

DATE 01/12/2007

Columbia County Building Permit**PERMIT**

This Permit Expires One Year From the Date of Issue

000025404

APPLICANT TRENT GIEGEIG PHONE 397-0545

ADDRESS 697 SE HOLLY TERR LAKE CITY FL 32055

OWNER PETE GIEBEIG PHONE 752-7968

ADDRESS 580 SW GERALD CONNER DR LAKE CITY FL 32024

CONTRACTOR TRENT GIEGEIG PHONE 397-0545

LOCATION OF PROPERTY SISTERS WELCOME RD, TL ON KICKLIGHTER, TR ON GERALD CONNER DRIVE, 10TH LOT ON RIGHT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 67200.00

HEATED FLOOR AREA 1344.00 TOTAL AREA 1792.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 15

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

NO. EX.D.U. 0 FLOOD ZONE X PP DEVELOPMENT PERMIT NO.

PARCEL ID 23-4S-16-03095-109 SUBDIVISION CANNON CREEK PLACE

LOT 9 BLOCK PHASE 2 UNIT TOTAL ACRES

000001297 RR28281153

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

CULVERT 06-1110-N BK JH Y

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

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILECheck # or Cash 2435**FOR BUILDING & ZONING DEPARTMENT ONLY**

(footer/Slab)

Temporary Power Foundation Monolithic

date/app. by date/app. by date/app. by

Under slab rough-in plumbing Slab Sheathing/Nailing

date/app. by date/app. by date/app. by

Framing Rough-in plumbing above slab and below wood floor

date/app. by date/app. by

Electrical rough-in Heat & Air Duct Peri. beam (Lintel)

date/app. by date/app. by date/app. by

Permanent power C.O. Final Culvert

date/app. by date/app. by date/app. by

M/H tie downs, blocking, electricity and plumbing Pool

date/app. by date/app. by

Reconnection Pump pole Utility Pole

date/app. by date/app. by date/app. by

M/H Pole Travel Trailer Re-roof

date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 340.00 CERTIFICATION FEE \$ 8.96 SURCHARGE FEE \$ 8.96MISC. 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 457.92INSPECTORS OFFICE CLERKS OFFICE

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 INCONVENIENCE, 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:2006030222 Date:12/27/2006 Time:14:30

DC, P. DeWitt Cason, Columbia County B:1105 P:2483

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 Statutes, the following information is provided in this Notice of Commencement:

1. Description of Property: Lot #9 Cannon Creek Place Unit II
580 SW Gerald Conner Drive Lake City, Fl. 3202
2. General Description of Improvement: Construction of Single Family Residence
3. Owner Information:
 - a. Name and Address: Peter W. Giebeig
P.O. Box 1384 Lake City, FL. 32056
 - b. Interest in Property: Fee Simple
 - c. Name and Address of Fee Simple titleholder (if other than Owner): _____
4. Contractor (Name and Address): Trent Giebeig Construction, Inc
697 SE Holly Terrace Lake City, Fl. 32025
5. Surety:
 - a. Name and Address: _____ N/A
 - b. Amount of Bond: _____
6. Lender (Name and Address): _____ N/A
7. Persons within the State of Florida designated by Owner upon notices or other documents may be Served as provided by 713.13 (1)(a)(7), Florida Statutes.

N/A
8. In addition to himself, the Owner designates the following person to receive a copy of the Lienor's Notice as provided in 713.13 (1)(b), Florida Statutes (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): _____

Type Owner Name: _____

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

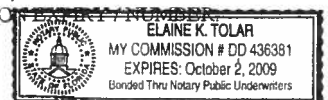
Vanessa Bryant
Witness #1 VANESSA BRYANT

Elaine K. Tolar
Witness #2 ELAINE K TOLAR

Sworn to and subscribed before me by the
Owner (s) on this 21st day of DEC 2006

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

Personally Known Peter W. Giebeig
Produced Identification _____
Did Take an Oath / Did Not Take an Oath _____



Columbia County Building Permit Application

Clt# 24345

For Office Use Only Application # 0701-36 Date Received 1-9-07 By GP Permit # 1297/254
 Application Approved by - Zoning Official BLK Date 12.01.07 Plans Examiner OK JTH Date 1-11-
 Flood Zone Xp lot Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low De
 Comments SITE PLAN ON PLANS 1st Floor to be 1 ft above RL
☐ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Perr

Name Authorized Person Signing Permit Trent Giebeig Fax _____
 Address 697 SE Holly Terrace Lake City FL Phone 397-0545
 Owners Name Pete Giebeig Phone 752-7968
 911 Address 580 SW GERALD Conner Drive LAKE City FL 32024
 Contractors Name Trent Giebeig Phone 397-0545
 Address 697 SE Holly Terrace Lake City FL
 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 Ener
 Property ID Number 23-45-16-03095-109 Estimated Cost of Construction \$0,000
 Subdivision Name Cannon Creek Place Unit 2 Lot 9 Block _____ Unit II Phase II
 Driving Directions Sisters Welcome South left on Kinklighter
Right into Cannon creek Place Gerald conner drive
on Right
 Type of Construction Frame Number of Existing Dwellings on Property 0
 Total Acreage .54 Lot Size .54 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Dr
 Actual Distance of Structure from Property Lines - Front 27' Side 27'9" Side 17'4" Rear 102'
 Total Building Height 15'3 1/2" Number of Stories 1 Heated Floor Area 1344 Roof Pitch 6/12
 TOTAL 1,792

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 COMMENCEMENT 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
 STATE OF FLORIDA
 COUNTY OF COLUMBIA
 Sworn to (or affirmed) and subscribed before me
 this 9th day of January 2007
 Personally known X or Produced Identification _____

Contractor Signature [Signature]
 Contractors License Number RR28281152
 Competency Card Number 6754
 NOTARY STAMP/SEAL

 Notary Signature _____
 (Revised Sept. 200)

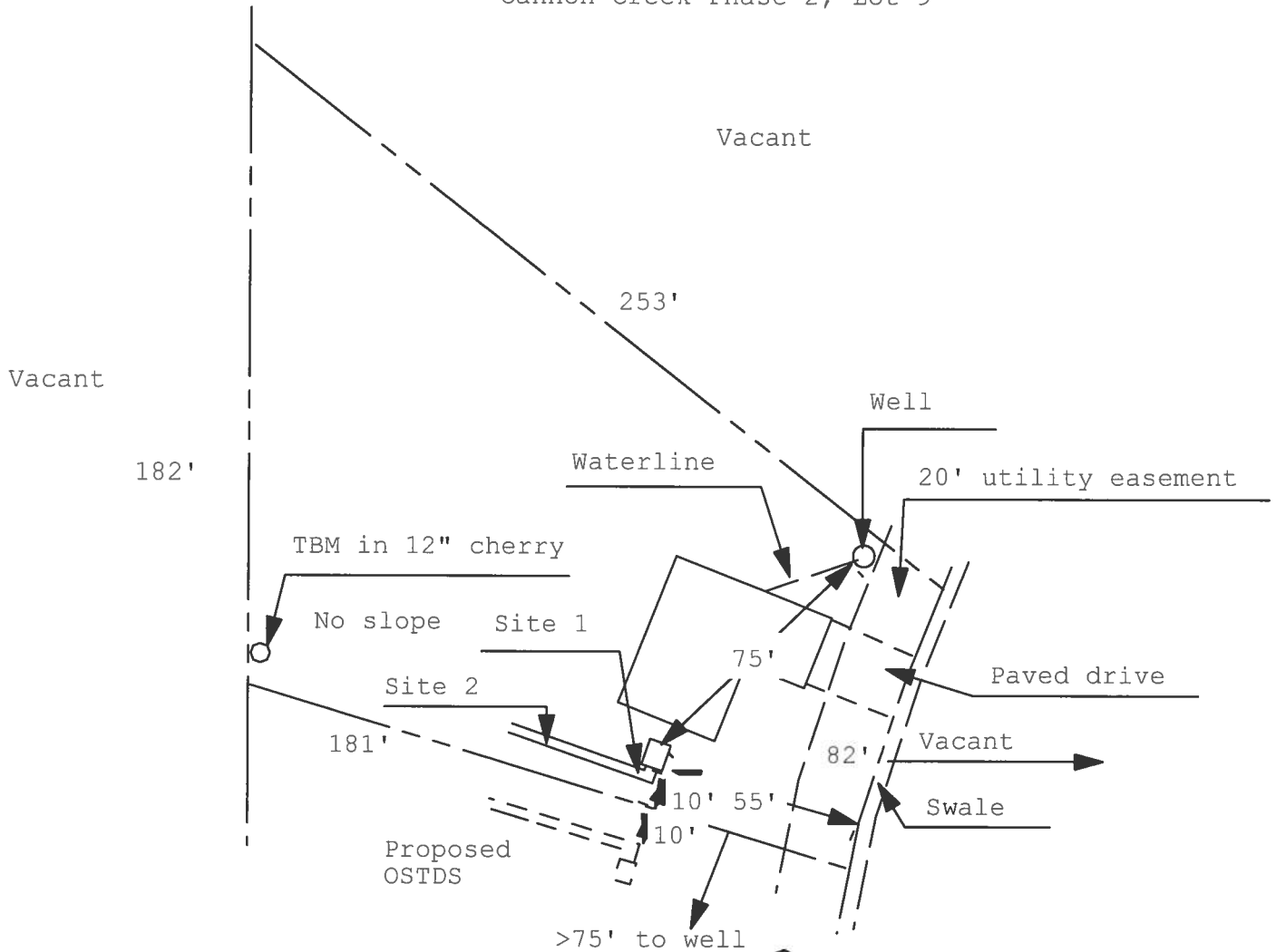
**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 06-01110N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GIEBEIG/CR 06-3802



Cannon Creek Phase 2, Lot 9



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 12/8/06
Plan Approved X Not Approved Date 12/20/06
By Paul Lloyd **APPROVED** **Columbia CHD** CPHU

Notes: _____

Columbia County Property Appraiser

DB Last Updated: 12/29/2006

2007 Proposed Values

Parcel: 23-4S-16-03095-004

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

<< Prev

Search Result: 55 of 78

Next >>

Owner's Name	GIEBEIG PETER W		
Site Address			
Mailing Address	P O BOX 1384 LAKE CITY, FL 32025		
Use Desc. (code)	NO AG ACRE (009900)		
Neighborhood	23416.00	Tax District	2
UD Codes	MKTA01	Market Area	01
Total Land Area	22.950 ACRES		
Description	COMM AT SE COR OF SEC, RUN N 987.76 FT FOR POB, SW 645.44 FT, W 400.04 FT, N 1033.26 FT, E 148.13 FT, S 501.68 FT, E 865.43 FT, S 327.55 FT TO POB & COMM AT SE COR OF SEC, RUN N 2245.13 FT FOR POB, CONT N 430.01 FT, W 1010.33 FT, S 430.01 FT, E 1011.95 FT TO POB ORB 1031-1893		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$137,700.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$137,700.00

Just Value	\$137,700.00
Class Value	\$0.00
Assessed Value	\$137,700.00
Exempt Value	\$0.00
Total Taxable Value	\$137,700.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
11/18/2004	1031/1893	WD	V	Q		\$177,700.00

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
009900	AC NON-AG (MKT)	22.950 AC	1.00/1.00/1.00/1.00	\$6,000.00	\$137,700.00

Columbia County Property Appraiser

DB Last Updated: 12/29/2006

<< Prev

55 of 78

Next >>

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Lot 9 Cannon Creek Phase 2	Builder:	John Norris
Address:	Lot: 9, Sub: Cannon Creek, Plat: Phase 2	Permitting Office:	Columbia County
City, State:	Lake City, FL 32055-	Permit Number:	25404
Owner:	Trent Giebeig	Jurisdiction Number:	221000
Climate Zone:	South		

- | | | | | | |
|--|---|-----|--|-------------------|-----|
| 1. New construction or existing | New | ___ | 12. Cooling systems | | |
| 2. Single family or multi-family | Single family | ___ | a. Central Unit | Cap: 24.0 kBtu/hr | ___ |
| 3. Number of units, if multi-family | 1 | ___ | | SEER: 12.00 | ___ |
| 4. Number of Bedrooms | 3 | ___ | b. N/A | | ___ |
| 5. Is this a worst case? | Yes | ___ | c. N/A | | ___ |
| 6. Conditioned floor area (ft ²) | 1344 ft ² | ___ | | | ___ |
| 7. Glass area & type | Single Pane Double Pane | ___ | 13. Heating systems | | |
| a. Clear glass, default U-factor | 0.0 ft ² 172.0 ft ² | ___ | a. Electric Heat Pump | Cap: 24.0 kBtu/hr | ___ |
| b. Default tint | 0.0 ft ² 0.0 ft ² | ___ | | HSPF: 7.40 | ___ |
| c. Labeled U or SHGC | 0.0 ft ² 0.0 ft ² | ___ | b. N/A | | ___ |
| 8. Floor types | | ___ | c. N/A | | ___ |
| a. Slab-On-Grade Edge Insulation | R=0.0, 160.0(p) ft | ___ | | | ___ |
| b. N/A | | ___ | 14. Hot water systems | | |
| c. N/A | | ___ | a. Electric Resistance | Cap: 50.0 gallons | ___ |
| 9. Wall types | | ___ | | EF: 0.90 | ___ |
| a. Face Brick, Wood, Exterior | R=13.0, 1120.0 ft ² | ___ | b. N/A | | ___ |
| b. Frame, Wood, Adjacent | R=13.0, 160.0 ft ² | ___ | c. Conservation credits | | ___ |
| c. N/A | | ___ | (HR-Heat recovery, Solar | | ___ |
| d. N/A | | ___ | DHP-Dedicated heat pump) | | ___ |
| e. N/A | | ___ | 15. HVAC credits | PT, CF, ___ | ___ |
| 10. Ceiling types | | ___ | (CF-Ceiling fan, CV-Cross ventilation, | | ___ |
| a. Under Attic | R=30.0, 1344.0 ft ² | ___ | HF-Whole house fan, | | ___ |
| b. N/A | | ___ | PT-Programmable Thermostat, | | ___ |
| c. N/A | | ___ | MZ-C-Multizone cooling, | | ___ |
| 11. Ducts | | ___ | MZ-H-Multizone heating) | | ___ |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 50.0 ft | ___ | | | ___ |
| b. N/A | | ___ | | | ___ |

Glass/Floor Area: 0.13

Total as-built points: 18258

Total base points: 23597

PASS

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

PREPARED BY: John Norris

DATE: 12/19/06

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: _____



SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 9, Sub: Cannon Creek, Plat: Phase 2, Lake City, FL, 32055- PERMIT #:

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 9, Sub: Cannon Creek, Plat: Phase 2, Lake City, FL, 32055- PERMIT #:

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

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 9, Sub: Cannon Creek, Plat: Phase 2, Lake City, FL, 32055- PERMIT #:

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

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 9, Sub: Cannon Creek, Plat: Phase 2, Lake City, FL, 32055- PERMIT #:

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

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 9, Sub: Cannon Creek, Plat: Phase 2, Lake City, FL, 32055- PERMIT #:

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

CODE COMPLIANCE STATUS

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

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 9, Sub: Cannon Creek, Plat: Phase 2, 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* = 87.5

The higher the score, the more efficient the home.

Trent Giebeig, Lot: 9, Sub: Cannon Creek, Plat: Phase 2, Lake City, FL, 32055-

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit	Cap: 24.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 12.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	Yes	___	c. N/A	___
6. Conditioned floor area (ft ²)	1344 ft ²	___		___
7. Glass area & type	Single Pane	Double Pane		___
a. Clear - single pane	0.0 ft ²	172.0 ft ²	13. Heating systems	
b. Clear - double pane	0.0 ft ²	0.0 ft ²	a. Electric Heat Pump	Cap: 24.0 kBtu/hr
c. Tint/other SHGC - single pane	0.0 ft ²	0.0 ft ²		HSPF: 7.40
d. Tint/other SHGC - double pane			b. N/A	___
8. Floor types			c. N/A	___
a. Slab-On-Grade Edge Insulation	R=0.0, 160.0(p) ft	___		___
b. N/A		___	14. Hot water systems	
c. N/A		___	a. Electric Resistance	Cap: 50.0 gallons
9. Wall types				EF: 0.90
a. Face Brick, Wood, Exterior	R=13.0, 1120.0 ft ²	___	b. N/A	___
b. Frame, Wood, Adjacent	R=13.0, 160.0 ft ²	___		___
c. N/A		___	c. Conservation credits	___
d. N/A		___	(HR-Heat recovery, Solar	___
e. N/A		___	DHP-Dedicated heat pump)	___
10. Ceiling types			15. HVAC credits	PT, CF, ___
a. Under Attic	R=30.0, 1344.0 ft ²	___	(CF-Ceiling fan, CV-Cross ventilation,	___
b. N/A		___	HF-Whole house fan,	___
c. N/A		___	PT-Programmable Thermostat,	___
11. Ducts			MZ-C-Multizone cooling,	___
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 50.0 ft	___	MZ-H-Multizone heating)	___
b. N/A		___		___

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 EnergyStarTM 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.*

EnergyGauge 08/04 Version: FLRCPB v3.30)

Residential System Sizing Calculation

Summary

Trent Giebeig

Lake City, FL 32055-

Project Title:
Lot 9 Cannon Creek Phase 2

Code Only
Professional Version
Climate: South

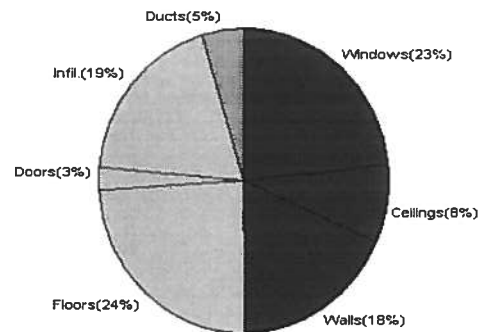
12/19/2006

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	20773 Btuh	Total cooling load calculation	18830 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	115.5 24000	Sensible (SHR = 0.5)	79.0 12000
Heat Pump + Auxiliary(0.0kW)	115.5 24000	Latent	329.3 12000
		Total (Electric Heat Pump)	127.5 24000

WINTER CALCULATIONS

Winter Heating Load (for 1344 sqft)

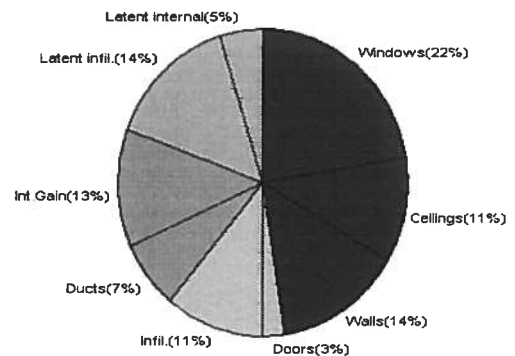
Load component	Load
Window total 172 sqft	4868 Btuh
Wall total 1280 sqft	3728 Btuh
Door total 38 sqft	534 Btuh
Ceiling total 1344 sqft	1747 Btuh
Floor total 160 ft	5056 Btuh
Infiltration 90 cfm	3852 Btuh
Subtotal	19784 Btuh
Duct loss	989 Btuh
TOTAL HEAT LOSS	20773 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1344 sqft)

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



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: W. D. H. H. H.

DATE: 12/19/06

System Sizing Calculations - Winter

Residential Load - Component Details

Trent Giebeig

Project Title:

Code Only

Lake City, FL 32055-

Lot 9 Cannon Creek Phase 2

Professional Version

Climate: South

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

12/19/2006

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

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

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default)

(HTM - ManualJ Heat Transfer Multiplier)

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

System Sizing Calculations - Summer

Residential Load - Component Details

Trent Giebeig

Project Title:
Lot 9 Cannon Creek Phase 2

Lake City, FL 32055-

Code Only
Professional Version
Climate: South

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 12/19/2006

Window	Type	Overhang		Window Area(sqft)			HTM		Load		
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, DEF, N, N	N	1.5	6	15.0	0.0	15.0	24	24	360	Btuh
2	2, Clear, DEF, N, N	N	1.5	8	40.0	0.0	40.0	24	24	960	Btuh
3	2, Clear, DEF, N, N	N	1.5	6	60.0	0.0	60.0	24	24	1440	Btuh
4	2, Clear, DEF, N, N	W	1.5	2	5.0	3.1	1.9	24	74	214	Btuh
5	2, Clear, DEF, N, N	S	1.5	6	48.0	48.0	0.0	24	39	1152	Btuh
6	2, Clear, DEF, N, N	S	1.5	3	4.0	4.0	0.0	24	39	96	Btuh
Window Total					172					4222	Btuh
Walls	Type	R-Value			Area		HTM		Load		
1	Frame - Exterior	13.0			1120.0		2.1		2397		Btuh
2	Frame - Adjacent	13.0			160.0		1.4		230		Btuh
Wall Total					1280.0				2627		Btuh
Doors	Type	R-Value			Area		HTM		Load		
1	Insulated - Exter				20.0		12.5		250		Btuh
2	Insulated - Adjac				17.8		12.5		222		Btuh
Door Total					37.8				471		Btuh
Ceilings	Type/Color	R-Value			Area		HTM		Load		
1	Under Attic/Dark	30.0			1344.0		1.6		2097		Btuh
Ceiling Total					1344.0				2097		Btuh
Floors	Type	R-Value			Size		HTM		Load		
1	Slab-On-Grade Edge Insulation	0.0			160.0 ft(p)		0.0		0		Btuh
Floor Total					160.0				0		Btuh
Infiltration	Type	ACH			Volume		CFM=		Load		
	Natural	0.35			13440		78.6		1987		Btuh
	Mechanical						0		0		Btuh
Infiltration Total							79		1987		Btuh

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

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

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

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000001297**

DATE 01/12/2007 PARCEL ID # 23-4S-16-03095-109
APPLICANT TRENT GIEBEIG PHONE 397-0545
ADDRESS 697 SE HOLLY TERR LAKE CITY FL 32055
OWNER PETE GIEGEIG PHONE 752-7968
ADDRESS 580 SW GERALD CONNER DR LAKE CITY FL 32024
CONTRACTOR TRENT GIEGEIG PHONE 397-0545
LOCATION OF PROPERTY SISTERS WELCOME RD, TR ON KICKLIGHTER, TR ON GERALD CONNER DR,
9TH LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT CANNON CREEK PLACE 9

SIGNATURE



INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length 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





BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

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**



NOA No 02-0109.06
Expiration Date: June 20, 2007
Approval Date: June 20, 2002
Page 1

SEEK THE SOUTH FLORIDA
MIAMI-DADE COUNTY.
BE ANCHORED PROPERLY
JECTURE.
LISTED AND SPACED AS
EDMENT TO BASE MATERIAL
; OR STUCCO.
TABLE PAGE 1.
IE WATER REQUIREMENTS

