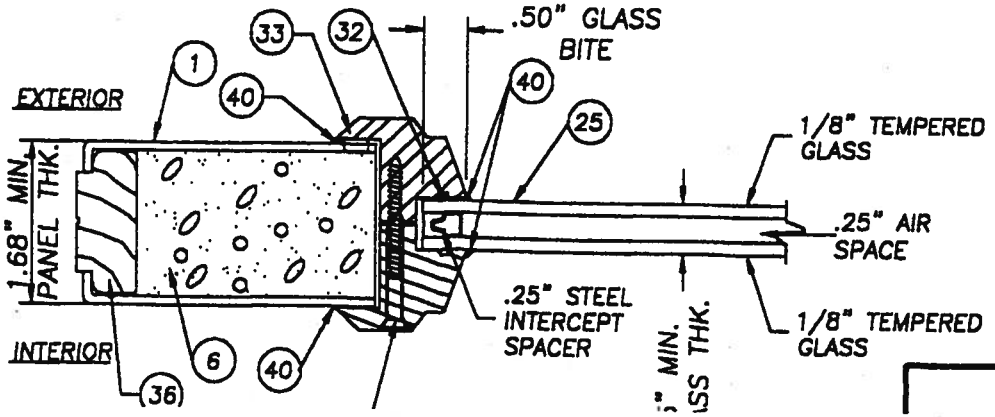
NOTE:
USE ITEM #13 A #8 x 2 1/2" PFH WI
ATTACH THE STRIKE AND DEADBOLT PL
JAMB OR ASTRAGAL EXCEPT IN THE ML
APPLICATION WITH THE SIDELITE USE IT
2" PFH WOOD SCREW.

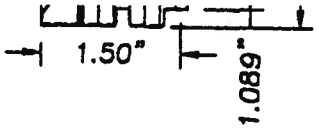

13 TYP.
SEE DETAIL "F" SHT. 5
6"
17" 5 PLCS
6.125"
25.625"
25.5"
25.5"
SEE DETAIL "E", SHT. 5 TYP.
"J"
"J"
14 TYP.
SEE NOTE 4 SHT. 4
3"
6"
6"
DOUBLE DOOR


60.875"
12"
SEE DETAIL "G" SHT. 5
"L"


13 TYP.
13 TYP.
13 TYP.
13 TYP.
13 TYP.
13 TYP.
6"
17" 5 PLCS
SEE NOTE 6 SHT. 4
SEE DETAIL "E", SHT. 5 TYP.
"J"
14
"K"
"L"
14 TYP.
"K"
14
SEE NOTE 4 SHT. 4
"K"
3"
3"
6"
3"
6"
3"
3"
6"
3"
6"
SINGLE DOOR W/SIDELITES

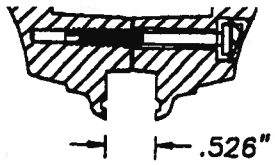

.50" GLASS BITE
40
25
1/8" TEMPERED GLASS
.25" AIR SPACE
.25" STEEL INTERCEPT SPACER
1/8" TEMPERED GLASS


33
32
.50" GLASS BITE
1
40
40
25
EXTERIOR
1.68" MIN. PANEL THK.
1/8" TEMPERED GLASS
.25" AIR SPACE
.25" STEEL INTERCEPT SPACER
1/8" TEMPERED GLASS
INTERIOR
6
40
36

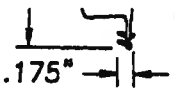


④ HINGE SIDE STILE

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.

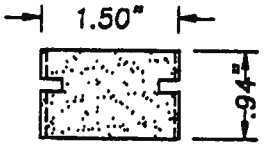


㉞ PLASTIC LIP LITE FRAME
EXTRUDED SMC



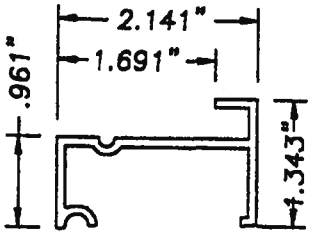
⑦ COMPRESSION WEATHERSTRIP
BY THERMA-TRU
FOAM CELL CORE W/VINYL JACKET

⑧ LONG
COMPRESSION
FOAM CELL CORE

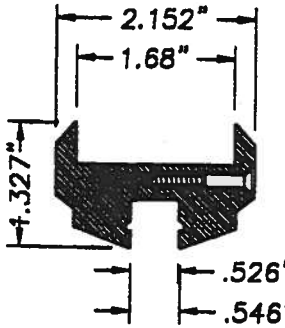


② TOP RAIL
WOOD COMPOSITE

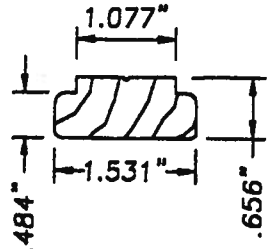
⑤ BOT
WOOD



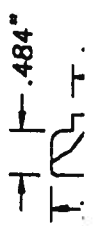
⑮ INSWING SIDELITE
BOTTOM BOOT
0.09" EXTRUDED VINYL WALL



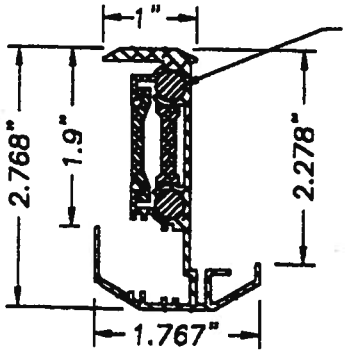
㉝ PLASTIC LIP LITE FRAME
EXTRUDED PVC



㊷ SIDELITE TOP
& BOTTOM RAIL

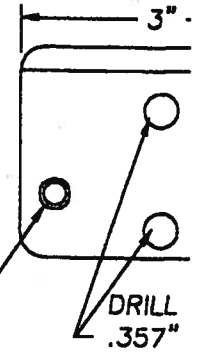


㊱ SIDELI
SIDE
FINGEF
PONDE

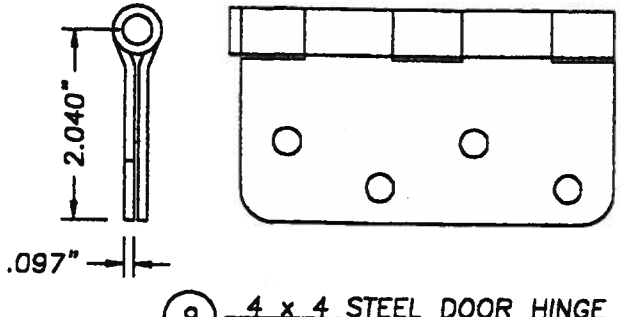


ASTRAGAL RETAINER BOLTS,
(2) 17.0" LG. X 0.3125" DIA.
@ TOP & (2) 8.0" LG. X
0.3125" DIA. @ BOTTOM
(4) BOLTS TOTAL

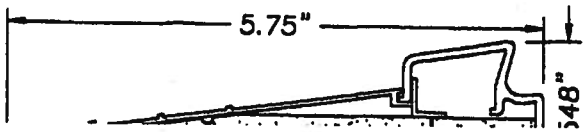
㉔ WINDJAMBER II WR80T
ASTRAGAL (ALUMINUM .052" WALL TYP.)



WINDJAMBER II WR80T



⑨ 4 x 4 STEEL DOOR HINGE



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

NOTES

O MEET THE FLORIDA

IST BE ANCHORED PROPERLY
STRUCTURE.

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

SEE TABLE SHEET 1.

TER REQUIREMENTS FOR
'S" WITH USE OF HIGH DAM

IN AREAS REQUIRING WIND
ORIDA BUILDING CODE
SHUTTERS ARE REQUIRED.

) CAN BE USED IN A
'ATION.

FIBERGLASS DOOR
ime conditions)

n:
25" minimum thickness,
)0 psi
core,

in is constructed from a
und (SMC). The interior cavity
SF polyurethane foam. The
the wood stiles and rails.
VL or LSL. The latch stile
latch reinforcement. The top
composite material. In the
tive door is fitted with an
6060–T6 alloy.

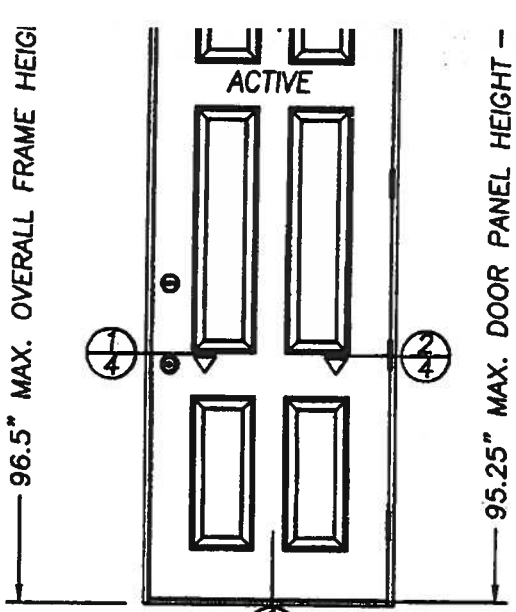
ucted from finger jointed pine. The
(3) #8 x 2 1/2" long Phillips flathead
ured together in a sidelite application
5) screws per each mullion. The units
r a Low Profile or High Water Dam type.
sandwich glazed using a two piece
exterior with an 1/8" thk. cellular
Silicon Compound. The lite frames are
Plascrew or a #6–18 1 3/4" long

F CONTENTS

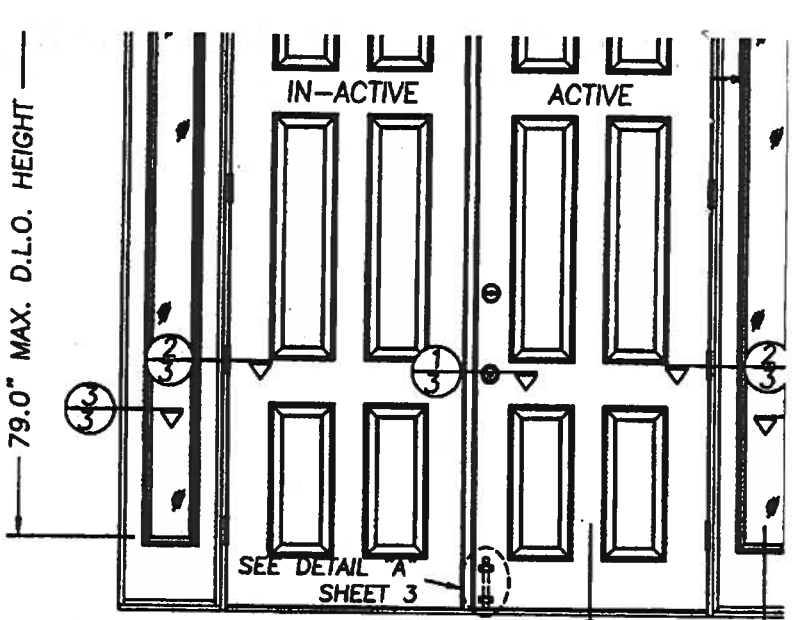
ESCRIPTION

& GENERAL NOTES

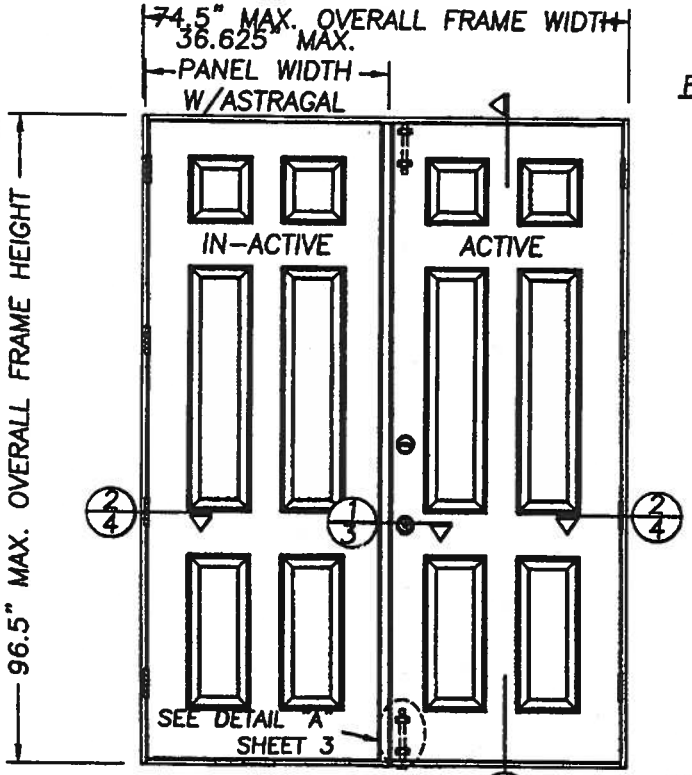
TIONS & BILL OF MATERIALS



SINGLE OUTSWING UNIT

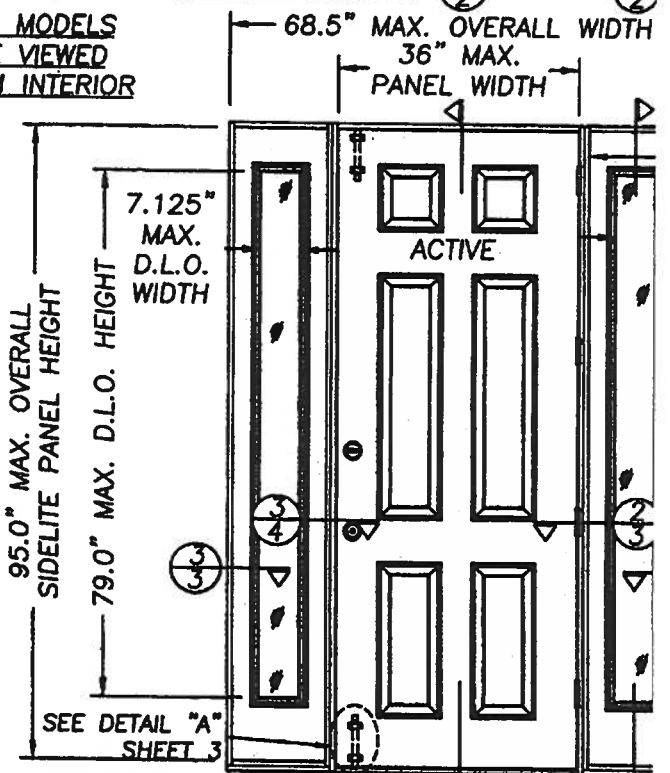


DOUBLE W/SIDELITES OUTSWING UNIT



DOUBLE OUTSWING UNIT

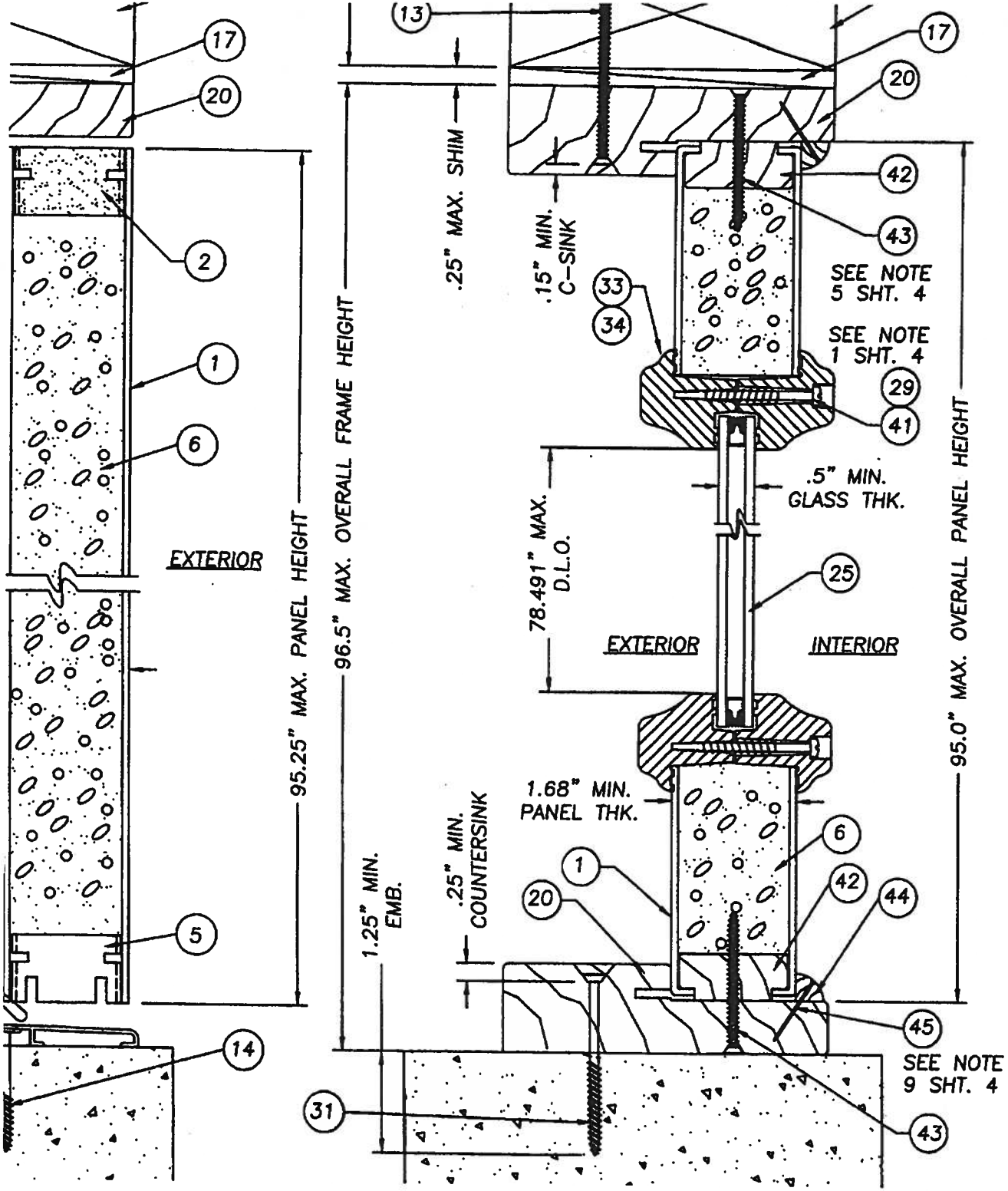
ALL MODELS ARE VIEWED FROM INTERIOR



SINGLE W/SIDELITES OUTSWING UNIT

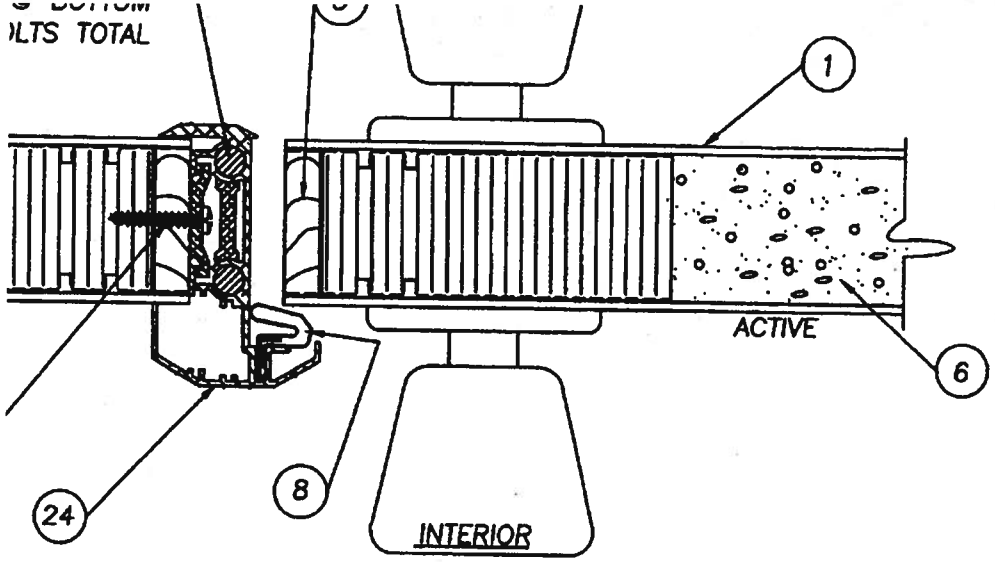
DESIGN PRESSURE RATING
WHERE WATER INFILTRATION IS REQUIRED

A1

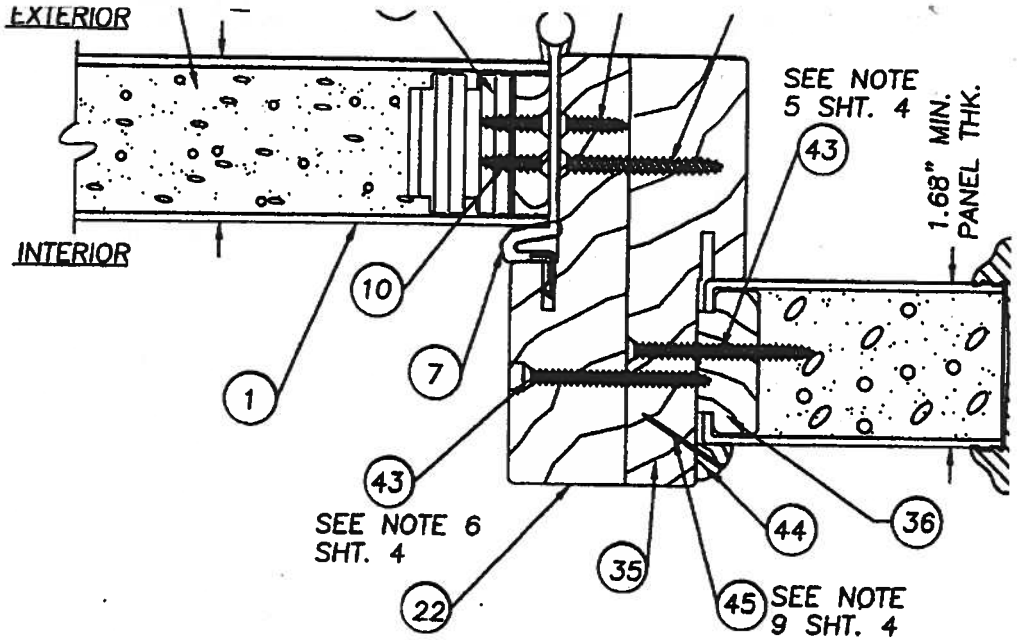


4	HINGE STILE (THERMA-TRU, LVL OR LSL & OAK 1.50" x
5	BOTTOM RAIL (1.50" x .94" THERMA-TRU WOOD COMPOS
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSITY)
7	SHORT REACH COMPRESSION WEATHERSTRIP (THERMA-TR
8	LONG REACH COMPRESSION WEATHERSTRIP (THERMA-TRU
9	4" x 4" HINGE .097" THK. (THERMA-TRU)
10	#10 x 3/4" 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.

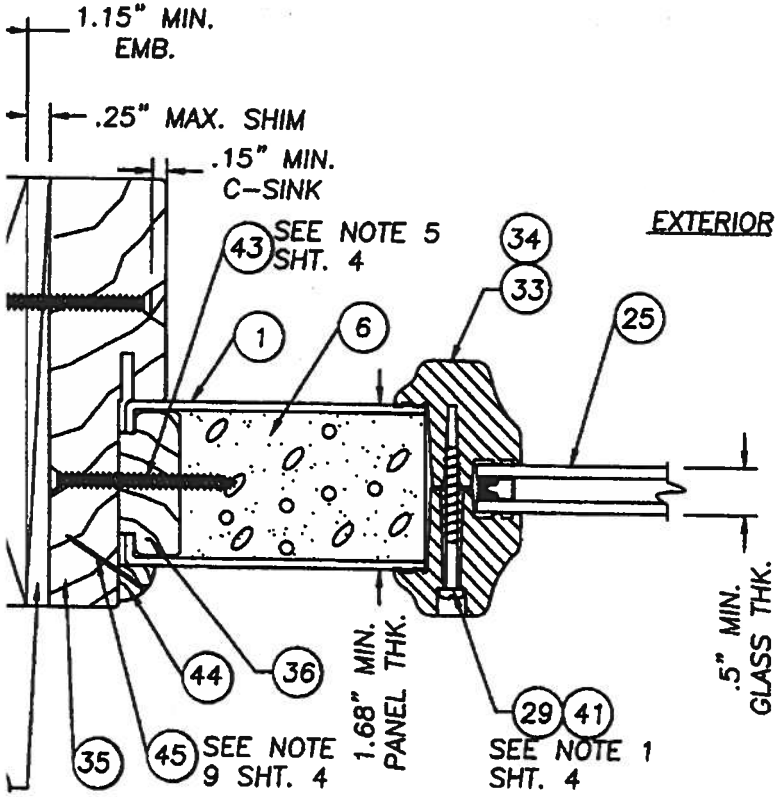
Anor

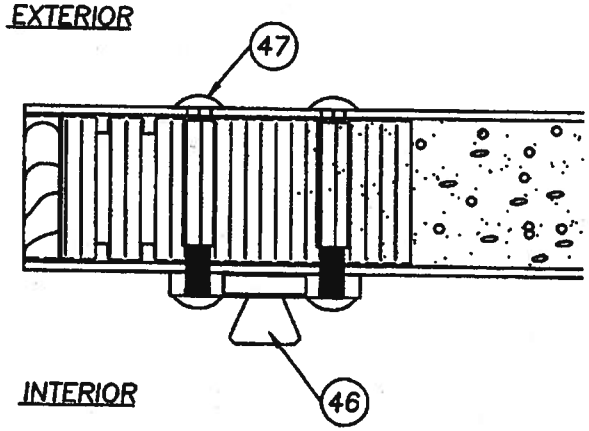


1/3 HORIZONTAL CROSS SECTION
@ ASTRAGAL
(SEE DESIGN PRESSURE RATE CHART)

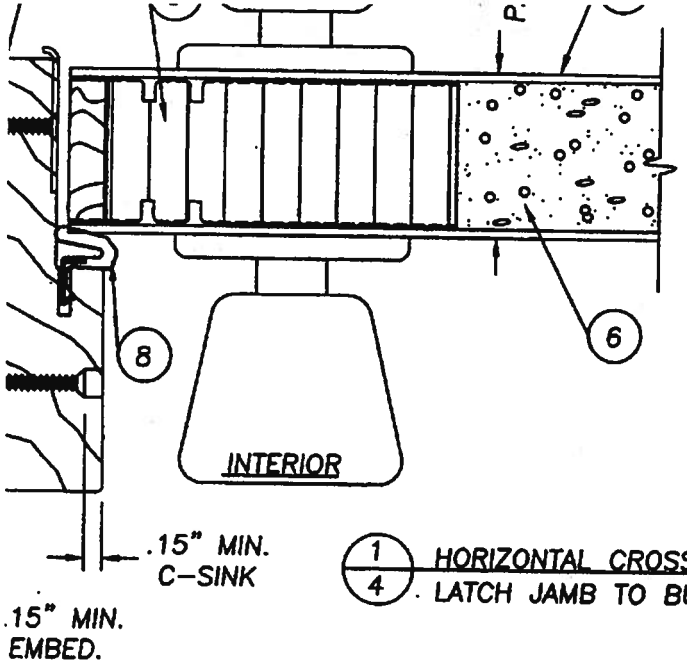


2/3 HORIZONTAL CROSS SI
@ HINGE JAMB TO SIL

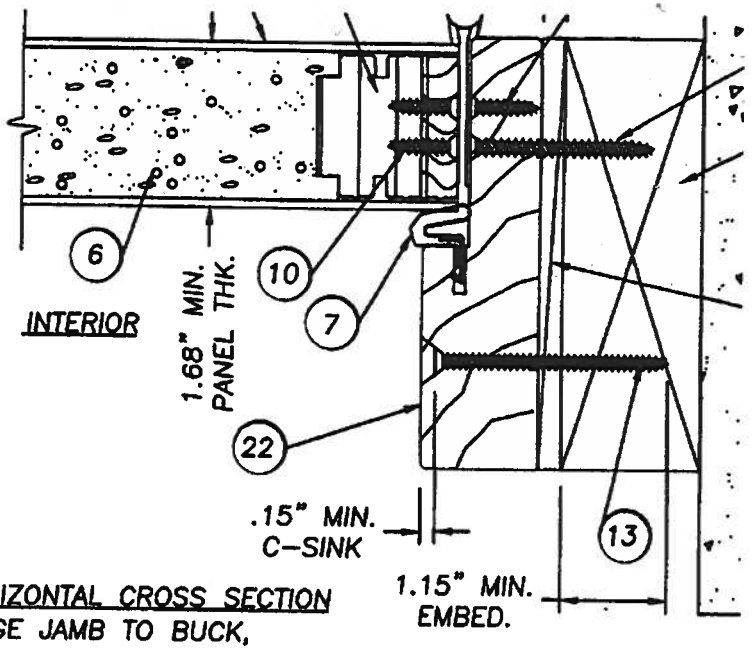




DETAIL "A"
OPTIONAL SURFACE BOLTS IN ACTIVE
(SEE DESIGN PRESSURE CHART)