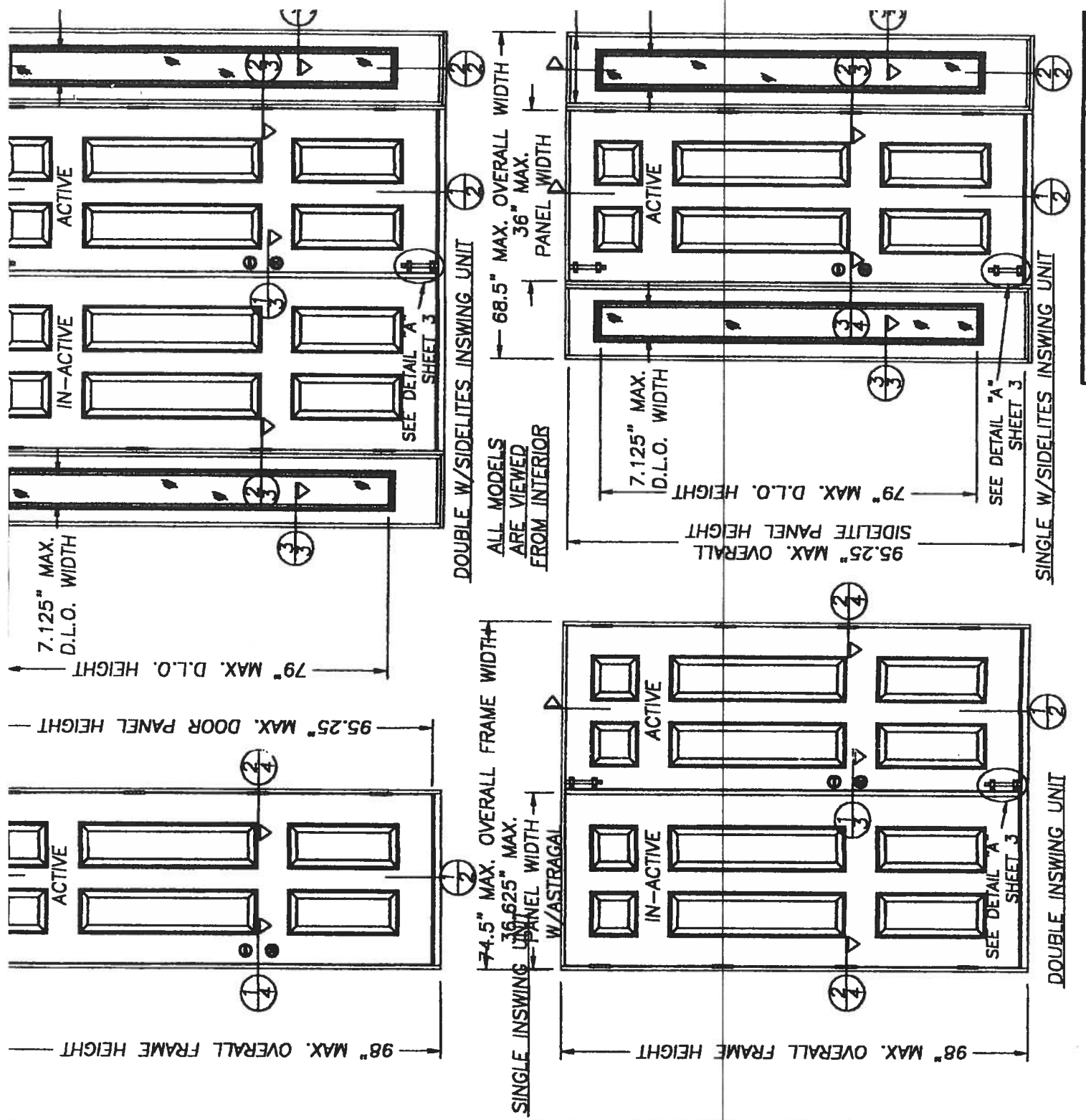
LISTED AND SPACED AS
EDMENT TO BASE MATERIAL
; OR STUCCO.
TABLE PAGE 1.
IE WATER REQUIREMENTS

ASSISTANT SHUTTERS ARE REQUIRED.
N BE USED IN A

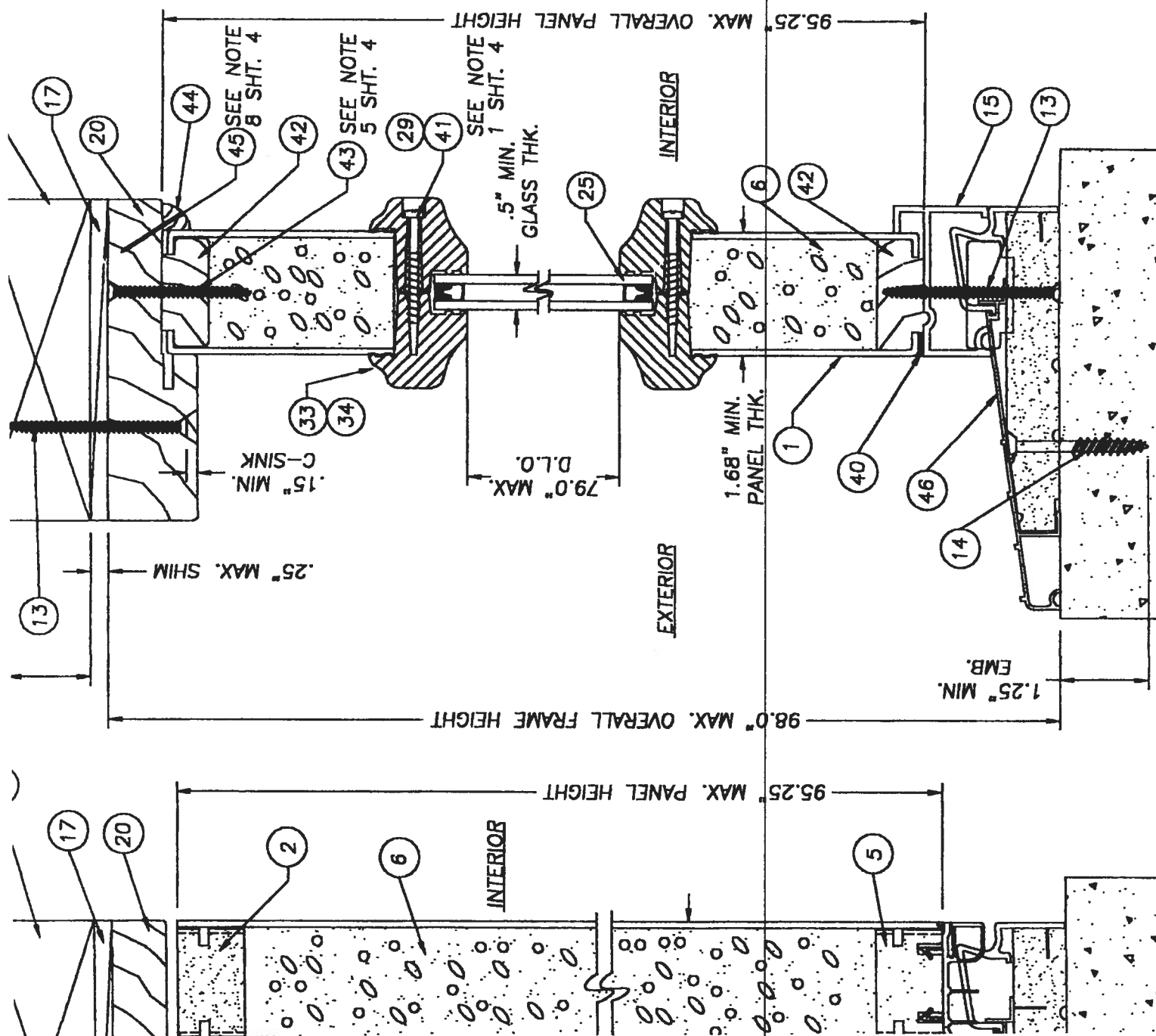
LOCATIONS PROTECTED BY THE ANGLE BETWEEN THE EDGE IS LESS THAN 45 DEGREES. UNHABITABLE AREAS WHERE THE ANGLE IS GREATER THAN 45 DEGREES ARE NOT REQUIRED TO ACCEPT WATER INFILTRATION.

ERGLASS DOOR
conditions)

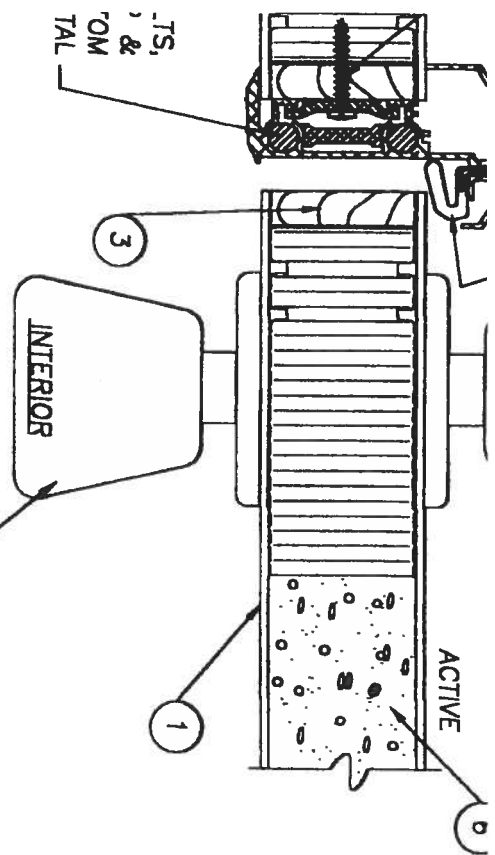
num thickness, with yield strength
h.1.9 lbs. density by BASF.
is instructed from a sheet molding
} thk. is filled with 1.9 lbs. density
sheets are glued to the wood styles
LV or SL. The latch stile which is
t. The top and bottom rail are of a
door application the inactive door
ragal of 6060-16 alloy.
acted from finger jointed pine. The
(3) #8 x 2 1/2" long screw at each
n a sidelite application using
ws. per each" mullion. The units uses
75 x 1.548".
andwich glazed using a two piece lip
ed on the exterior with an 1/8
rd with Dow 795 silicone compound
me to the sidelite panel & to the
with a #8 x 1 1/2" long Plascrow



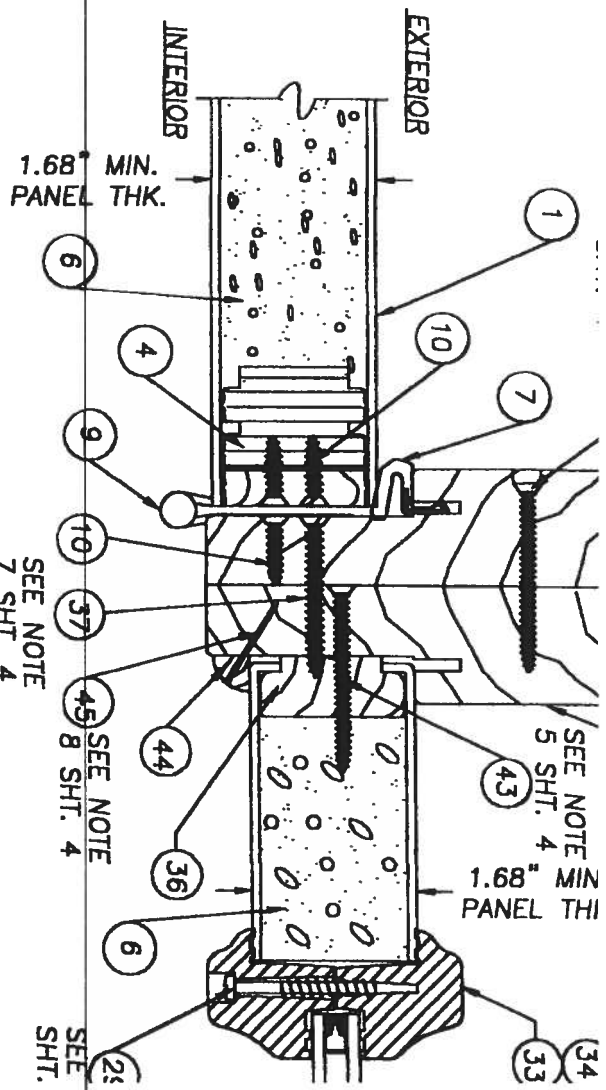
CONTENTS



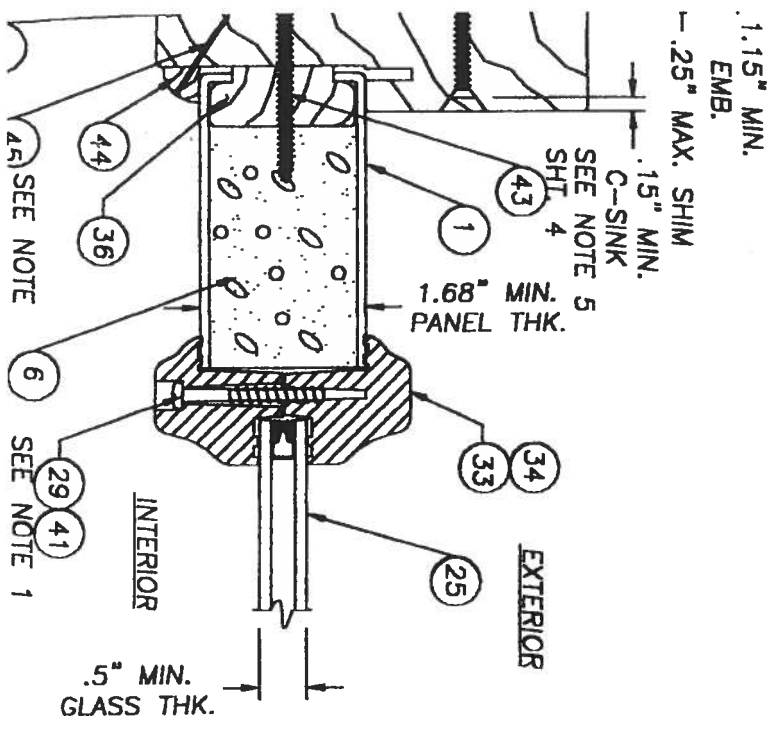
3	LATCH STILE/LOCK BLOCK (THERMA-TRU, LVL OR LSL & OAK 1.50" x 4
4	HINGE STILE (THERMA-TRU, LVL OR LSL & OAK 1.50" x 1.50")
5	BOTTOM RAIL (1.50" x .94" THERMA-TRU WOOD COMPOSITE)
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSIT
7	SHORT REACH COMPRESSION WEATHERSTRIP (THERMA-
8	LONG REACH COMPRESSION WEATHERSTRIP (THERMA-TRU
9	4" x 4" HINGE .097" THK. (THERMA-TRU)
10	#10 x 3/4" LG. PFH WOOD SCREW (Hinge to Frame)
11	#10 x 1" LG. PFH WOOD SCREW
12	#10 x 2" LG. PFH WOOD SCREW
13	#8 x 2 1/2" LG. PFH WOOD SCREW
14	3/16" TAPCON ANCHOR (ELCO)
15	SIDELITE BOTTOM BOOT .090" EXTRUDED VIN
16	2x INNER WOOD BUCK
17	MAX. 1/4" SHIM MATERIAL
18	KWIKSET TITAN 700 SERIES PASSAGE LOCK
19	NOT USED
20	HEADER 4.656" x 1.211" (THERMA-TRU, PONDEROSA F
21	4.563" x 1.25" STRIKE JAMB (THERMA-TRU, PONDEROSA I
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 1
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 I
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 I
43	#8 x 2" LG. PFH WOOD SCREW
44	3/8" x 3/8" QUARTER ROUND FINGER JOINED 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 ENL



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

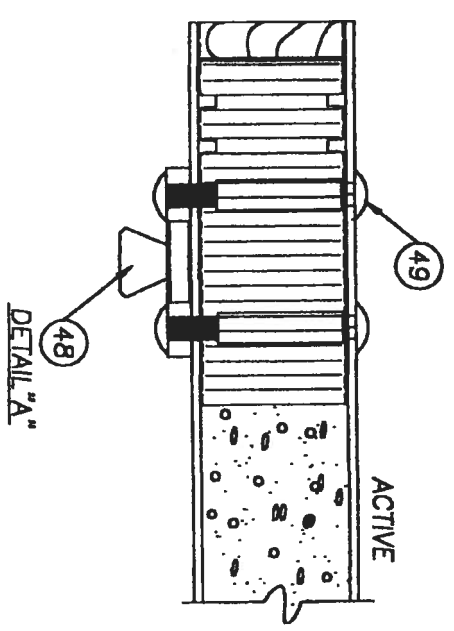


2 HORIZONTAL CROSS SECTION
3 HINGE JAMB TO SIDELITE

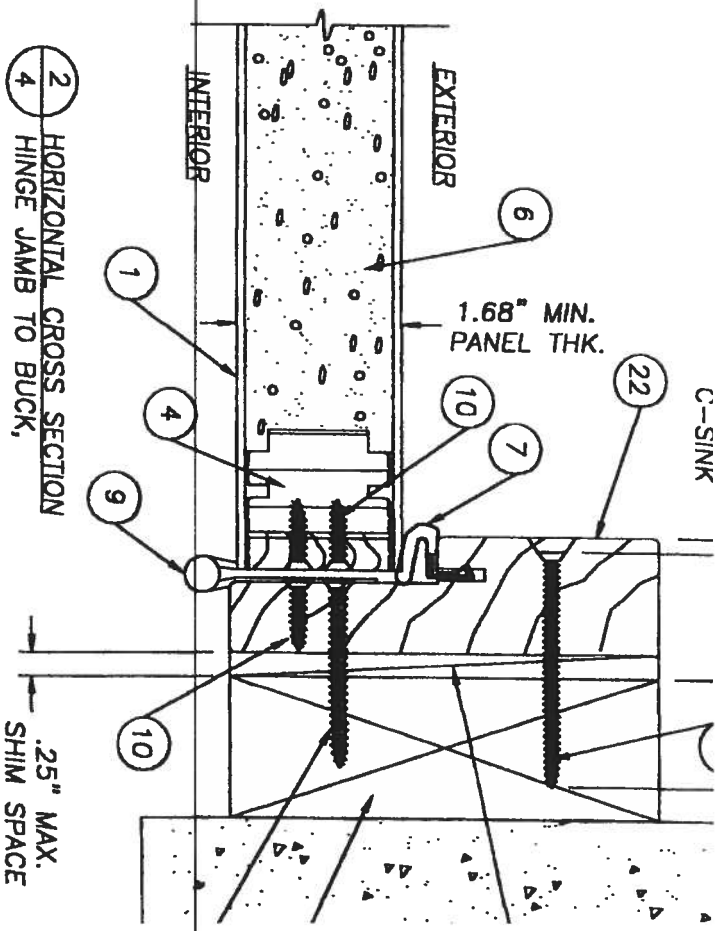
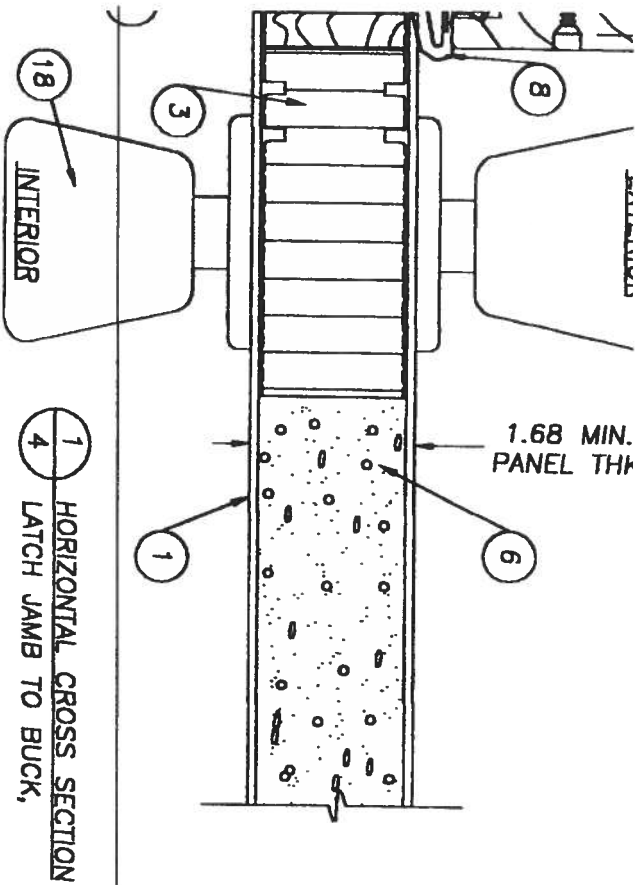


3 SEE NOTE 1

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



DETAIL "A"



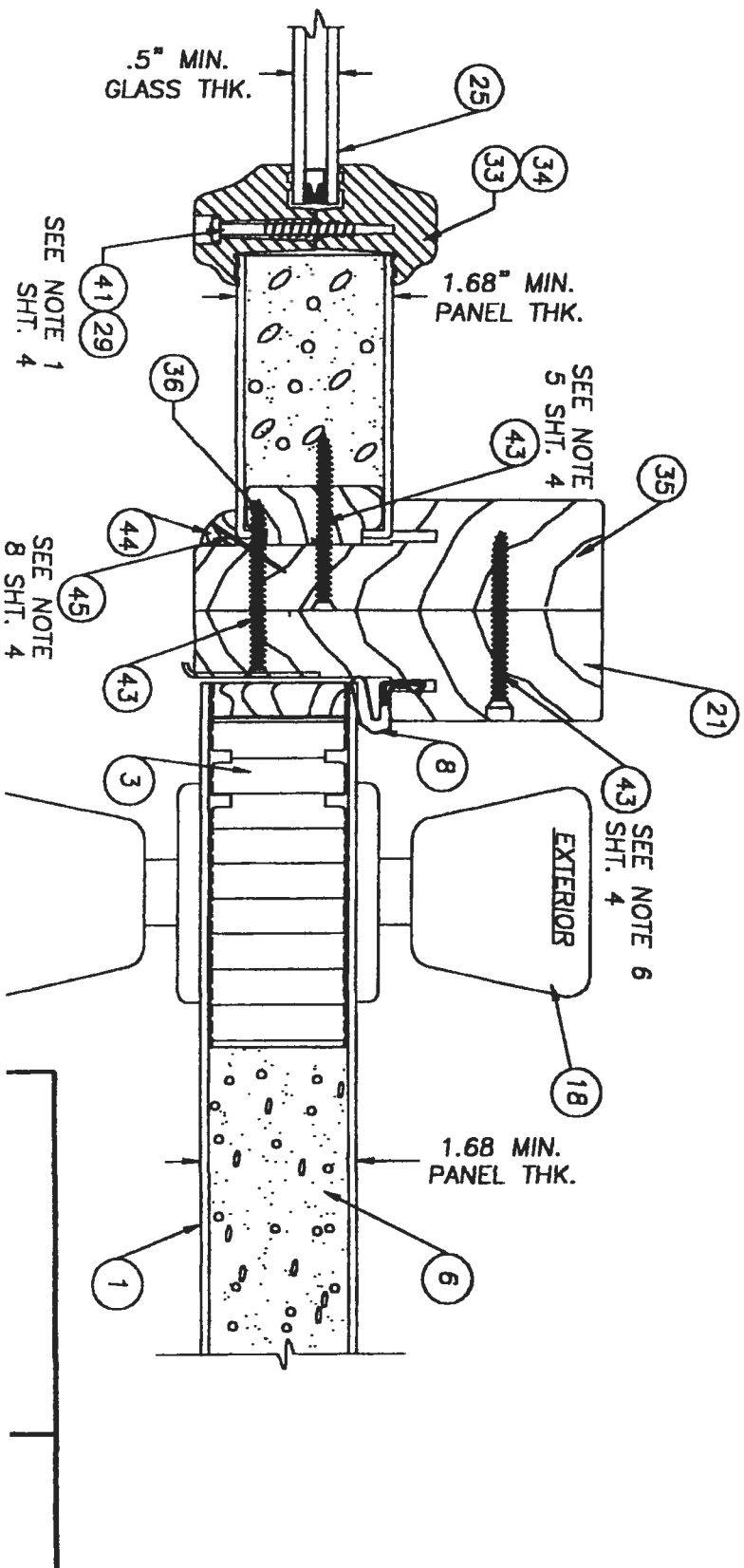
1) IS AS FOLLOWS: FROM WITH (7) MORE SPACED CREWS BOTH TOP AND CORNER.