1/4 HORIZONTAL CROSS SECTION
LATCH JAMB TO BUCK,

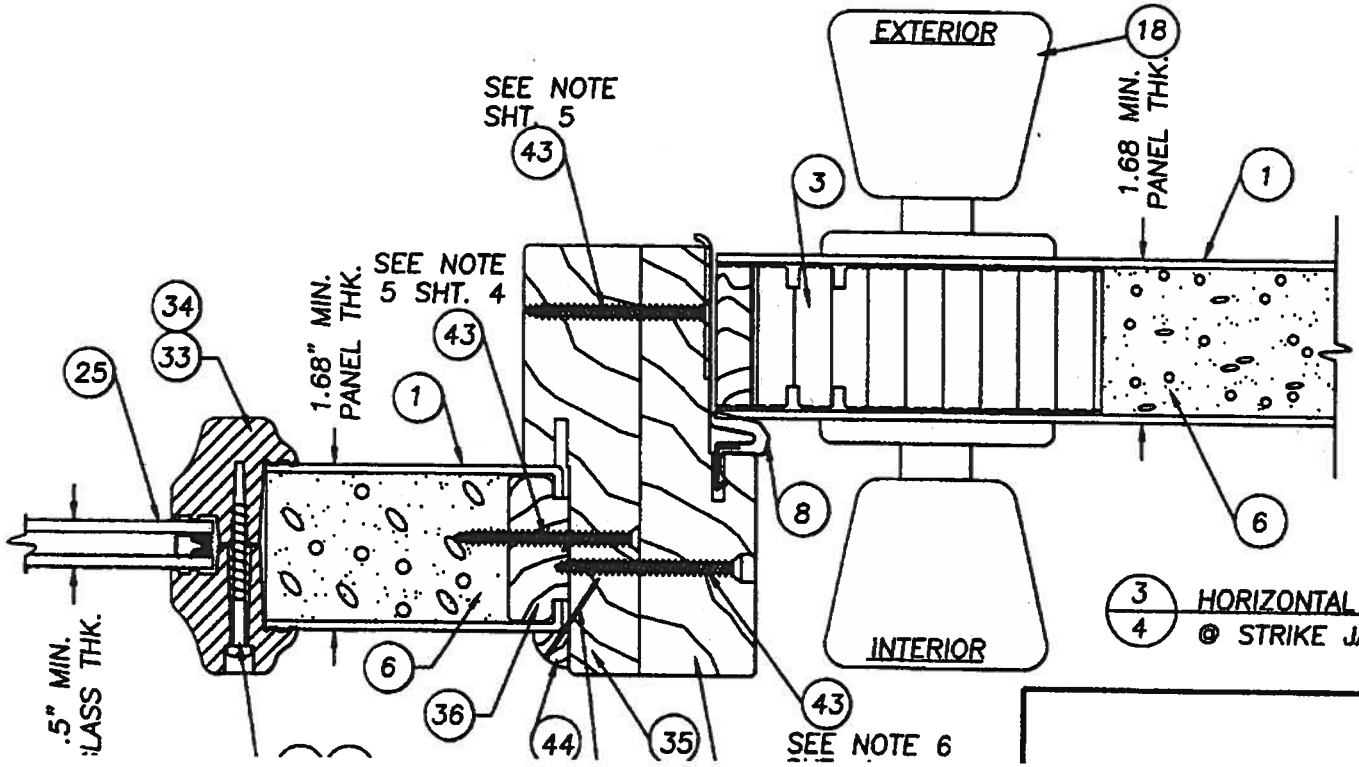


2/4 HORIZONTAL CROSS SECTION
HINGE JAMB TO BUCK,

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

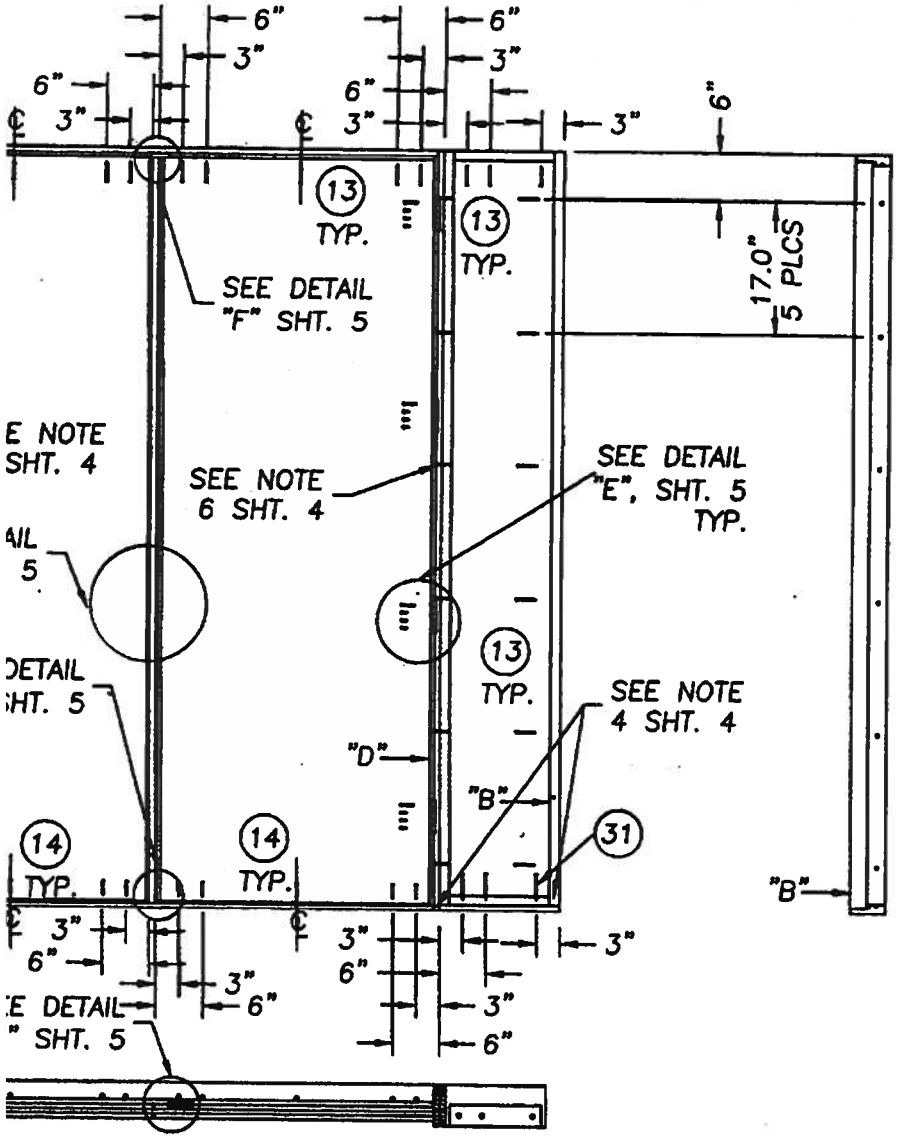
) TO THE SIDE JAMBS WITH

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
IE TOP AND UP FROM THE
ACED AT 16.9" O.C.
TO THE JAMB AND THE BUCK
N ATTACHING THE HINGE TO
AT THE MULLION USE ITEM

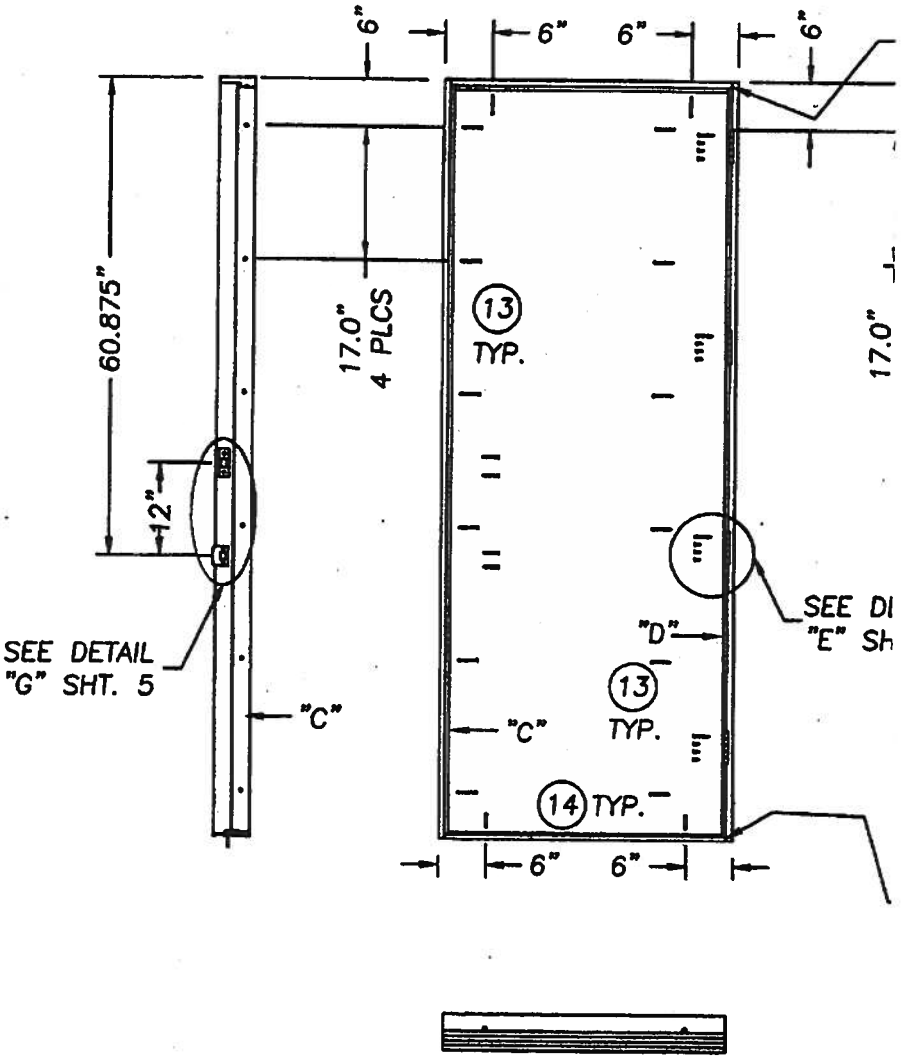


3/4 HORIZONTAL CROSS
@ STRIKE JAMB TO

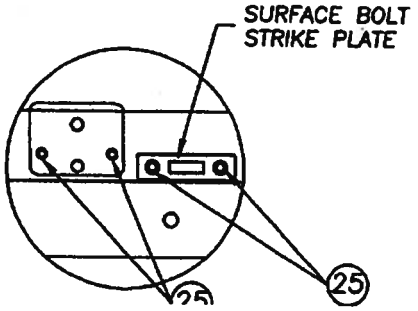
A1

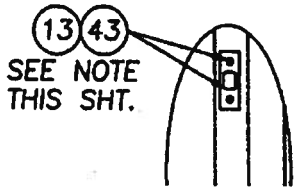


UBLE DOOR W/SIDELITES

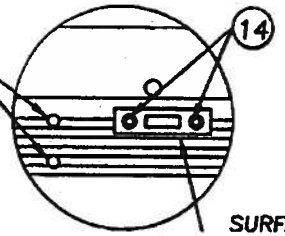


SINGLE DOOR

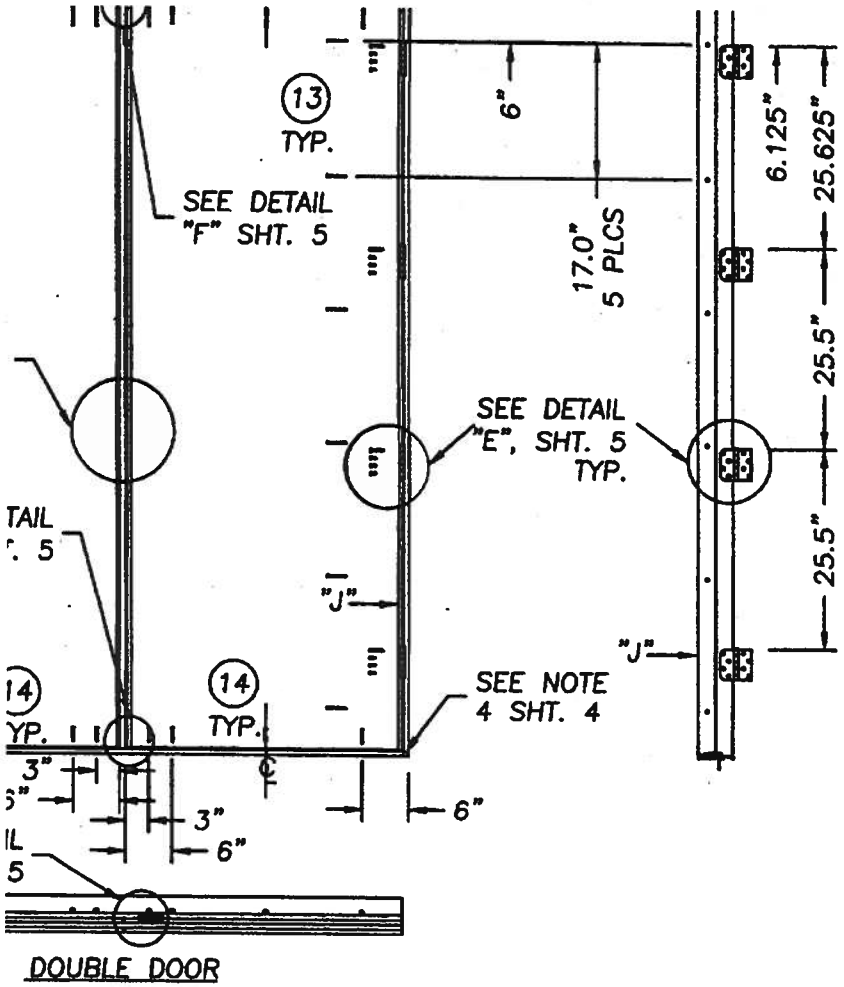




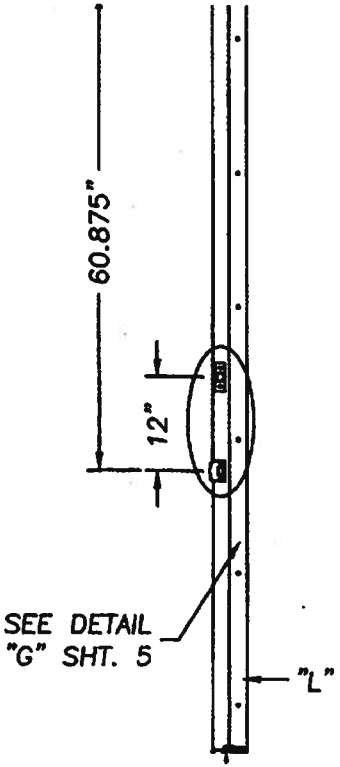
DRILL THRU FOR A ø.357" BOLT DEEP ENOUGH FOR A 2" BOLT THROW

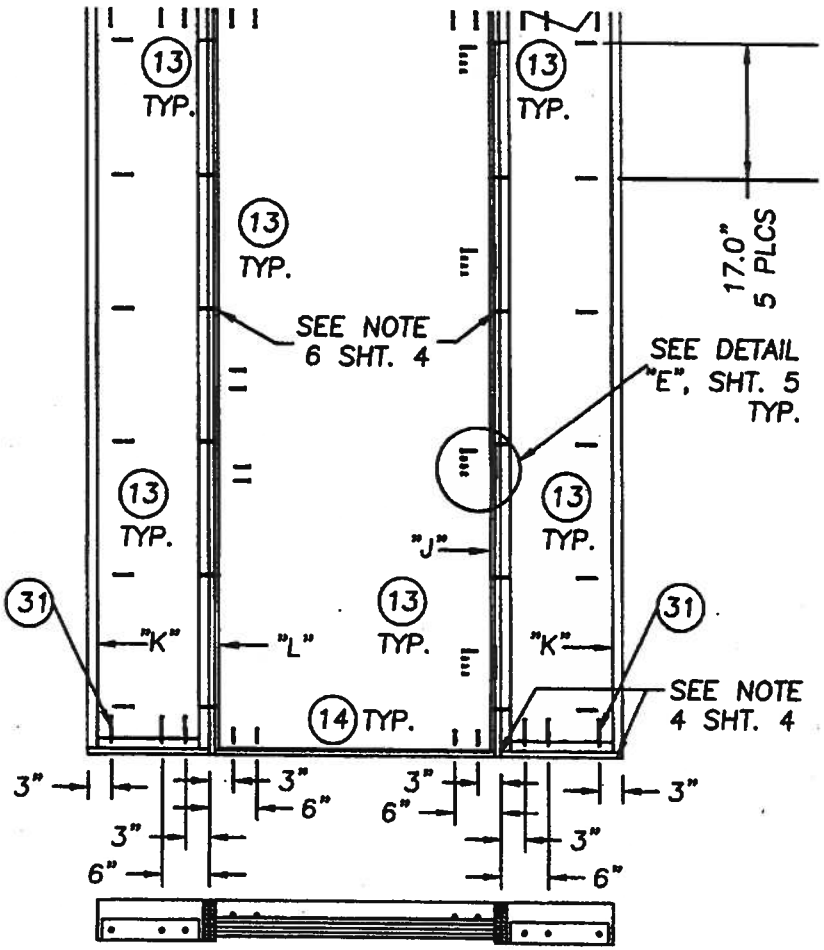


NOTE:
USE #8 x 2 1/2" PFH WOOD SCR
STRIKE AND DEADBOLT PLATES TO
ASTRAGAL EXCEPT IN THE MULLED
THE SIDELITE USE #8 x 2" PFH W

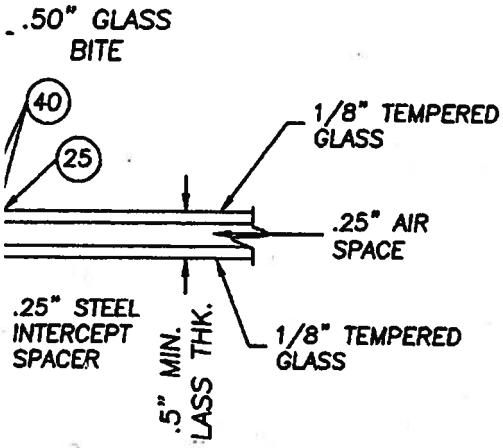


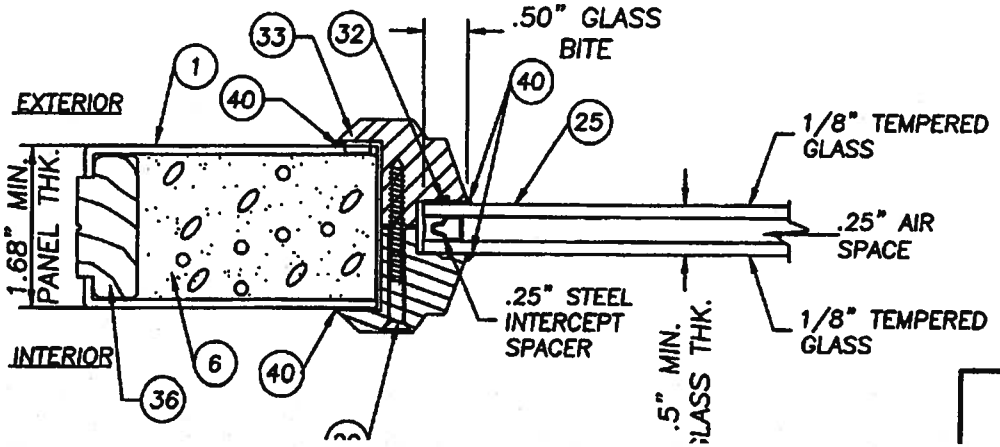
DOUBLE DOOR





SINGLE DOOR W/SIDELITES





.711

E

.246"

HOLD

ZONES"

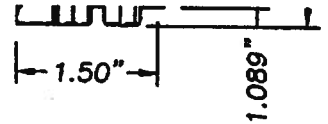
.528"

.03"

.246"

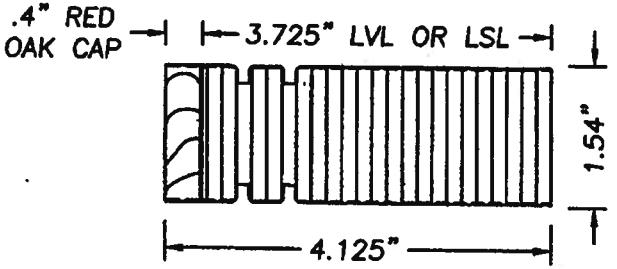
OUTSWING
D THRESHOLD

IE ZONES"

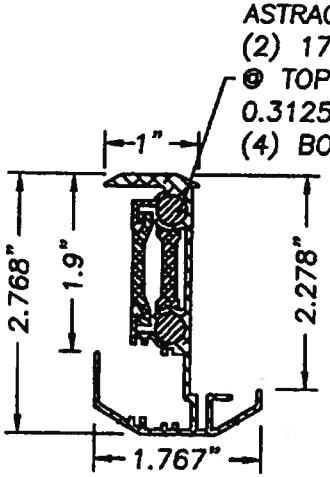


(4) HINGE SIDE STILE

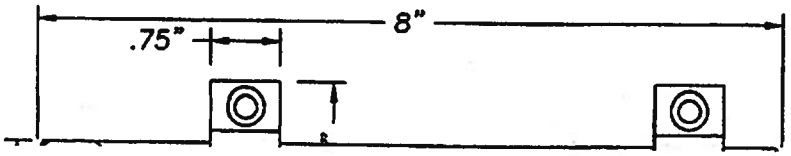
CORE MATERIAL: LVL OR LSL
ALTERNATE CORE MATERIAL: PONDEROSA, RADIATA, PULAI, ELLIOTTII, TAEDA OR SUGAR PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE CEDAR OR REDWOOD.



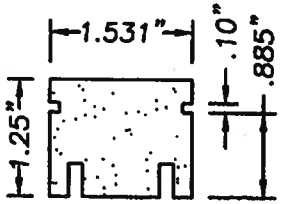
(3) LATCH SIDE STILE/ LOCK BLOCK
LVL OR LSL W/ KILN DRIED RED OAK CAP



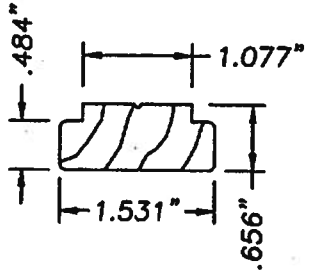
(24) WINDJAMBER II WR80T
ASTRAGAL (ALUMINUM .052" WALL TYP.)



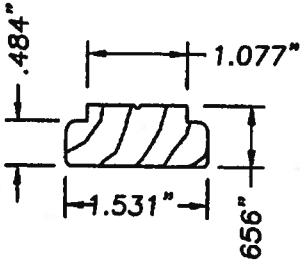
(2) TOP RAIL
WOOD COMPOSITE



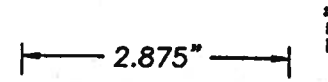
(5) BOTTOM RAIL
WOOD COMPOSITE

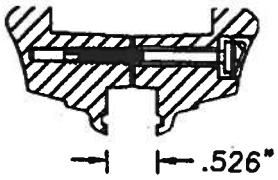


(42) SIDELITE TOP & BOTTOM RAIL
FINGER JOINTED PONDEROSA PINE

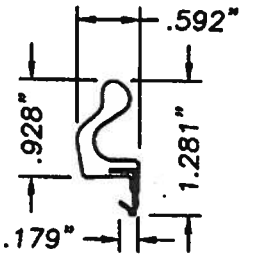


(36) SIDELITE BLANK SIDE STILE
FINGER JOINTED PONDEROSA PINE





(34) PLASTIC LIP LITE FRAME
EXTRUDED SMC

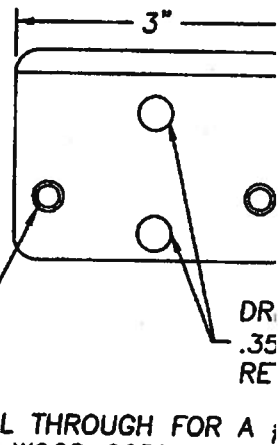


(8) LONG REACH
COMPRESSION WEATHERSTRIP
FOAM CELL CORE
W/VINYL JACKET

(33) P

1.327"

(7)
COMPRES
BY
FOA
W/



WINDJAMBER II WR80T

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

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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

NOTES

O MEET THE FLORIDA

IST BE ANCHORED PROPERLY
STRUCTURE.

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

SEE TABLE SHEET 1.

TER REQUIREMENTS FOR
'S" WITH USE OF HIGH DAM

IN AREAS REQUIRING WIND
ORIDA BUILDING CODE
SHUTTERS ARE REQUIRED.

) CAN BE USED IN A
ATION.

FIBERGLASS DOOR
me conditions)

n:
25" minimum thickness,
)0 psi
core,

in is constructed from a
and (SMC). The interior cavity
SF polyurethane foam. The
the wood stiles and rails.
VL or LSL. The latch stile
atch reinforcement. The top
composite material. In the
ive door is fitted with an
6060–T6 alloy.

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

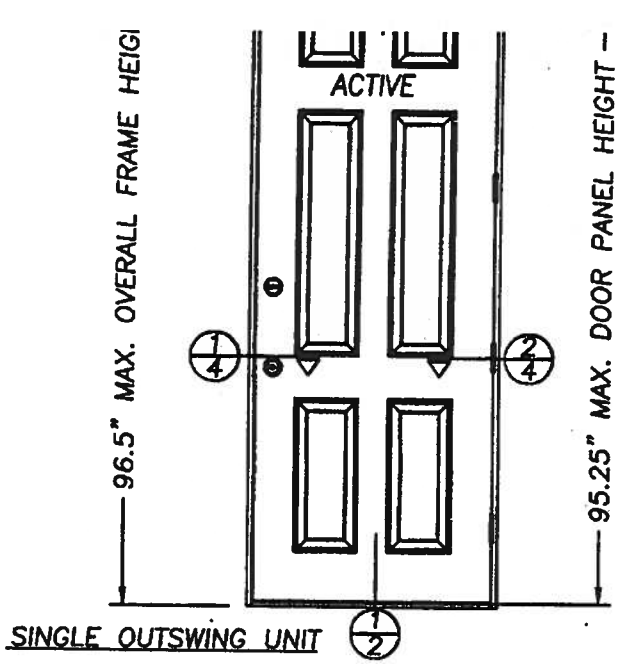
andwich glazed using a two piece
exterior with an 1/8" thk. cellular
Silicon Compound. The lite frames are
Plascrew or a #6–18 1 3/4" long

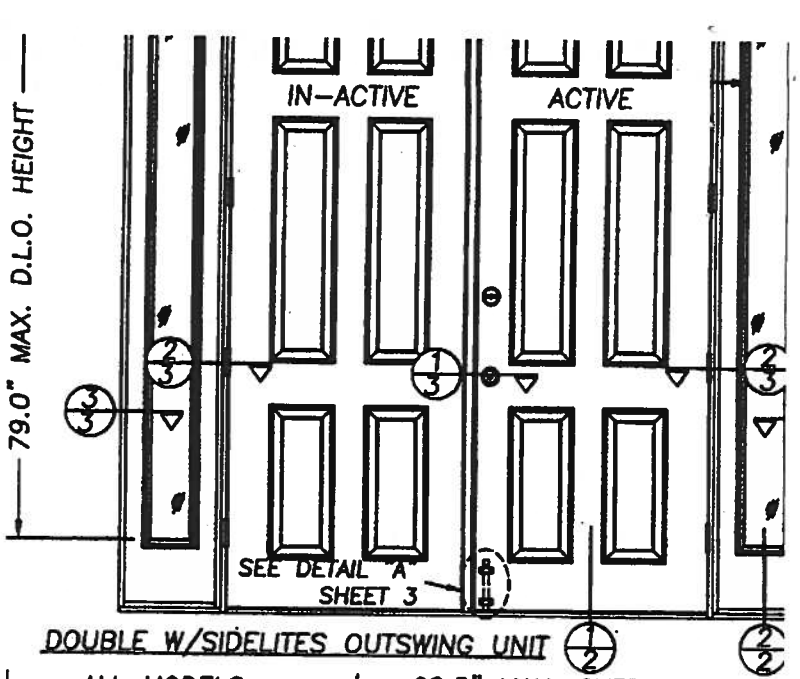
CONTENTS

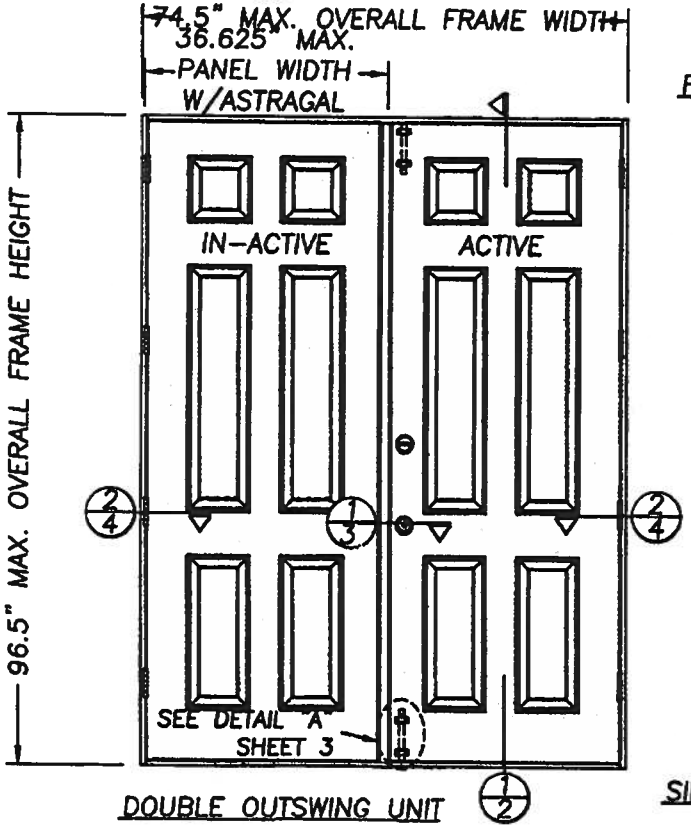
SCRIPTION

& GENERAL NOTES

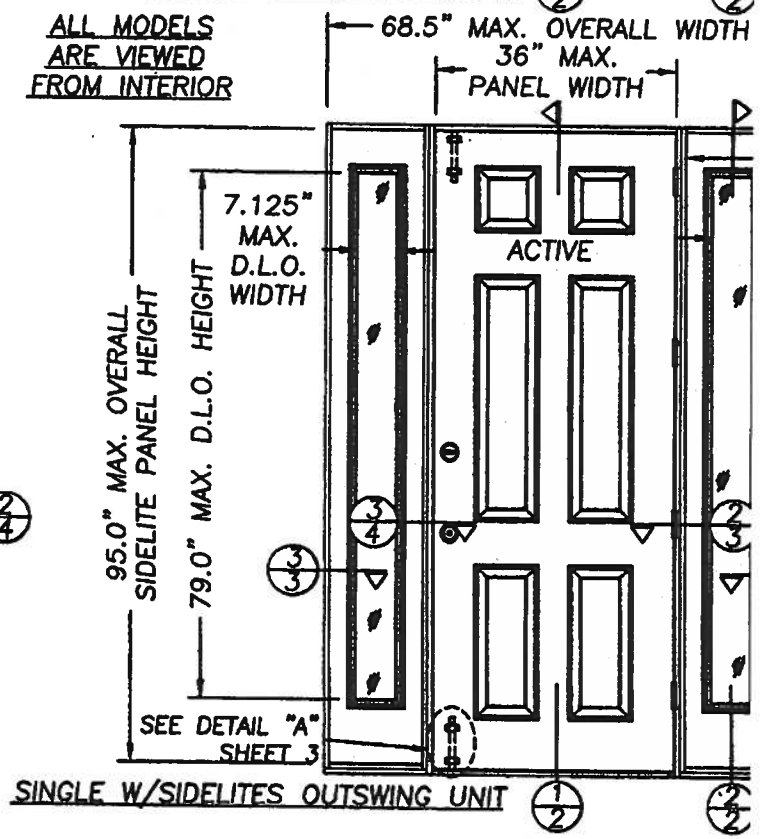
TIONS & BILL OF MATERIALS





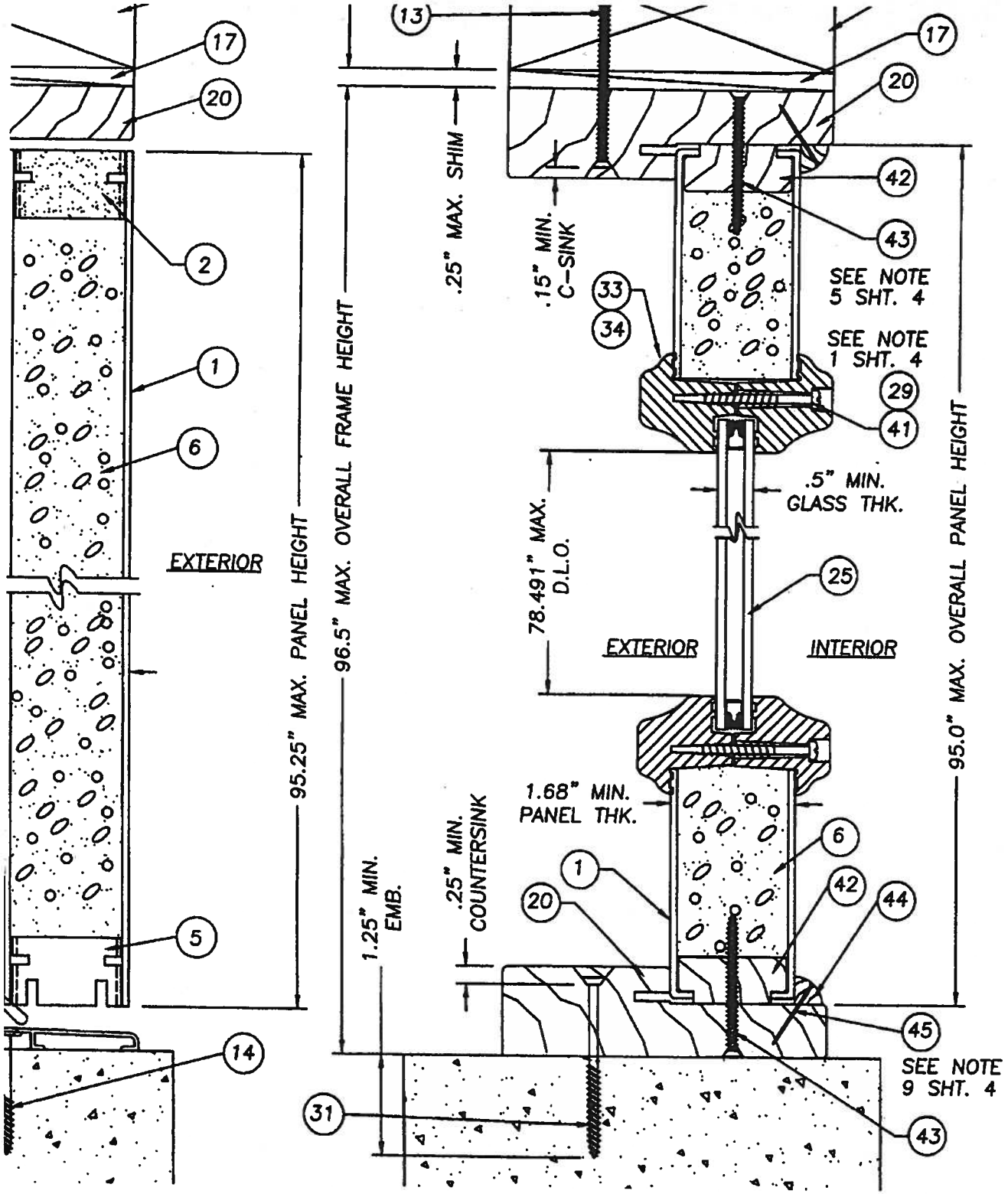


ALL MODELS ARE VIEWED FROM INTERIOR



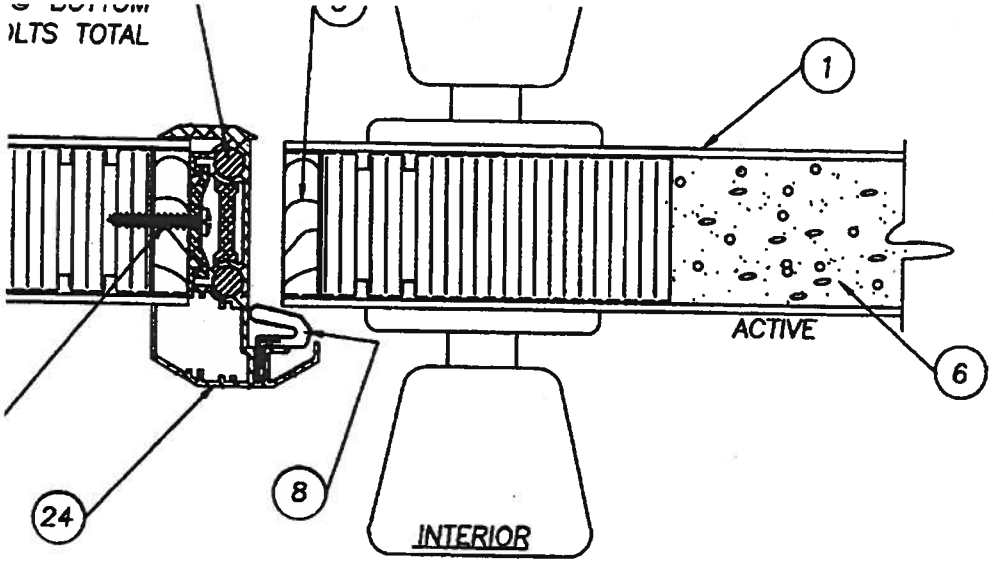
DESIGN PRESSURE RATING
WHERE WATER INFILTRATION IS REQUIRED

A1

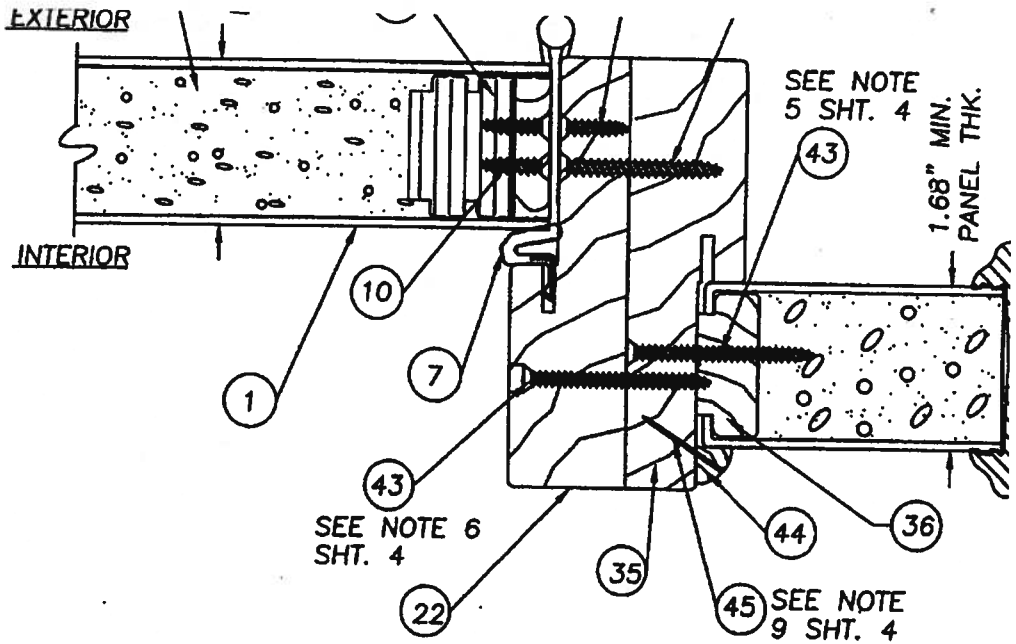


4	HINGE STILE (THERMA-TRU, LVL OR LSL & OAK 1.50" x
5	BOTTOM RAIL (1.50" x .94" THERMA-TRU WOOD COMPOSI
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSITY)
7	SHORT REACH COMPRESSION WEATHERSTRIP (THERMA-TRU
8	LONG REACH COMPRESSION WEATHERSTRIP (THERMA-TRU,
9	4" x 4" HINGE .097" THK. (THERMA-TRU)
10	#10 x 3/4" 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.

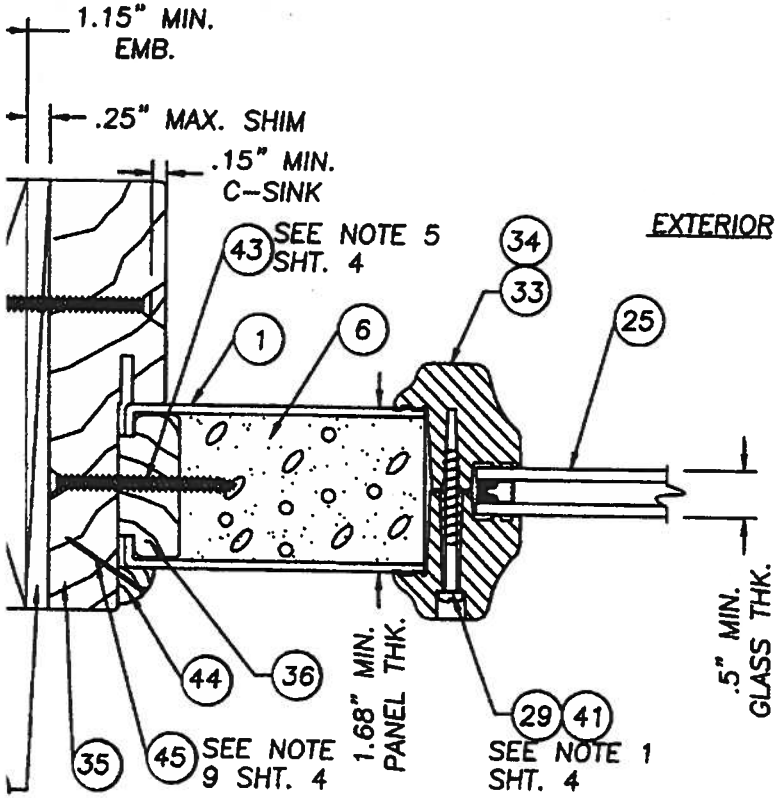
Anar

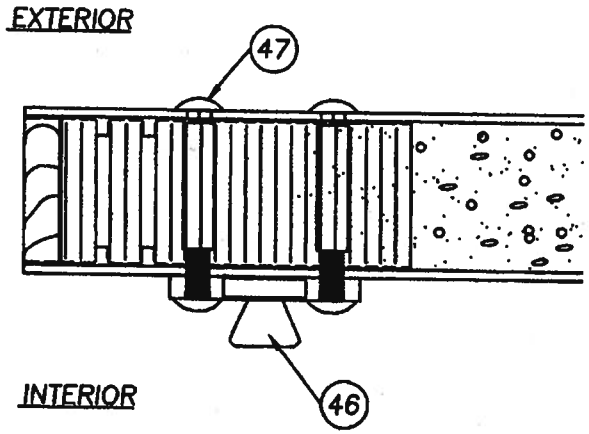


1/3 HORIZONTAL CROSS SECTION
@ ASTRAGAL
(SEE DESIGN PRESSURE RATE CHART)

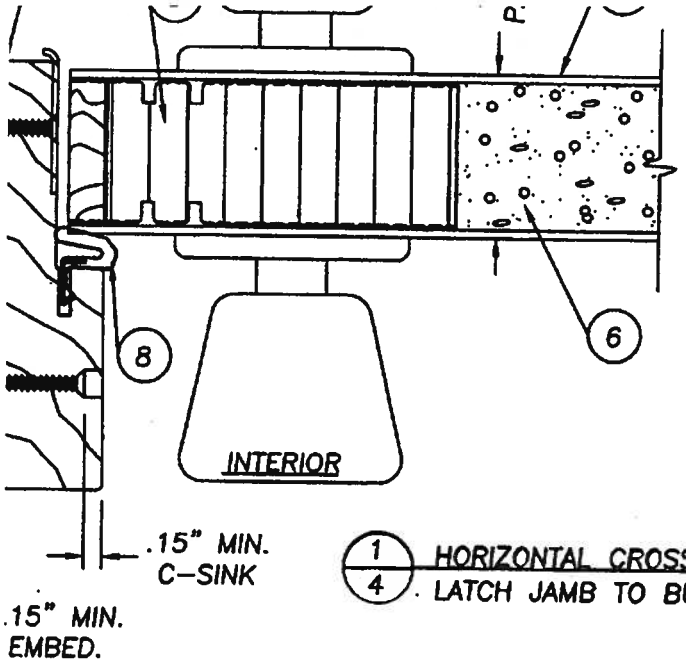


2/3 HORIZONTAL CROSS SI
@ HINGE JAMB TO SIL

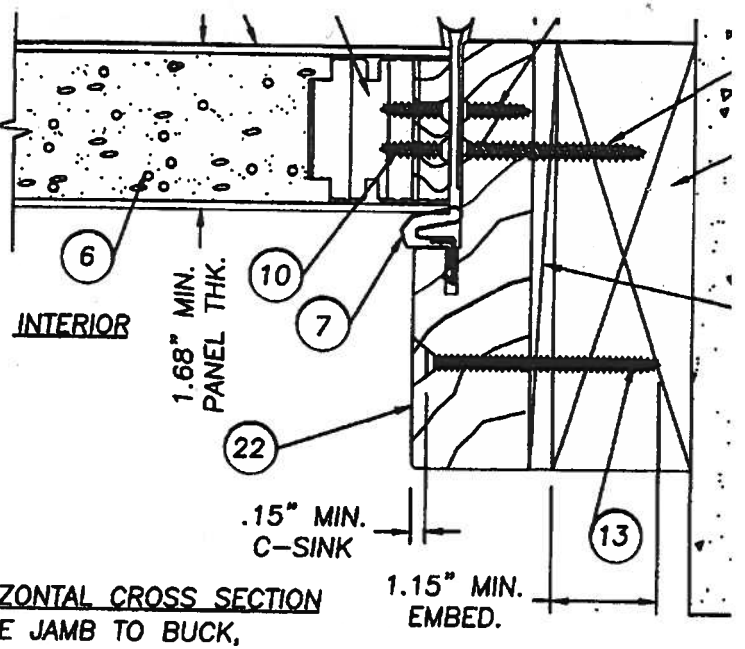




DETAIL "A"
OPTIONAL SURFACE BOLTS IN ACTIVE
(SEE DESIGN PRESSURE CHART)



1/4 HORIZONTAL CROSS SECTION
LATCH JAMB TO BUCK,

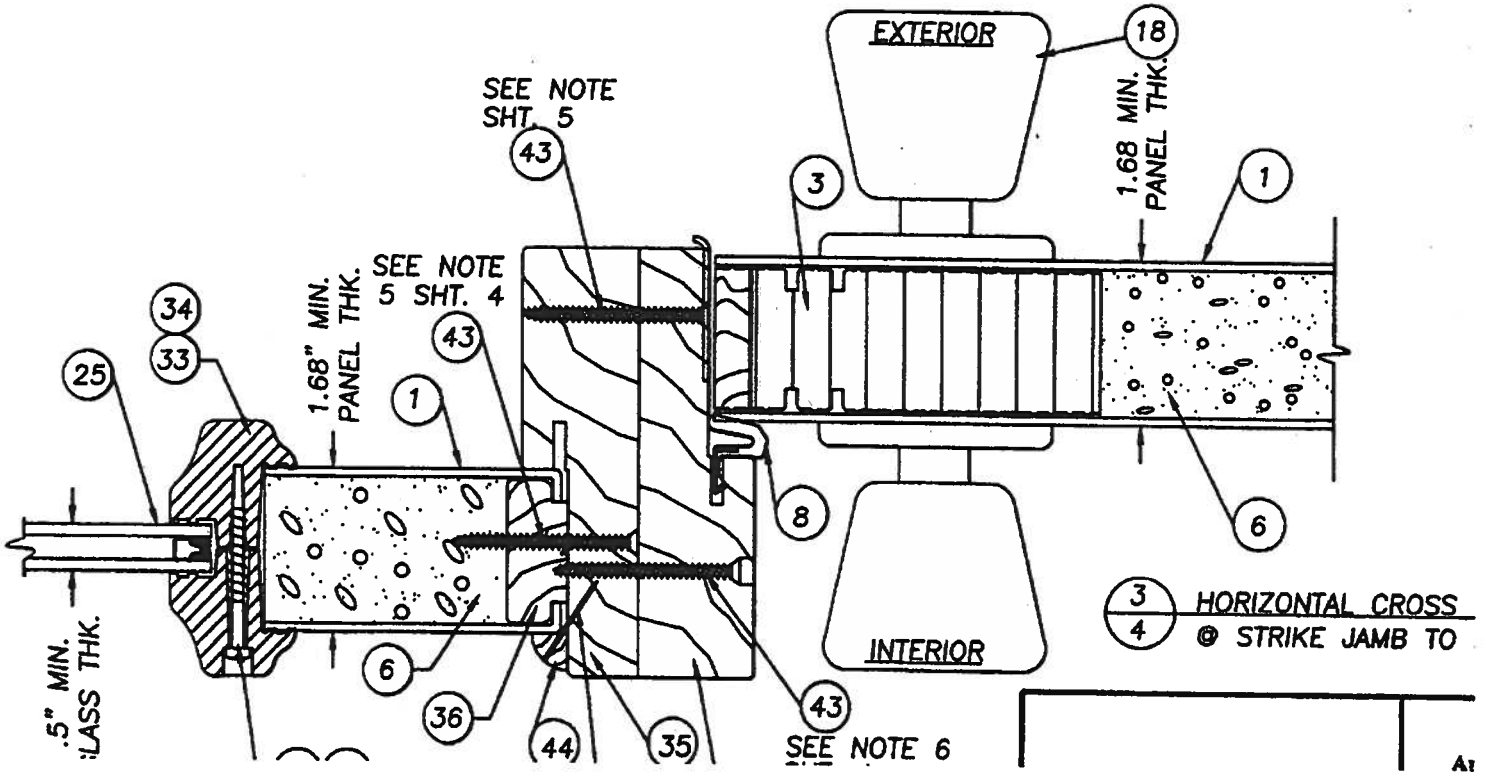


2/4 HORIZONTAL CROSS SECTION
HINGE JAMB TO BUCK,

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

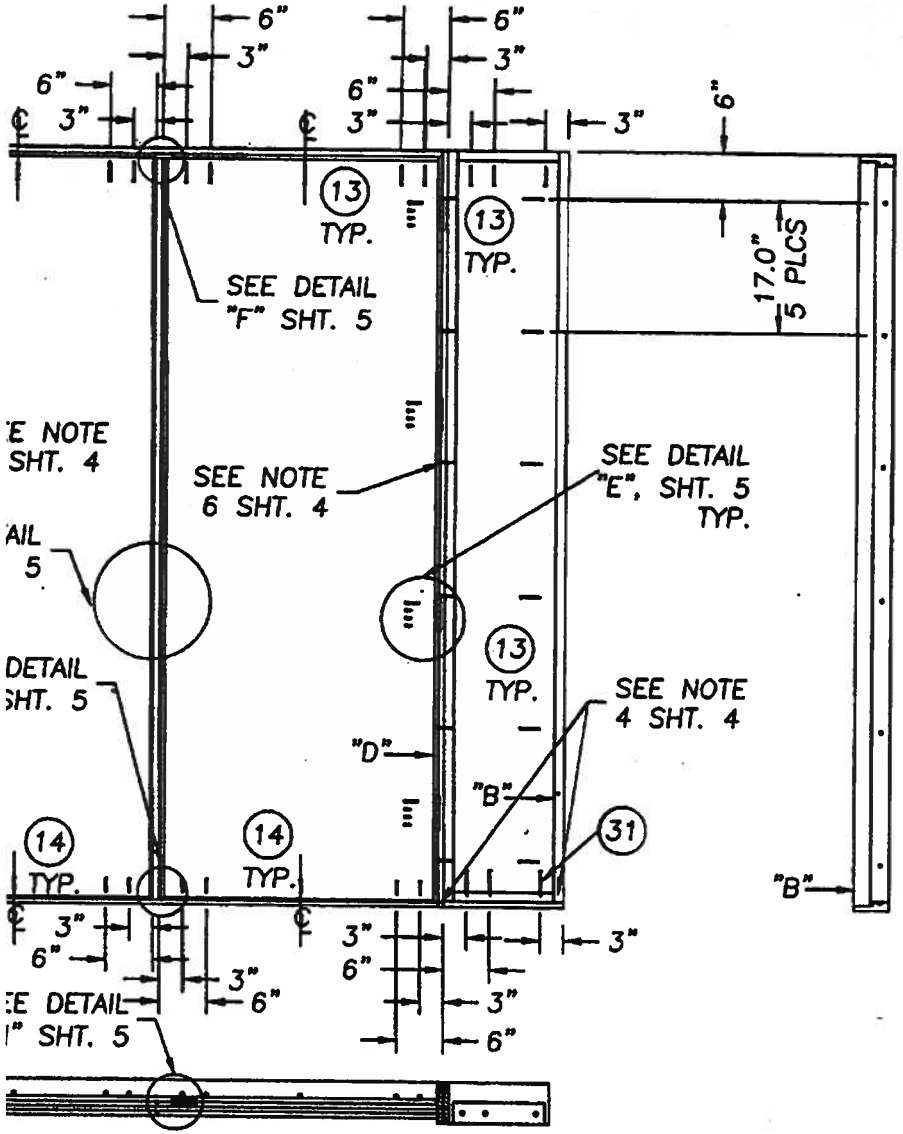
) TO THE SIDE JAMBS WITH

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
IE TOP AND UP FROM THE
ICED AT 16.9" O.C.
TO THE JAMB AND THE BUCK
N ATTACHING THE HINGE TO
AT THE MULLION USE ITEM