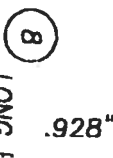
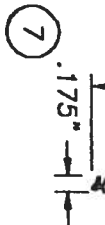
CREW INACTIVE DOOR IS AS " 3", 5", 18.25", 54"

THE SIDE JAMBS WITH THE SIDE JAMBS WITH THE JAMB WITH (12) RE ARE (4) AT TOP DOWN AT 13.5", T 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





3 BLOCK
OAK CAP

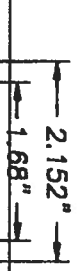
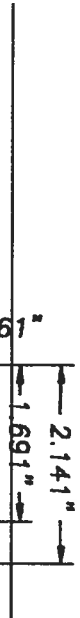
4 HINGE SIDE STILE

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

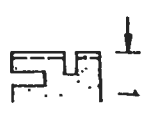
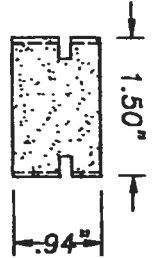
COMPRESSION WEATHERSTRIP
BY THERMA-TRU
FOAM CELL CORE W/VINYL JACKET

8 LONG L
COMPRESSION
FOAM CELL CORE



2 TOP RAIL
WOOD COMPOSITE

5 BOT
WOOD



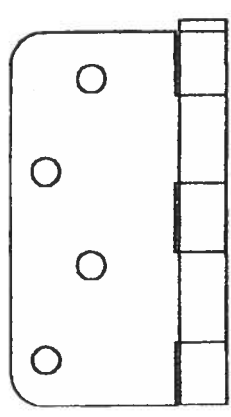
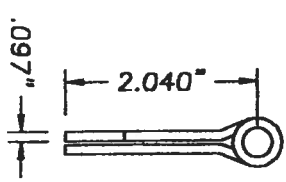
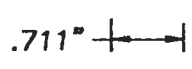
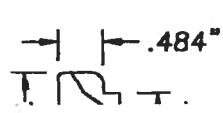
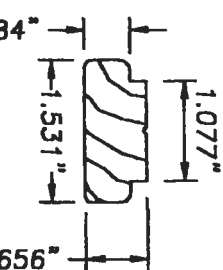
EEP
N. WALL

15 INSWING SIDELITE
BOTTOM BOOT
0.09" EXTRUDED VINYL WALL

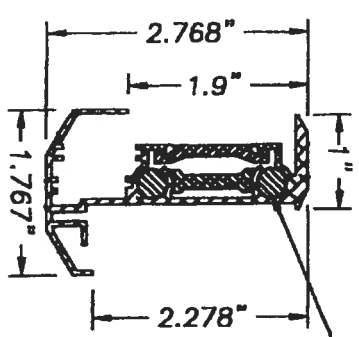
33 PLASTIC LIP LITE FRAME
EXTRUDED PVC

42 SIDELITE TOP
& BOTTOM RAIL

36 SIDELITE
SIDE
FINGER
PONDE

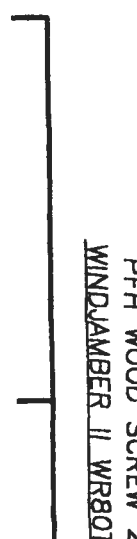
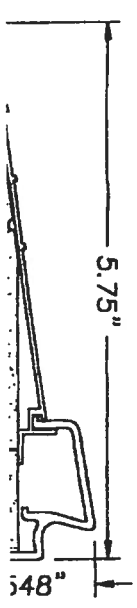


9 4 X 4 STEEL DOOR HINGE



24 WINDAMBER II WRBOT
ASTRAGAL (ALUMINUM .052" WALL TYP.)

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



DRILL THROUGH FOR
PFH WOOD SCREW 2
WINDAMBER II WRBOT



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 1414 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



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 m² (22.8 ft²)

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:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
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:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
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:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
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)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
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
<i>Note #2: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance".</i>			
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")
<u>Optional Performance</u>			
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)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
------------------	------------------------------------	----------------	----------------

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

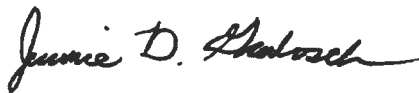
Note #3: The deflections reported are not limited by AAMA/WDMA/CSA 101/I.S.2/A440-05 for this product designation. The deflection data is recorded in this report for special code compliance and information only.

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.



Digitally Signed by: Jeramie D. Grabosch

Jeramie D. Grabosch
Technician

JDG:jdg/vlm

Attachments (pages):

Appendix-A: Alteration Addendum (1)



Digitally Signed by: Steven M. Urich

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

Revision Log

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



Appendix A

Alteration Addendum

Note: No alterations were required.



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.



NOA No 02-0109.05
Expiration Date: September 19, 2007
Approval Date: September 19, 2002
Page 1

NOTES

1. MEET THE FLORIDA

2. BE ANCHORED PROPERLY
STRUCTURE.

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

4. SEE TABLE SHEET 1.

5. REQUIREMENTS FOR
TER WITH USE OF HIGH DAM

6. IN AREAS REQUIRING WIND
ORIDA BUILDING CODE
SHUTTERS ARE REQUIRED.

7. CAN BE USED IN A
ATION.

FIBERGLASS DOOR

1. (see conditions)
2. 25" minimum thickness,
30 psi
core,

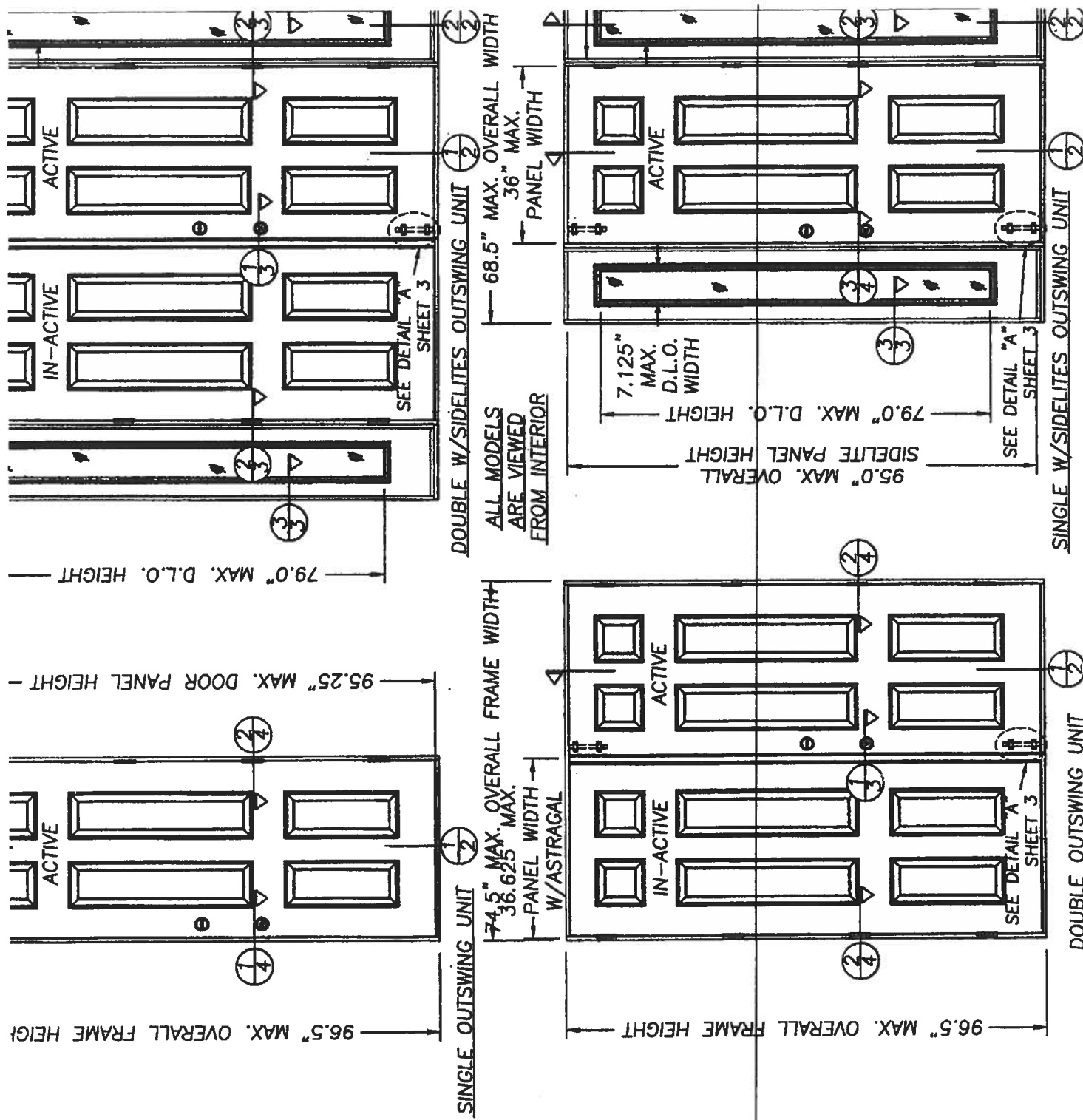
in is constructed from a
und (SMC). The interior cavity
SF polyurethane foam. The
the wood stiles and rails.
VL or LSL. The latch stile
latch reinforcement. The top
composite material. In the
live door is fitted with an
6060-16 alloy.
ucted from finger jointed pine. The
(3) #8 x 2 1/2" long Phillips 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 x 3/4" long

F CONTENTS

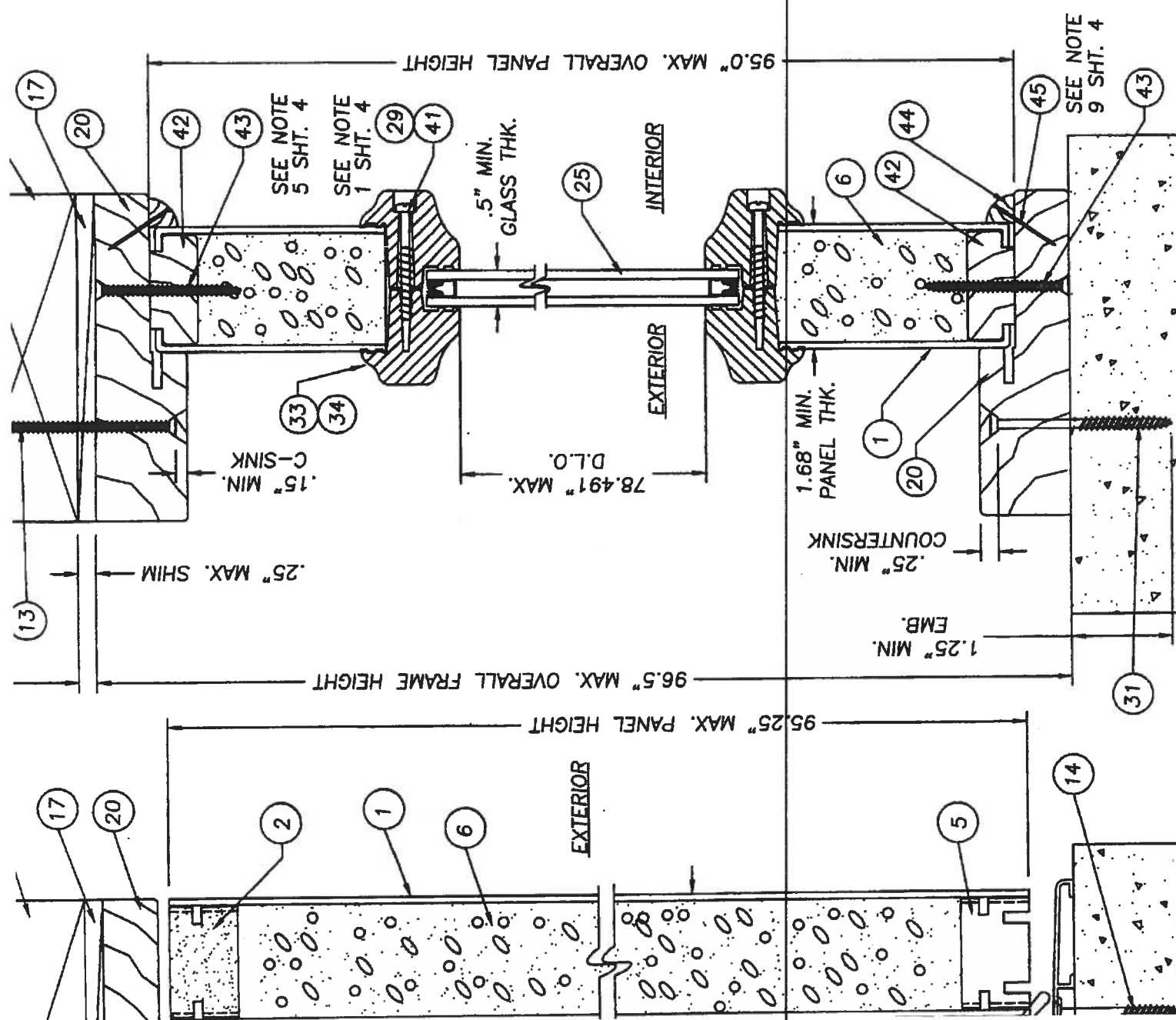
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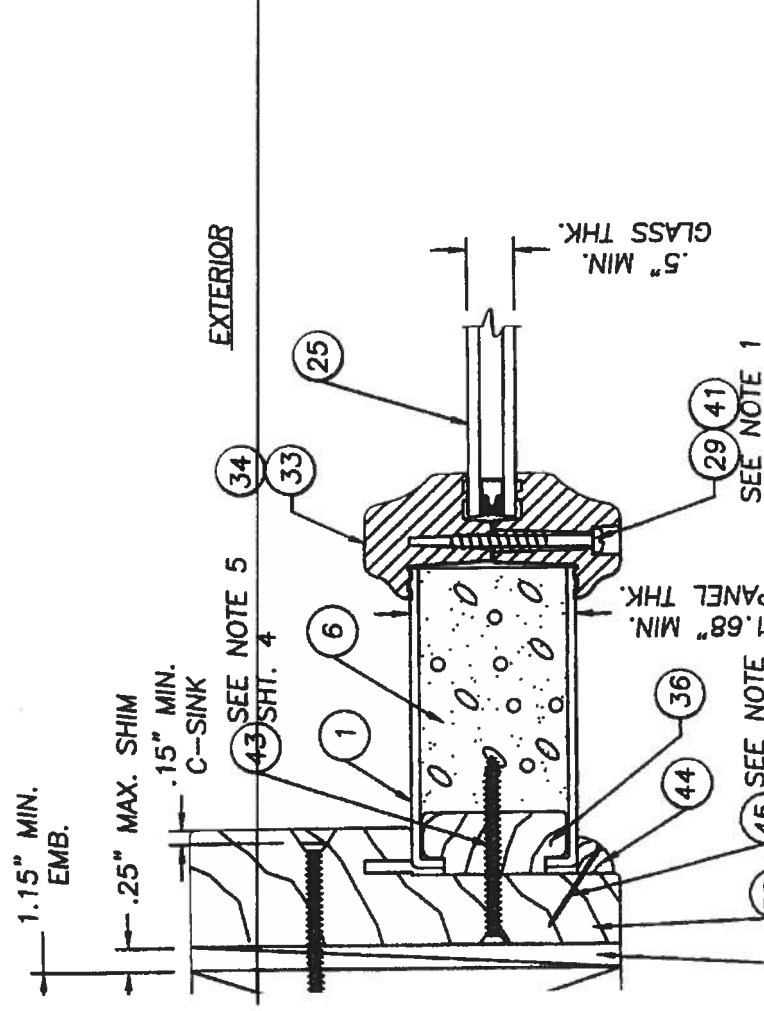
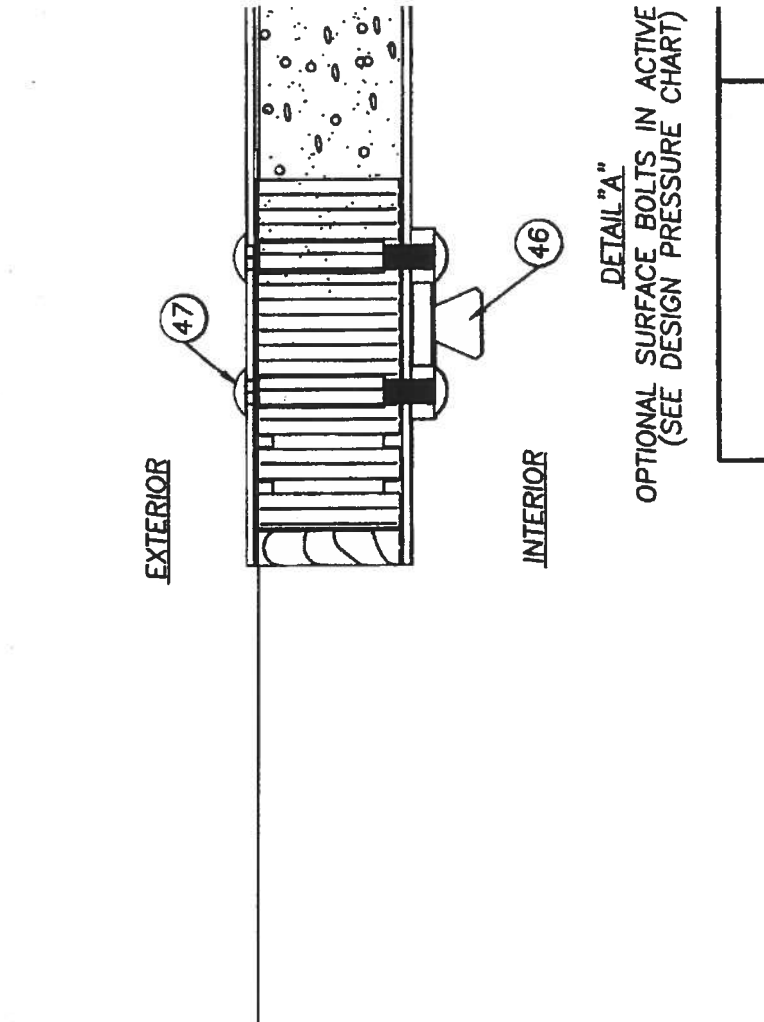
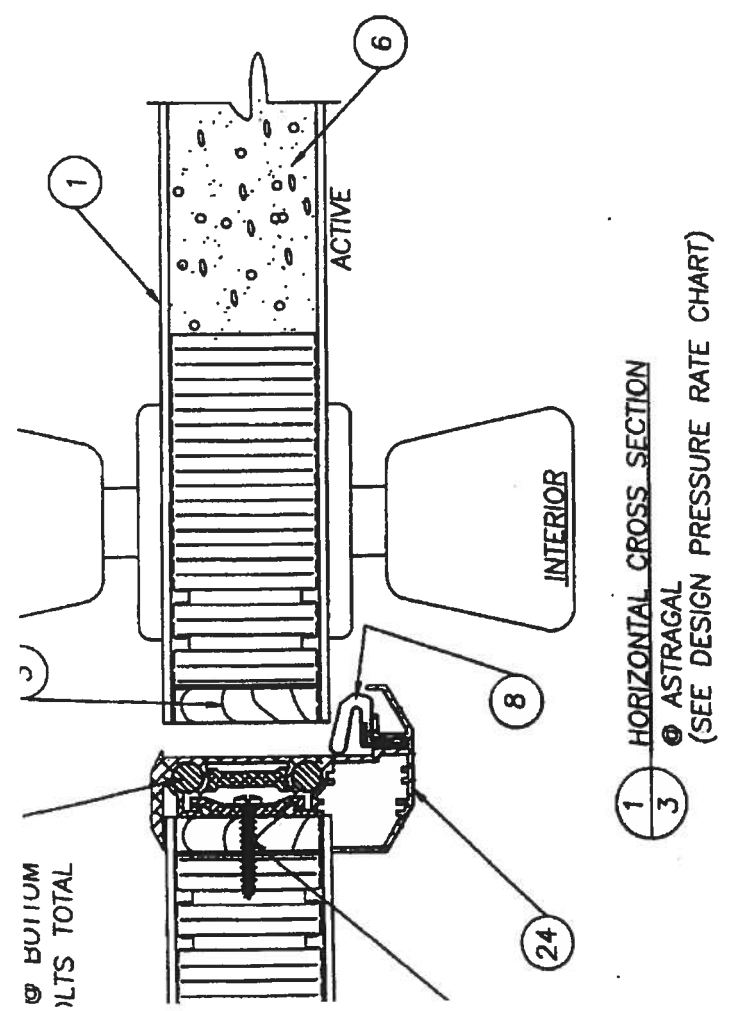
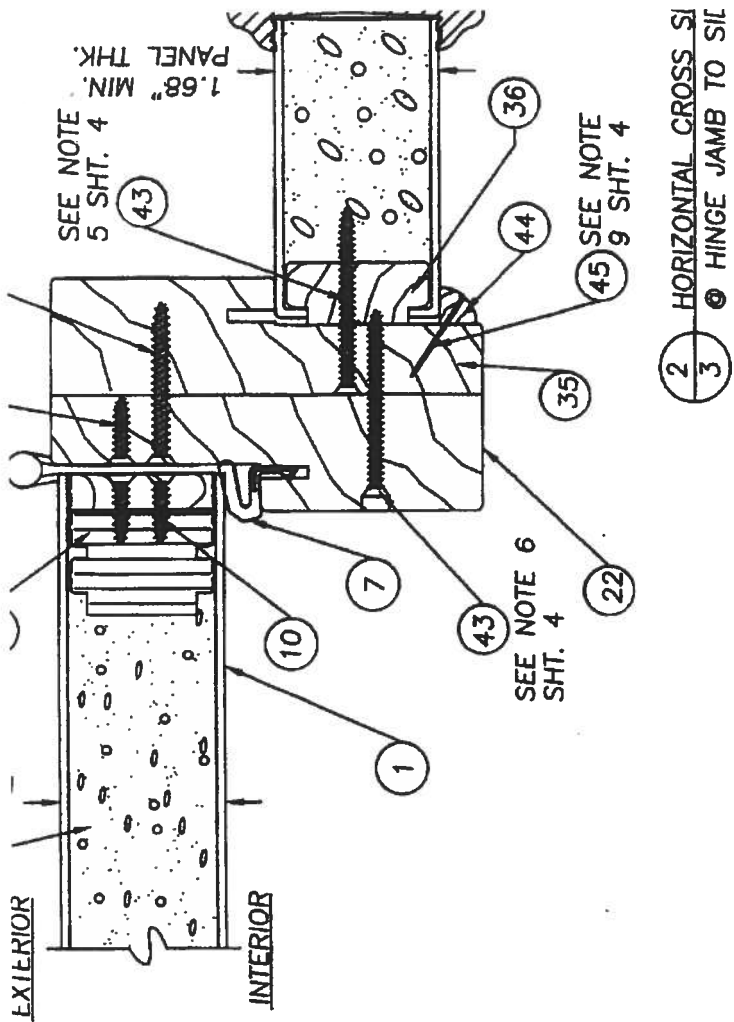
GENERAL NOTES

DESIGN PRESSURE RATING

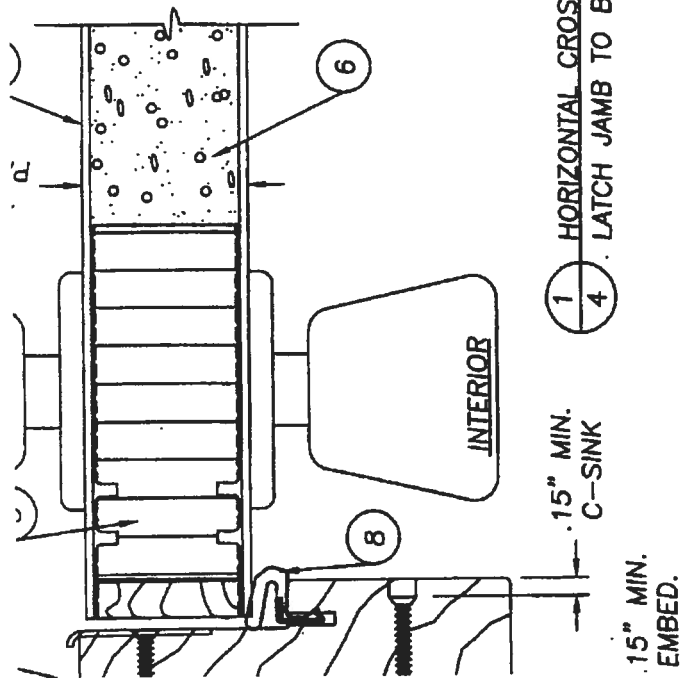


4	HINGE STILE (THERMA-TRU, LVL OR LSL & OAK 1.50" x
5	BOTTOM RAIL (1.50" x .94" THERMA-TRU WOOD COMPOSITE)
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSITY)
7	SHORT REACH COMPRESSION WEATHERSTRIP (THERMA-TRU)
8	LONG REACH COMPRESSION WEATHERSTRIP (THERMA-TRU)
9	4" x 4" HINGE .097" THK. (THERMA-TRU)
10	#10 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)
20	(NOT FOR USE IN "HIGH VELOCITY HURRICANE ZONES"
21	HEADER 4.656" x 1.211" (THERMA-TRU, PINE)
22	4.563" x 1.25" STRIKE JAMB (THERMA-TRU, PINE)
23	4.563" x 1.25" HINGE JAMB (THERMA-TRU, PINE)
24	KWIKSET TITAN 700 SERIES DEADBOLT
25	ASTRAGAL WINDJAMBER II WR80T (.052" WALL)
26	GLAZING, 1/2" INSULATED TEMPERED GLASS
27	NOT USED
28	#8 x 1" LG. PANHEAD SHEET METAL SCREW
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 4
39	HIGH WATER DAM THRESHOLD
40	(USE IS REQUIRED IN "HIGH VELOCITY HURRICANE ZONES
41	SILICONE CAULK (DOW 795)
42	#8-10 x 1 1/2" PLASCREW (FOR ITEM #34)
43	SIDELITE TOP & BOTTOM RAIL (THERMA-TRU, 1.531" x .656"
44	#8 x 2" LG. PFH WOOD SCREW
45	3/8" x 3/8" QUARTER ROUND FINGER JOINTED PINE
46	1" L. x .040" DIA. BRAD TRIM NAIL
47	IMS SURFACE BOLT #454 8.0" L. x .25" THK. STEEL
48	1/4-20 SEX BOLT W/1/4-20 FEMALE END x 1 3/4" L.

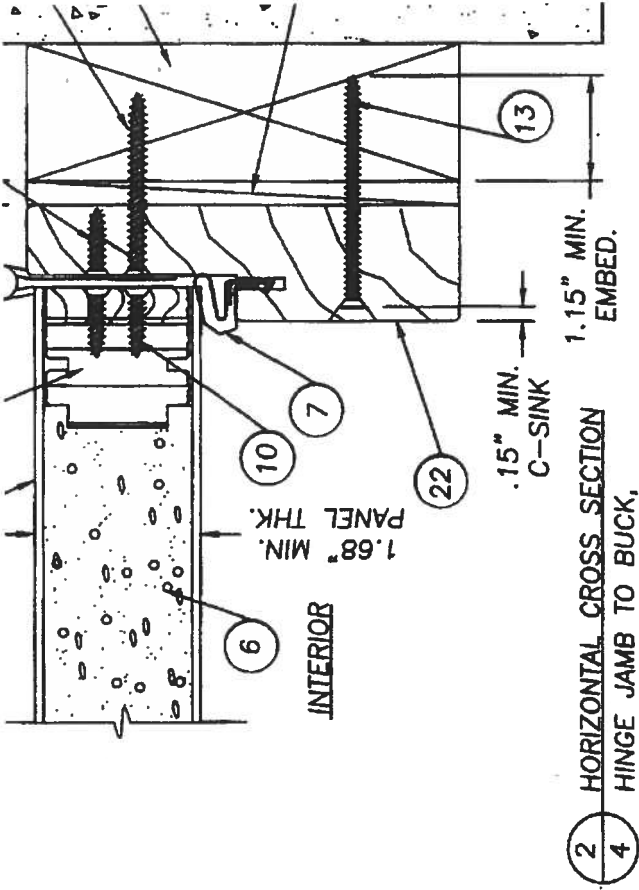




DETAIL "A"
OPTIONAL SURFACE BOLTS IN ACTIVE
(SEE DESIGN PRESSURE CHART)



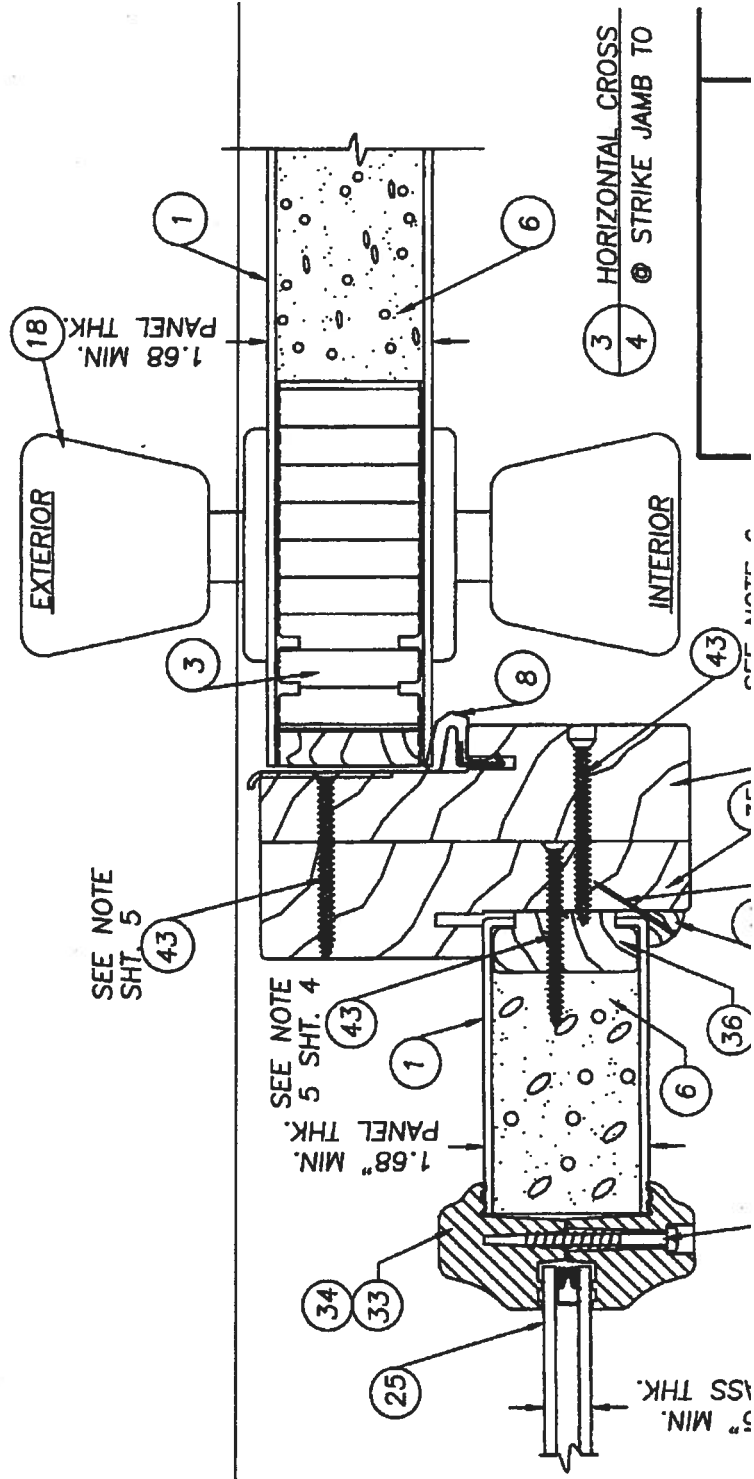
1 HORIZONTAL CROSS SECTION
4 LATCH JAMB TO BUCK,



2 HORIZONTAL CROSS SECTION
4 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 DOWN 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



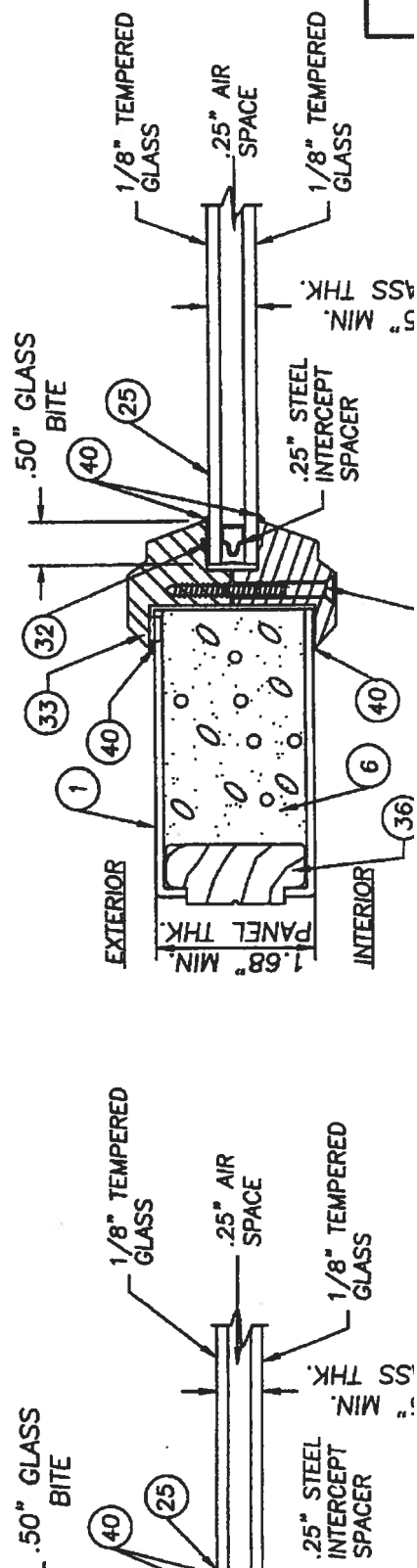
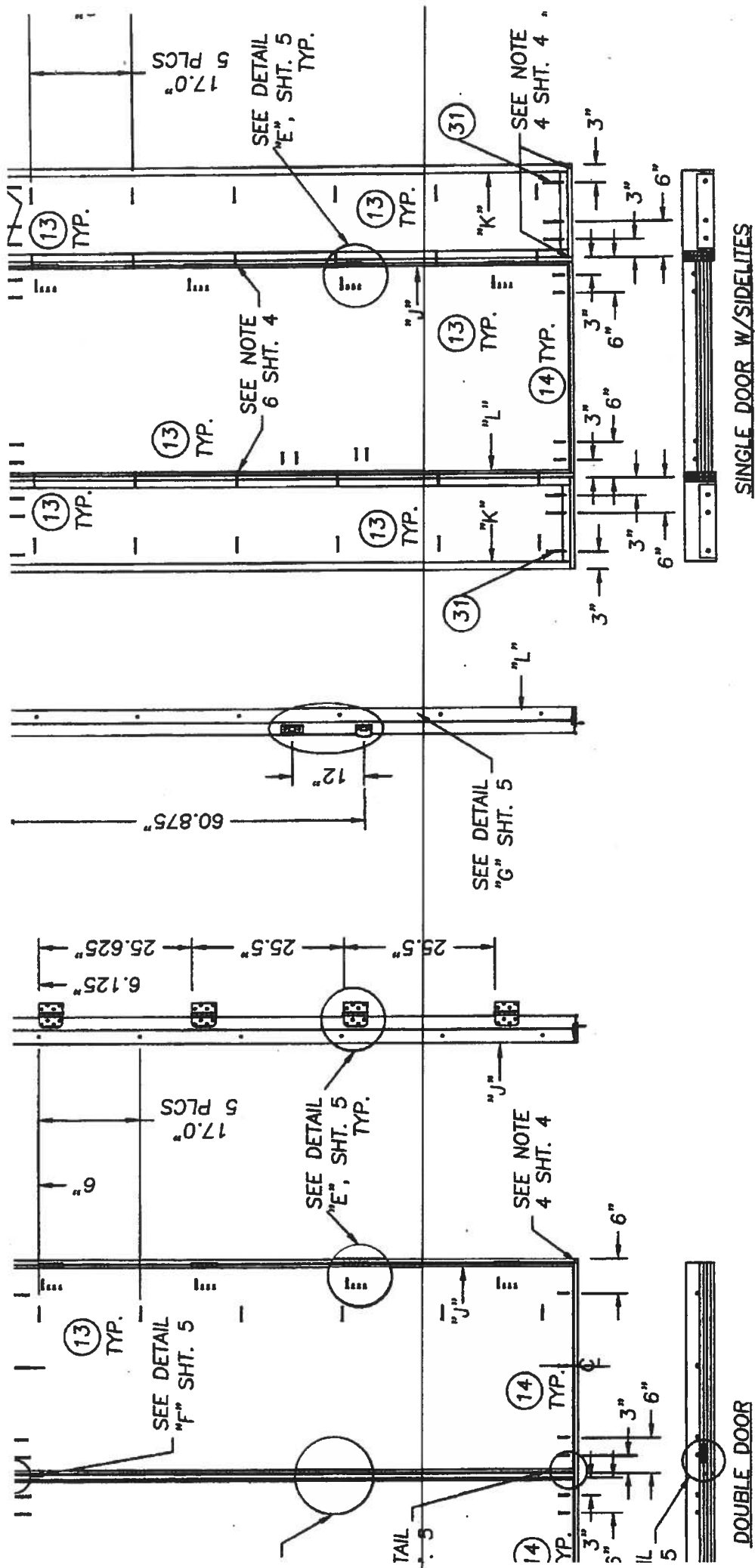
SEE NOTE
SHT. 5

SEE NOTE
5 SHT. 4



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

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



E

7

1.50"

1.089"

2 TOP RAIL
WOOD COMPOSITE

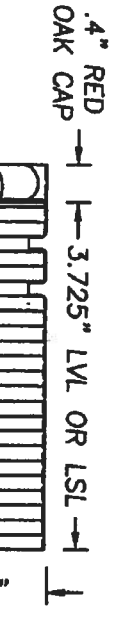
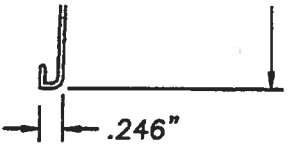


.526"

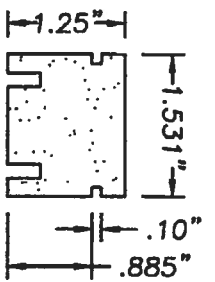
33 PL

34 PLASTIC LIP LITE FRAME
EXTRUDED SMC

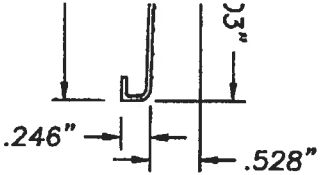
HINGE SIDE STILE
CORE MATERIAL: LVL OR LSL
ALTERNATE CORE MATERIAL: PONDEROSA,
RADIATA, PULAI, ELLIOTTI, TAEDA OR SUGAR
PINE, DOUGLAS OR WHITE FIR, CEDAR, INCENSE
CEDAR OR REDWOOD.



5 BOTTOM RAIL
WOOD COMPOSITE

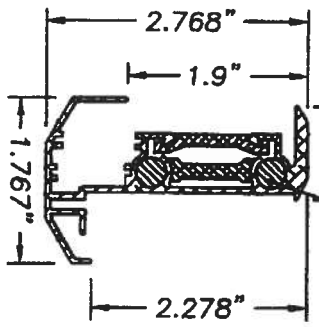


ZONES"

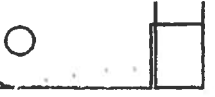


3 LATCH SIDE STILE/ LOCK BLOCK
LVL OR LSL W/ KILN DRIED RED OAK CAP

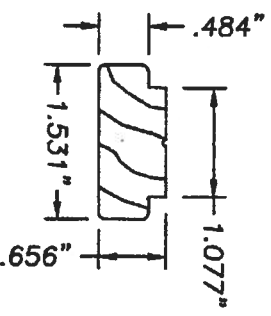
ASTRAGAL RETAINER BOLTS,
(2) 17.0" LG. X 0.3125" DIA.
TOP & (2) 8.0" LG. X
0.3125" DIA. BOTTOM
(4) BOLTS TOTAL



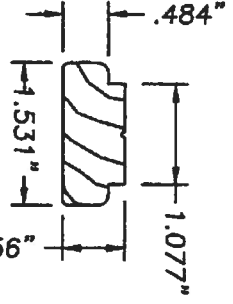
24 WINDJAMBER II WR80T
ASTRAGAL (ALUMINUM .052" WALL THK.)



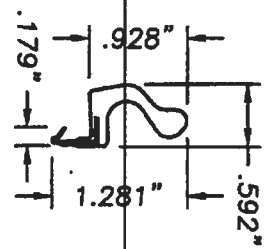
42 SIDELITE TOP & BOTTOM RAIL
FINGER JOINTED PONDEROSA PINE



36 SIDELITE BLANK SIDE STILE
FINGER JOINTED PONDEROSA PINE



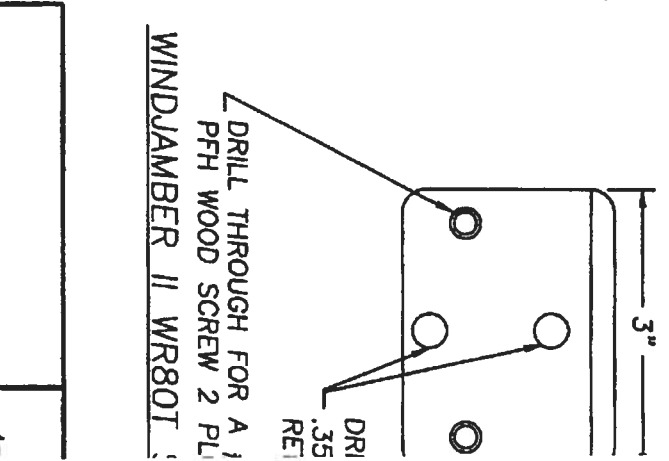
8 LONG REACH
COMPRESSION WEATHERSTRIP
FOAM CELL CORE
W/VINYL JACKET



7

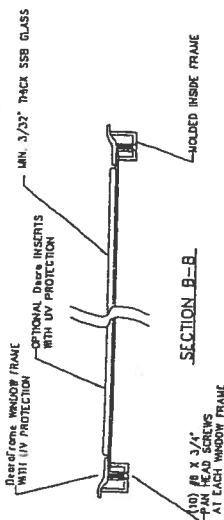
COMPRESSION BY
FOAM W/

WINDJAMBER II WR80T
DRILL THROUGH FOR A
PFH WOOD SCREW 2 PL



GLAZING OPTION CROSS SECTION

TEST NO. SBC-500-011 ON OCTOBER 12, 1985 INCLUDED GLASS WINDOWS IN THE DOOR BEING USED. THE TEST PRESSURES WERE 14.84 PSF AND -51.7 PSF. BY COMPARISON, FOUR (4) WINDOWS MAY BE INSTALLED IN ONE SECTION OF THE 8' X 7' AND 8' X 8' MODEL END AND END DOORS.



SECTION B-B

MIN. 3/32" THICK SSB GLASS

SLAKE TRACKS AT THIS LOCATION W/ (1) 1/4" DIA. LAG BOLTS & NUTS SECURE TO JAMB WITH (3) 5/16" DIA. #10-3/4" LAG BOLTS

BUILDING PLANS EXAMINER JAMB BRACKET ATTACHED TO TRACK SPREES-THIS PLAN ON JOE

MAY 17 2001

Building Planning Inspection Unit, Inc., FL
 Examiner: [Signature]
 License No. 1520

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

JAMB BRACKET LOCATIONS	A	B	C	D	E	F
6'-6"	4"	21-1/2"	39"	57"	70"	70"
7'-0"	4"	21-1/2"	42"	63"	76"	76"
7'-6"	4"	18"	36"	54"	72"	82"
8'-0"	4"	21-1/2"	39"	57"	75"	80"

- SPECIFICATIONS AND NOTES**
- DOORS AND HARDWARE SHALL BE DESIGNED, MANUFACTURED AND TESTED TO MEET THE REQUIREMENTS OF THE FOLLOWING:
 - DOOR SECTIONS SHALL BE 25 GA. GALV. STEEL FORMED TO MEET THE REQUIREMENTS OF THE FOLLOWING:
 - DOOR SECTIONS SHALL BE 25 GA. GALV. STEEL FORMED TO MEET THE REQUIREMENTS OF THE FOLLOWING:
 - DOORS UP TO 8' TALL SHALL BE 25 GA. GALV. STEEL FORMED TO MEET THE REQUIREMENTS OF THE FOLLOWING:
 - BY A REGISTERED ARCHITECT OR ENGINEER.
 - THE DOOR SHALL BE SUBSTANTIAL CONFORMANCE WITH THE FOLLOWING:
 - DOORS SHALL BE 25 GA. GALV. STEEL FORMED TO MEET THE REQUIREMENTS OF THE FOLLOWING:
 - DOORS SHALL BE 25 GA. GALV. STEEL FORMED TO MEET THE REQUIREMENTS OF THE FOLLOWING:
 - DOORS SHALL BE 25 GA. GALV. STEEL FORMED TO MEET THE REQUIREMENTS OF THE FOLLOWING:
 - DOORS SHALL BE 25 GA. GALV. STEEL FORMED TO MEET THE REQUIREMENTS OF THE FOLLOWING:

16 GA. GALV. RES. TOP ROLLER BRACKET (1) PER SECTION ATTACHED TO JAMB WITH (1) 1/4" DIA. LAG BOLT & NUT PER SET BRACKET

25 GA. MIN. EXTERIOR SINK IN JAMB WITH (1) 1/4" DIA. LAG BOLT & NUT PER SET BRACKET

2" X 20 GA. STRUTS (1) PER SECTION ATTACHED WITH (1) 1/4" X 3/4" HEX HEAD UNIV. SCREWS AT EACH STILL

GA. GALV. STEEL ATTACHED TO JAMB WITH (1) 1/4" X 3/4" HEX HEAD UNIV. SCREWS

BRIS BOTTOM BRACKET ATTACHED W/ (3) 1/4" X 3/4" HEX HEAD UNIV. SCREWS

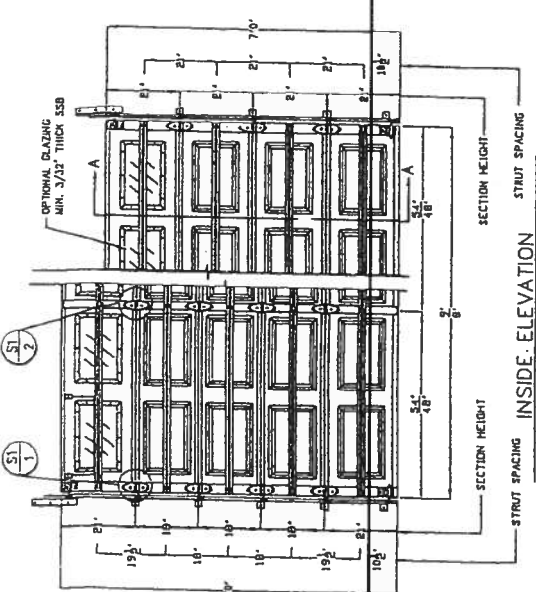
CON. ALUM. EXTRUSION W/ CONT. WAIL ASSTRAGA

SECTION A-A (SIDE VIEW)

WOOD JAMB ATTACHMENT TO STRUCTURE

NOTED FOR THE 100 MPH FASTEST-HALF BASIC WIND SPEEDS

- VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE**
- 5/16" X 3" LAG BOLTS STARTING 6" FROM END THEN 24" O.C.
- VERTICAL JAMB ATTACHMENT TO 2000 PSI CONCRETE
- 1/4" DIA. BOLT 3/4" X 4" STARTING 6" FROM END THEN 24" O.C.
- 1/4" DIA. BOLT 3/4" X 4" STARTING 6" FROM END THEN 24" O.C.
- VERTICAL JAMB ATTACHMENT TO 2000 PSI CONCRETE
- 1/4" DIA. BOLT 3/4" X 4" STARTING 6" FROM END THEN 24" O.C.
- 1/4" DIA. BOLT 3/4" X 4" STARTING 6" FROM END THEN 24" O.C.
- FASTENERS 12" APART AT 24" O.C.
- JAMBS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
- PREPARATION OF WOOD JAMBS BY OTHERS



INSIDE ELEVATION

SECTION HEIGHT

SECTION SPACING

STRUT SPACING

18 GA. GALV. STEEL INTR. HINGES

1/4" GA. GALV. STEEL ROLLER HINGES

(6) 1/4" X 3/4" HEX HEAD UNIV. SCREWS PER ROLLER BRACKET

NYLON OR STEEL ROLLER 1/2" STEEL

STOP HINGING W/ FLEXIBLE SEAL (SUPPLIED BY INSTALLER)

20 GA. GALV. STEEL END STILL

2 X 6 SOUTHERN YELLOW PINE (NO. 2 OR BETTER)

2" GA. V. STEEL TRACK THICKNESS .063"

7/16" DIA. BOLT (1) PER ROLLER

1/4" DIA. BOLT (1) PER ROLLER

1/4" DIA. BOLT (1) PER ROLLER

1/4" DIA. BOLT (1) PER ROLLER

1/4" DIA. BOLT (1) PER ROLLER

1/4" DIA. BOLT (1) PER ROLLER

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1/4" DIA. BOLT (1) PER ROLLER

1/4" DIA. BOLT (1) PER ROLLER

1/4" DIA. BOLT (1) PER ROLLER

TYP. ROLLER BRACKET

N.T.S.

TYP. HINGE CONNECTION

N.T.S.

2

1

2

1

2

1

2

1

2

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1

TRACK MOUNTING DETAIL

2" GA. V. STEEL TRACK THICKNESS .063"

7/16" DIA. BOLT (1) PER ROLLER

1/4" DIA. BOLT (1) PER ROLLER

1/4" DIA. BOLT (1) PER ROLLER

1/4" DIA. BOLT (1) PER ROLLER

1/4" DIA. BOLT (1) PER ROLLER

1/4" DIA. BOLT (1) PER ROLLER

1/4" DIA. BOLT (1) PER ROLLER

1/4" DIA. BOLT (1) PER ROLLER

1/4" DIA. BOLT (1) PER ROLLER

1/4" DIA. BOLT (1) PER ROLLER



January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO'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 Building Code TAS 100 for wind driven rain.

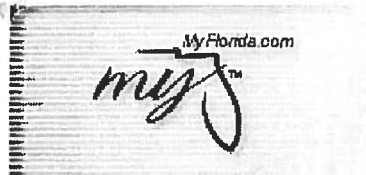
- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

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.