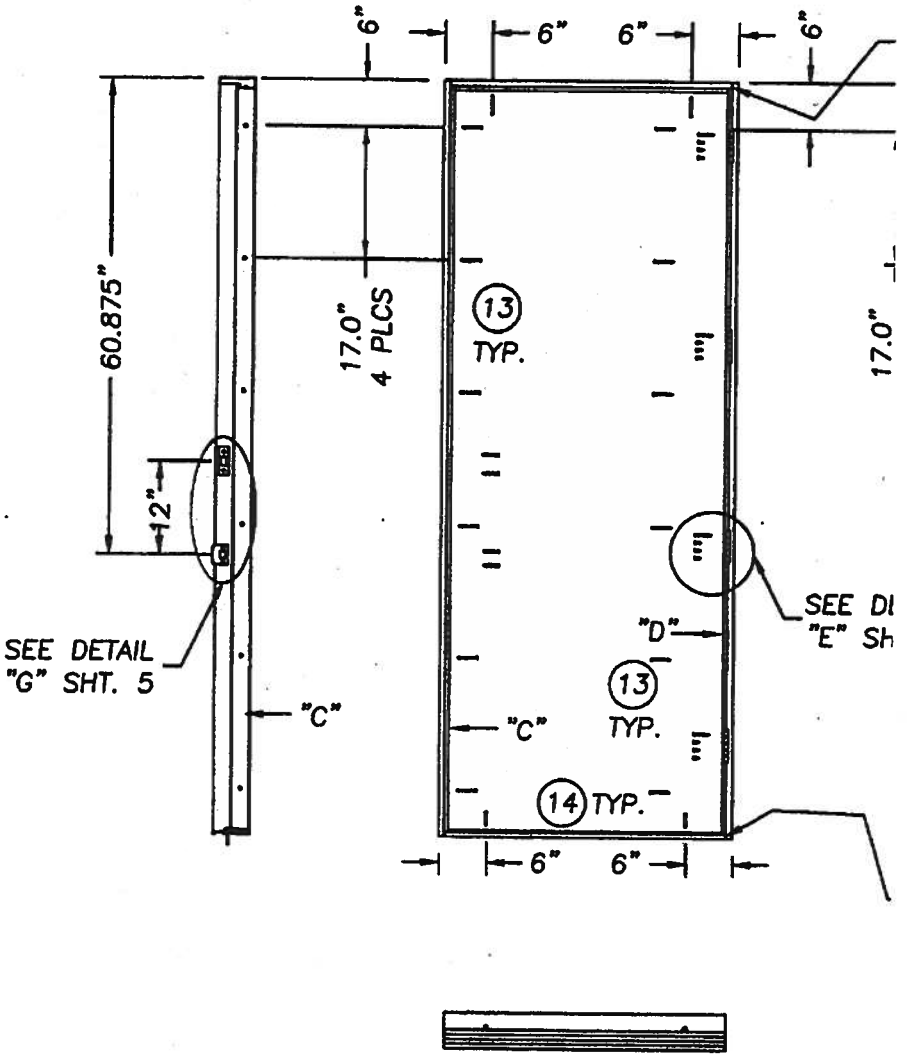


3/4 HORIZONTAL CROSS
@ STRIKE JAMB TO

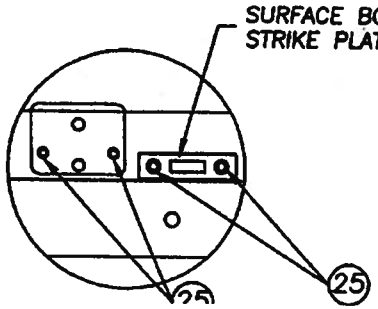
A1

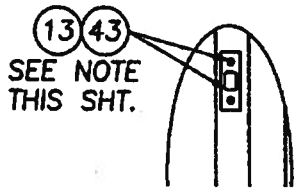


UBLE DOOR W/SIDELITES

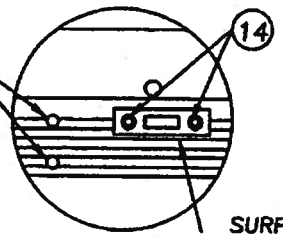


SINGLE DOOR

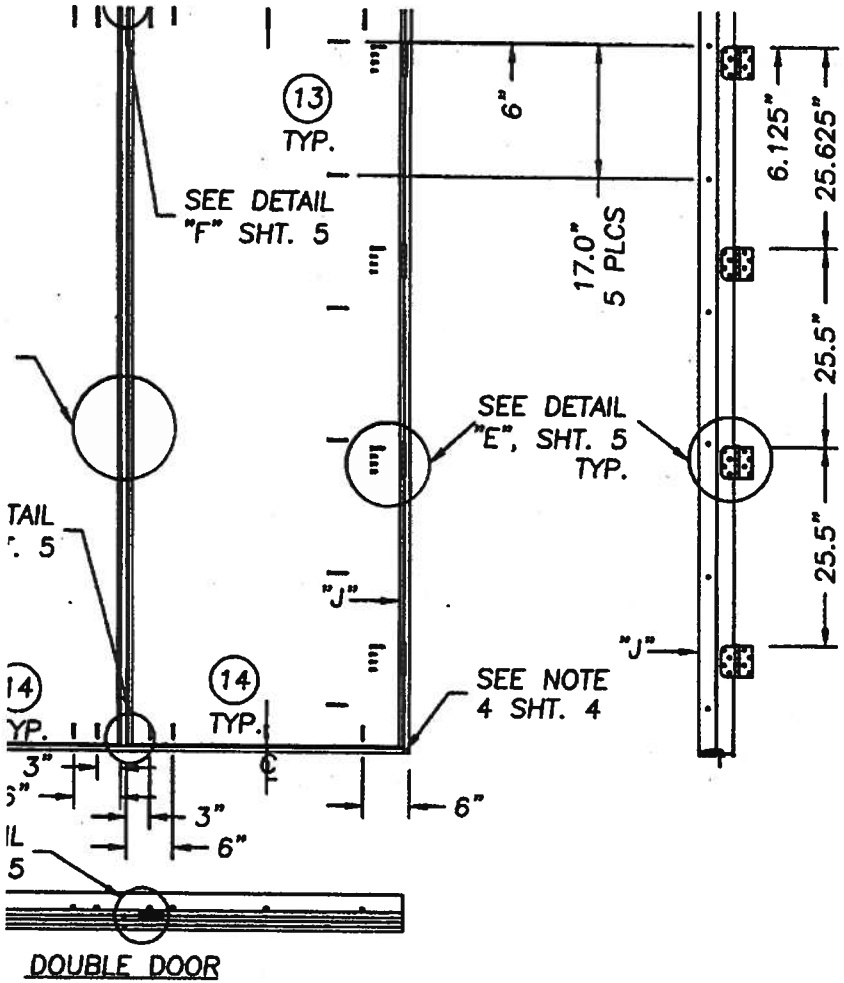


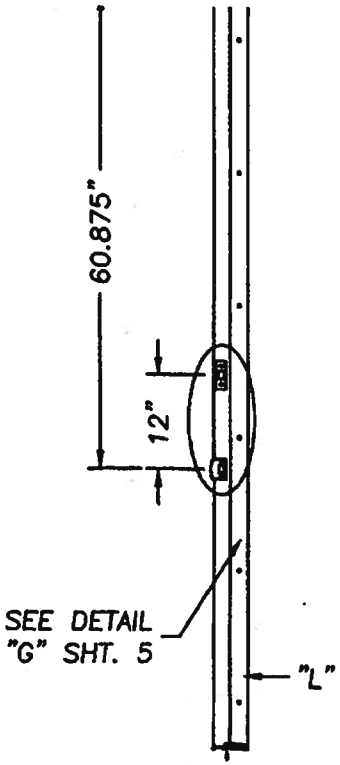


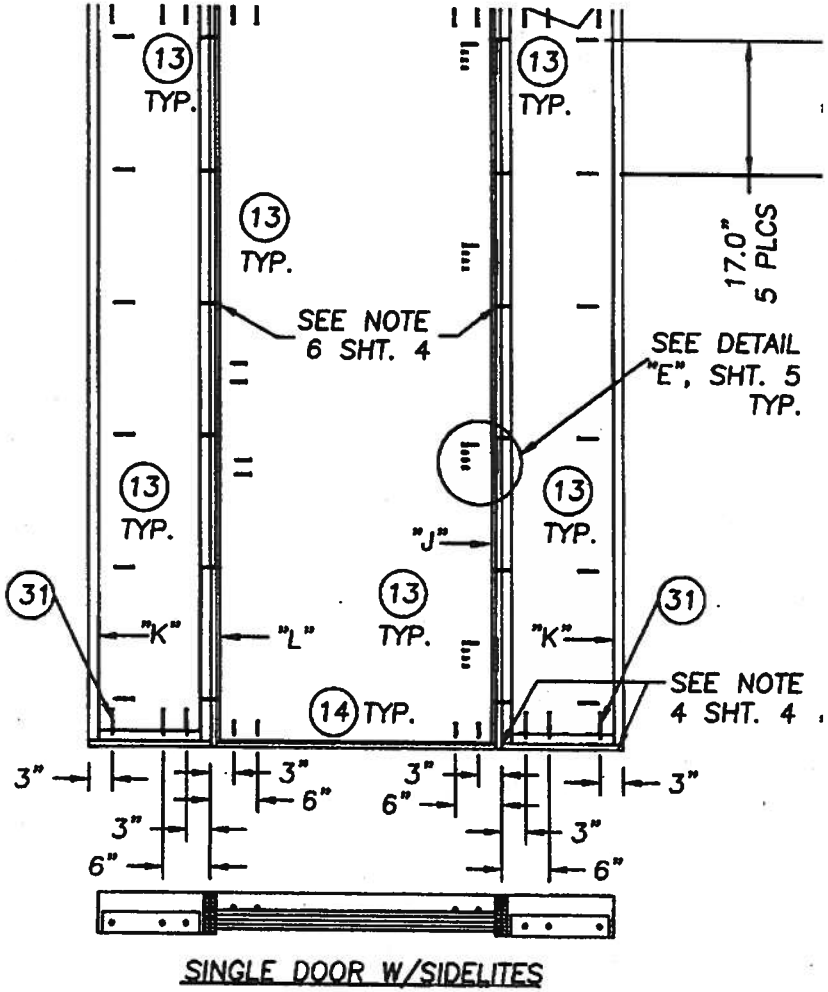
DRILL THRU FOR A ø.357" BOLT DEEP ENOUGH FOR A 2" BOLT THROW

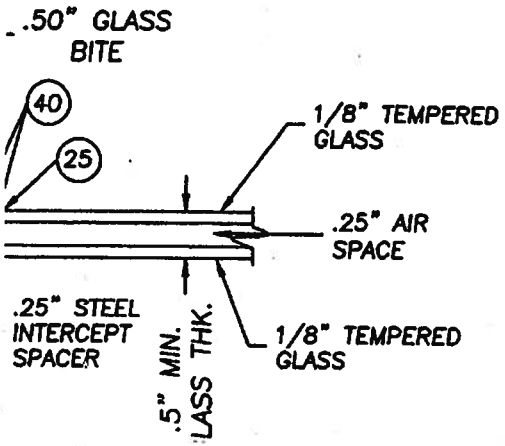


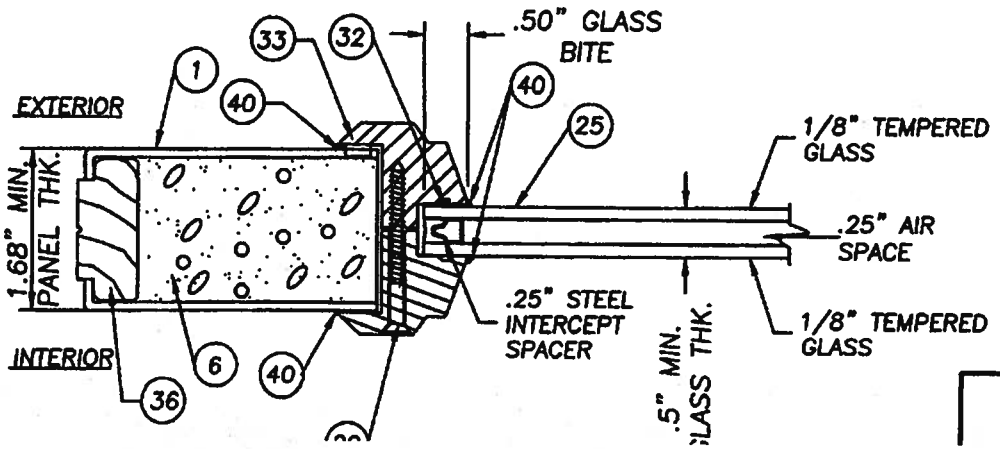
NOTE:
USE #8 x 2 1/2" PFH WOOD SCR
STRIKE AND DEADBOLT PLATES TO
ASTRAGAL EXCEPT IN THE MULLED
THE SIDELITE USE #8 x 2" PFH W


13 TYP.
6"
17.0" 5 PLCS
6.125"
25.625"
25.5"
25.5"
SEE DETAIL "F" SHT. 5
SEE DETAIL "E", SHT. 5 TYP.
"J"
"J"
"J"
SEE NOTE 4 SHT. 4
14 TYP.
14 TYP.
3"
3"
6"
6"
DOUBLE DOOR


60.875"
12"
SEE DETAIL "G" SHT. 5
"L"

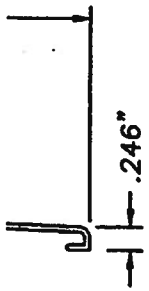

13 TYP.
13 TYP.
13 TYP.
13 TYP.
13 TYP.
13 TYP.
17.0" 5 PLCS
SEE NOTE 6 SHT. 4
SEE DETAIL "E", SHT. 5 TYP.
"J"
31
31
"K"
"L"
"K"
14 TYP.
SEE NOTE 4 SHT. 4
3"
3"
6"
3"
6"
3"
3"
6"
3"
6"
SINGLE DOOR W/SIDELITES


.50" GLASS BITE
40
25
1/8" TEMPERED GLASS
.25" AIR SPACE
.25" STEEL INTERCEPT SPACER
.5" MIN. GLASS THK.
1/8" TEMPERED GLASS


33
32
.50" GLASS BITE
1
40
40
25
EXTERIOR
1/8" TEMPERED GLASS
1.68" MIN. PANEL THK.
.25" AIR SPACE
.25" STEEL INTERCEPT SPACER
.5" MIN. GLASS THK.
1/8" TEMPERED GLASS
INTERIOR
6
40
36
40

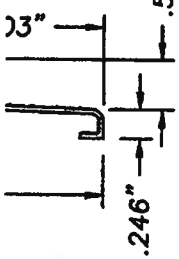
.711

E



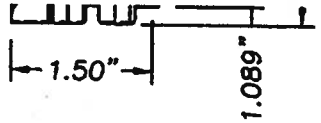
IOLD

ZONES"



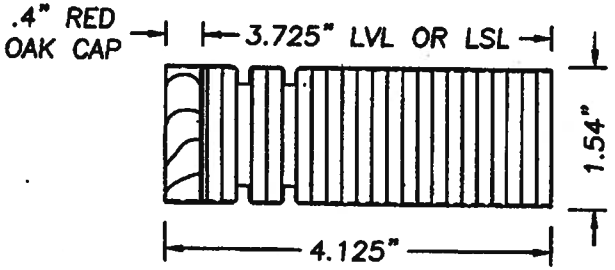
OUTSWING
D THRESHOLD

IE ZONES"

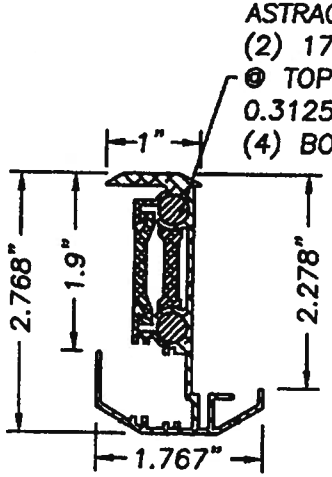


④ HINGE SIDE STILE

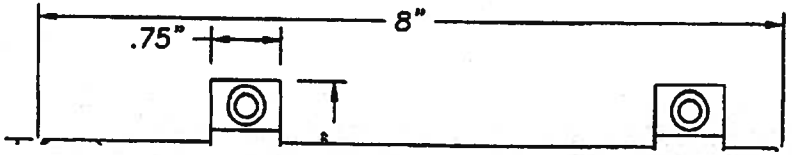
CORE MATERIAL: LVL OR LSL
ALTERNATE CORE MATERIAL: PONDEROSA, RADIATA, PULAI, ELLIOTTII, TAEDA OR SUGAR PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE CEDAR OR REDWOOD.



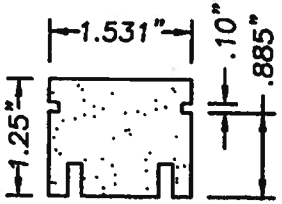
③ LATCH SIDE STILE/ LOCK BLOCK
LVL OR LSL W/ KILN DRIED RED OAK CAP



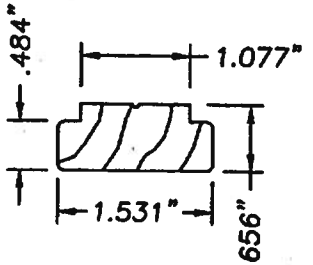
㉔ WINDJAMBER II WR80T
ASTRAGAL (ALUMINUM .052" WALL TYP.)



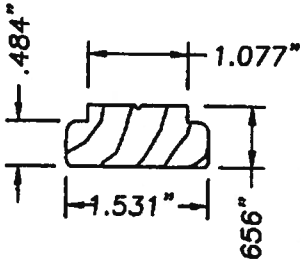
② TOP RAIL
WOOD COMPOSITE



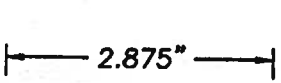
⑤ BOTTOM RAIL
WOOD COMPOSITE

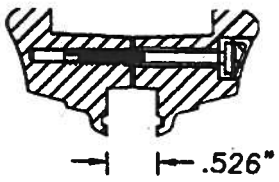


㊷ SIDELITE TOP & BOTTOM RAIL
FINGER JOINTED PONDEROSA PINE

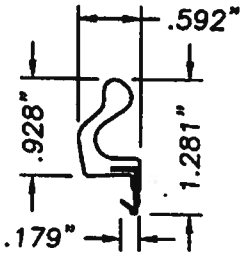


㊱ SIDELITE BLANK SIDE STILE
FINGER JOINTED PONDEROSA PINE

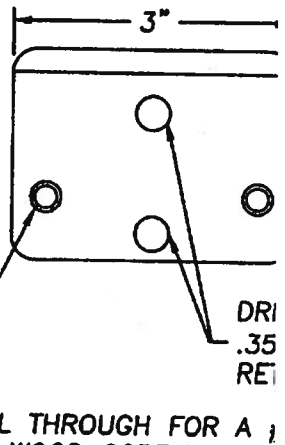




㉞ PLASTIC LIP LITE FRAME
EXTRUDED SMC



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



WINDJAMBER II WR80T

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	in		
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	Tread Rod		
B. WOOD ANCHORS			
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.

Tat Blue
APPLICANT SIGNATURE

12-4-06
DATE

R-1305 01-04

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 11-4S-16-02914-314 **Building permit No.** 000025304

Use Classification SF/UTILITY **Fire:** 38.52

Permit Holder B. TRENT GIEBEIG **Waste:** 100.50

Owner of Building PETER W.GIEBEIG **Total:** 139.02

Location: 150 SW VANN COURT, LAKE CITY, FL

Date: 04/09/2008

Wayne A. Russ

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.
Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

25304

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB102476 Company Phone No. 386-755-2511
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Trent Geibieg Construction Company Phone No. 397-0545

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 150 SW Vann Ct.
Mayfair S/D Lot #14 Lake City, FL 32024

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 1' Inside 2' Type of Fill Sand

Section 4: Treatment Information

Date(s) of Treatment(s) 10/23/07
Brand Name of Product(s) Used Termidor
EPA Registration No. 7969-210
Approximate Final Mix Solution % .06 %
Approximate Size of Treatment Area: Sq. ft. 2642 Linear ft. 262 Linear ft. of Masonry Voids 262
Approximate Total Gallons of Solution Applied 575 gallons
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List)

Comments

Name of Applicator(s) S. Gregory Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature Shannon Gregory Date 10/23/07

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

Project Information for:	L218984		
Builder:	GIEBEIG HOMES	Date:	11/29/2006
Lot:	LOT 14	Start Number:	**1390**
Subdivision:	MAYFAIR	SEI Ref:	L218984
County or City:	COLUMBIA COUNTY		
Truss Page Count:	29		

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	1129061390	11/29/2006				
2	CJ3	1129061391	11/29/2006				
3	CJ5	1129061392	11/29/2006				
4	EJ7	1129061393	11/29/2006				
5	HJ9	1129061394	11/29/2006				
6	T01	1129061395	11/29/2006				
7	T02	1129061396	11/29/2006				
8	T03	1129061397	11/29/2006				
9	T04	1129061398	11/29/2006				
10	T05	1129061399	11/29/2006				
11	T06	1129061400	11/29/2006				
12	T07	1129061401	11/29/2006				
13	T08	1129061402	11/29/2006				
14	T09	1129061403	11/29/2006				
15	T10	1129061404	11/29/2006				
16	T11	1129061405	11/29/2006				
17	T12	1129061406	11/29/2006				
18	T13	1129061407	11/29/2006				
19	T14	1129061408	11/29/2006				
20	T15	1129061409	11/29/2006				
21	T16	1129061410	11/29/2006				
22	T17	1129061411	11/29/2006				
23	T18	1129061412	11/29/2006				
24	T19	1129061413	11/29/2006				
25	T20	1129061414	11/29/2006				
26	T21	1129061415	11/29/2006				
27	T21G	1129061416	11/29/2006				
28	T23	1129061417	11/29/2006				
29	T24	1129061418	11/29/2006				

NOV 2 9 2006

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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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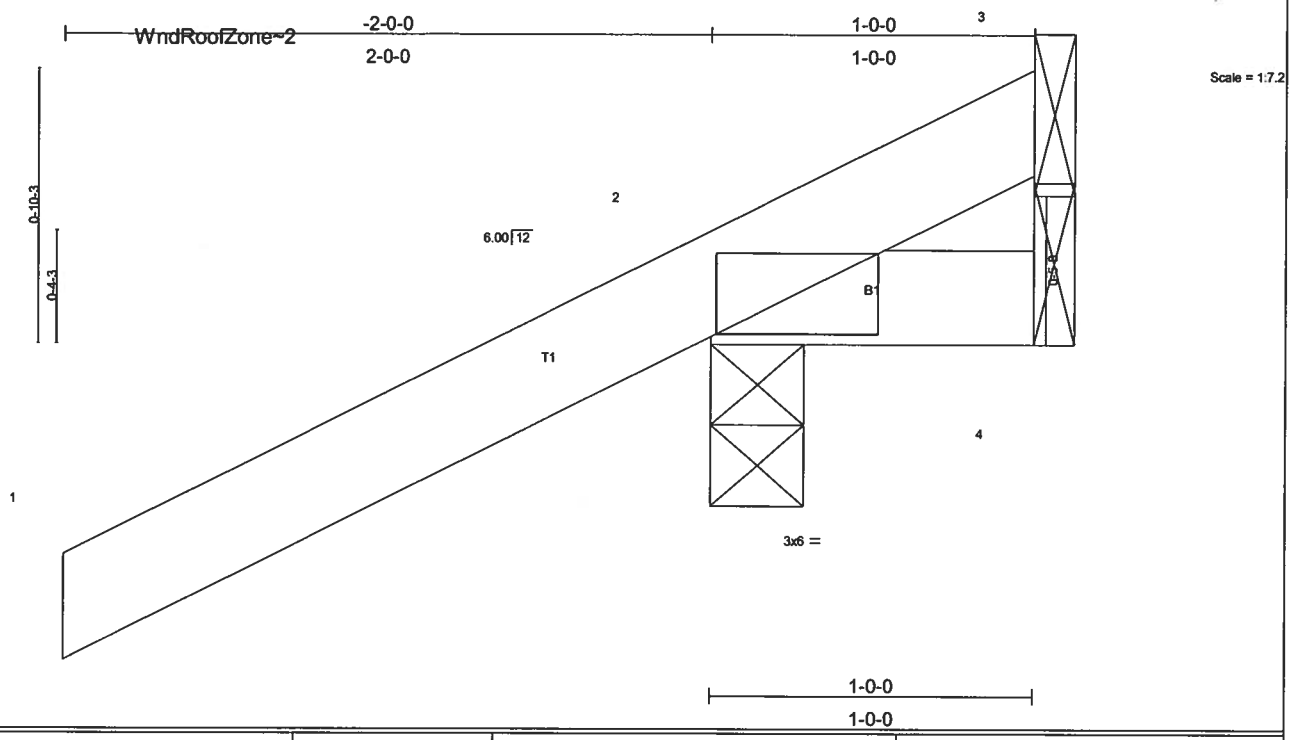
Dwg.#1129061390

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	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 10:44:59 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.

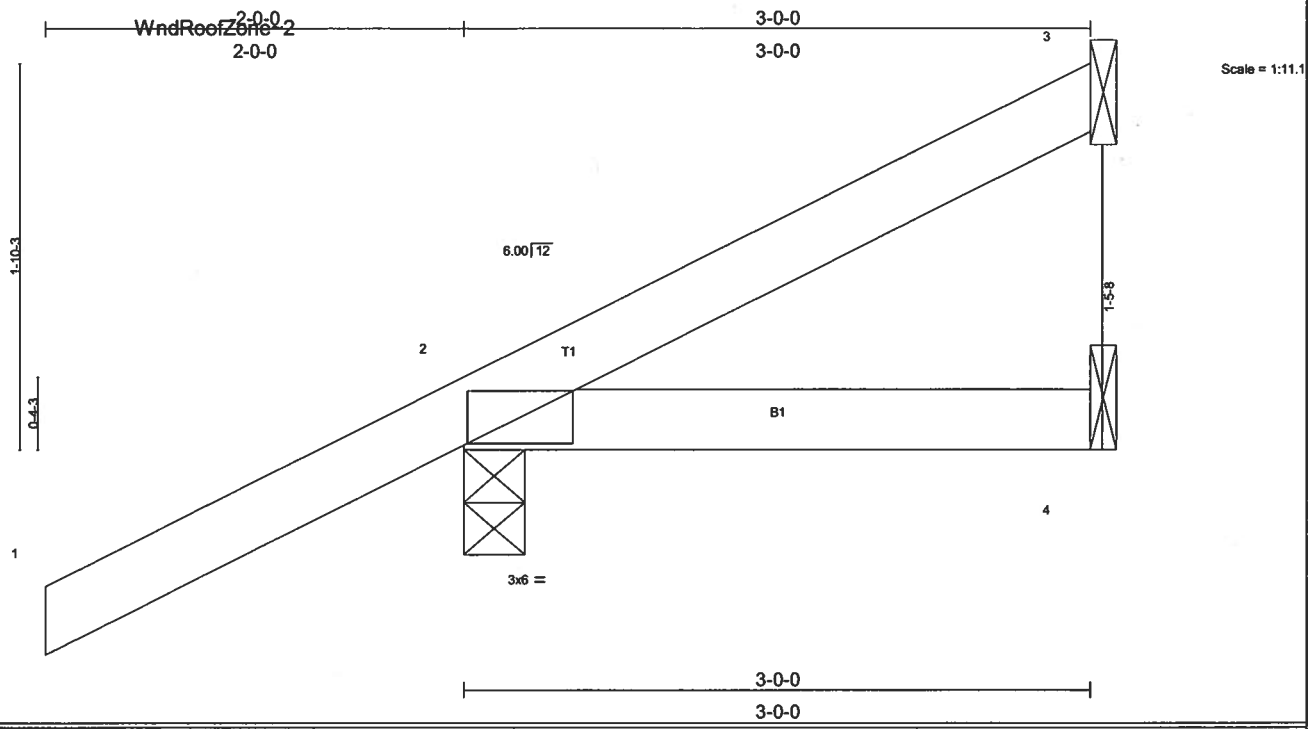
LOAD CASE(S) Standard

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 #1129061391

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	CJ3	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 10:45:00 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.

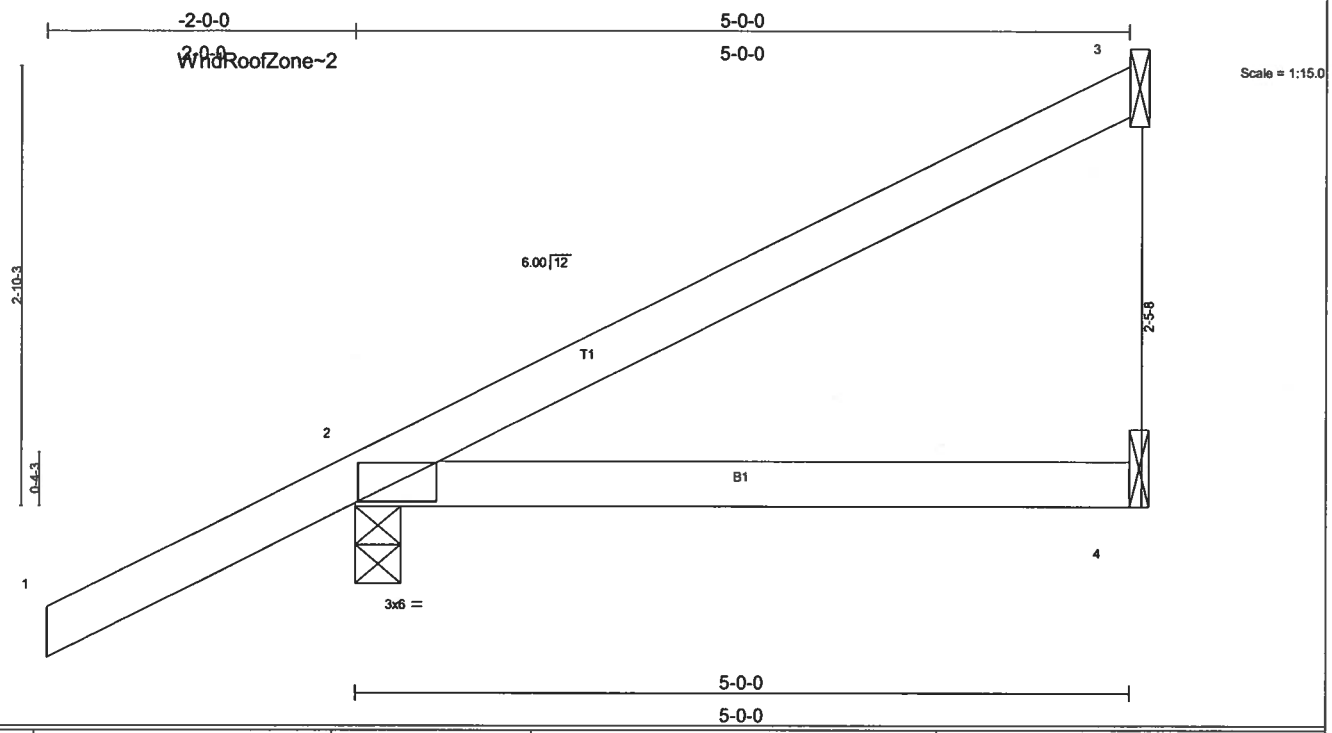
LOAD CASE(S) Standard

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 #1129061392

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	CJ5	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 10:45:00 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)	0.09	2-4	>663	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	0.07	2-4	>774	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 19 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=103/Mechanical, 2=343/0-3-8, 4=72/Mechanical
Max Horz 2=178(load case 5)
Max Uplift3=-87(load case 5), 2=-260(load case 5), 4=-46(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3, 260 lb uplift at joint 2 and 46 lb uplift at joint 4.