DEC 27 2006

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10:14:45 AM 8/24/2006

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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:

License Location:

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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LATERAL TOE-NAIL DETAIL

ST-TOENAIL

MiTek Industries, Chesterfield, MO Page 1 of 1

NOTES:

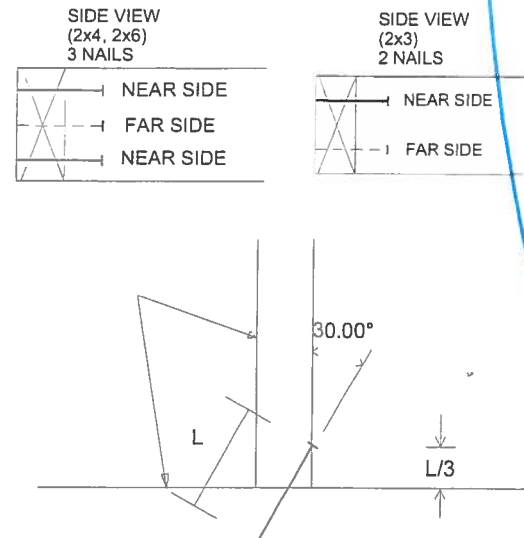
1. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 30 DEGREES WITH THE MEMBER AND STARTED 1/3 THE LENGTH OF THE NAIL FROM THE MEMBER END AS SHOWN.
2. THE END DISTANCE, EDGE DISTANCE, AND SPACING OF NAILS SHALL BE SUCH AS TO AVOID UNUSUAL SPLITTING OF THE WOOD.
3. ALLOWABLE VALUE SHALL BE THE LESSER VALUE OF THE BOTTOM CHORD SPECIES FOR MEMBERS OF DIFFERENT SPECIES.

TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)

	DIAM.	SYP
3.5" LONG	.131	83.3
	.135	89.6
	.162	118.3
3.25" LONG	.128	80.5
	.131	83.3
	.148	102.1
3.0" LONG	.120	70.5
	.128	80.5
	.131	83.3
	.148	102.1

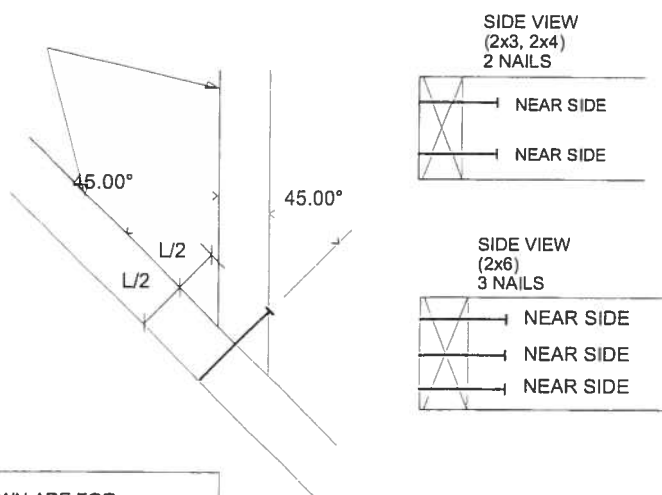
VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

SQUARE CUT



45 DEGREE ANGLE BEVEL CUT

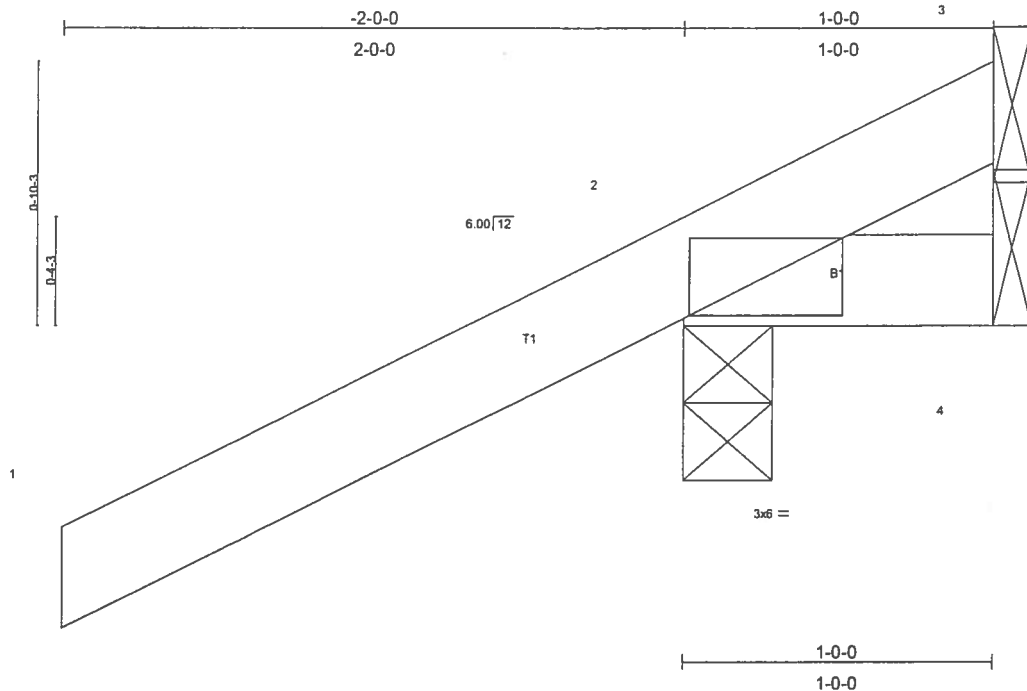
This detail may only be applied to Pre-engineered truss drawings signed and sealed by Structural Engineering and Inspections Inc.



VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

The seal on this drawing indicates acceptance of professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any particular building design is the responsibility of the building designer.

Job L221410	Truss CJ1	Truss Type MONO TRUSS	Qty 12	Ply 1	GIEBEIG HOMES - LOT 9 CC
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 28 09:39:44 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.28	in (loc) l/defl l/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.01	Vert(LL) -0.00 2 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.00 2 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.00 3 n/a n/a		
	Code FBC2004/TPI2002			Weight: 7 lb	

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

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

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

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-69/75
BOT CHORD 2-4=0/0

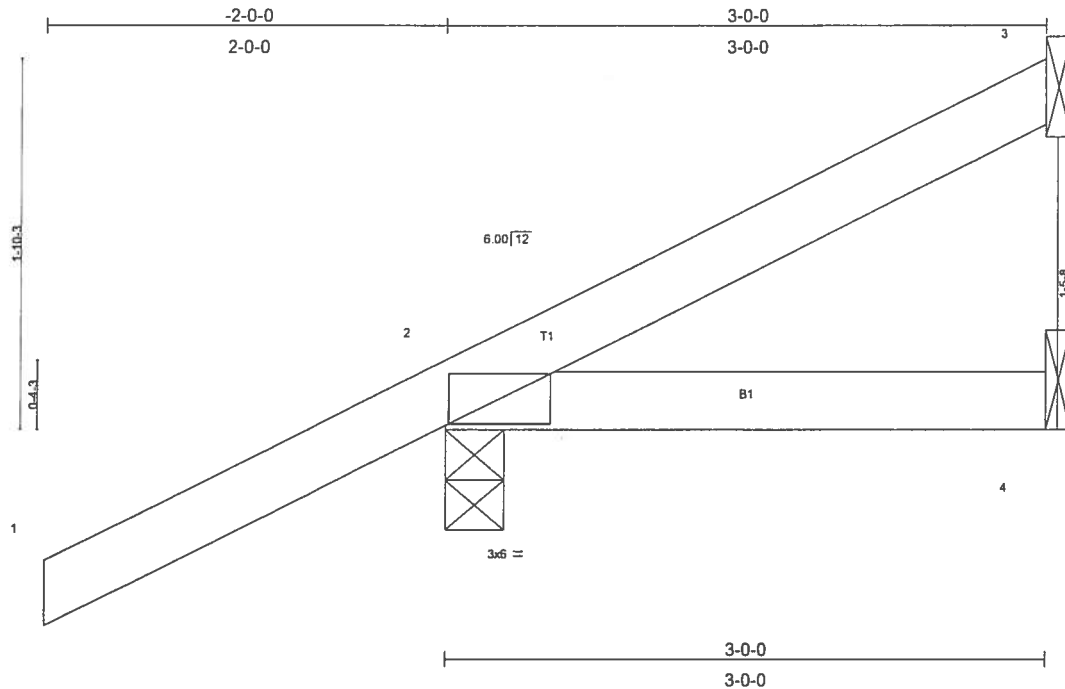
JOINT STRESS INDEX
2 = 0.14

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; TCDL=4.2psf; BCDL=3.0psf; Category II, Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 2, 9 lb uplift at joint 4 and 90 lb uplift at joint 3.

LOAD CASE(S) Standard

Job L221410	Truss CJ3	Truss Type MONO TRUSS	Qty 10	Ply 1	GIEBEIG HOMES - LOT 9 CC
Builders FirstSource, Lake City, FL 32055					Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 28 09:39:45 2006 Page 1



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.06	Vert(LL) -0.00 2-4 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.01 2-4 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2004/TPI2002			Weight: 13 lb	

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

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

REACTIONS (lb/size) 3=31/Mechanical, 2=278/0-3-8, 4=42/Mechanical
Max Horz 2=132(load case 5)
Max Uplift 3=-28(load case 6), 2=-203(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-57/7
BOT CHORD 2-4=0/0

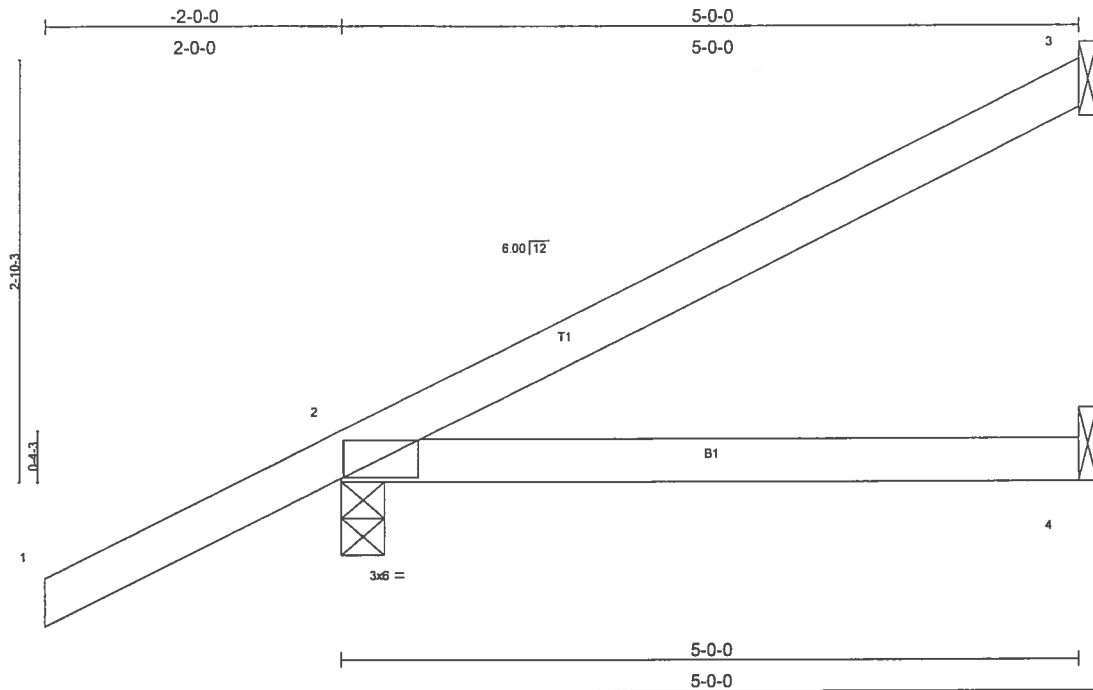
JOINT STRESS INDEX
2 = 0.13

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Bearings are assumed to be:
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 3 and 203 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L221410	Truss CJ5	Truss Type MONO TRUSS	Qty 10	Ply 1	GIEBEIG HOMES - LOT 9 CC
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 28 09:39:46 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.29	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.16	Vert(LL) -0.03 2-4 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.05 2-4 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2004/TPI2002			Weight: 19 lb	

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

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

REACTIONS (lb/size) 3=103/Mechanical, 2=343/0-3-8, 4=72/Mechanical
Max Horz 2=178(load case 5)
Max Uplift 3=-87(load case 5), 2=-199(load case 5)

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

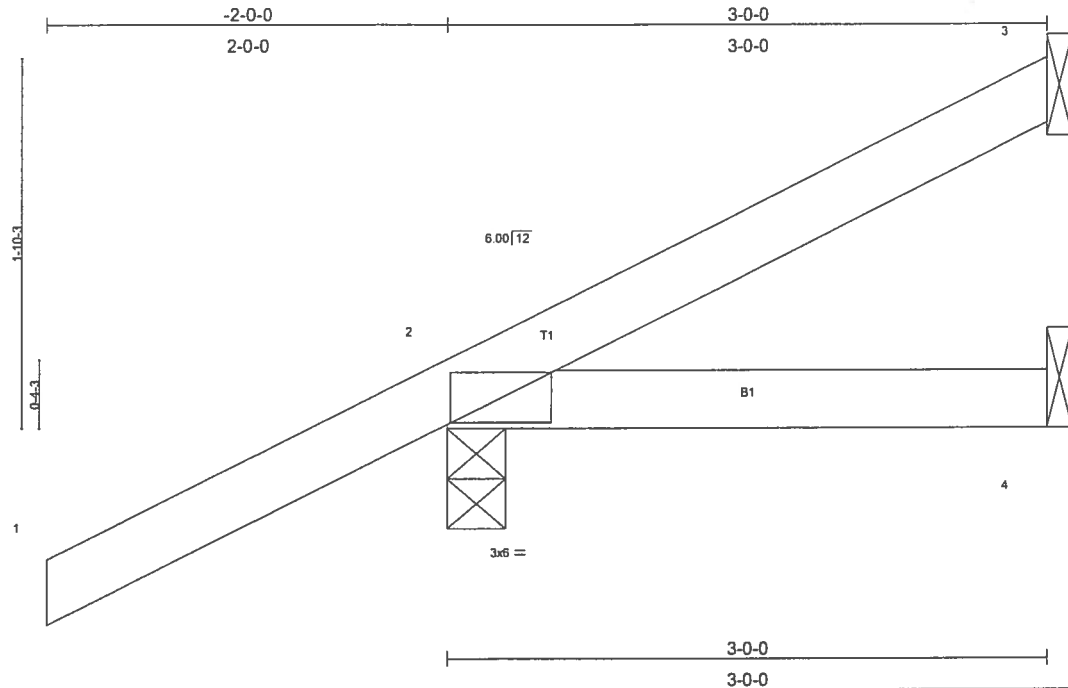
JOINT STRESS INDEX
2 = 0.15

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; TCDL=4.2psf; BCDL=3.0psf; Category II, Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3 and 199 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L221410	Truss EJ3	Truss Type MONO TRUSS	Qty 1	Ply 1	GIEBEIG HOMES - LOT 9 CC
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 28 09:39:47 2006 Page 1		



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

LUMBER

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

BRACING

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

REACTIONS

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

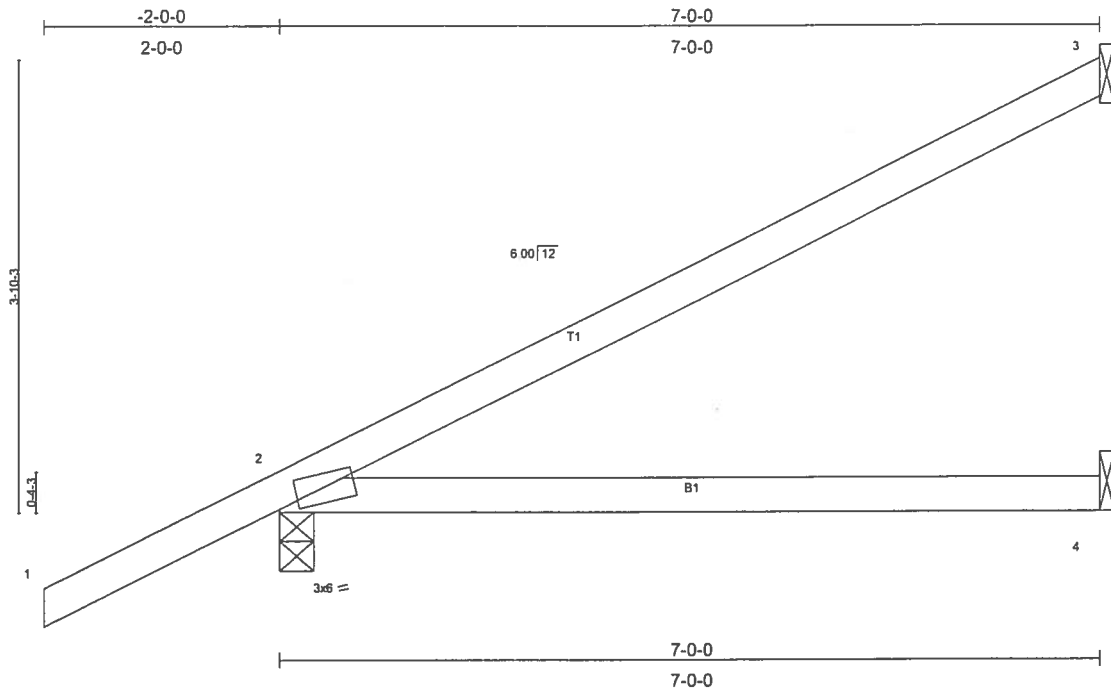
NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; TCDL=4.2psf; BCDL=3.0psf; Category III; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 3, 238 lb uplift at joint 2 and 27 lb uplift at joint 4.

LOAD CASE(S) Standard

Job L221410	Truss EJ7	Truss Type MONO TRUSS	Qty 19	Ply 1	GIEBEIG HOMES - LOT 9 CC
Builders FirstSource, Lake City, FL 32055			Job Reference (optional)		

6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 28 09:39:47 2006 Page 1



Scale = 1/18.9

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	L/def	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.44	Vert(LL)	-0.12	2-4	>664	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.35	Vert(TL)	-0.21	2-4	>397	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 26 lb	

LUMBER

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

BRACING

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

REACTIONS (lb/size) 3=162/Mechanical, 2=419/0-3-8, 4=104/Mechanical
Max Horz 2=224(load case 5)
Max Uplift 3=-134(load case 5), 2=-210(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/47, 2-3=-94/58
BOT CHORD 2-4=0/0

JOINT STRESS INDEX

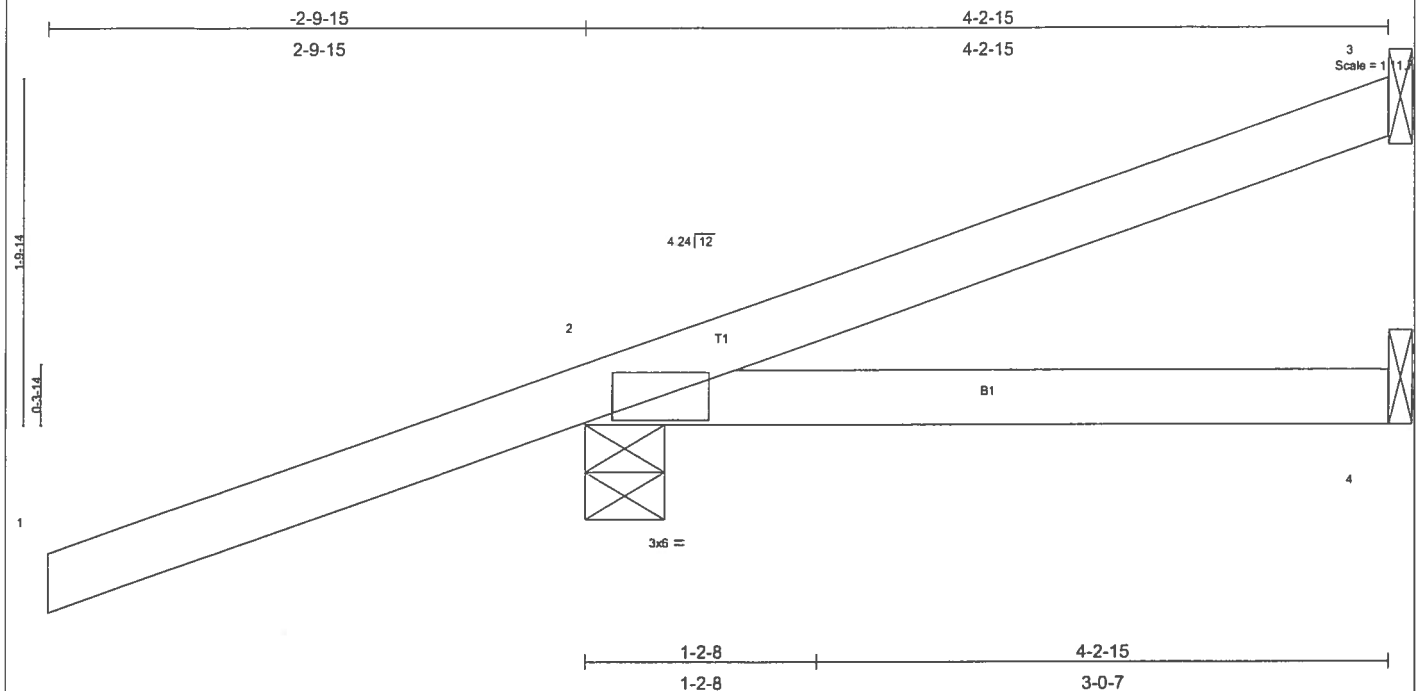
2 = 0.42

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; 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 mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 3 and 210 lb uplift at joint 2.

LOAD CASE(S) Standard

Job L221410	Truss HJ4	Truss Type MONO TRUSS	Qty 1	Ply 1	GIEBEIG HOMES - LOT 9 CC
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc Thu Dec 28 09:39:48 2006 Page 1		



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

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

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

REACTIONS (lb/size) 3=15/Mechanical, 2=289/0-4-15, 4=42/Mechanical
Max Horz 2=98(load case 2)
Max Uplift 3=-6(load case 5), 2=-302(load case 2), 4=-41(load case 2)
Max Grav 3=32(load case 6), 2=289(load case 1), 4=42(load case 1)

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

JOINT STRESS INDEX
2 = 0.11

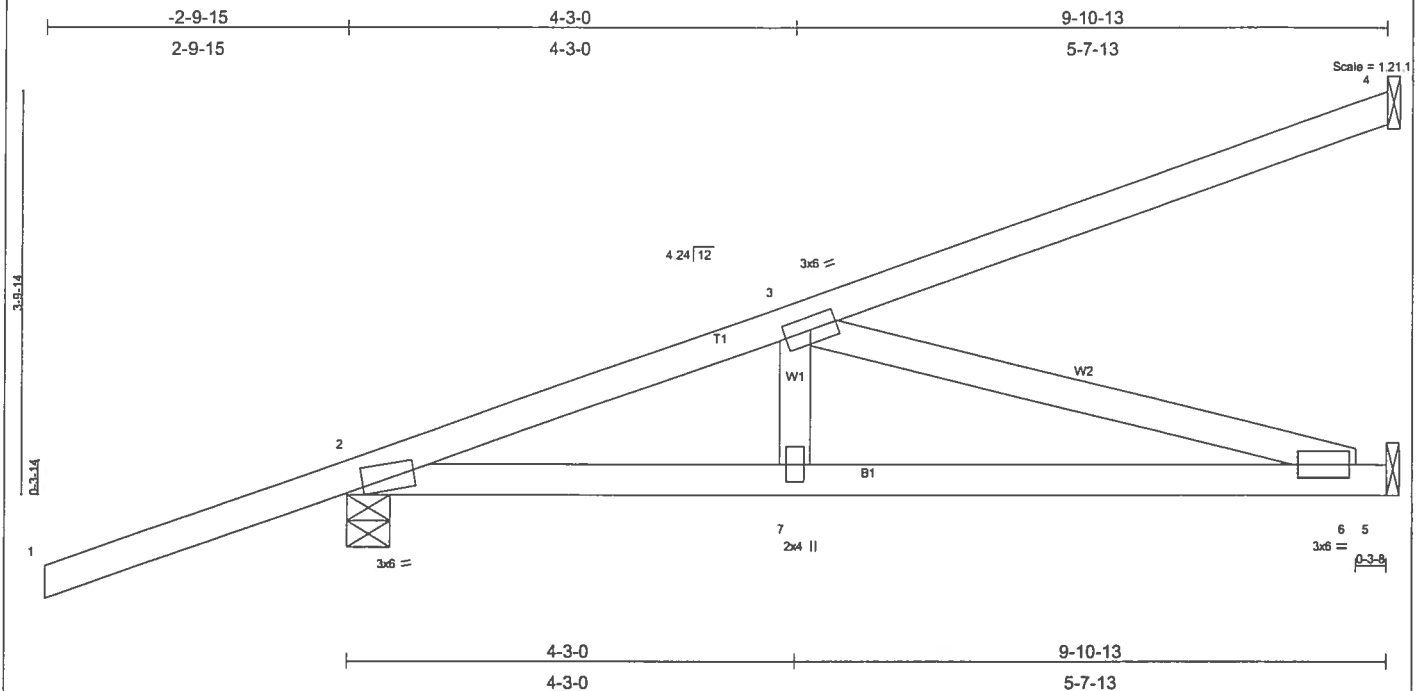
NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 6 lb uplift at joint 3, 302 lb uplift at joint 2 and 41 lb uplift at joint 4.
- 3) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Job L221410	Truss HJ9	Truss Type MONO TRUSS	Qty 5	Ply 1	GIEBEIG HOMES - LOT 9 CC
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 28 09:39:49 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 10-0-0 oc bracing.

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

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

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

NOTES

- 1) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- 2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 231 lb uplift at joint 4, 278 lb uplift at joint 2 and 63 lb uplift at joint 5.
- 3) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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)

Job L221410	Truss T01	Truss Type HIP	Qty 1	Ply 1	GIEBEIG HOMES - LOT 9 CC
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 Mittek Industries, Inc. Thu Dec 28 09:39:50 2006 Page 1		

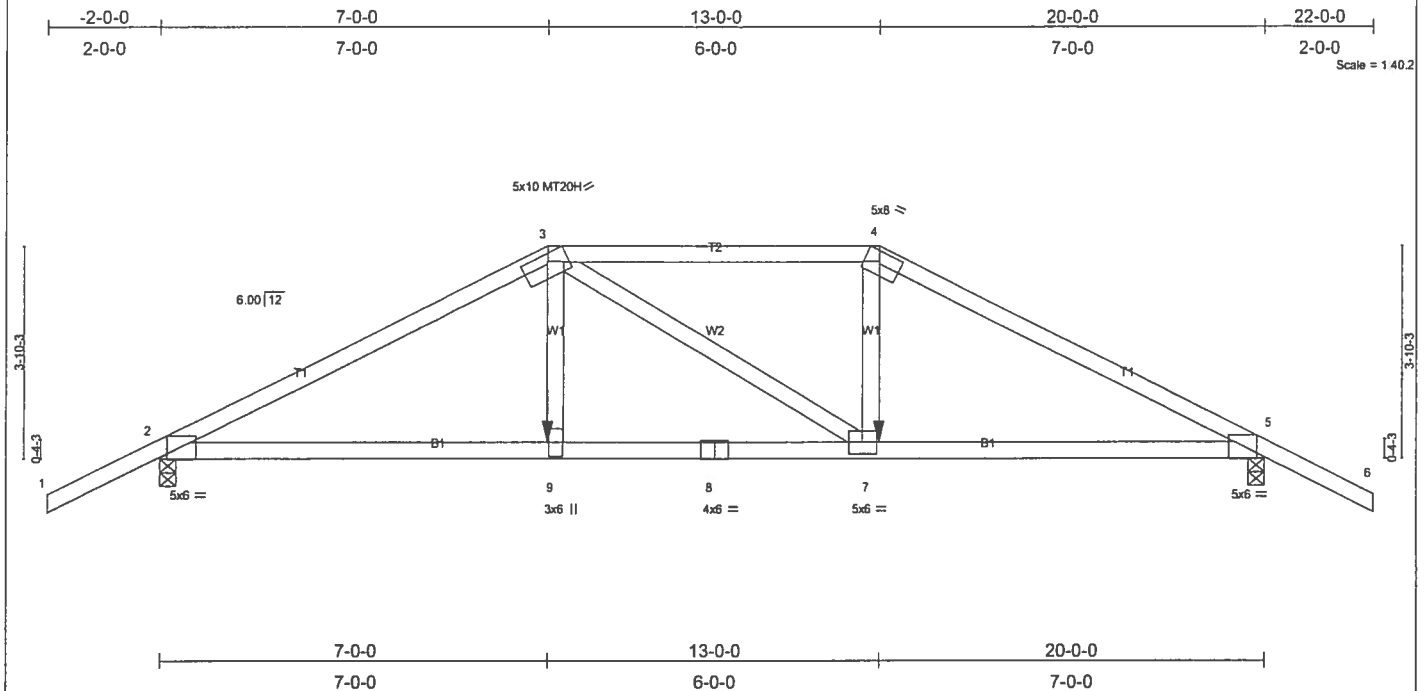


Plate Offsets (X,Y): [2:0-1-11,Edge], [3:0-5-12,0-1-12], [4:0-4-12,0-2-4], [5:0-1-11,Edge]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.59	in (loc) V/defl L/d	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.74	Vert(LL) -0.17 7-9 >999 240	MT20H	187/143
BCLL 10.0	Rep Stress Incr NO	WB 0.29	Vert(TL) -0.27 7-9 >871 180		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)	Horz(TL) 0.09 5 n/a n/a		
Weight: 88 lb					

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-1-13 oc purlins
 BOT CHORD Rigid ceiling directly applied or 6-0-7 oc bracing

REACTIONS (lb/size) 2=1774/0-3-8, 5=1774/0-3-8
 Max Horz 2=-87(load case 5)
 Max Uplift 2=-807(load case 4), 5=-807(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-3149/1275, 3-4=-2769/1213, 4-5=-3150/1275, 5-6=0/47
 BOT CHORD 2-9=-1075/2733, 8-9=-1084/2768, 7-8=-1084/2768, 5-7=-1033/2734
 WEBS 3-9=-220/849, 3-7=-124/127, 4-7=-241/901

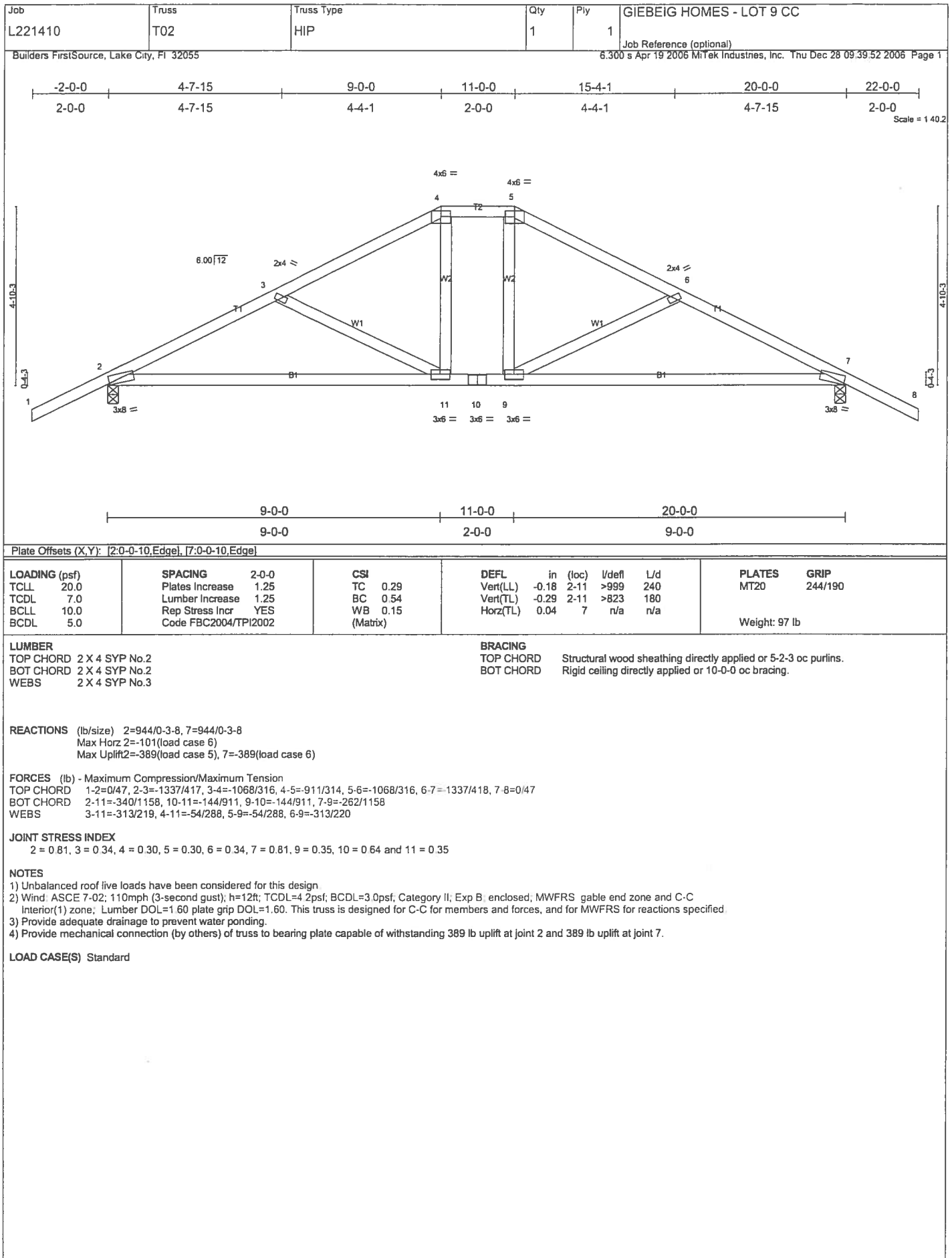
JOINT STRESS INDEX
 2 = 0.79, 3 = 0.96, 4 = 0.91, 5 = 0.79, 7 = 0.32, 8 = 0.99 and 9 = 0.28

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; TCDL=4 2psf; BCDL=3 0psf. Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- All plates are MT20 plates unless otherwise indicated.
- The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 3.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 807 lb uplift at joint 2 and 807 lb uplift at joint 5.
- Girder carries hip end with 7'-0" end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 13'-0", and 539 lb down and 277 lb up at 7'-0" on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert: 1-3=-54, 3-4=-118(F=-64), 4-6=-54, 2-9=-30, 7-9=-65(F=-35), 5-7=-30
 Concentrated Loads (lb)
 Vert: 9=539(F) 7=-539(F)



Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 9 CC
L221410	T03	COMMON	5	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6,300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 28 09:39:53 2006 Page 1		

6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 28 09:39:53 2006 Page 1

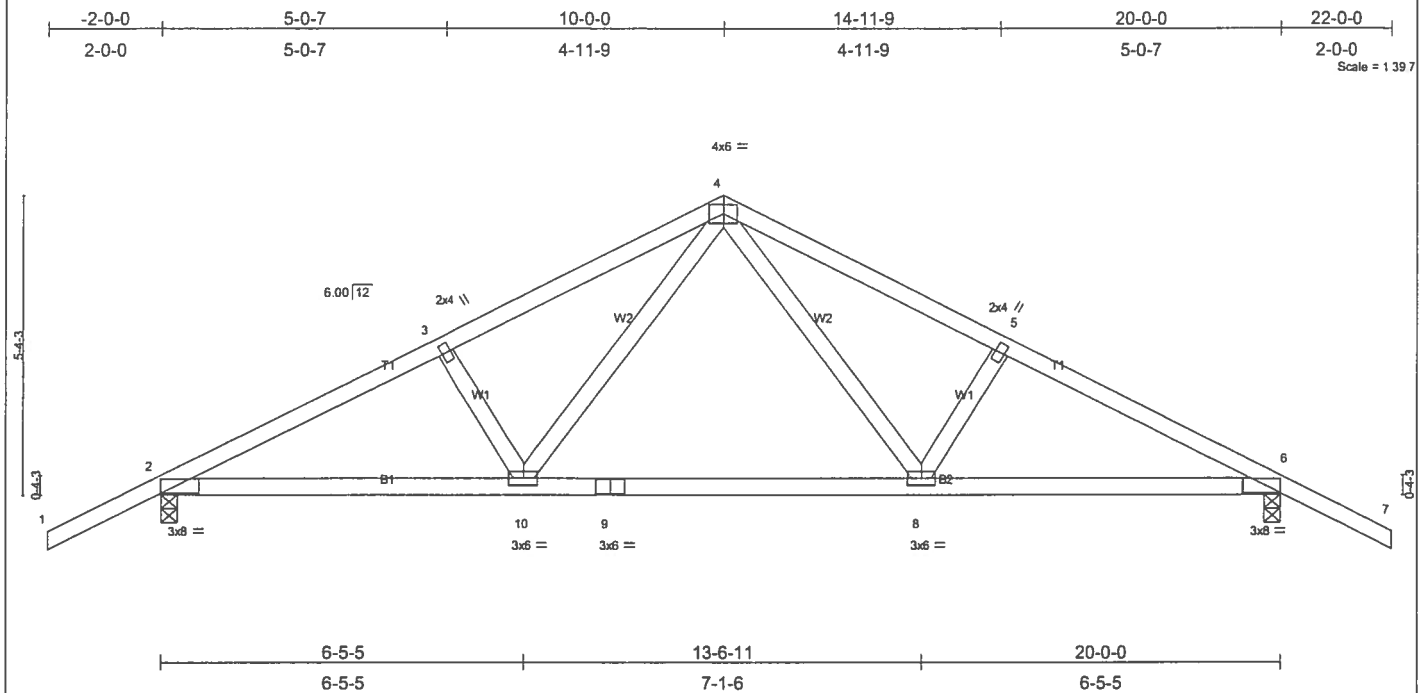


Plate Offsets (X,Y): [2:0-4-12,0-1-8], [6:0-4-12,0-1-8]									
LOADING (psf)		SPACING 2-0-0		CSI		DEFL		PLATES GRIP	
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.28 8-10 >852	L/d	240
TCDL	7.0	Lumber Increase	1.25	BC	0.95	Vert(TL)	-0.45 8-10 >527		180
BCLL	10.0	Rep Stress Incr	NO	WB	0.26	Horz(TL)	0.05 6 n/a	n/a	
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)					
								Weight: 96 lb	

DECEMBER 27, 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

Job L221410	Truss T04	Truss Type HIP	Qty 1	Ply 1	GIEBEIG HOMES - LOT 9 CC
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc Thu Dec 28 09:39:54 2006 Page 1		

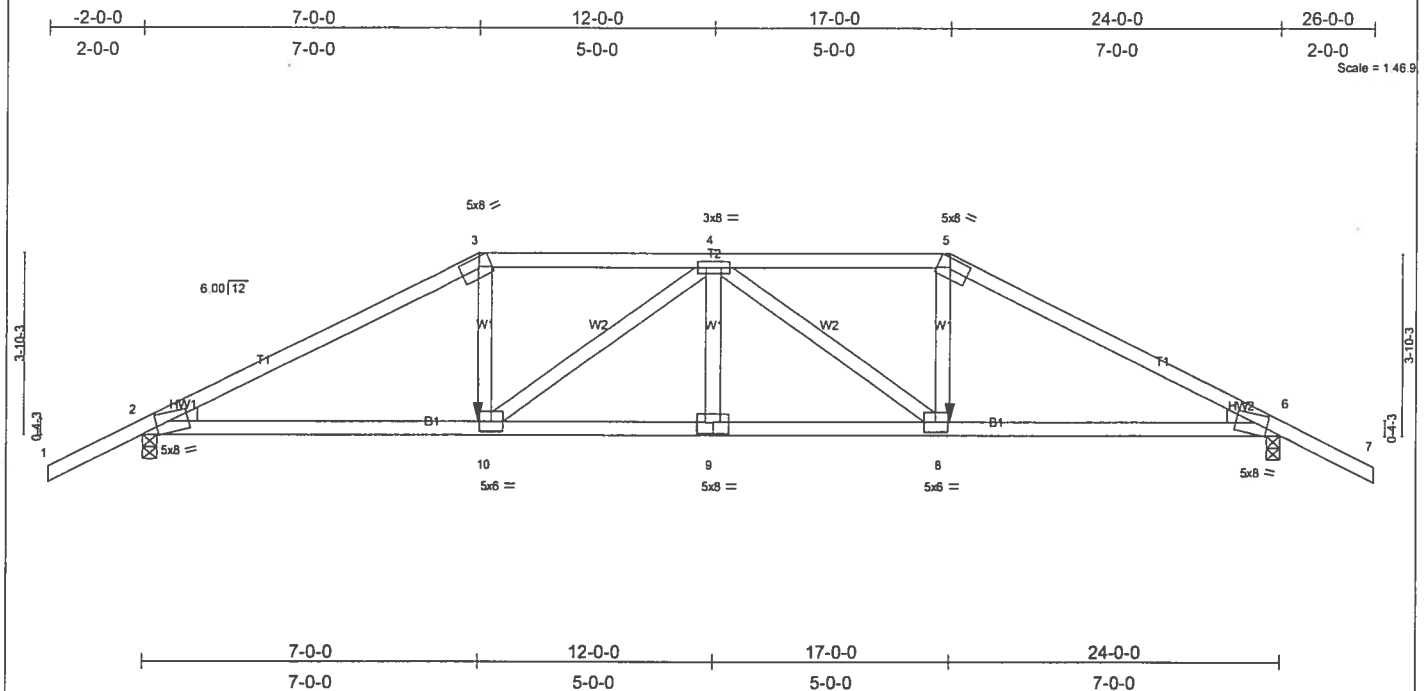


Plate Offsets (X,Y): [2:0-3-13,Edge], [3:0-4-12,0-2-4], [5:0-4-12,0-2-4], [6:0-3-13,Edge], [9:0-4-0,0-3-0]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	V/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.61	Vert(LL)	-0.23	9-10	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.94	Vert(TL)	-0.38	9-10	>754	180		
BCLL 10.0	Rep Stress Incr	NO	WB 0.53	Horz(TL)	0.14	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
									Weight: 114 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
 WEDGE
 Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 2-9-2 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 4-10-7 oc bracing.

REACTIONS (lb/size) 2=2140/0-3-8, 6=2140/0-3-8
 Max Horz 2=87(load case 4)
 Max Uplift 2=-946(load case 4), 6=-946(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-3924/1595, 3-4=-3470/1480, 4-5=-3470/1480, 5-6=-3924/1595, 6-7=0/47
 BOT CHORD 2-10=-1379/3418, 9-10=-1677/4064, 8-9=-1677/4064, 6-8=-1338/3418
 WEBS 3-10=-468/1313, 4-10=-848/438, 4-9=0/309, 4-8=-848/438, 5-8=-468/1313

JOINT STRESS INDEX

2 = 0.86, 3 = 0.76, 4 = 0.57, 5 = 0.76, 6 = 0.86, 8 = 0.46, 9 = 0.89 and 10 = 0.46

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 946 lb uplift at joint 2 and 946 lb uplift at joint 6.
- Girder carries hip end with 7-0-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 17-0-0, 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.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

- Regular: Lumber Increase=1.25, Plate Increase=1.25
 Uniform Loads (plf)
 Vert 1-3=-54, 3-5=-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)

Job L221410	Truss T05	Truss Type HIP	Qty 1	Ply 1	GIEBEIG HOMES - LOT 9 CC
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 28 09:39:55 2006 Page 1		

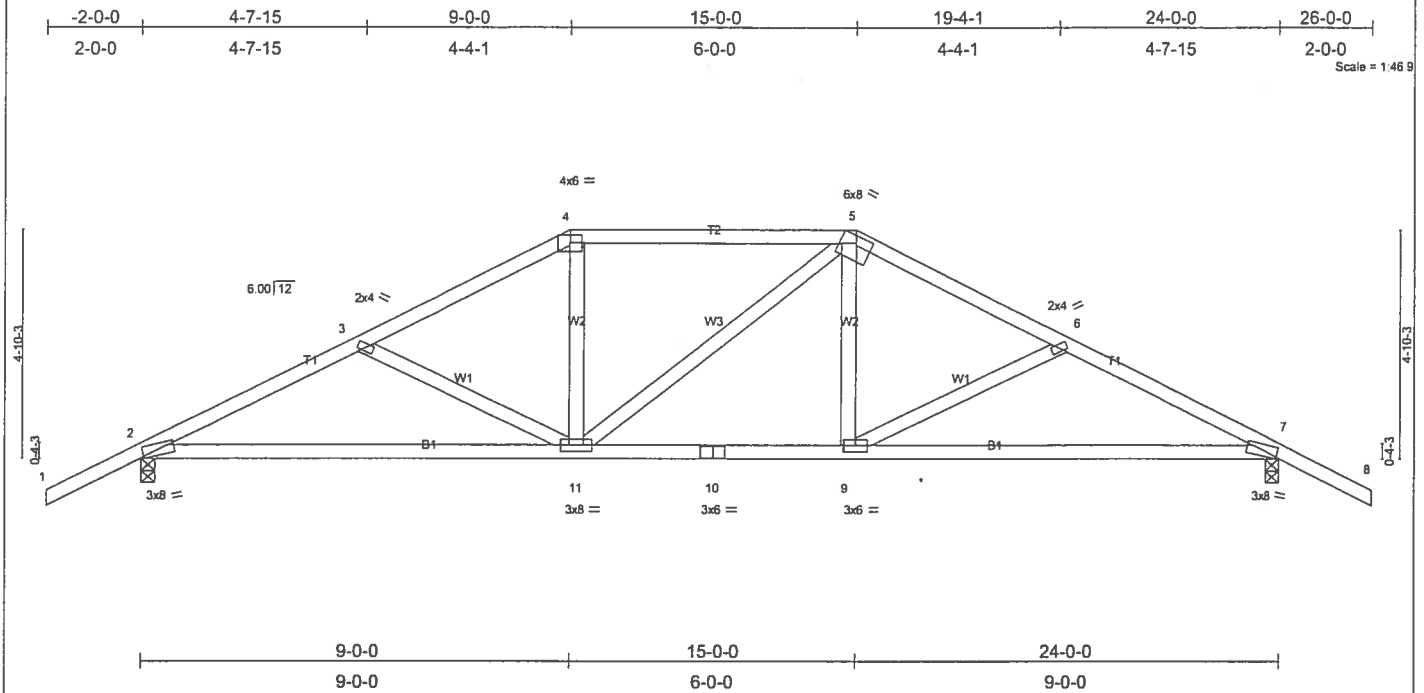


Plate Offsets (X,Y): [2:0-0-10,Edge], [5:0-4-0,0-1-15], [7:0-0-10,Edge]					
LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc) l/defl L/d
TCLL 20.0	Plates Increase	1.25	TC 0.29	Vert(LL) -0.18	7-9 >999 240
TCDL 7.0	Lumber Increase	1.25	BC 0.49	Vert(TL) -0.31	7-9 >925 180
BCLL 10.0	Rep Stress Incr	YES	WB 0.12	Horz(TL) 0.05	7 n/a n/a
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)		
					Weight: 119 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 9-8-14 oc bracing.