LOAD CASE(S) Standard

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.#1129061393

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	EJ7	MONO TRUSS	30	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 29 10:45:01 2006 Page 1

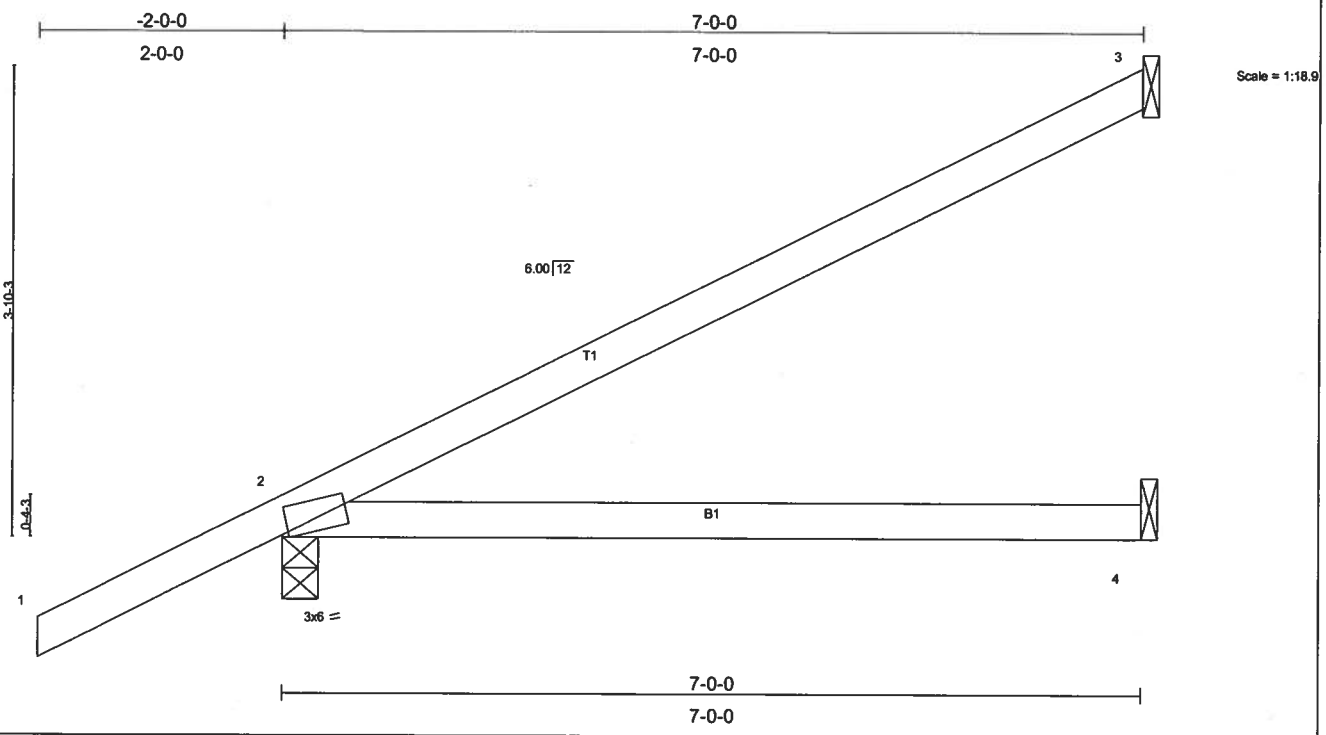


Plate Offsets (X,Y): [2:0-0-10,Edge]

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

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

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

REACTIONS (lb/size) 3=162/Mechanical, 2=419/0-3-8, 4=104/Mechanical
Max Horz 2=224(load case 5)
Max Uplift3=-144(load case 5), 2=-295(load case 5), 4=-68(load case 6)

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 = 0.78

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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 3, 295 lb uplift at joint 2 and 68 lb uplift at joint 4.

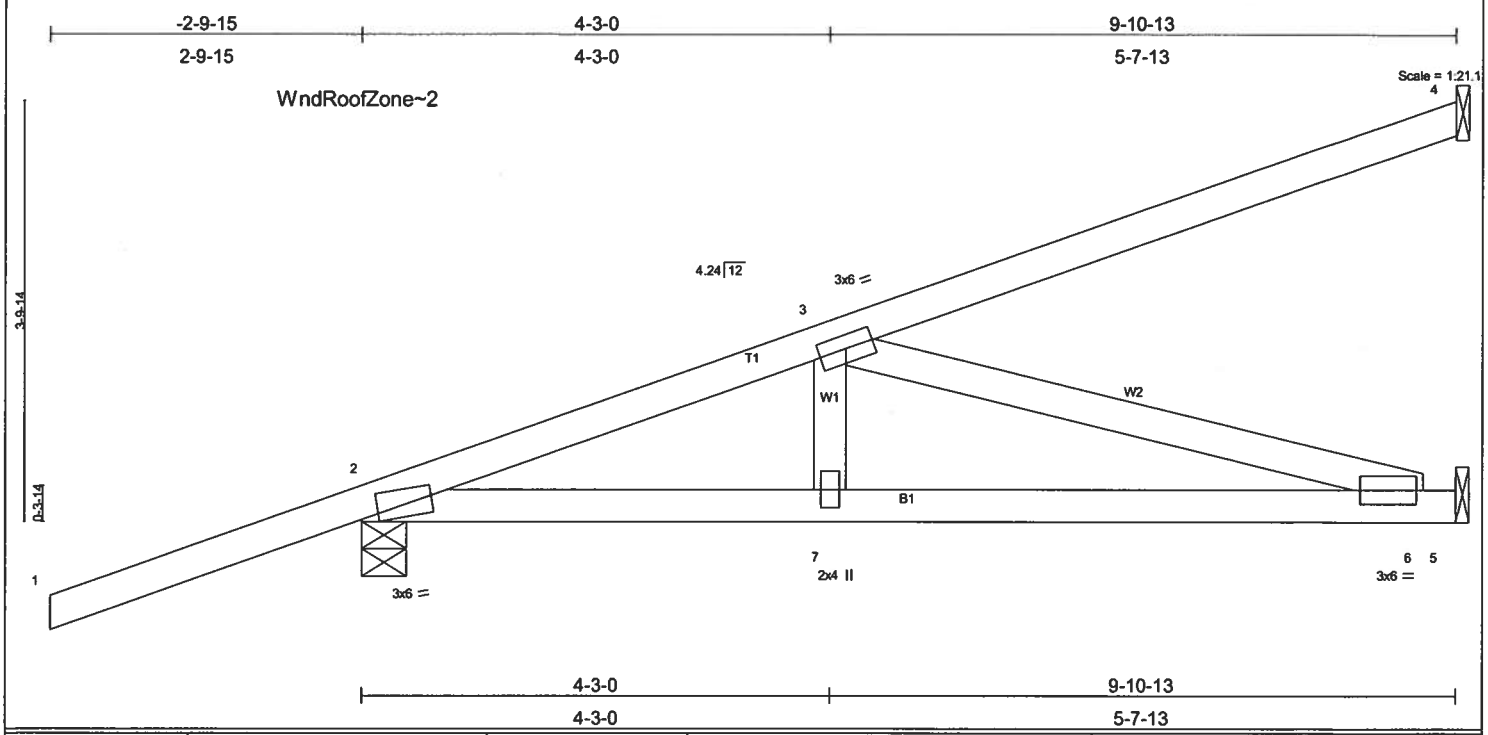
LOAD CASE(S) Standard

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 #1129061394

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	HJ9	ROOF TRUSS	7	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 29 10:45:02 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	0.61	Vert(LL)	-0.10	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.17	6-7	>685	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.49	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 45 lb	

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

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

REACTIONS (lb/size) 4=269/Mechanical, 2=532/0-4-15, 5=377/Mechanical
Max Horz 2=269(load case 2)
Max Uplift4=-233(load case 2), 2=-399(load case 2), 5=-183(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-889/365, 3-4=-105/66
BOT CHORD 2-7=-538/824, 6-7=-538/824, 5-6=0/0
WEBS 3-7=-89/180, 3-6=-857/559

JOINT STRESS INDEX
2 = 0.77, 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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 233 lb uplift at joint 4, 399 lb uplift at joint 2 and 183 lb uplift at joint 5.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

Dwg #1129061395

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T01	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 10:45:03 2006 Page 1

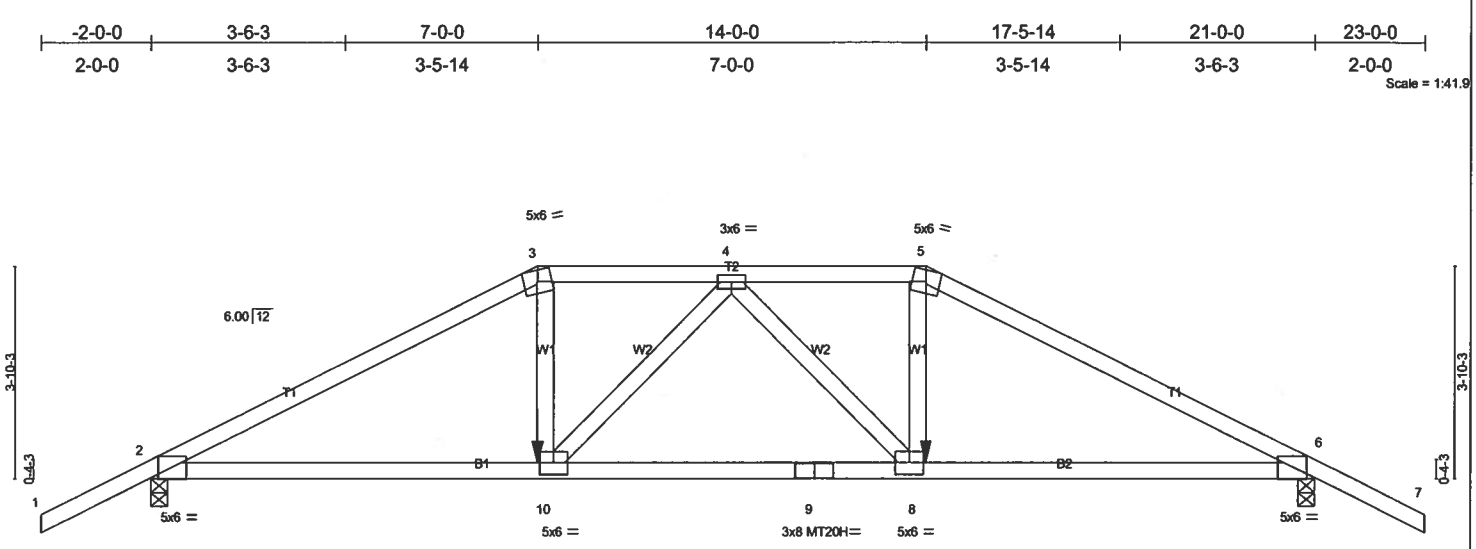


Plate Offsets (X,Y): [2:0-1-10,Edge], [6:0-1-10,Edge]

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

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-7-8 oc bracing.

REACTIONS (lb/size) 2=1866/0-3-8, 6=1866/0-3-8
Max Horz 2=87(load case 4)
Max Uplift2=-842(load case 4), 6=-842(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-3339/1333, 3-4=-2937/1265, 4-5=-2937/1265, 5-6=-3339/1333, 6-7=0/47
BOT CHORD 2-10=-1122/2894, 9-10=-1267/3085, 8-9=-1267/3085, 6-8=-1081/2894
WEBS 3-10=-405/1125, 4-8=-334/283, 5-8=-405/1125, 4-10=-334/283

JOINT STRESS INDEX
2 = 0.84, 3 = 0.74, 4 = 0.37, 5 = 0.74, 6 = 0.84, 8 = 0.40, 9 = 0.91 and 10 = 0.40

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 plates are MT20 plates unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 842 lb uplift at joint 2 and 842 lb uplift at joint 6.
7) Girder carries hip end with 7-0-0 end setback.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 14-0-0, 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.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-5=-118(F=-64), 5-7=-54, 2-10=-30, 8-10=-65(F=-35), 6-8=-30
Concentrated Loads (lb)
Vert: 10=-539(F) 8=-539(F)

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.#1129061396

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T02	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 10:45:03 2006 Page 1

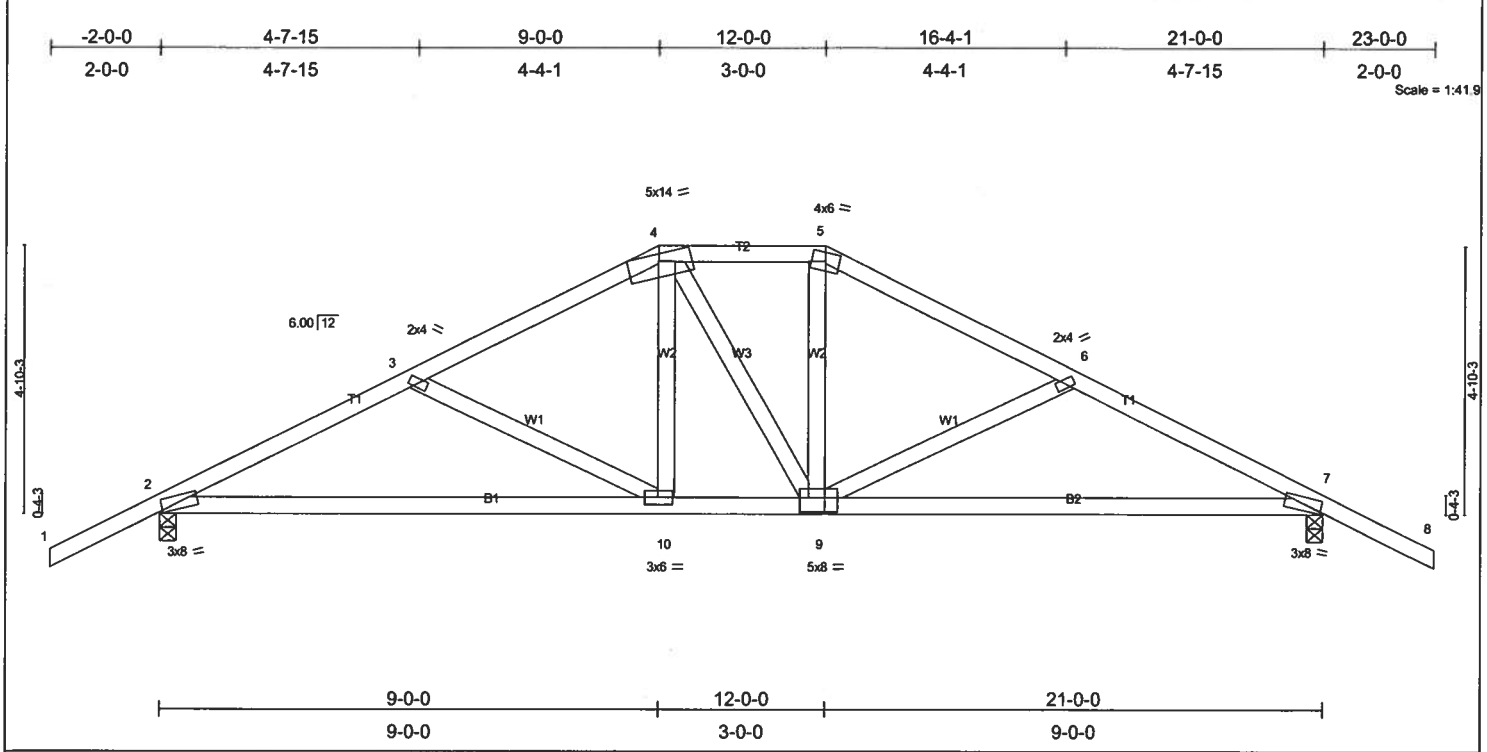


Plate Offsets (X,Y): [2:0-0-10,Edge], [7:0-0-10,Edge], [9:0-2-12,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.16	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.28	2-10	>879	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 107 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=986/0-3-8, 7=986/0-3-8
Max Horz 2=-101(load case 6)
Max Uplift2=-400(load case 5), 7=-400(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1422/440, 3-4=-1155/332, 4-5=-987/343, 5-6=-1163/334, 6-7=-1424/440, 7-8=0/47
BOT CHORD 2-10=-359/1233, 9-10=-172/989, 7-9=-277/1234
WEBS 3-10=-285/210, 4-10=-47/303, 5-9=-66/308, 6-9=-279/209, 4-9=-107/100

JOINT STRESS INDEX
2 = 0.81, 3 = 0.34, 4 = 0.33, 5 = 0.33, 6 = 0.34, 7 = 0.79, 9 = 0.82 and 10 = 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 400 lb uplift at joint 2 and 400 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.#1129061397

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T03	ROOF TRUSS	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 29 10:45:04 2006 Page 1

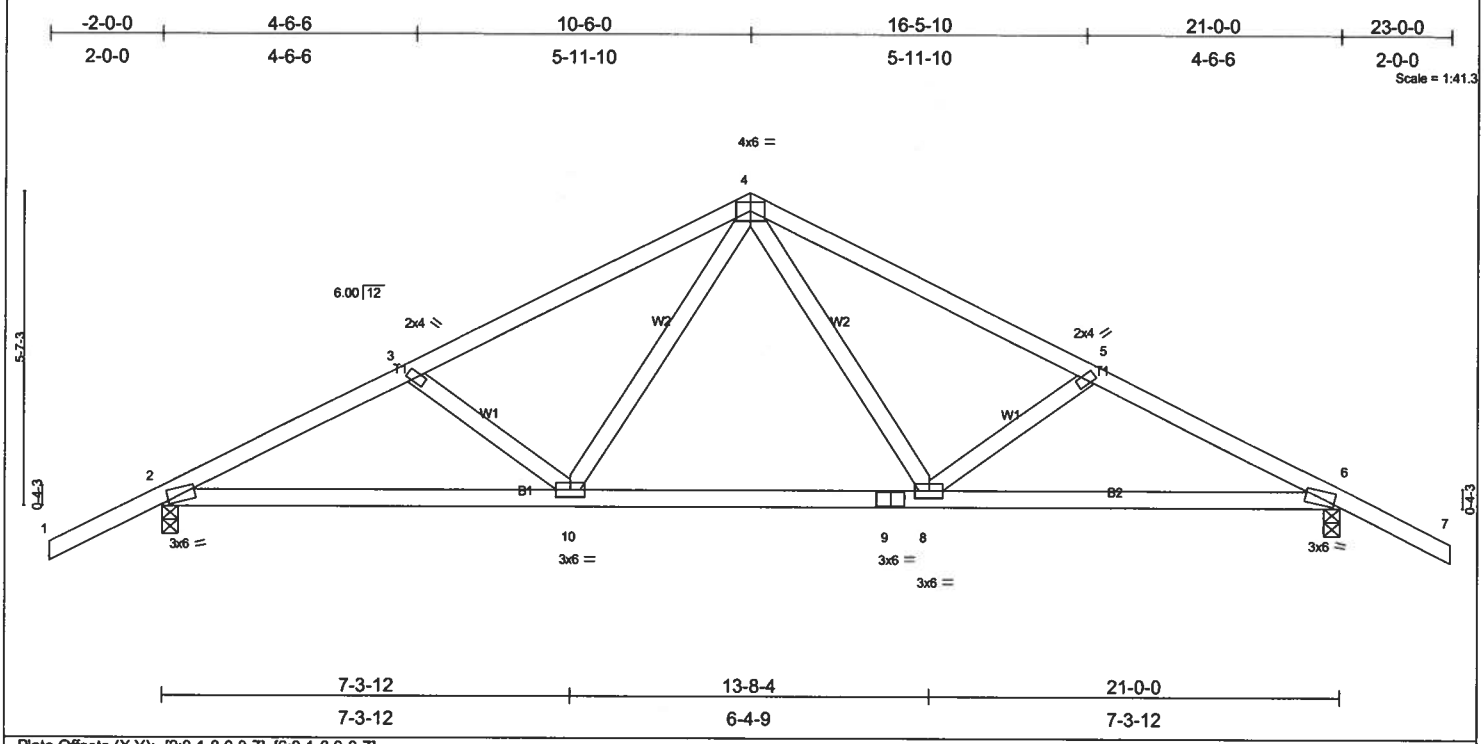


Plate Offsets (X,Y): [2:0-1-8,0-0-7], [6:0-1-8,0-0-7]

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)	-0.17	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.27	8-10	>919	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.20	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 101 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-7-5 oc bracing.

REACTIONS (lb/size) 2=1145/0-3-8, 6=1145/0-3-8
Max Horz 2=112(load case 5)
Max Uplift2=-469(load case 5), 6=-469(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1848/607, 3-4=-1641/534, 4-5=-1641/535, 5-6=-1848/607, 6-7=0/47
BOT CHORD 2-10=-523/1592, 9-10=-257/1091, 8-9=-257/1091, 6-8=-422/1592
WEBS 3-10=-261/222, 4-10=-175/628, 4-8=-176/628, 5-8=-261/222

JOINT STRESS INDEX
2 = 0.81, 3 = 0.34, 4 = 0.61, 5 = 0.34, 6 = 0.81, 8 = 0.49, 9 = 0.47 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 469 lb uplift at joint 2 and 469 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:
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

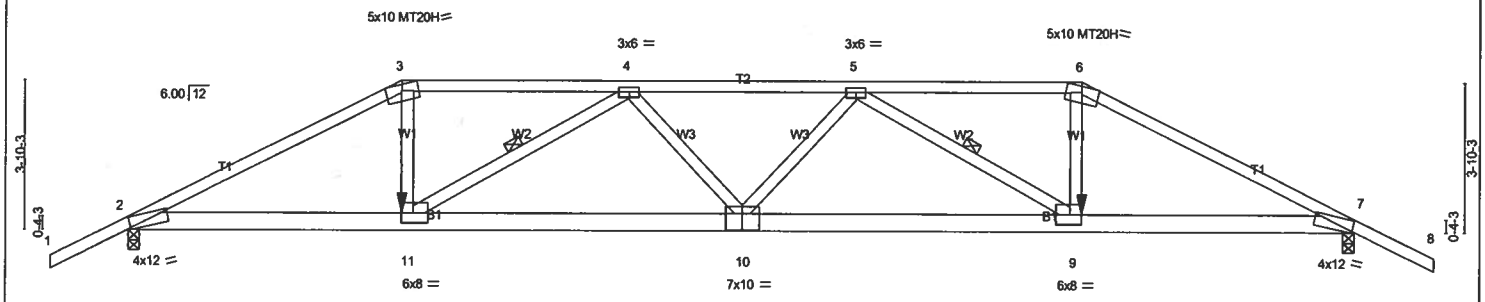
Dwg.#1129061398

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T04	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 10:45:06 2006 Page 1

-2-0-0	7-0-0	12-9-5	18-6-11	24-4-0	31-4-0	33-4-0
2-0-0	7-0-0	5-9-5	5-9-5	5-9-5	7-0-0	2-0-0

Scale = 1:59.2



7-0-0	15-8-0	24-4-0	31-4-0
7-0-0	8-8-0	8-8-0	7-0-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.82	Vert(LL)	-0.43	9-10	>863	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.85	Vert(TL)	-0.70	9-10	>536	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.62	Horz(TL)	0.17	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 170 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except* T2 2 X 4 SYP No.1D
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 2=2810/0-3-8, 7=2810/0-3-8
Max Horz 2=-89(load case 5)
Max Uplift2=-1201(load case 4), 7=-1201(load case 5)

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

JOINT STRESS INDEX
2 = 0.82, 3 = 0.91, 4 = 0.57, 5 = 0.57, 6 = 0.91, 7 = 0.82, 9 = 0.54, 10 = 0.98 and 11 = 0.54

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 plates are MT20 plates unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1201 lb uplift at joint 2 and 1201 lb uplift at joint 7.
7) Girder carries hip end with 7-0-0 end setback.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 24-4-0, 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.
9) 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

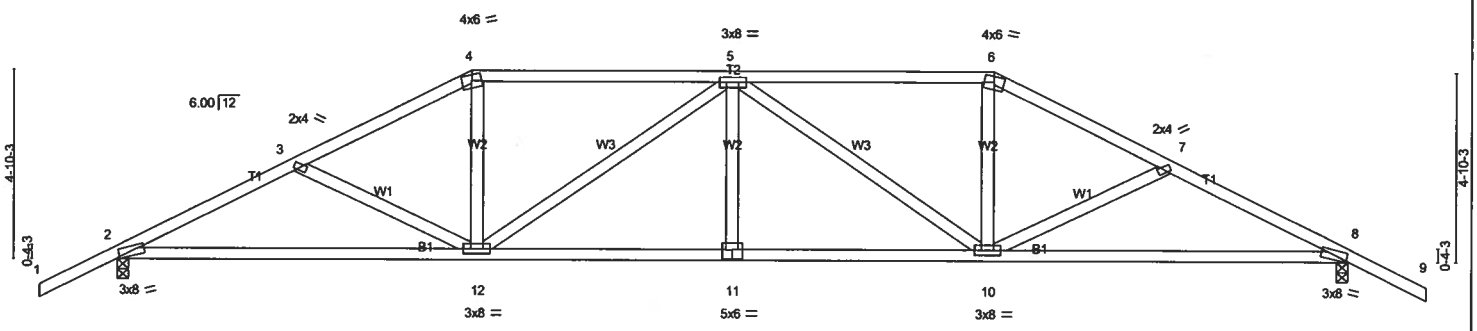
Dwg.#1129061399

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	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 10:45:07 2006 Page 1

-2-0-0	4-7-15	9-0-0	15-8-0	22-4-0	26-8-1	31-4-0	33-4-0
2-0-0	4-7-15	4-4-1	6-8-0	6-8-0	4-4-1	4-7-15	2-0-0

Scale = 1:59.2



9-0-0	15-8-0	22-4-0	31-4-0
9-0-0	6-8-0	6-8-0	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	0.31	Vert(LL)	-0.21	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.35	8-10	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.61	Horz(TL)	0.11	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 160 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-1-10 oc bracing.

REACTIONS (lb/size) 2=1420/0-3-8, 8=1420/0-3-8
Max Horz 2=101(load case 5)
Max Uplift2=-500(load case 5), 8=-500(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2344/652, 3-4=-2118/586, 4-5=-1872/567, 5-6=-1872/567, 6-7=-2118/586, 7-8=-2344/653, 8-9=0/47
BOT CHORD 2-12=-546/2044, 11-12=-596/2252, 10-11=-596/2252, 8-10=-479/2044
WEBS 3-12=-219/192, 4-12=-85/615, 5-12=-556/252, 5-11=0/159, 5-10=-556/252, 6-10=-85/615, 7-10=-219/192

JOINT STRESS INDEX
2 = 0.85, 3 = 0.34, 4 = 0.73, 5 = 0.57, 6 = 0.73, 7 = 0.34, 8 = 0.85, 10 = 0.57, 11 = 0.54 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 500 lb uplift at joint 2 and 500 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

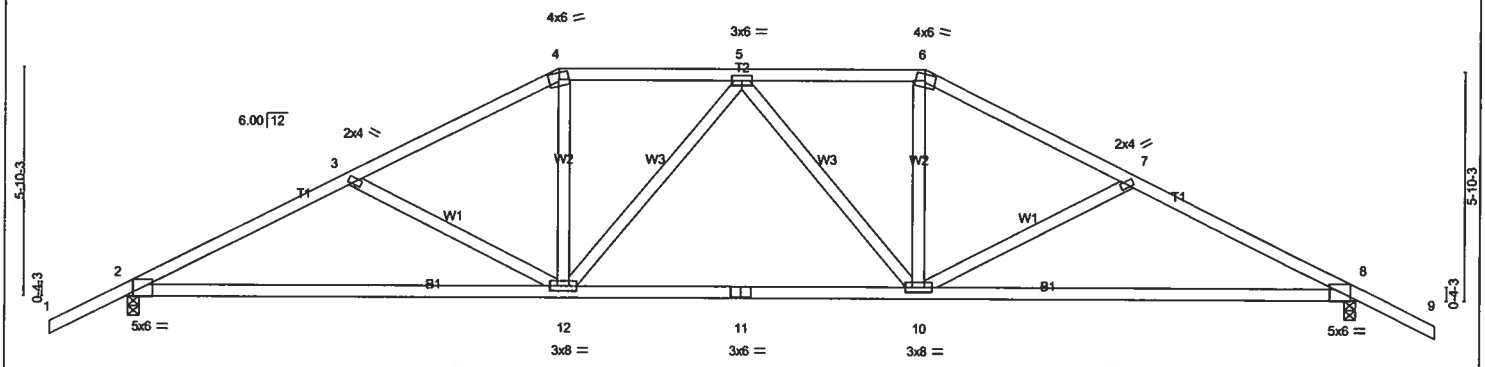
Dwg.#1129061400

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T06	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 10:45:09 2006 Page 1

-2-0-0	5-9-15	11-0-0	15-8-0	20-4-0	25-6-1	31-4-0	33-4-0
2-0-0	5-9-15	5-2-2	4-8-0	4-8-0	5-2-2	5-9-15	2-0-0

Scale = 1:59.2



11-0-0	20-4-0	31-4-0
11-0-0	9-4-0	11-0-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.37	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.63	8-10	>587	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.10	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 158 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-2-15 oc bracing.

REACTIONS (lb/size) 2=1420/0-3-8, 8=1420/0-3-8
Max Horz 2=-115(load case 6)
Max Uplift2=-517(load case 5), 8=-517(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2287/684, 3-4=-1965/549, 4-5=-1710/544, 5-6=-1710/544, 6-7=-1965/549, 7-8=-2287/684, 8-9=0/47
BOT CHORD 2-12=-577/1998, 11-12=-376/1805, 10-11=-376/1805, 8-10=-463/1998
WEBS 3-12=-348/268, 4-12=-95/583, 5-12=-265/166, 5-10=-265/166, 6-10=-95/583, 7-10=-348/269

JOINT STRESS INDEX
2 = 0.77, 3 = 0.34, 4 = 0.55, 5 = 0.40, 6 = 0.55, 7 = 0.34, 8 = 0.77, 10 = 0.57, 11 = 0.69 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 517 lb uplift at joint 2 and 517 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

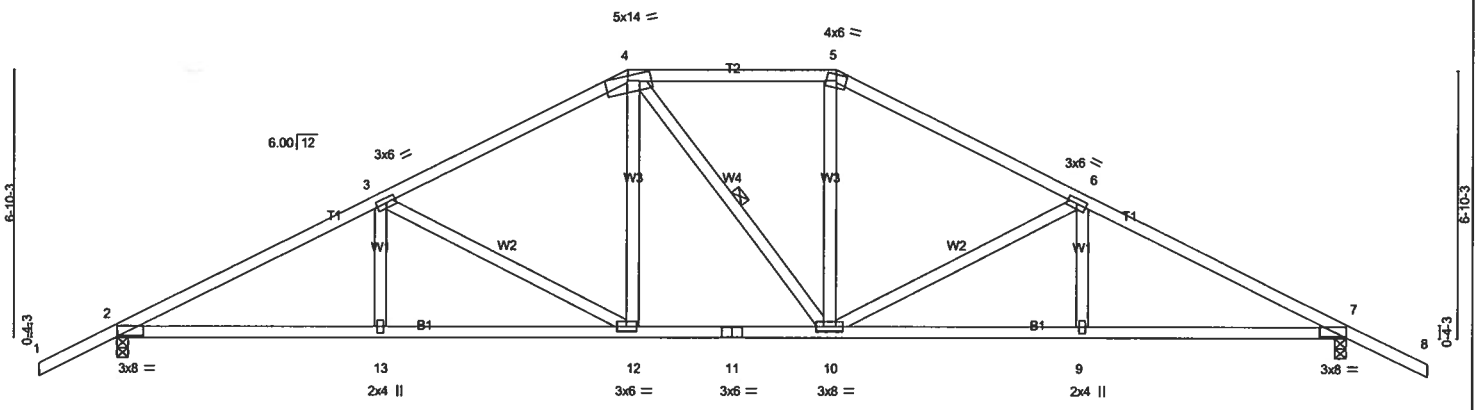
Dwg #1129061401

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T07	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 10:45:10 2006 Page 1

-2-0-0	6-8-6	13-0-0	18-4-0	24-7-10	31-4-0	33-4-0
2-0-0	6-8-6	6-3-11	5-4-0	6-3-11	6-8-6	2-0-0

Scale = 1:59.2



6-8-6	13-0-0	18-4-0	24-7-10	31-4-0
6-8-6	6-3-11	5-4-0	6-3-11	6-8-6

Plate Offsets (X,Y): [2:0-8-0,0-0-6], [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	0.30	Vert(LL)	-0.16	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.25	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.10	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 165 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-3-9 oc bracing.
WEBS 1 Row at midpt 4-10

REACTIONS (lb/size) 2=1420/0-3-8, 7=1420/0-3-8
Max Horz 2=-129(load case 6)
Max Uplift2=-532(load case 5), 7=-532(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2375/678, 3-4=-1765/546, 4-5=-1517/547, 5-6=-1766/546, 6-7=-2375/679, 7-8=0/47
BOT CHORD 2-13=-580/2043, 12-13=-580/2043, 11-12=-314/1516, 10-11=-314/1516, 9-10=-452/2043, 7-9=-452/2043
WEBS 3-13=0/216, 3-12=-607/304, 4-12=-110/448, 4-10=-151/154, 5-10=-106/448, 6-10=-606/305, 6-9=0/216

JOINT STRESS INDEX
2 = 0.75, 3 = 0.41, 4 = 0.78, 5 = 0.70, 6 = 0.41, 7 = 0.75, 9 = 0.34, 10 = 0.58, 11 = 0.53, 12 = 0.35 and 13 = 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 532 lb uplift at joint 2 and 532 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

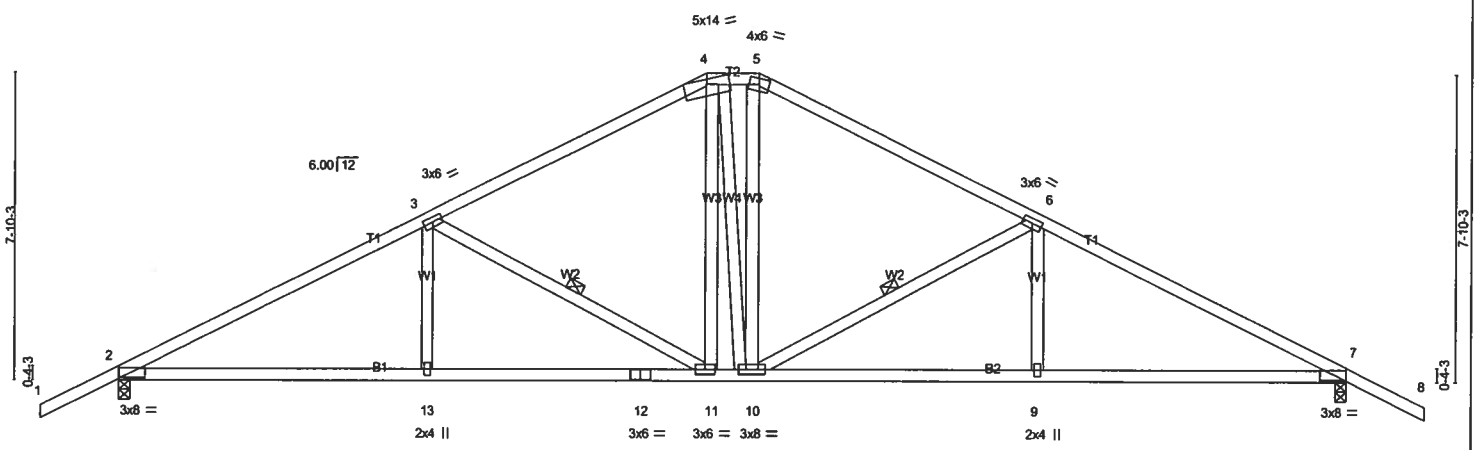
Dwg.#1129061402

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T08	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 10:45:10 2006 Page 1

-2-0-0	7-10-9	15-0-0	16-4-0	23-5-7	31-4-0	33-4-0
2-0-0	7-10-9	7-1-8	1-4-0	7-1-8	7-10-9	2-0-0

Scale = 1:59.2



7-10-9	15-0-0	16-4-0	23-5-7	31-4-0
7-10-9	7-1-8	1-4-0	7-1-8	7-10-9

Plate Offsets (X,Y): [2:0-8-0,0-0-6], [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	0.46	Vert(LL)	-0.18	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.29	7-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.25	Horz(TL)	0.10	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 173 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-1-7 oc bracing.
WEBS 1 Row at midpt 3-11, 6-10

REACTIONS (lb/size) 2=1420/0-3-8, 7=1420/0-3-8
Max Horz 2=-144(load case 6)
Max Uplift2=-544(load case 5), 7=-554(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2320/688, 3-4=-1597/556, 4-5=-1358/558, 5-6=-1602/549, 6-7=-2318/708, 7-8=0/47
BOT CHORD 2-13=-590/1987, 12-13=-590/1987, 11-12=-590/1987, 10-11=-273/1352, 9-10=-464/1985, 7-9=-464/1985
WEBS 3-13=0/263, 3-11=-740/365, 4-11=-141/445, 5-10=-181/522, 6-10=-731/362, 6-9=0/259, 4-10=-189/253

JOINT STRESS INDEX
2 = 0.74, 3 = 0.41, 4 = 0.77, 5 = 0.78, 6 = 0.41, 7 = 0.74, 9 = 0.34, 10 = 0.58, 11 = 0.35, 12 = 0.75 and 13 = 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 544 lb uplift at joint 2 and 554 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.#1129061403

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T09	ROOF TRUSS	3	1	Job Reference (optional)

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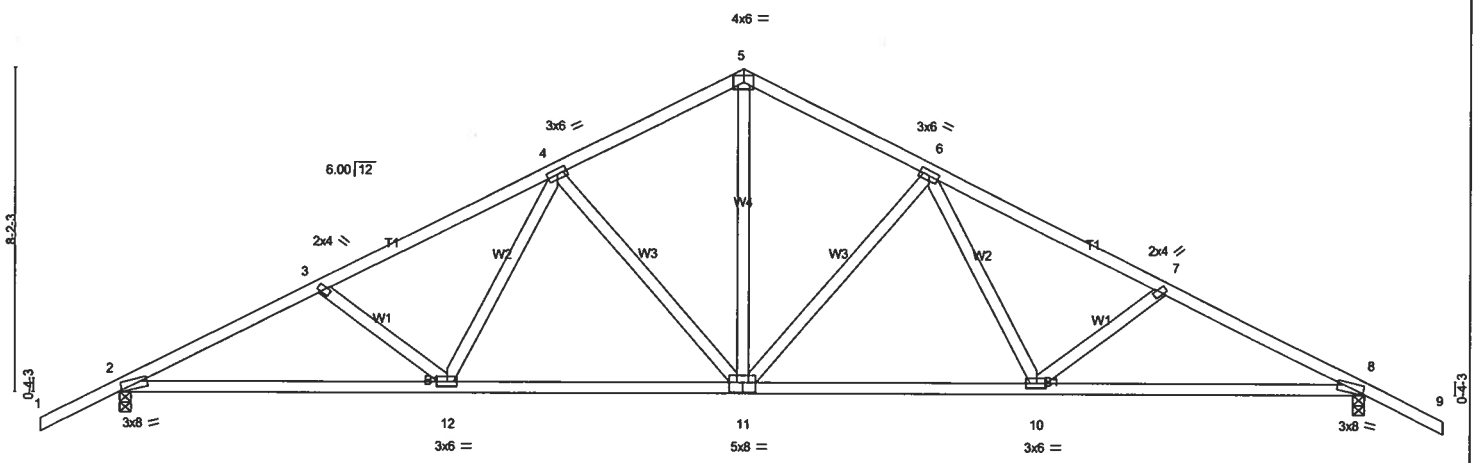
-2-0-0	5-1-10	10-11-14	15-8-0	20-4-2	26-2-6	31-4-0	33-4-0
2-0-0	5-1-10	5-10-4	4-8-2	4-8-2	5-10-4	5-1-10	2-0-0

Scale = 1:58.4



8-2-10	15-8-0	23-1-6	31-4-0
8-2-10	7-5-6	7-5-6	8-2-10

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.17	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.28	11-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.52	Horz(TL)	0.09	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 167 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-8 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-6-15 oc bracing.

REACTIONS (lb/size) 2=1420/0-3-8, 8=1420/0-3-8
Max Horz 2=-148(load case 6)
Max Uplift2=-548(load case 5), 8=-548(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2372/756, 3-4=-2150/680, 4-5=-1511/554, 5-6=-1511/554, 6-7=-2150/680, 7-8=-2372/757, 8-9=0/47
BOT CHORD 2-12=-685/2069, 11-12=-454/1654, 10-11=-370/1654, 8-10=-538/2069
WEBS 3-12=-275/237, 4-12=-100/461, 4-11=-564/322, 5-11=-355/1062, 6-11=-564/322, 6-10=-101/461, 7-10=-275/238

JOINT STRESS INDEX
2 = 0.80, 3 = 0.34, 4 = 0.42, 5 = 0.51, 6 = 0.42, 7 = 0.34, 8 = 0.80, 10 = 0.46, 11 = 0.47 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) 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 548 lb uplift at joint 2 and 548 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.#1129061404

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T10	ROOF TRUSS	4	1	Job Reference (optional)

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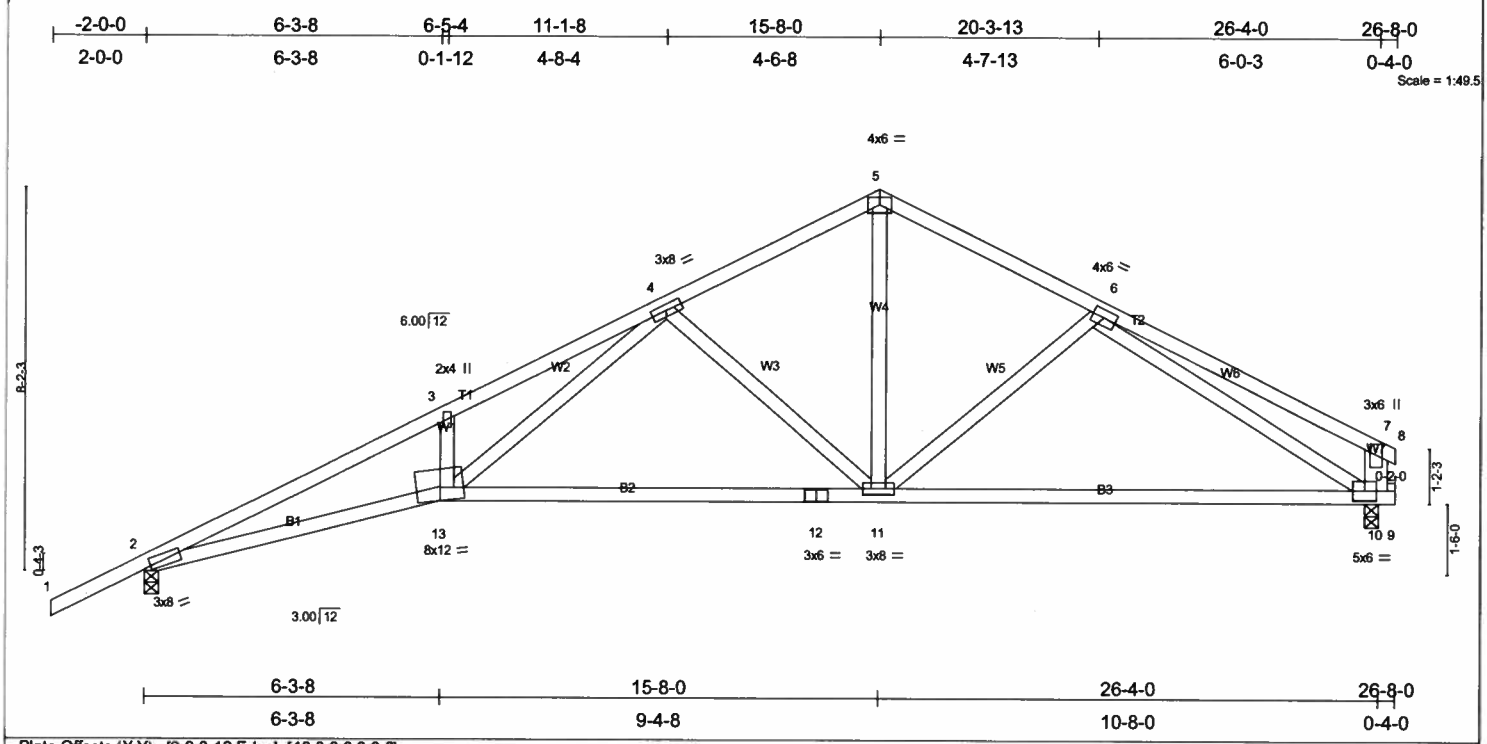


Plate Offsets (X,Y): [2:0-3-12,Edge], [13:0-6-0,0-3-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.36	11-13	>870	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.74	Vert(TL)	-0.59	11-13	>531	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.84	Horz(TL)	0.19	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 138 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*
W7 2 X 6 SYP No.1D

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-11-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-9-8 oc bracing.

REACTIONS (lb/size) 2=1218/0-3-8, 10=1126/0-3-8
Max Horz 2=249(load case 5)
Max Uplift2=-490(load case 5), 10=-356(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-3584/1171, 3-4=-3542/1320, 4-5=-1324/470, 5-6=-1327/484, 6-7=-568/196, 7-8=0/10, 7-10=-413/220
BOT CHORD 2-13=-1172/3224, 12-13=-591/1676, 11-12=-591/1676, 10-11=-364/1231, 9-10=0/0
WEBS 3-13=-225/249, 4-13=-740/1894, 4-11=-730/408, 5-11=-278/885, 6-11=-185/214, 6-10=-959/383

JOINT STRESS INDEX
2 = 0.82, 3 = 0.34, 4 = 0.97, 5 = 0.43, 6 = 0.29, 7 = 0.63, 10 = 0.67, 11 = 0.57, 12 = 0.74 and 13 = 0.83

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 490 lb uplift at joint 2 and 356 lb uplift at joint 10.

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

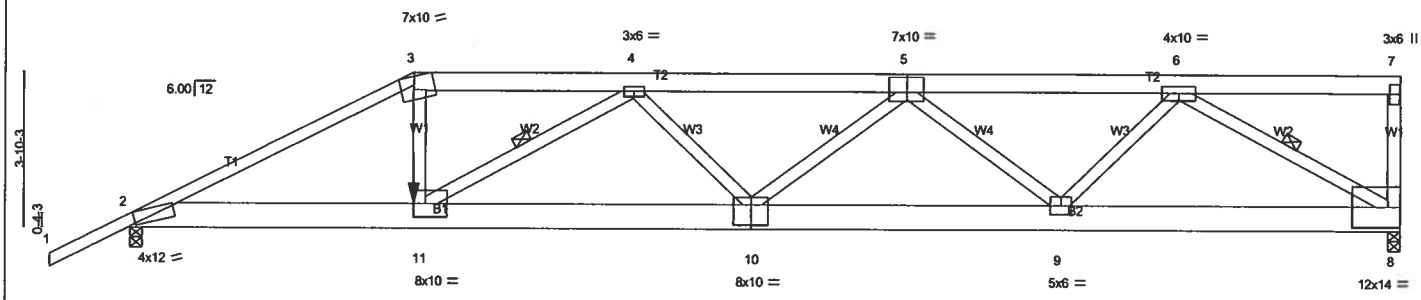
Dwg.#1129061405

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	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 10:45:13 2006 Page 1

-2-0-0	3-5-6	7-0-0	12-5-3	19-2-0	25-10-13	31-4-0
2-0-0	3-5-6	3-6-10	5-5-3	6-8-13	6-8-13	5-5-3

Scale = 1:57.3



7-0-0	15-4-2	22-11-14	31-4-0
7-0-0	8-4-2	7-7-11	8-4-2

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.74	Vert(LL)	-0.32	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.51	10-11	>726	180		
BCLL	10.0	Rep Stress Incr	NO	WB	1.00	Horz(TL)	0.11	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 220 lb	

LUMBER
TOP CHORD 2 X 6 SYP No.1D *Except*
T1 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-3-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-10-5 oc bracing.
WEBS 1 Row at midpt 4-11, 6-8

REACTIONS (lb/size) 8=2880/0-3-8, 2=2769/0-3-8
Max Horz 2=223(load case 4)
Max Uplift8=-1300(load case 5), 2=-1174(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-5492/2346, 3-4=-4948/2181, 4-5=-6793/2969, 5-6=-5224/2251, 6-7=-111/42, 7-8=-290/216
BOT CHORD 2-11=-2148/4863, 10-11=-3033/6554, 9-10=-2995/6487, 8-9=-1807/3809
WEBS 3-11=-726/1960, 4-11=-2003/1021, 4-10=0/390, 5-10=0/445, 5-9=-1673/985, 6-9=-673/2143, 6-8=-4365/2084

JOINT STRESS INDEX
2 = 0.83, 3 = 0.99, 4 = 0.58, 5 = 0.51, 6 = 0.99, 7 = 0.53, 8 = 0.72, 9 = 0.78, 10 = 0.86 and 11 = 0.41

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 1300 lb uplift at joint 8 and 1174 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), 2-11=-30, 8-11=-65(F=-35)
Concentrated Loads (lb)
Vert: 11=-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

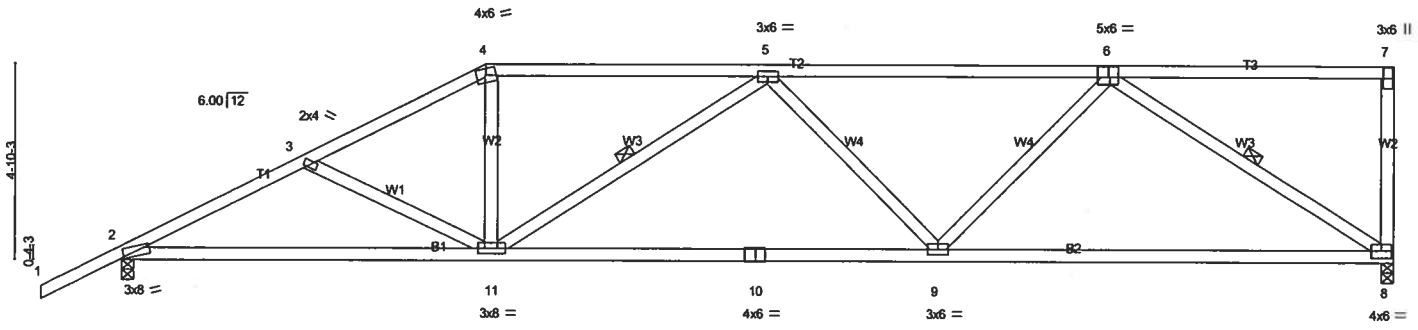
Dwg.#1129061406

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	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 10:45:14 2006 Page 1

-2-0-0	4-7-15	9-0-0	15-11-9	24-4-7	31-4-0
2-0-0	4-7-15	4-4-1	6-11-9	8-4-14	6-11-9

Scale = 1:57.3



9-0-0	20-2-1	31-4-0
9-0-0	11-2-1	11-1-15

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

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

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

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

REACTIONS (lb/size) 8=1300/0-3-8, 2=1424/0-3-8
Max Horz 2=272(load case 5)
Max Uplift8=-478(load case 4), 2=-491(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2366/695, 3-4=-2146/662, 4-5=-1897/628, 5-6=-2052/688, 6-7=-84/8, 7-8=-166/107
BOT CHORD 2-11=-699/2061, 10-11=-838/2240, 9-10=-838/2240, 8-9=-605/1546
WEBS 3-11=-205/194, 4-11=-116/631, 5-11=-413/301, 5-9=-278/221, 6-9=-122/747, 6-8=-1758/718

JOINT STRESS INDEX
2 = 0.80, 3 = 0.34, 4 = 0.71, 5 = 0.37, 6 = 0.67, 7 = 0.45, 8 = 0.74, 9 = 0.48, 10 = 0.90 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 478 lb uplift at joint 8 and 491 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 #1129061407

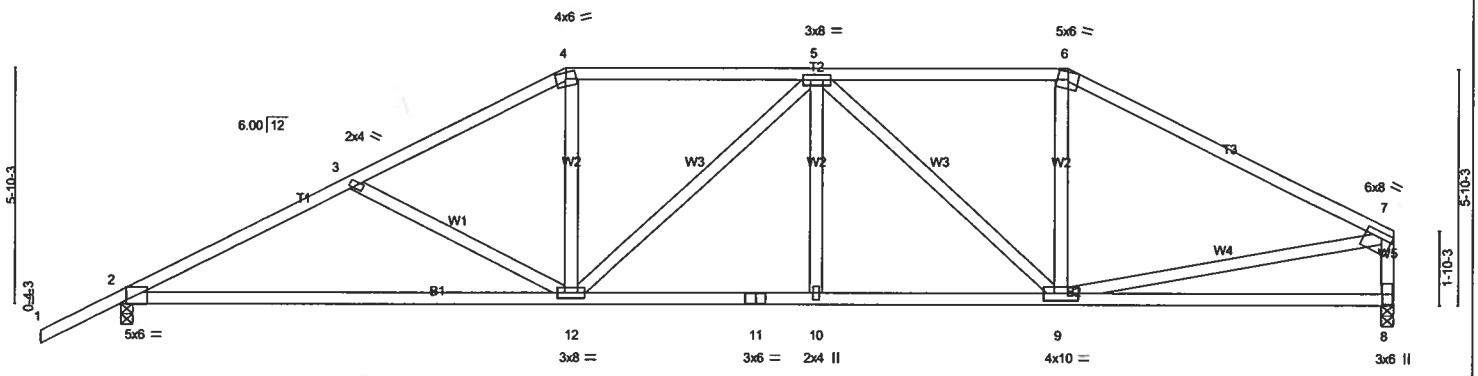
Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T13	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 29 10:45:15 2006 Page 1

-2-0-0 | 5-9-15 | 11-0-0 | 17-2-0 | 23-4-0 | 28-6-1 | 31-4-0

2-0-0 | 5-9-15 | 5-2-2 | 6-2-0 | 6-2-0 | 5-2-1 | 2-9-15

Scale = 1:57.3



11-0-0 | 17-2-0 | 23-4-0 | 31-4-0

11-0-0 | 6-2-0 | 6-2-0 | 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)	-0.37	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.63	2-12	>592	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(TL)	0.08	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 169 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W5 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-9-2 oc bracing.

REACTIONS (lb/size) 2=1424/0-3-8, 8=1300/0-3-8
Max Horz 2=192(load case 5)
Max Uplift2=-518(load case 5), 8=-364(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2292/683, 3-4=-1978/565, 4-5=-1724/551, 5-6=-1451/501, 6-7=-1710/496, 7-8=-1173/384
BOT CHORD 2-12=-653/2002, 11-12=-516/1827, 10-11=-516/1827, 9-10=-516/1827, 8-9=-148/285
WEBS 3-12=-336/264, 4-12=-68/548, 5-12=-263/174, 5-10=0/126, 5-9=-607/241, 6-9=-48/413, 7-9=-340/1180

JOINT STRESS INDEX
2 = 0.76, 3 = 0.34, 4 = 0.68, 5 = 0.57, 6 = 0.69, 7 = 0.87, 8 = 0.61, 9 = 0.52, 10 = 0.34, 11 = 0.63 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 518 lb uplift at joint 2 and 364 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

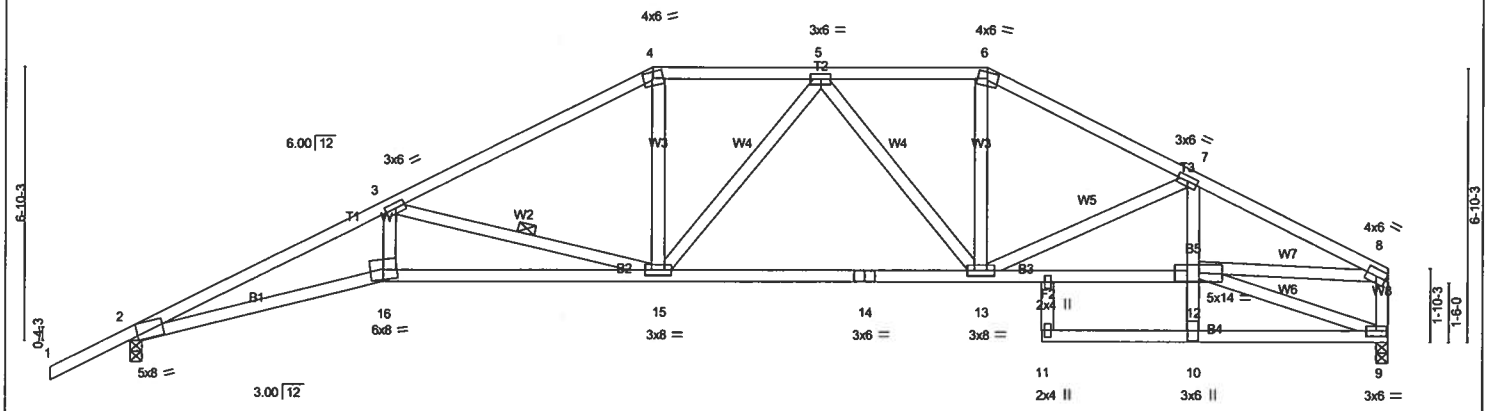
Dwg #1129061408

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T14	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 10:45:16 2006 Page 1

-2-0-0	6-5-4	13-0-0	17-2-0	21-4-0	26-4-0	31-4-0
2-0-0	6-5-4	6-6-12	4-2-0	4-2-0	5-0-0	5-0-0

Scale = 1:57.8



6-3-8	13-0-0	21-4-0	22-8-8	26-4-0	31-4-0
6-3-8	6-8-8	8-4-0	1-4-8	3-7-8	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	0.55	Vert(LL)	-0.47	11	>790	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-0.78	11	>479	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.80	Horz(TL)	0.38	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 *Except*
W8 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-6-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 3-15
JOINTS 1 Brace at Jt(s): 12

REACTIONS (lb/size) 2=1448/0-3-8, 9=1389/0-3-8
Max Horz 2=205(load case 5)
Max Uplift2=-527(load case 5), 9=-364(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4501/1311, 3-4=-2363/659, 4-5=-2065/656, 5-6=-1891/555, 6-7=-2152/575, 7-8=-2972/694, 8-9=-1379/378
BOT CHORD 2-16=-1260/4058, 15-16=-1199/3825, 14-15=-448/2039, 13-14=-448/2039, 12-13=-575/2641, 10-12=0/197, 7-12=0/479, 10-11=0/0, 9-10=-35/0
WEBS 3-16=-254/1153, 3-15=-1841/728, 4-15=-99/684, 5-15=-133/123, 5-13=-340/185, 6-13=-111/650, 7-13=-844/282, 8-12=-508/2486, 9-12=-23/145

JOINT STRESS INDEX
2 = 0.87, 3 = 0.86, 4 = 0.85, 5 = 0.40, 6 = 0.64, 7 = 0.64, 8 = 0.86, 9 = 0.58, 10 = 0.40, 11 = 0.34, 12 = 0.76, 13 = 0.57, 14 = 0.84, 15 = 0.84, 16 = 0.98 and 17 = 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 527 lb uplift at joint 2 and 364 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.#1129061409

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T15	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 10:45:18 2006 Page 1