REACTIONS (lb/size) 2=1112/0-3-8, 7=1112/0-3-8
 Max Horz 2=-101(load case 6)
 Max Uplift 2=-430(load case 5), 7=-430(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1684/503, 3-4=-1439/401, 4-5=-1252/406, 5-6=-1438/401, 6-7=-1684/503, 7-8=0/47
 BOT CHORD 2-11=-414/1463, 10-11=-202/1252, 9-10=-202/1252, 7-9=-318/1463
 WEBS 3-11=-247/199, 4-11=-42/328, 5-11=-110/112, 5-9=-37/328, 6-9=-248/199

JOINT STRESS INDEX
 2 = 0.81, 3 = 0.34, 4 = 0.55, 5 = 0.48, 6 = 0.34, 7 = 0.81, 9 = 0.35, 10 = 0.46 and 11 = 0.57

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; TCCL=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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 430 lb uplift at joint 2 and 430 lb uplift at joint 7.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 9 CC
L221410	T06	HIP	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6/30/06 Apr 19 2006 M/Tak Industries, Inc. Thu Dec 28 09:39:56 2006 Page 1		

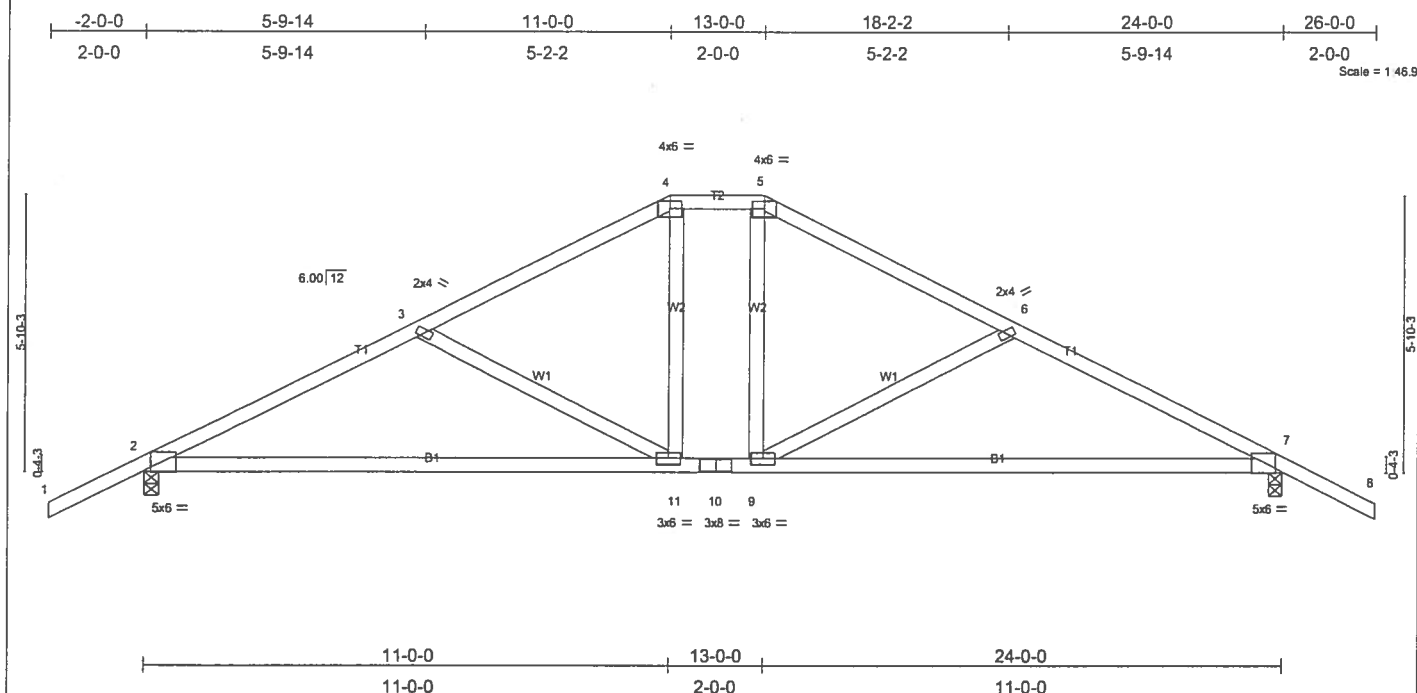


Plate Offsets (X,Y): [2:0-1-11,Edge], [7:0-1-11,Edge]									
LOADING (psf)		SPACING 2-0-0		CSI		DEFL in (loc) l/defl L/d		PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	-0.37 7-9 >762	240	MT20
TCDL	7.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.61 7-9 >470	180	244/190
BCLL	10.0	Rep Stress Incr	YES	WB	0.27	Horz(TL)	0.05 7 n/a	n/a	
BCDL	5.0	Code FBC2004/TP12002		(Matrix)					
									Weight: 116 lb

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

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 4-4-7 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 9-5-7 oc bracing.

REACTIONS (lb/size) 2=1112/0-3-8, 7=1112/0-3-8
Max Horz 2=-115(load case 6)
Max Uplift 2=-443(load case 5), 7=-443(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1628/523, 3-4=-1291/393, 4-5=-1098/388, 5-6=-1291/393, 6-7=-1628/523, 7-8=0/47
BOT CHORD 2-11=-437/1414, 10-11=-186/1098, 9-10=-186/1098, 7-9=-334/1414
WEBS 3-11=-399/285, 4-11=-75/368, 5-9=-74/368, 6-9=-399/286

JOINT STRESS INDEX
2 = 0.72, 3 = 0.34, 4 = 0.42, 5 = 0.42, 6 = 0.34, 7 = 0.72, 9 = 0.35, 10 = 0.95 and 11 = 0.35

NOTES

- NOTES
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 443 lb uplift at joint 2 and 443 lb uplift at joint 7.

LOAD CASE(S) Standard

DECEMBER 27, 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

Job L221410	Truss T07	Truss Type COMMON	Qty 2	Ply 1	GIEBEIG HOMES - LOT 9 CC
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 28 09:39:57 2006 Page 1		

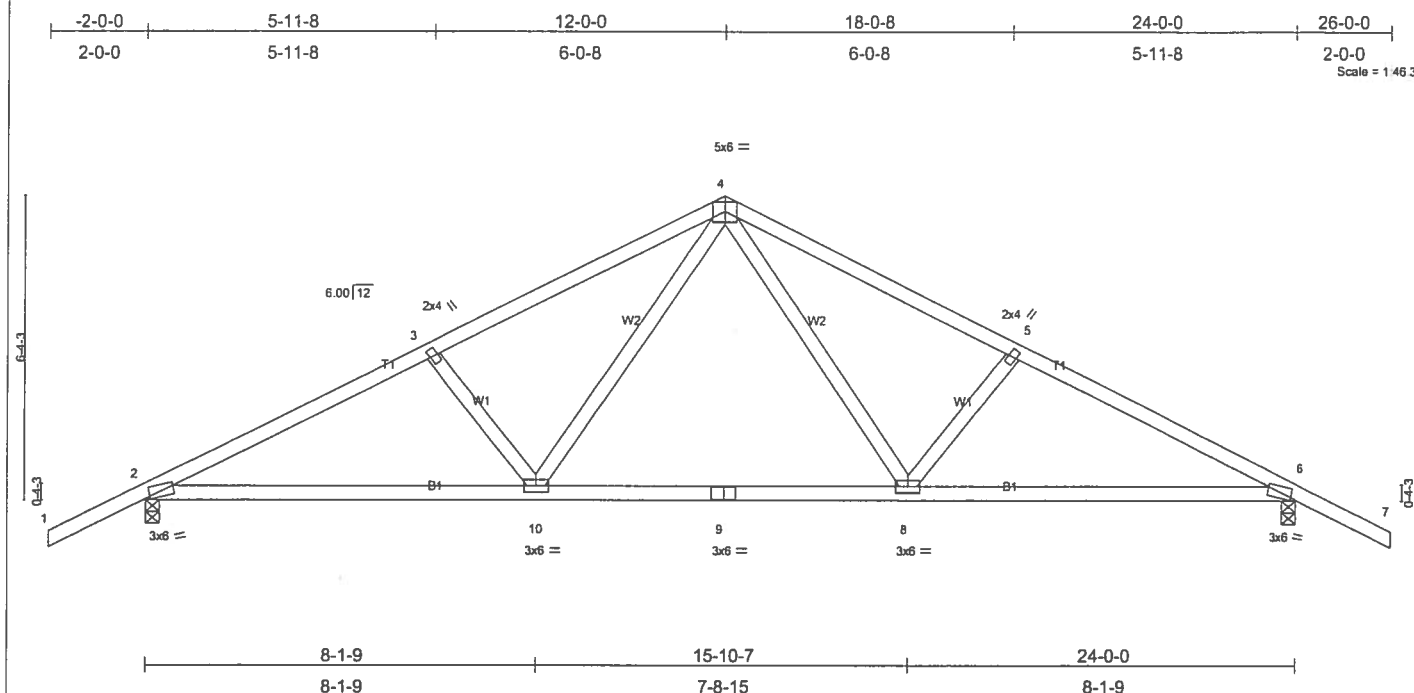


Plate Offsets (X,Y): [2:0-1-5,0-0-7], [6:0-1-5,0-0-7]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.29	Vert(LL)	-0.13	2-10	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.46	Vert(TL)	-0.21	2-10	>999	180		
BCLL 10.0	Rep Stress Incr	YES	WB 0.19	Horz(TL)	0.05	6	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)							
Weight: 114 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 4-7-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-5-9 oc bracing.

REACTIONS (lb/size) 2=1112/0-3-8, 6=1112/0-3-8
Max Horz 2=122(load case 5)
Max Uplift 2=-449(load case 5), 6=-449(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1694/523, 3-4=-1501/501, 4-5=-1501/501, 5-6=-1694/523, 6-7=0/47
BOT CHORD 2-10=-444/1449, 9-10=-194/974, 8-9=-194/974, 6-8=-338/1449
WEBS 3-10=-305/255, 4-10=-178/579, 4-8=-178/579, 5-8=-305/255

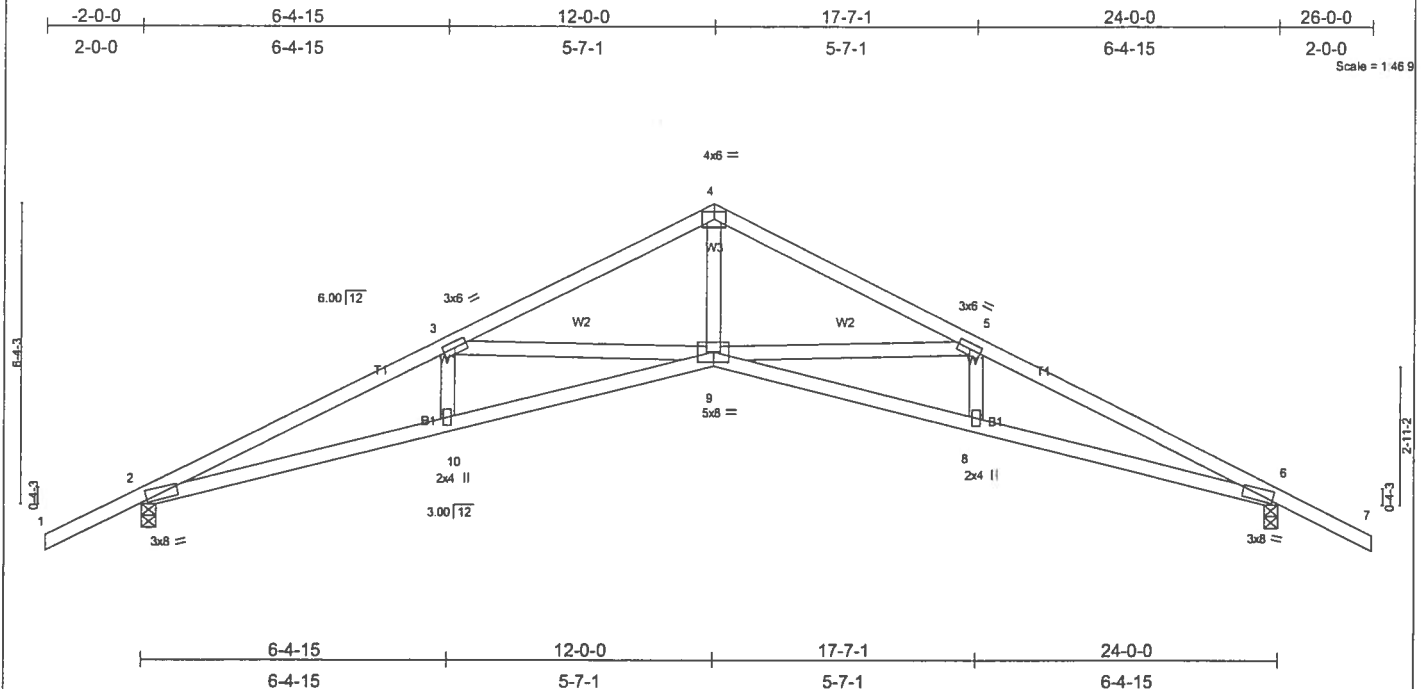
JOINT STRESS INDEX
2 = 0.79, 3 = 0.34, 4 = 0.40, 5 = 0.34, 6 = 0.79, 8 = 0.44, 9 = 0.46 and 10 = 0.44

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 449 lb uplift at joint 2 and 449 lb uplift at joint 6.

LOAD CASE(S) Standard

Job L221410	Truss T08	Truss Type SCISSOR	Qty 5	Ply 1	GIEBEIG HOMES - LOT 9 CC
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 28 09:39:58 2006 Page 1		



LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.37	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.63	Vert(LL) -0.30 9-10 >945 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.52	Vert(TL) -0.48 9-10 >588 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.35 6 n/a n/a		
	Code FBC2004/TPI2002			Weight: 108 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 3-2-14 oc purlins.
 BOT CHORD Rigid ceiling directly applied or 7-0-6 oc bracing.

REACTIONS (lb/size) 2=1112/0-3-8, 6=1112/0-3-8
 Max Horz 2=121(load case 5)
 Max Uplift 2=449(load case 5), 6=449(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/46, 2-3=-3131/903, 3-4=-2225/588, 4-5=-2225/606, 5-6=-3131/783, 6-7=0/46
 BOT CHORD 2-10=-800/2813, 9-10=-802/2811, 8-9=-619/2811, 6-8=-618/2813
 WEBS 3-10=0/179, 3-9=-829/413, 4-9=-354/1620, 5-9=-829/423, 5-8=0/179

JOINT STRESS INDEX

2 = 0.74, 3 = 0.41, 4 = 0.78, 5 = 0.41, 6 = 0.74, 8 = 0.34, 9 = 0.88 and 10 = 0.34

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; 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) Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 449 lb uplift at joint 2 and 449 lb uplift at joint 6.

LOAD CASE(S) Standard

Job L221410	Truss T09	Truss Type SPECIAL	Qty 1	Ply 1	GIEBEIG HOMES - LOT 9 CC
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 28 09:39:59 2006 Page 1		

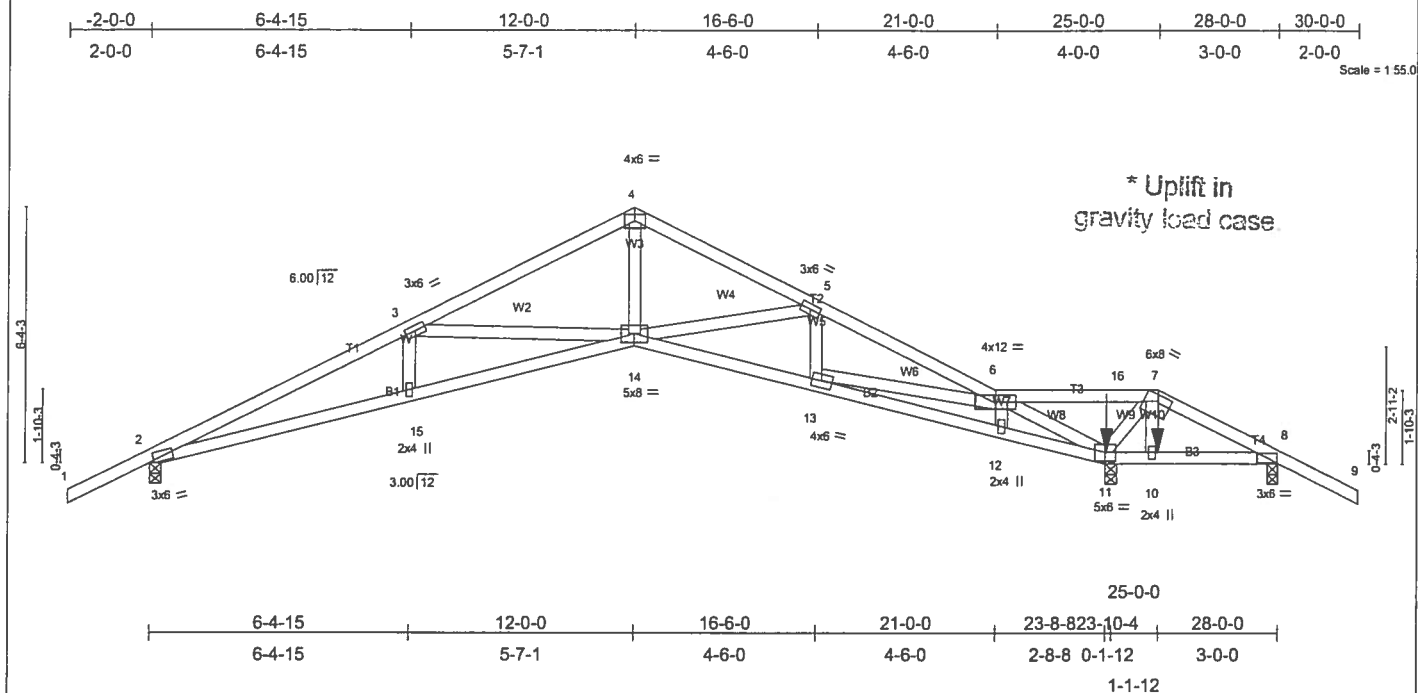


Plate Offsets (X,Y): [2:0-1-7,0-0-9], [7:0-4-0,0-1-15]

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in (loc)	V/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase	1.25	TC 0.61	Vert(LL)	-0.20 14-15	>999	240	MT20	244/190
TCDL 7.0	Lumber Increase	1.25	BC 0.59	Vert(TL)	-0.33 14-15	>863	180		
BCLL 10.0	Rep Stress Incr	NO	WB 0.57	Horz(TL)	0.19 11	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002		(Matrix)						Weight: 135 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 3-7-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-5-12 oc bracing.

REACTIONS (lb/size) 2=975/0-3-8, 11=2597/0-3-8, 8=430/0-3-8
Max Horz 2=-122(load case 5)
Max Uplift 2=-414(load case 4), 11=-916(load case 5), 8=-430(load case 1)
Max Grav 2=975(load case 1), 11=2597(load case 1), 8=49(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-3=-2585/767, 3-4=-1634/442, 4-5=-1612/462, 5-6=-1623/445, 6-16=-495/2022, 7-16=-495/2022, 7-8=-326/1469, 8-9=0/47
BOT CHORD 2-15=676/2316, 14-15=678/2312, 13-14=-265/1460, 12-13=-405/152, 11-12=-376/157, 10-11=-1251/385, 8-10=-1256/386
WEBS 3-15=0/185, 3-14=-857/424, 4-14=-232/1112, 5-14=-152/209, 5-13=-216/108, 6-13=-398/1765, 6-12=0/123, 6-11=-1928/625, 7-11=-1201/381, 7-10=-73/103

JOINT STRESS INDEX
2 = 0.81, 3 = 0.41, 4 = 0.54, 5 = 0.41, 6 = 0.69, 7 = 0.61, 8 = 0.68, 10 = 0.34, 11 = 0.94, 12 = 0.34, 13 = 0.66, 14 = 0.73 and 15 = 0.34

NOTES

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
- Provide adequate drainage to prevent water ponding.
- 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.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 414 lb uplift at joint 2, 916 lb uplift at joint 11 and 430 lb uplift at joint 8.
- Girder carries hip end with 3-0-0 right side setback, 24-0-0 left side setback, and 3-0-0 end setback.
- Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 63 lb down and 32 lb up at 25-0-0, and 504 lb down and 259 lb up at 23-8-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

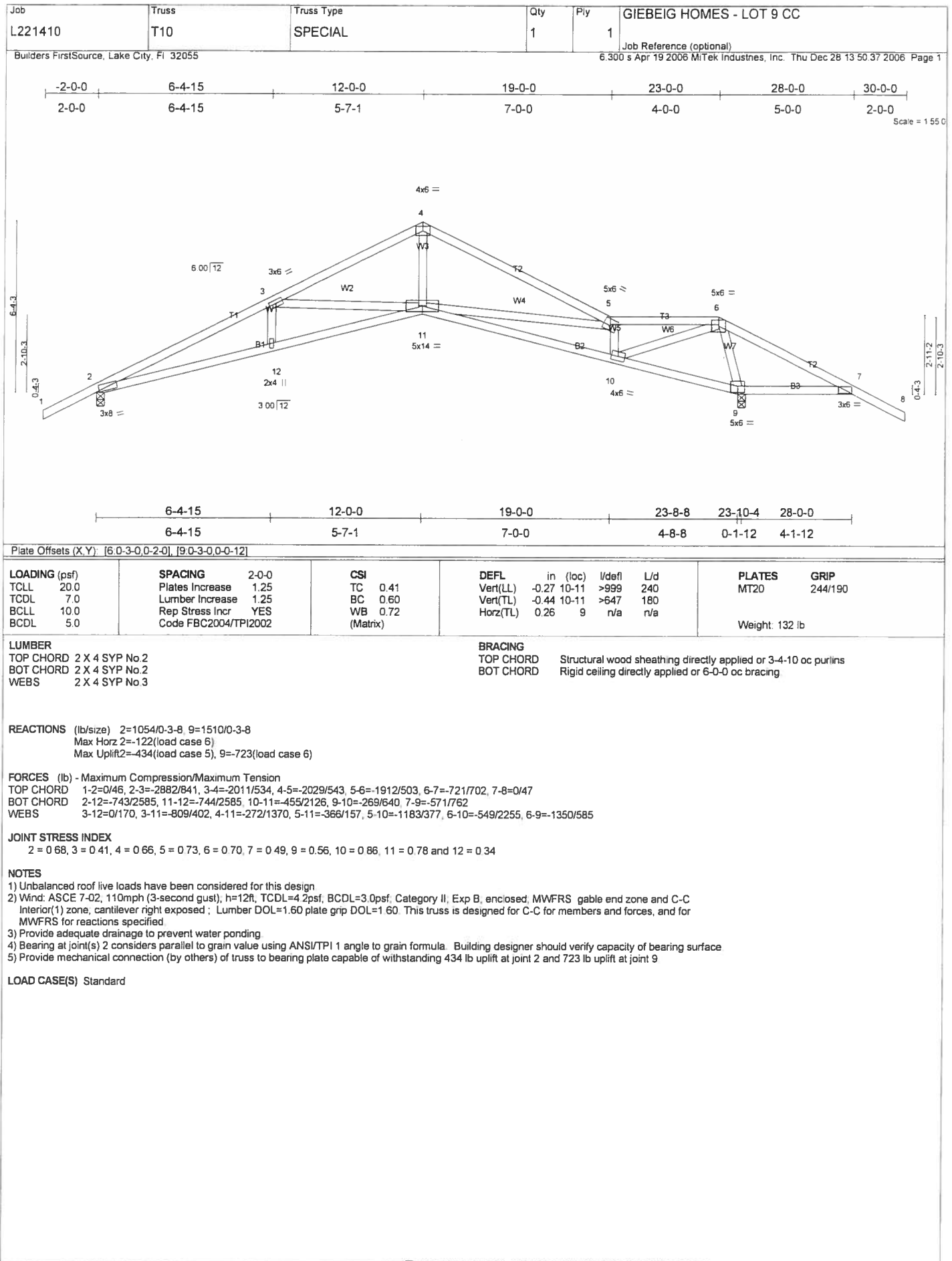
LOAD CASE(S) Standard

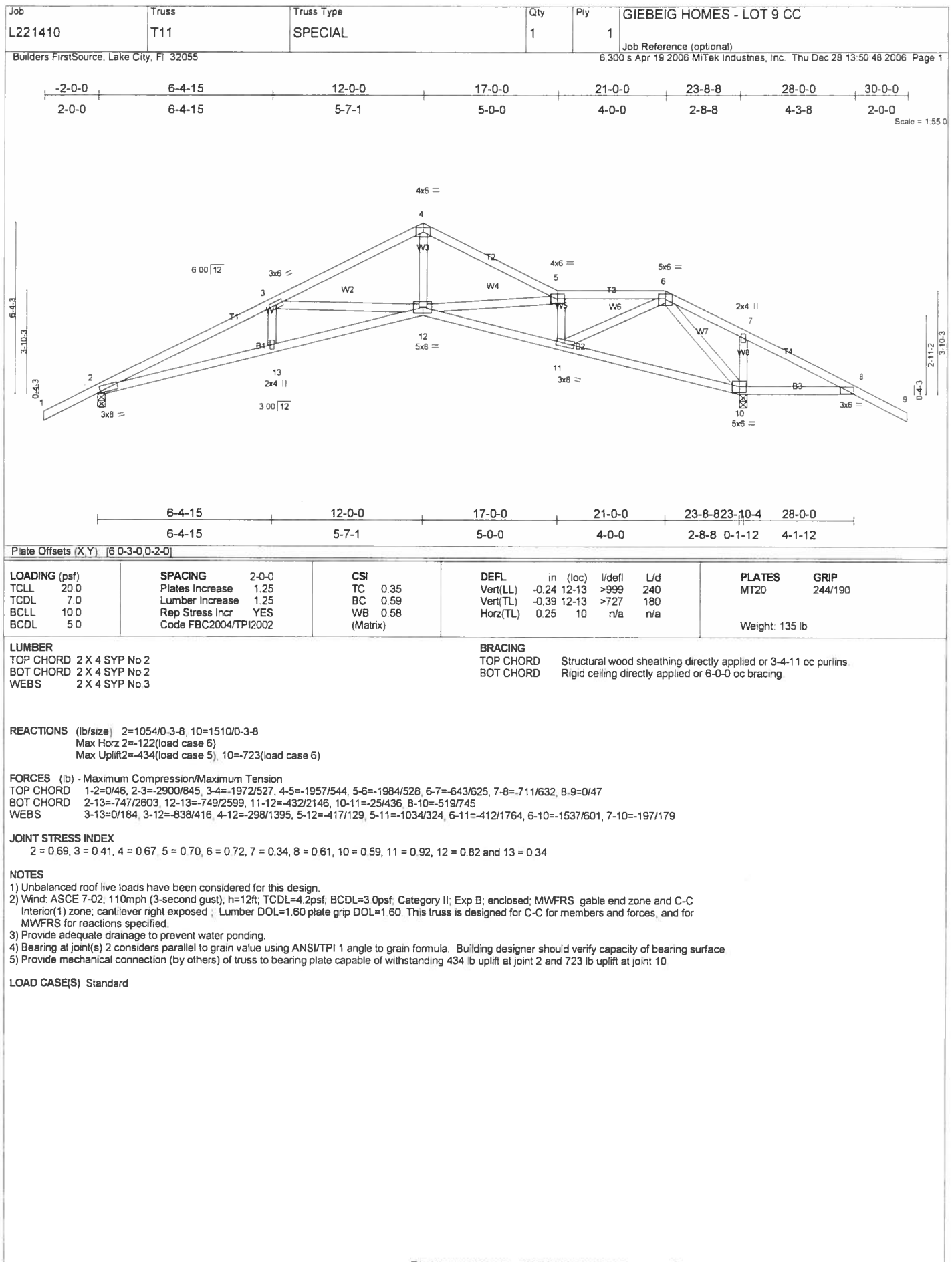
- Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)