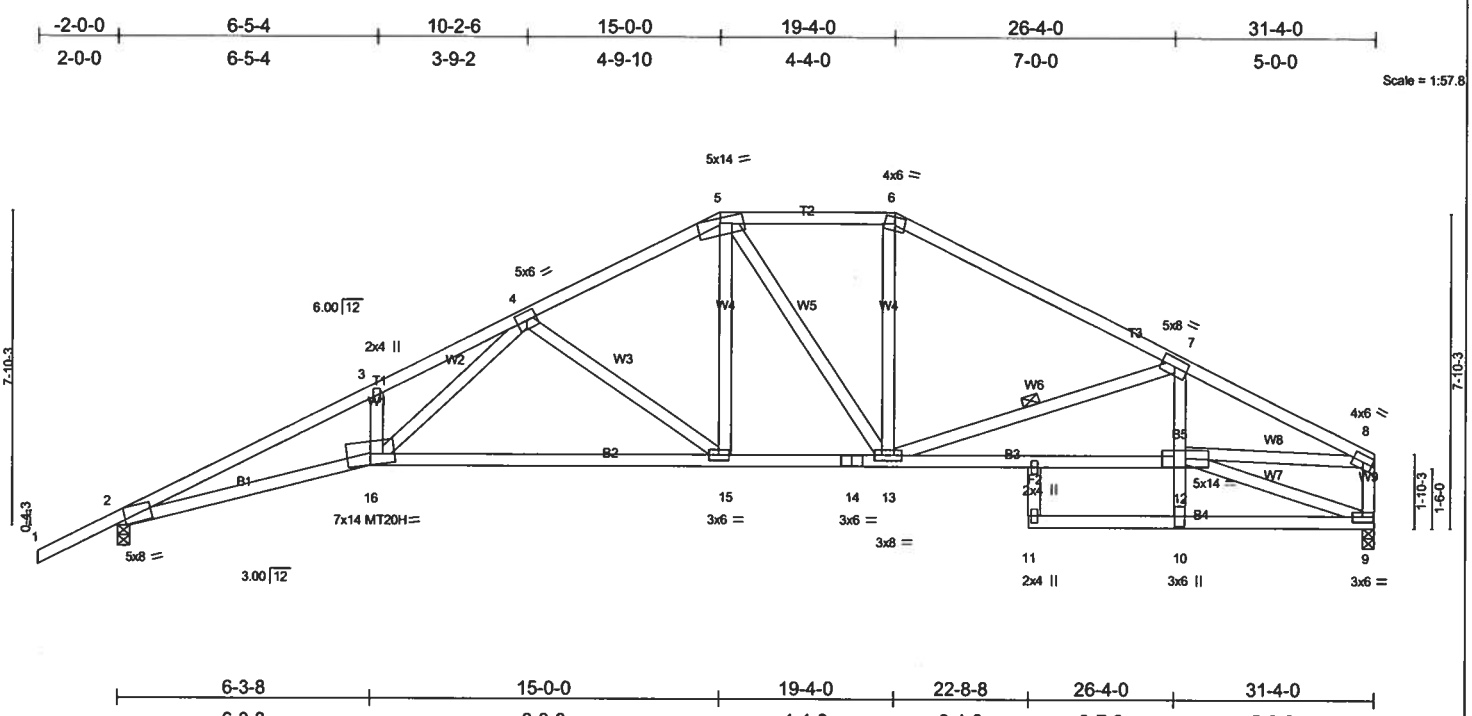


Plate Offsets (X,Y): [2:0-2-7,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.74	Vert(LL)	-0.49	11	>768	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-0.80	11	>466	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.81	Horz(TL)	0.37	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 187 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B5 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except*
W9 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-6-3 oc bracing.
WEBS 1 Row at midpt 7-13
JOINTS 1 Brace at Jt(s): 12

REACTIONS (lb/size) 2=1448/0-3-8, 9=1389/0-3-8
Max Horz 2=219(load case 5)
Max Uplift2=-539(load case 5), 9=-379(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4512/1331, 3-4=-4436/1460, 4-5=-2009/615, 5-6=-1698/554, 6-7=-1972/559, 7-8=-3001/727, 8-9=-1384/384
BOT CHORD 2-16=-1286/4069, 15-16=-757/2463, 14-15=-410/1759, 13-14=-410/1759, 12-13=-642/2743, 10-12=0/195, 7-12=0/515, 10-11=0/0, 9-10=-70/0
WEBS 3-16=-168/216, 4-16=-691/2010, 4-15=-896/437, 5-15=-222/749, 5-13=-257/96, 6-13=-103/522, 7-13=-1110/381, 8-12=-551/2522, 9-12=0/165

JOINT STRESS INDEX
2 = 0.87, 3 = 0.34, 4 = 0.79, 5 = 0.47, 6 = 0.85, 7 = 0.64, 8 = 0.87, 9 = 0.58, 10 = 0.42, 11 = 0.34, 12 = 0.91, 13 = 0.59, 14 = 0.71, 15 = 0.49, 16 = 0.64 and 17 = 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 plates are MT20 plates unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 539 lb uplift at joint 2 and 379 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

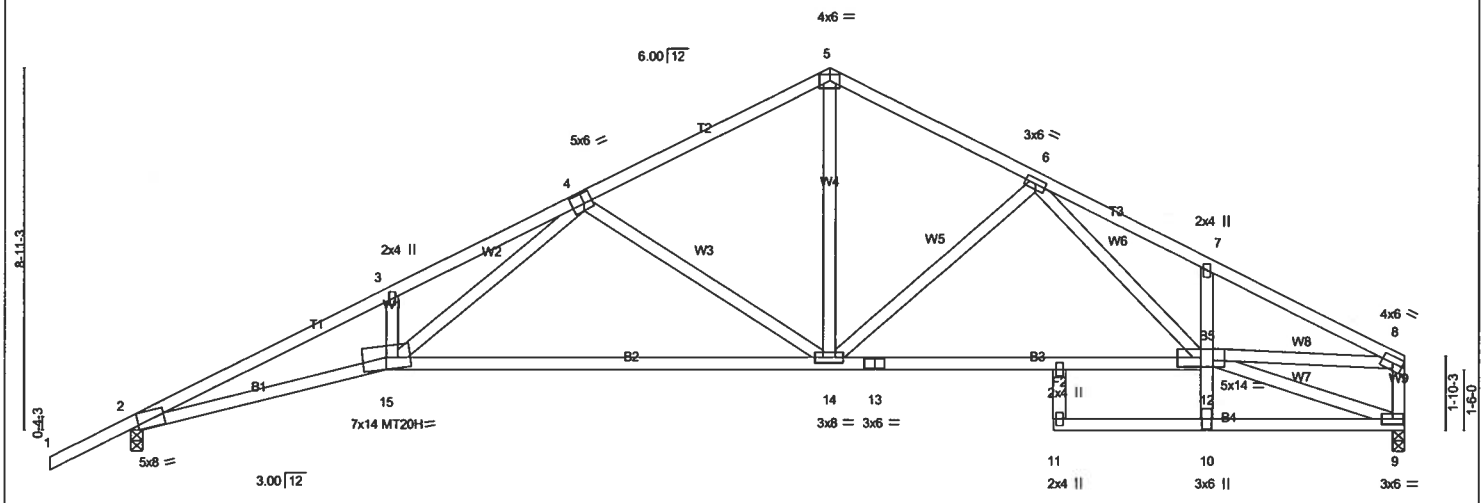
Dwg.#1129061410

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T16	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 10:45:19 2006 Page 1

-2-0-0	6-3-8	6-5-4	11-1-8	17-2-0	22-2-14	26-4-0	31-4-0
2-0-0	6-3-8	0-1-12	4-8-4	6-0-8	5-0-14	4-1-2	5-0-0

Scale = 1:57.0



6-3-8	17-2-0	22-8-8	26-4-0	31-4-0
6-3-8	10-10-8	5-6-8	3-7-8	5-0-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.73	Vert(LL)	-0.61	14-15	>613	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.98	Vert(TL)	-1.01	14-15	>370	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	YES	WB	0.88	Horz(TL)	0.35	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 181 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B5 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except*
W9 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 2=1448/0-3-8, 9=1389/0-3-8
Max Horz 2=234(load case 5)
Max Uplift2=-550(load case 5), 9=-392(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4549/1384, 3-4=-4479/1522, 4-5=-1776/565, 5-6=-1758/588, 6-7=-2762/789, 7-8=-2734/689, 8-9=-1394/405
BOT CHORD 2-15=-1349/4105, 14-15=-750/2298, 13-14=-454/1913, 12-13=-454/1913, 10-12=0/194, 7-12=-233/208, 10-11=0/0, 9-10=-112/0
WEBS 3-15=-177/228, 4-15=-757/2193, 4-14=-931/493, 5-14=-317/1205, 6-14=-552/289, 6-12=-178/765, 8-12=-498/2268, 9-12=-17/236

JOINT STRESS INDEX
2 = 0.88, 3 = 0.34, 4 = 0.83, 5 = 0.58, 6 = 0.50, 7 = 0.34, 8 = 0.80, 9 = 0.60, 10 = 0.47, 11 = 0.34, 12 = 0.53, 13 = 0.96, 14 = 0.60, 15 = 0.70 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 550 lb uplift at joint 2 and 392 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

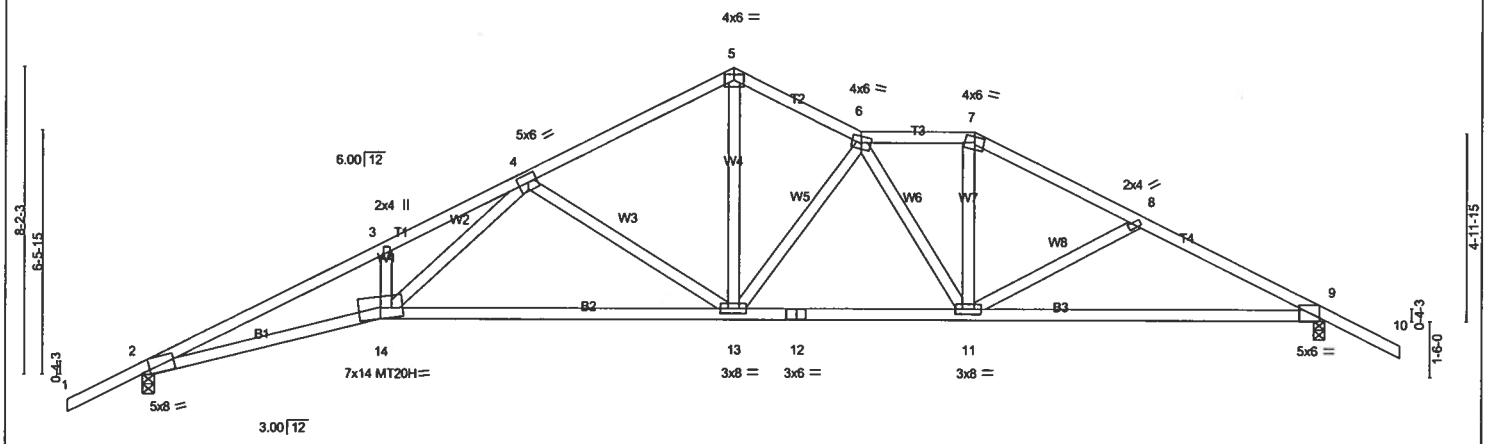
Dwg.#1129061411

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T17	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 10:45:20 2006 Page 1

-2-0-0	6-3-8	6-5-4	10-2-7	15-8-0	19-0-8	22-0-8	26-3-9	31-4-0	33-4-0
2-0-0	6-3-8	0-1-12	3-9-3	5-5-9	3-4-8	3-0-0	4-3-1	5-0-7	2-0-0

Scale = 1:61.6



6-3-8	15-8-0	22-0-8	31-4-0
6-3-8	9-4-8	6-4-8	9-3-8

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

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

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-6-9 oc bracing.

REACTIONS (lb/size) 2=1420/0-3-8, 9=1420/0-3-8
Max Horz 2=196(load case 5)
Max Uplift2=-548(load case 5), 9=-546(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4411/1338, 3-4=-4334/1464, 4-5=-1873/610, 5-6=-1820/630, 6-7=-1828/629, 7-8=-2077/649, 8-9=-2330/748, 9-10=0/47
BOT CHORD 2-14=-1267/3977, 13-14=-750/2384, 12-13=-487/2028, 11-12=-487/2028, 9-11=-526/2034
WEBS 3-14=-169/212, 4-14=-676/1994, 4-13=-920/455, 5-13=-372/1325, 6-13=-703/320, 6-11=-386/168, 7-11=-158/681, 8-11=-271/204

JOINT STRESS INDEX
2 = 0.85, 3 = 0.34, 4 = 0.78, 5 = 0.64, 6 = 0.44, 7 = 0.46, 8 = 0.34, 9 = 0.67, 11 = 0.59, 12 = 0.79, 13 = 0.66 and 14 = 0.65

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 plates are MT20 plates unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 548 lb uplift at joint 2 and 546 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

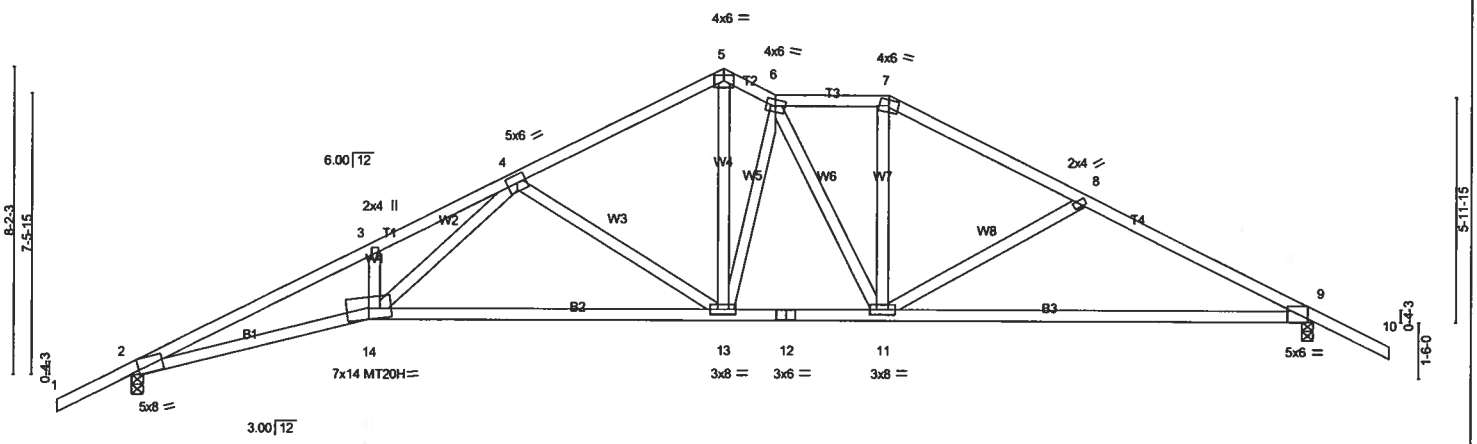
Dwg.#1129061412

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T18	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 10:45:21 2006 Page 1

-2-0-0	6-3-8	6-5-4	10-2-7	15-8-0	17-0-8	20-0-8	25-1-7	31-4-0	33-4-0
2-0-0	6-3-8	0-1-12	3-9-3	5-5-9	1-4-8	3-0-0	5-0-15	6-2-9	2-0-0

Scale = 1:61.6



6-3-8	15-8-0	20-0-8	31-4-0
6-3-8	9-4-8	4-4-8	11-3-8

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

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

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.

REACTIONS (lb/size) 2=1420/0-3-8, 9=1420/0-3-8
Max Horz 2=196(load case 5)
Max Uplift2=-548(load case 5), 9=-546(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4416/1337, 3-4=-4340/1464, 4-5=-1870/612, 5-6=-1745/611, 6-7=-1681/597, 7-8=-1936/609, 8-9=-2263/739, 9-10=0/47
BOT CHORD 2-14=-1267/3982, 13-14=-749/2380, 12-13=-399/1751, 11-12=-399/1751, 9-11=-506/1975
WEBS 3-14=-172/214, 4-14=-677/2006, 4-13=-915/450, 5-13=-353/1241, 6-13=-620/239, 6-11=-227/105, 7-11=-128/575, 8-11=-365/271

JOINT STRESS INDEX
2 = 0.85, 3 = 0.34, 4 = 0.79, 5 = 0.60, 6 = 0.47, 7 = 0.51, 8 = 0.34, 9 = 0.78, 11 = 0.62, 12 = 0.86, 13 = 0.69 and 14 = 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) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 548 lb uplift at joint 2 and 546 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

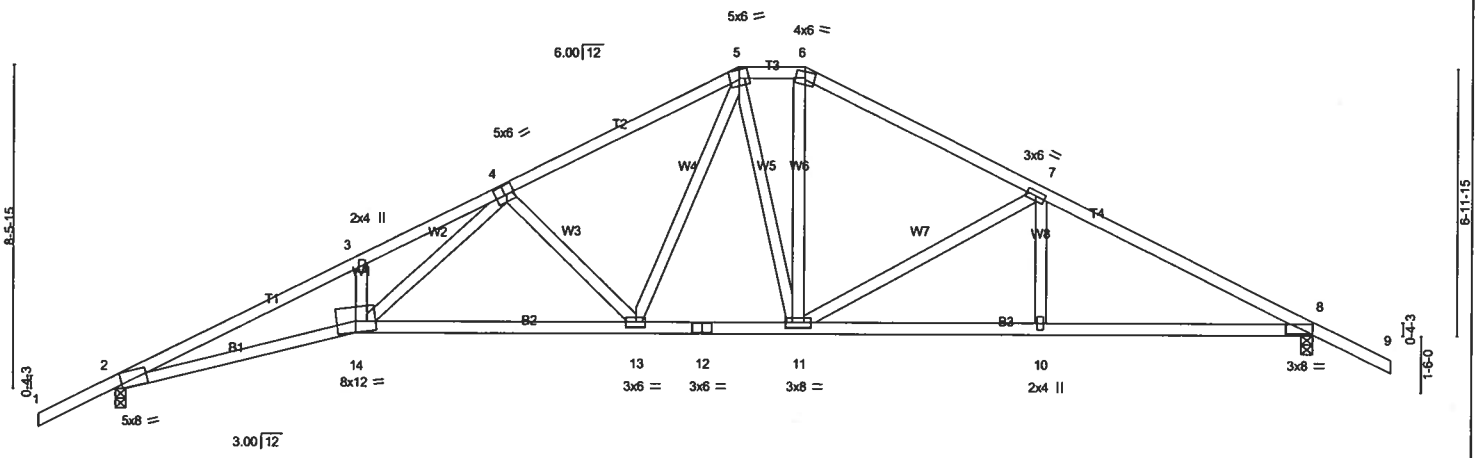
Dwg.#1129061413

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T19	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 10:45:22 2006 Page 1

-2-0-0	6-3-8	6-5-4	10-2-7	16-3-8	18-0-8	24-2-14	31-4-0	33-4-0
2-0-0	6-3-8	0-1-12	3-9-3	6-1-1	1-9-0	6-2-6	7-1-2	2-0-0

Scale = 1:60.8



6-3-8	13-7-5	18-0-8	24-2-14	31-4-0
6-3-8	7-3-13	4-5-3	6-2-6	7-1-2

Plate Offsets (X,Y): [2:0-2-7,Edge], [4:0-3-0,0-3-0], [8:0-8-0,0-0-6], [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	0.72	Vert(LL)	-0.40	13-14	>940	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.89	Vert(TL)	-0.64	13-14	>580	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.61	Horz(TL)	0.26	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 167 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-6-5 oc bracing.

REACTIONS (lb/size) 2=1420/0-3-8, 8=1420/0-3-8
Max Horz 2=200(load case 5)
Max Uplift2=-551(load case 5), 8=-527(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4363/1358, 3-4=-4283/1479, 4-5=-2128/726, 5-6=-1487/560, 6-7=-1732/582, 7-8=-2354/661, 8-9=0/47
BOT CHORD 2-14=-1291/3931, 13-14=-770/2410, 12-13=-355/1512, 11-12=-355/1512, 10-11=-483/2022, 8-10=-483/2022
WEBS 3-14=-161/201, 4-14=-678/1902, 4-13=-840/438, 5-13=-312/870, 5-11=-273/145, 6-11=-205/565, 7-11=-633/310, 7-10=0/229

JOINT STRESS INDEX
2 = 0.84, 3 = 0.34, 4 = 0.72, 5 = 0.46, 6 = 0.56, 7 = 0.41, 8 = 0.75, 10 = 0.34, 11 = 0.69, 12 = 0.55, 13 = 0.77 and 14 = 0.91

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 551 lb uplift at joint 2 and 527 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 #1129061414

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T20	ROOF TRUSS	3	1	Job Reference (optional)

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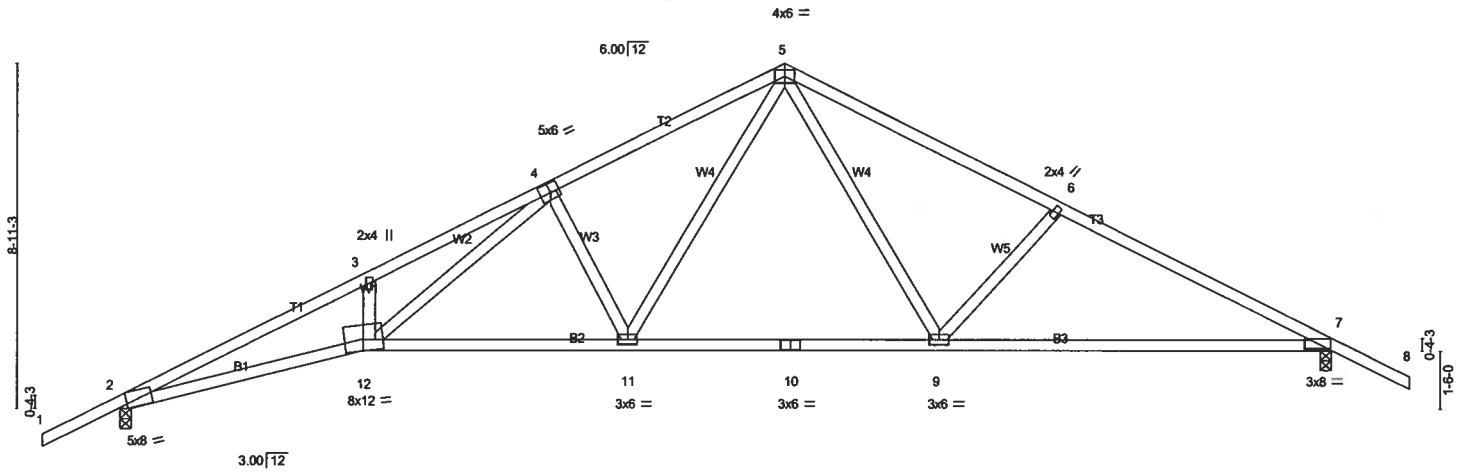
-2-0-0 | 6-5-4 | 11-1-8 | 17-2-0 | 24-2-6 | 31-4-0 | 33-4-0

2-0-0 | 6-5-4 | 4-8-4 | 6-0-8 | 7-0-6 | 7-1-10 | 2-0-0

Scale = 1:60.0



6-3-8 | 13-1-10 | 21-2-7 | 31-4-0

6-3-8 | 6-10-2 | 8-0-13 | 10-1-9

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.39	11-12	>952	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.90	Vert(TL)	-0.63	11-12	>591	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.65	Horz(TL)	0.26	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 154 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-5-7 oc bracing.

REACTIONS (lb/size) 2=1420/0-3-8, 7=1420/0-3-8
Max Horz 2=206(load case 5)
Max Uplift2=-555(load case 5), 7=-533(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-4352/1387, 3-4=-4293/1525, 4-5=-2213/798, 5-6=-2027/657, 6-7=-2268/693, 7-8=0/47
BOT CHORD 2-12=-1324/3916, 11-12=-716/2259, 10-11=-330/1411, 9-10=-330/1411, 7-9=-510/1969
WEBS 3-12=-193/229, 4-12=-769/2022, 4-11=-751/424, 5-11=-392/1029, 5-9=-207/671, 6-9=-380/316

JOINT STRESS INDEX
2 = 0.84, 3 = 0.34, 4 = 0.84, 5 = 0.83, 6 = 0.34, 7 = 0.82, 9 = 0.54, 10 = 0.58, 11 = 0.82 and 12 = 0.86

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 555 lb uplift at joint 2 and 533 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.#1129061415

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T21	KINGPOST	4	1	Job Reference (optional)

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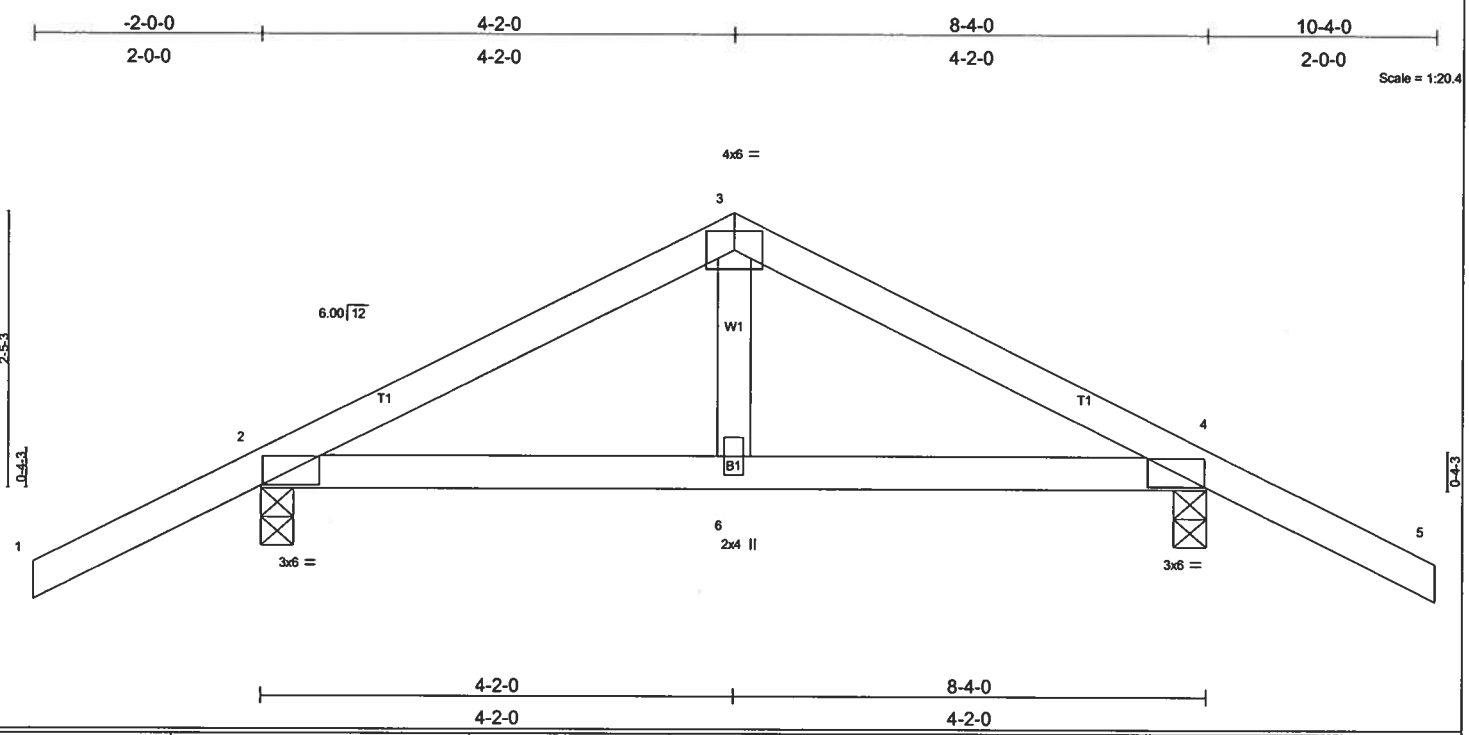

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.01	6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.12	Vert(TL)	-0.01	2-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code	FBC2004/TPI2002	(Matrix)							Weight: 36 lb	

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

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

REACTIONS (lb/size) 2=454/0-3-8, 4=454/0-3-8
Max Horz 2=-67(load case 6)
Max Uplift2=-344(load case 5), 4=-344(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-398/317, 3-4=-398/317, 4-5=0/47
BOT CHORD 2-6=-149/305, 4-6=-149/305
WEBS 3-6=-189/120

JOINT STRESS INDEX
2 = 0.68, 3 = 0.21, 4 = 0.68 and 6 = 0.09

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 344 lb uplift at joint 2 and 344 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.#1129061416

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T21G	GABLE	1	1	Job Reference (optional)

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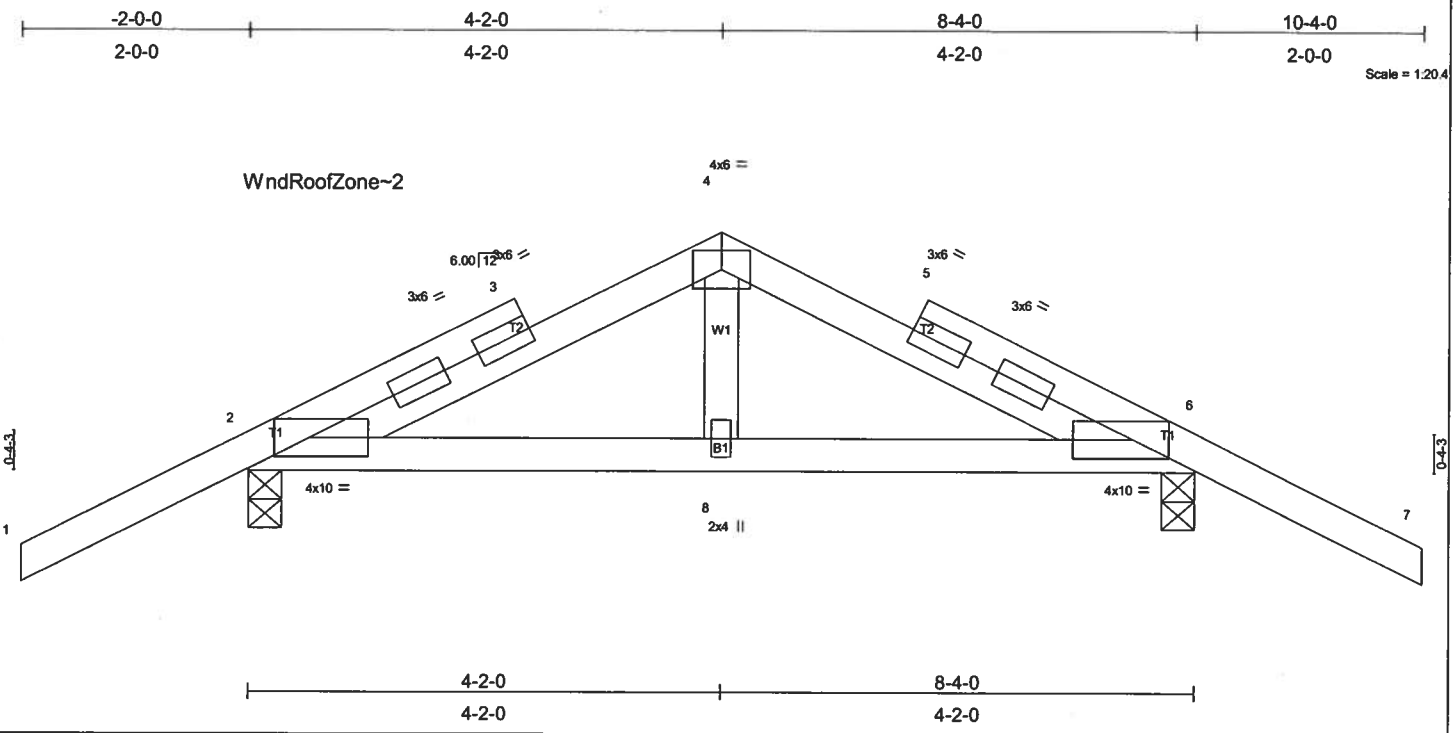

Plate Offsets (X,Y): [2:0-3-12,0-2-0], [6:0-3-12,0-2-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	0.02	2-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.02	8	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.04	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 42 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 8-5-9 oc bracing.

REACTIONS (lb/size) 2=824/0-3-8, 6=824/0-3-8
Max Horz 2=63(load case 5)
Max Uplift2=-596(load case 5), 6=-596(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-46/100, 2-3=-736/796, 3-4=-631/747, 4-5=-631/747, 5-6=-736/796, 6-7=-46/100
BOT CHORD 2-8=-549/585, 6-8=-549/585
WEBS 4-8=-210/114

JOINT STRESS INDEX
2 = 0.73, 3 = 0.00, 3 = 0.48, 3 = 0.48, 4 = 0.60, 5 = 0.00, 5 = 0.48, 5 = 0.48, 6 = 0.73 and 8 = 0.08

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 Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Gable studs spaced at 2-0-0 oc.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 596 lb uplift at joint 2 and 596 lb uplift at joint 6.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 2-6=-30, 1-4=-114(F=-60), 4-7=-114(F=-60)

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.#1129061417

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T23	ROOF TRUSS	1	1	Job Reference (optional)

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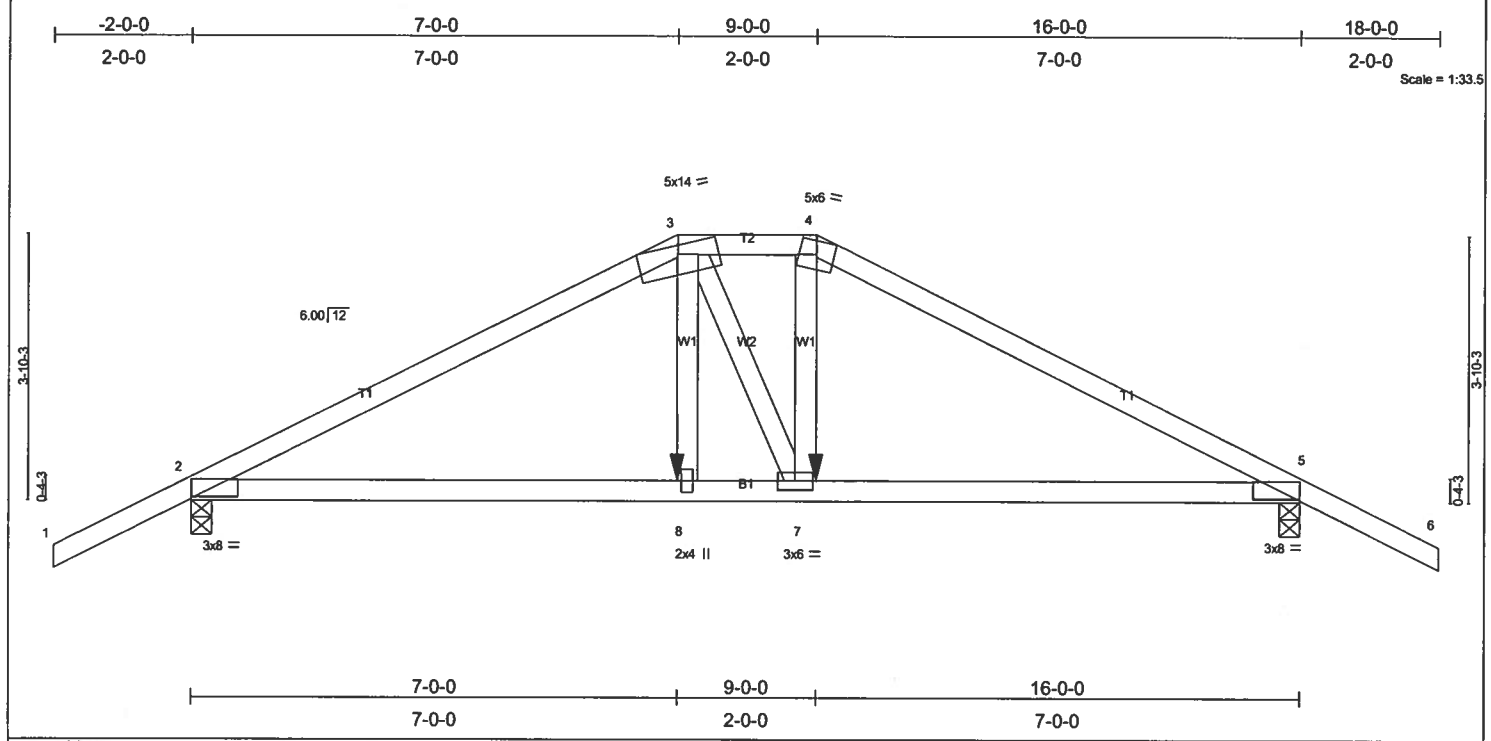

Plate Offsets (X,Y): [2:0-8-0,0-0-6], [5:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	0.14	2-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.20	2-8	>945	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.27	Horz(TL)	0.05	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 72 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-15 oc bracing.

REACTIONS (lb/size) 2=1408/0-3-8, 5=1408/0-3-8
Max Horz 2=87(load case 4)
Max Uplift2=-862(load case 4), 5=-862(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2312/1221, 3-4=-2015/1170, 4-5=-2317/1223, 5-6=0/47
BOT CHORD 2-8=-1017/1981, 7-8=-1031/2011, 5-7=-995/1986
WEBS 3-8=-375/717, 3-7=-143/162, 4-7=-423/831

JOINT STRESS INDEX
2 = 0.73, 3 = 0.92, 4 = 0.65, 5 = 0.74, 7 = 0.54 and 8 = 0.52

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 862 lb uplift at joint 2 and 862 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 9-0-0, 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, 2-8=-30, 7-8=-65(F=-35), 5-7=-30
Concentrated Loads (lb)
Vert: 8=-539(F) 7=-539(F)

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.#1129061418

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 14 MAYFAIR
L218984	T24	ROOF TRUSS	3	1	Job Reference (optional)

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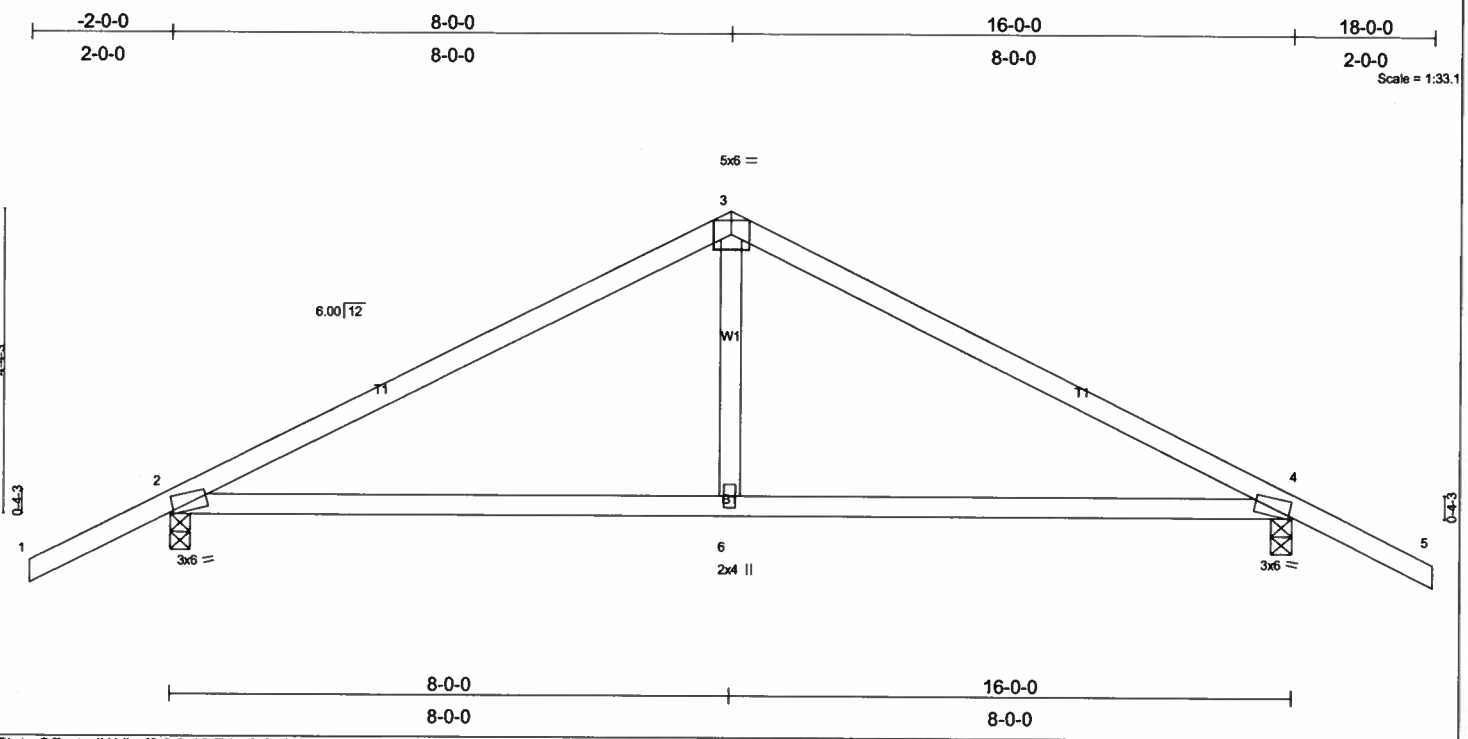


Plate Offsets (X,Y): [2:0-0-10,Edge], [4:0-0-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	0.21	2-6	>879	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.20	2-6	>925	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.02	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 63 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 5-11-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-10-9 oc bracing.

REACTIONS (lb/size) 2=776/0-3-8, 4=776/0-3-8
Max Horz 2=94(load case 5)
Max Uplift2=-539(load case 5), 4=-539(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-930/808, 3-4=-930/808, 4-5=0/47
BOT CHORD 2-6=-563/752, 4-6=-563/752
WEBS 3-6=-469/295

JOINT STRESS INDEX
2 = 0.75, 3 = 0.75, 4 = 0.75 and 6 = 0.22

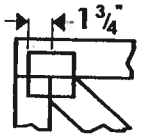
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This 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 539 lb uplift at joint 2 and 539 lb uplift at joint 4.

LOAD CASE(S) Standard

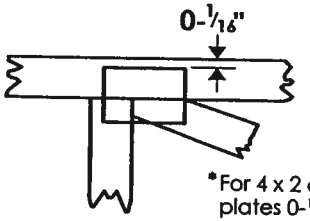
NOVEMBER 29, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

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.**

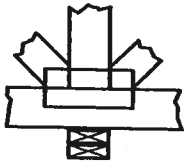
PLATE SIZE

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

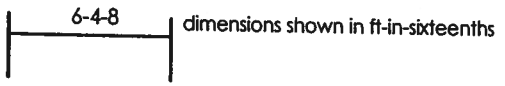


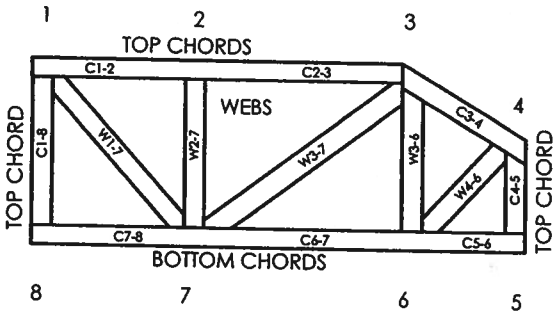
Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

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®

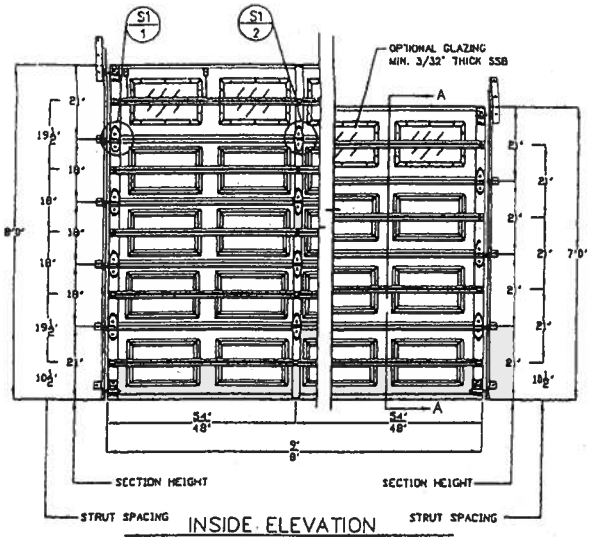
TEE-LOK®

MiTek Engineering Reference Sheet: MII-7473

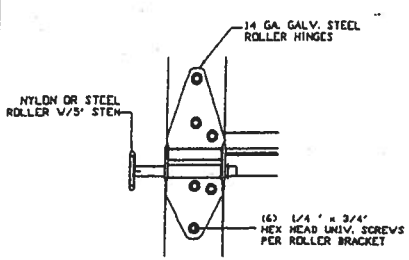
General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

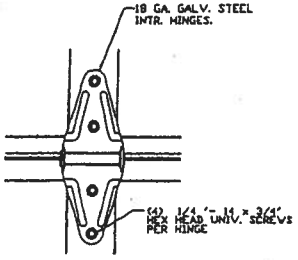
1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI1.
2. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
3. Provide copies of this truss design to the building designer, erection supervisor, property 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.



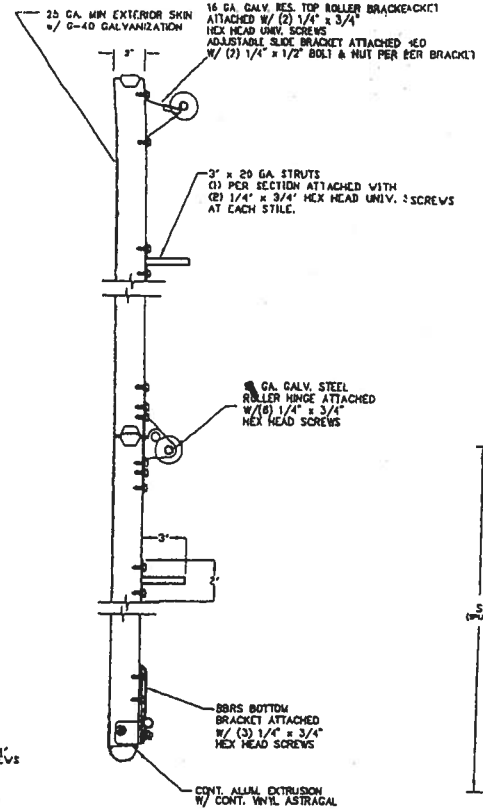
INSIDE ELEVATION



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



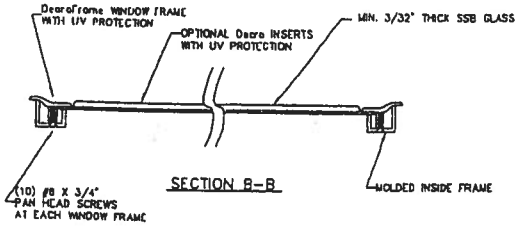
TYP. HINGE CONNECTION S1/2
N.T.S.

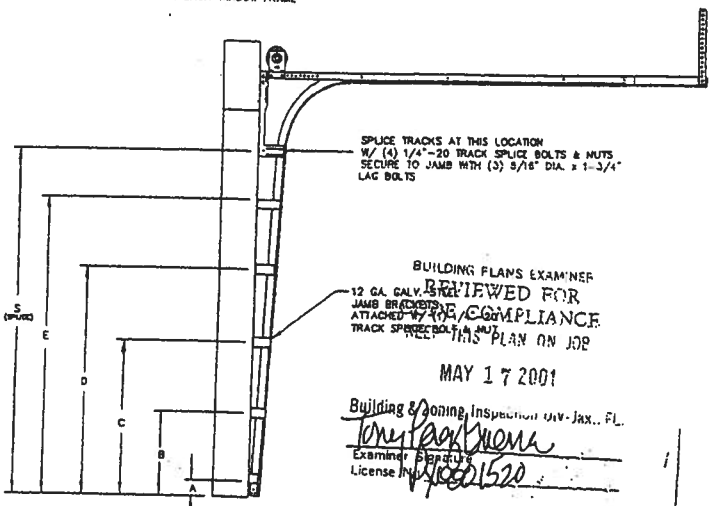


SECTION A-A (SIDE VIEW)

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 COMPARISION, FOUR (4) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OF THE 8' X 7' AND 8' X 8' MODEL 600 AND 850 DOORS.





BUILDING PLANS EXAMINER
REVIEWED FOR
CODE COMPLIANCE
KEEP THIS PLAN ON JOB
MAY 17 2001
Building & Zoning Inspection Div. Jax., FL.
Examiner Signature
License No. 0000021520

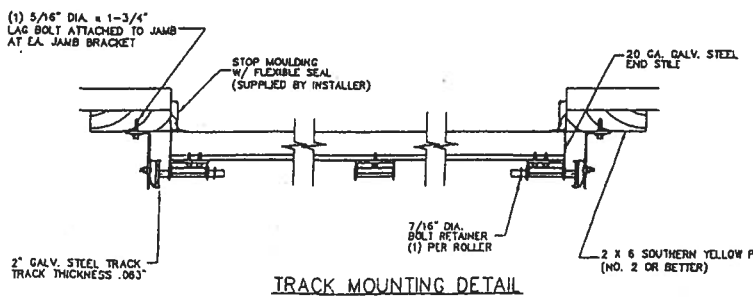
TRACK CONFIGURATION FOR 6'6" UP TO 8' TALL DOORS

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. (.018") MIN. ROLL FORMED UNIT COMMERCIAL QUALITY, G-40 GALVANIZED.
3. DOORS UP TO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN.
4. DOORS UP TO 8'0" HIGH CONSIST OF (5) SECTIONS AS SHOWN.
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. THE METHOD OF TESTING WAS BY 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 8 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

4/19/01

MAX SIZE 8' x 8'
DESIGN LOADS +48.7 PSF -51.3 PSF
TEST LOADS +48.0 PSF -48.0 PSF

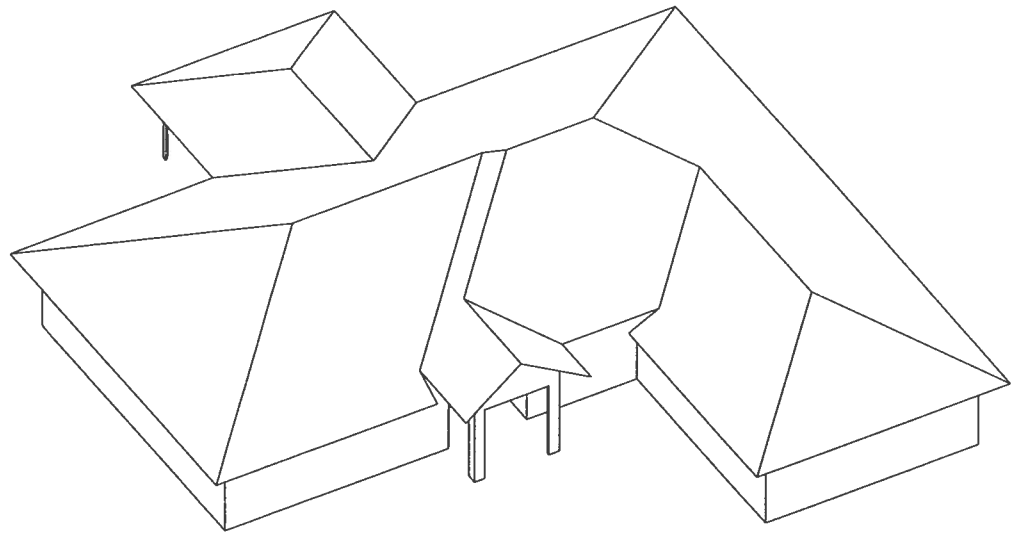
NO.	DESCRIPTION OF REVISIONS	DATE	BY

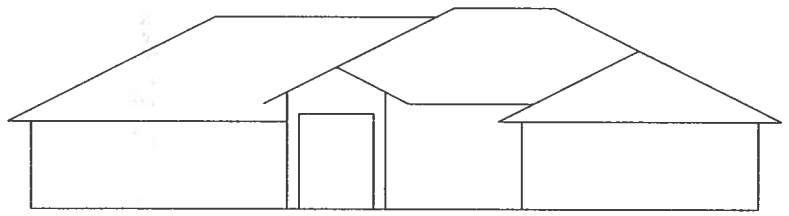
Amarr GARAGE DOORS
3978 CHARLOTTE CIRCLE, N.W. WINSTON-SALEM, N.C. 27105

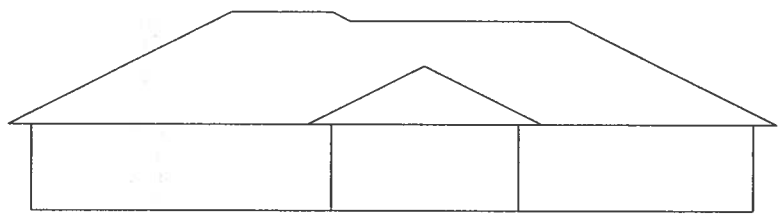
MODEL #600 STRATFORD
MODEL #850 HERITAGE III

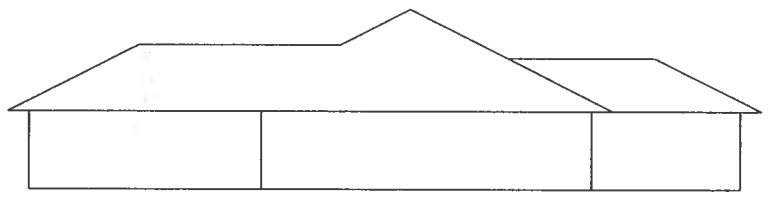
SIZE	DRAWN BY	DATE	DRAWING NUMBER
B	CHECKED BY	DATE	SBC-580-007-J
SCALE: AS NOTED			SHEET 1 OF 1

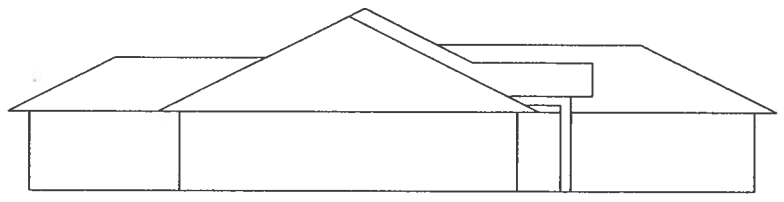
6/12 PITCH - 2'0" O/H

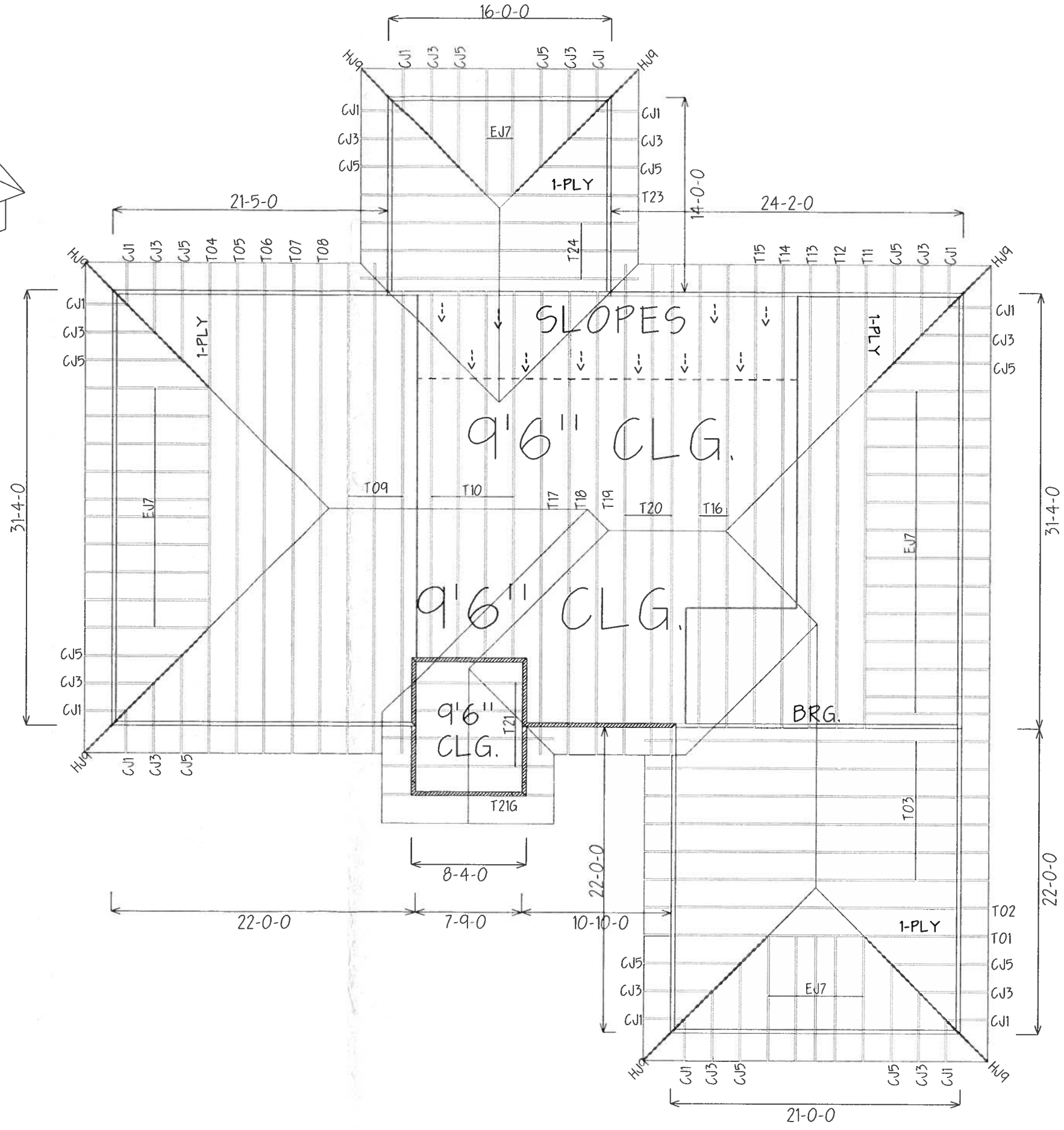












BEARING HEIGHT SCHEDULE

8'-0"

9'-6"

NOTES:

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

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

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

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

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

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

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

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

SHOP DRAWING APPROVAL

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

Requested Delivery Date: _____

Approved By: _____ Date: _____

Builders FirstSource

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

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

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

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

BUILDER: GIEBEIG HOMES

LEGAL ADDRESS: LOT 14 MAYFAIR

MODEL: ST.JOHNS 4-BDRM | REVISION:

SCALE: NTS

DATE: 11-29-06 | DRAWN BY: K.L.H. | JOB #: L218984