Vert: 1-4=-54, 4-6=-54, 6-16=-54, 7-16=-64(F=10), 7-9=-54, 2-14=-30, 11-14=-30, 10-11=-35(F=5), 8-10=-30

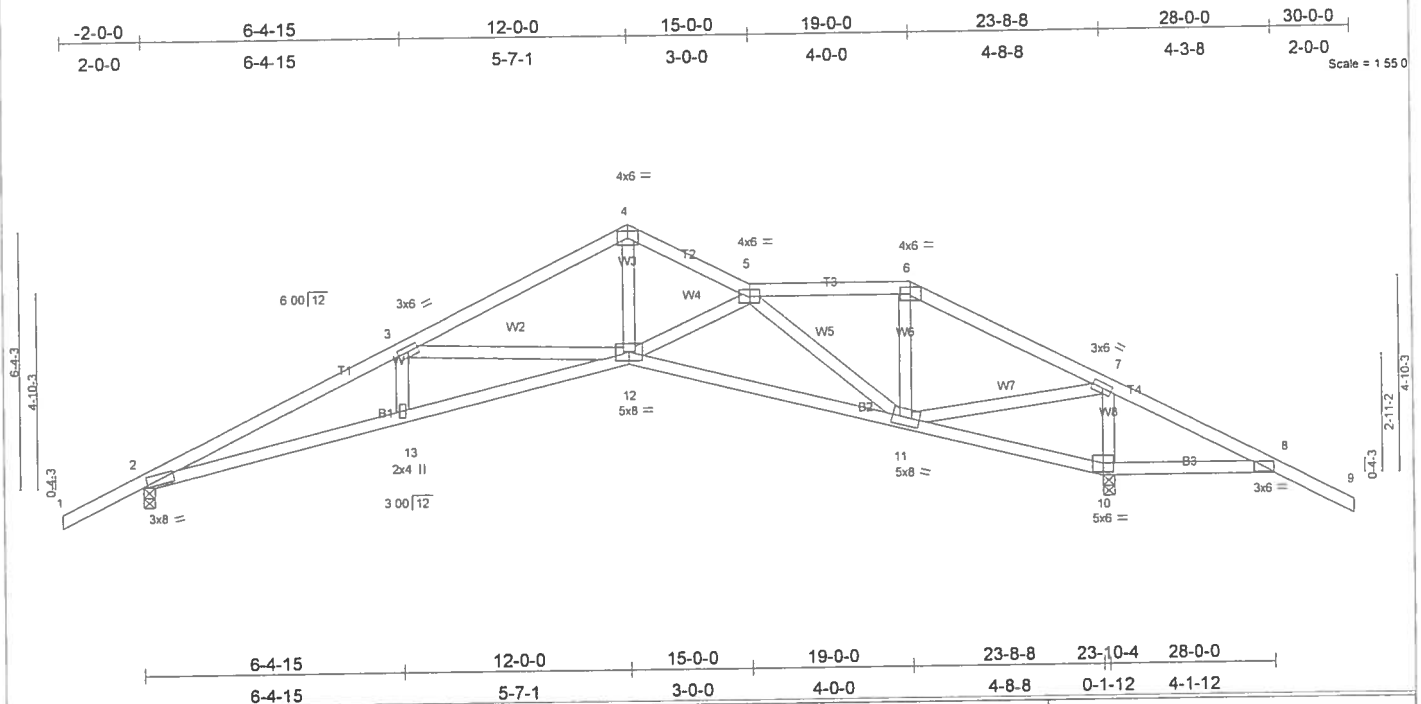
Concentrated Loads (lb)

Vert: 11=-504(F) 10=-63(F)





Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 9 CC
L221410	T12	SPECIAL	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055					6 300 s Apr 19 2006 MiTek Industries, Inc Thu Dec 28 13 50 58 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 0.34	Vert(LL) -0.23 12-13 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.59	Vert(TL) -0.36 12-13 >777 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.62	Horz(TL) 0.24 10 n/a n/a		
BCDL 5.0	Code FBC2004/TP12002	(Matrix)		Weight: 137 lb	

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

BRACING	
TOP CHORD	Structural wood sheathing directly applied or 3-4-12 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing

REACTIONS (lb/size) 2=1054/0-3-8, 10=1510/0-3-8
Max Horiz 2=-122(load case 6)
Max Uplift2=-434(load case 5), 10=-723(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/46, 2-3=-2899/848, 3-4=-1976/521, 4-5=-1916/542, 5-6=-868/268, 6-7=-1023/266, 7-8=-694/646, 8-9=0/47
 BOT CHORD 2-13=-750/2602, 12-13=-751/2601, 11-12=-392/1965, 10-11=-646/792, 8-10=-526/727
 WEBS 3-13=0/174, 3-12=-821/426, 4-12=-306/1432, 5-12=-249/131, 5-11=-1339/367, 6-11=0/251, 7-11=-518/1494, 7-10=-1220/545

JOINT STRESS INDEX
 $2 = 0.69, 3 = 0.41, 4 = 0.69, 5 = 0.50, 6 = 0.42, 7 = 0.76, 8 = 0.62, 10 = 0.60, 11 = 0.64, 12 = 0.85$ and $13 = 0.34$

NOTES

- NOTES
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind ASCE 7-02, 110mph (3-second gust), $h=12ft$, $TCDL=4.2psf$, $BCDL=3.0psf$, Category II, Exp B, enclosed, MWFRS gable end zone and C-C interior(1) zone, cantilever right exposed , Lumber DOL=1.60 plate grip DOL=1.60 This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
 - 3) Provide adequate drainage to prevent water ponding
 - 4) Bearing at joint(s) 2 considers parallel to grain value using ANSITP1 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 434 lb uplift at joint 2 and 723 lb uplift at joint 10.

LOAD CASE(S) Standard

DECEMBER 27, 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

Job L221410	Truss T14	Truss Type SPECIAL	Qty 1	Ply 1	GIEBEIG HOMES - LOT 9 CC
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 28 09:40:05 2006 Page 1		

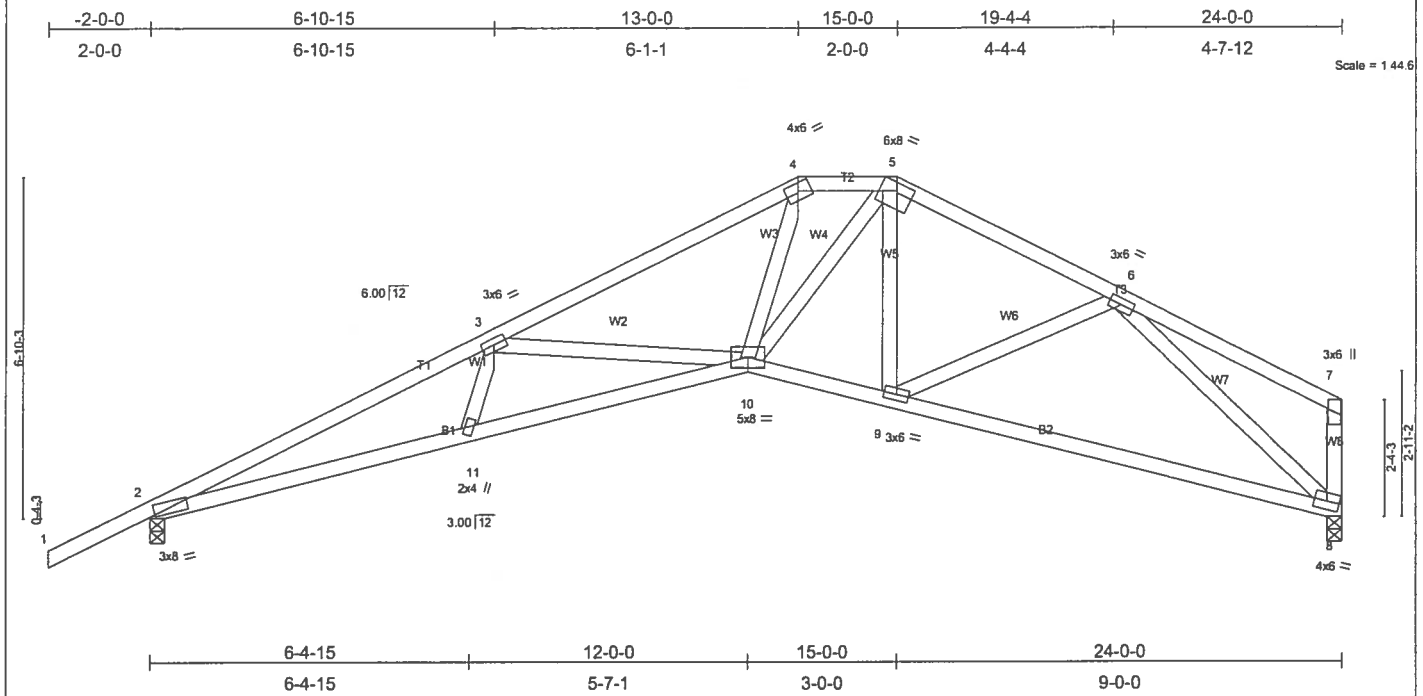


Plate Offsets (X,Y): [4:0-2-15,0-1-13], [5:0-4-0,0-1-15]					
LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.73	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.63	Vert(LL) -0.23 10-11 >999 240		
BCCL 10.0	Lumber Increase 1.25	WB 0.86	Vert(TL) -0.37 10-11 >759 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.23 8 n/a n/a		
	Code FBC2004/TPI2002				Weight: 127 lb

LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2	TOP CHORD Structural wood sheathing directly applied or 3-1-15 oc purlins, except end verticals.
BOT CHORD 2 X 4 SYP No.2	BOT CHORD Rigid ceiling directly applied or 6-3-8 oc bracing.
WEBS 2 X 4 SYP No.3	

REACTIONS (lb/size) 2=1117/0-3-8, 8=991/0-3-8
 Max Horz 2=221(load case 5)
 Max Uplift 2=452(load case 5), 8=300(load case 6)

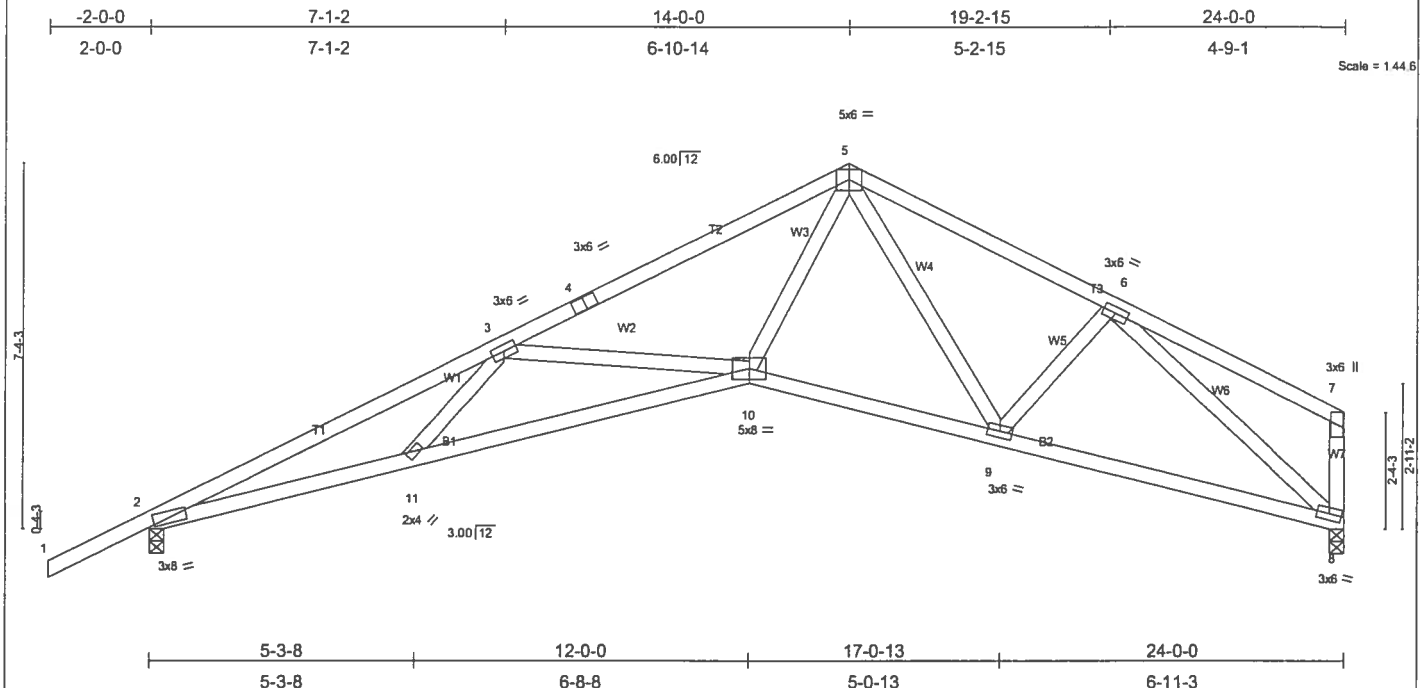
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/46, 2-3=-3164/1004, 3-4=-2180/694, 4-5=-1686/639, 5-6=-1516/477, 6-7=-213/70, 7-8=-194/101
 BOT CHORD 2-11=991/2842, 10-11=-1006/2777, 9-10=-323/1343, 8-9=-330/1133
 WEBS 3-11=0/219, 3-10=-812/439, 4-10=-154/727, 5-10=-295/635, 5-9=-15/119, 6-9=-32/322, 6-8=-1309/438

JOINT STRESS INDEX
 2 = 0.75, 3 = 0.44, 4 = 0.68, 5 = 0.46, 6 = 0.45, 7 = 0.33, 8 = 0.60, 9 = 0.38, 10 = 0.87 and 11 = 0.34

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
 - 2) Wind: ASCE 7-02; 110mph (3-second gust); h=12ft; 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) Bearing at joint(s) 2, 8 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 452 lb uplift at joint 2 and 300 lb uplift at joint 8.

LOAD CASE(S) Standard

Job L221410	Truss T15	Truss Type SCISSOR	Qty 2	Ply 1	GIEBEIG HOMES - LOT 9 CC
Builders FirstSource, Lake City, FL 32055			Job Reference (optional) 6.300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 28 09:40:05 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 0.46	Vert(LL) -0.27 10-11 >999 240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.64	Vert(TL) -0.44 10-11 >649 180		
BCLL 10.0	Rep Stress Incr YES	WB 0.96	Horz(TL) 0.24 8 n/a n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)			Weight: 124 lb

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

BRACING
 TOP CHORD Structural wood sheathing directly applied or 3-1-7 oc purlins, except end verticals.
 BOT CHORD Rigid ceiling directly applied or 6-1-13 oc bracing.

REACTIONS (lb/size) 2=1117/0-3-8, 8=991/0-3-8
 Max Horz 2=228(load case 5)
 Max Uplift 2=457(load case 5), 8=307(load case 6)

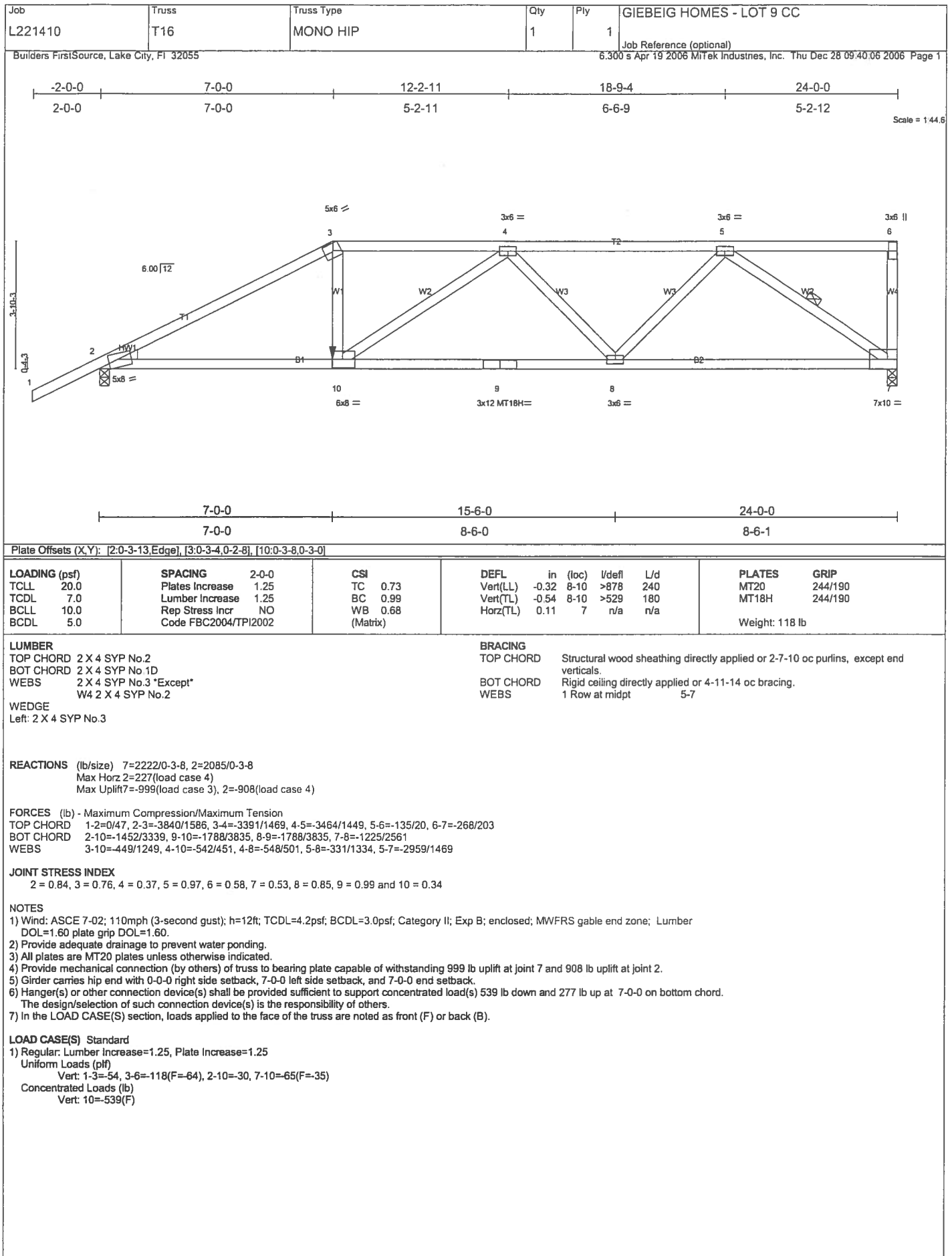
FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/46, 2-3=-3244/1010, 3-4=-2191/682, 4-5=-2107/705, 5-6=-1452/493, 6-7=-176/86, 7-8=-181/112
 BOT CHORD 2-11=-1002/2911, 10-11=-1052/2717, 9-10=-370/1331, 8-9=-337/1166
 WEBS 3-11=0/306, 3-10=-762/482, 5-10=-417/1397, 5-9=-123/101, 6-9=-12/284, 6-8=-1400/424

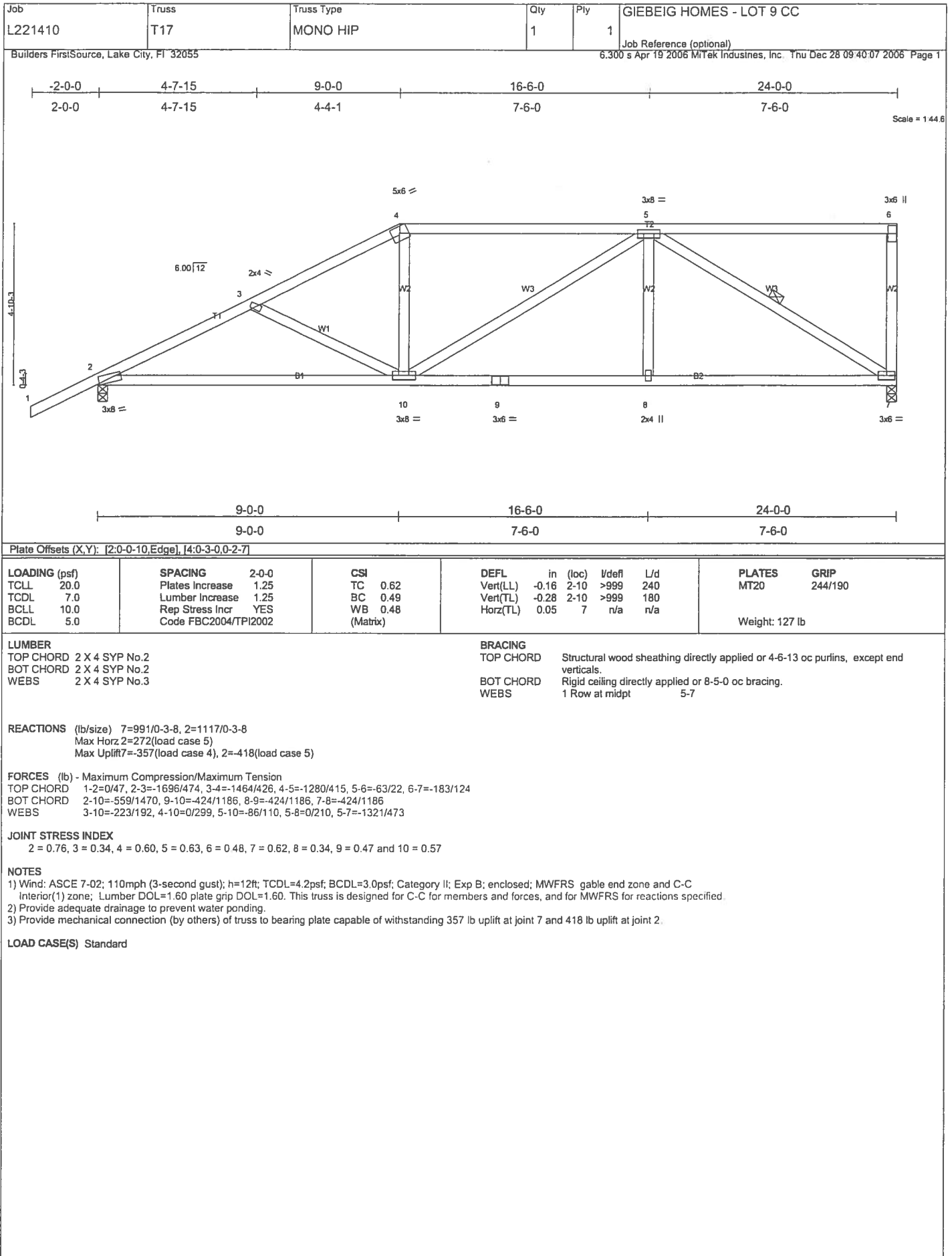
JOINT STRESS INDEX
 2 = 0.77, 3 = 0.41, 4 = 0.31, 5 = 0.63, 6 = 0.40, 7 = 0.32, 8 = 0.59, 9 = 0.41, 10 = 0.86 and 11 = 0.34

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust), h=12ft; 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) Bearing at joint(s) 2, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
- 4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 457 lb uplift at joint 2 and 307 lb uplift at joint 8.

LOAD CASE(S) Standard





Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 9 CC
L221410	T18	HIP	1	1	Job Reference (optional)
Builders FirstSource, Lake City, FL 32055			6300 s Apr 19 2006 MiTek Industries, Inc. Thu Dec 28 09:40:08 2006 Page 1		

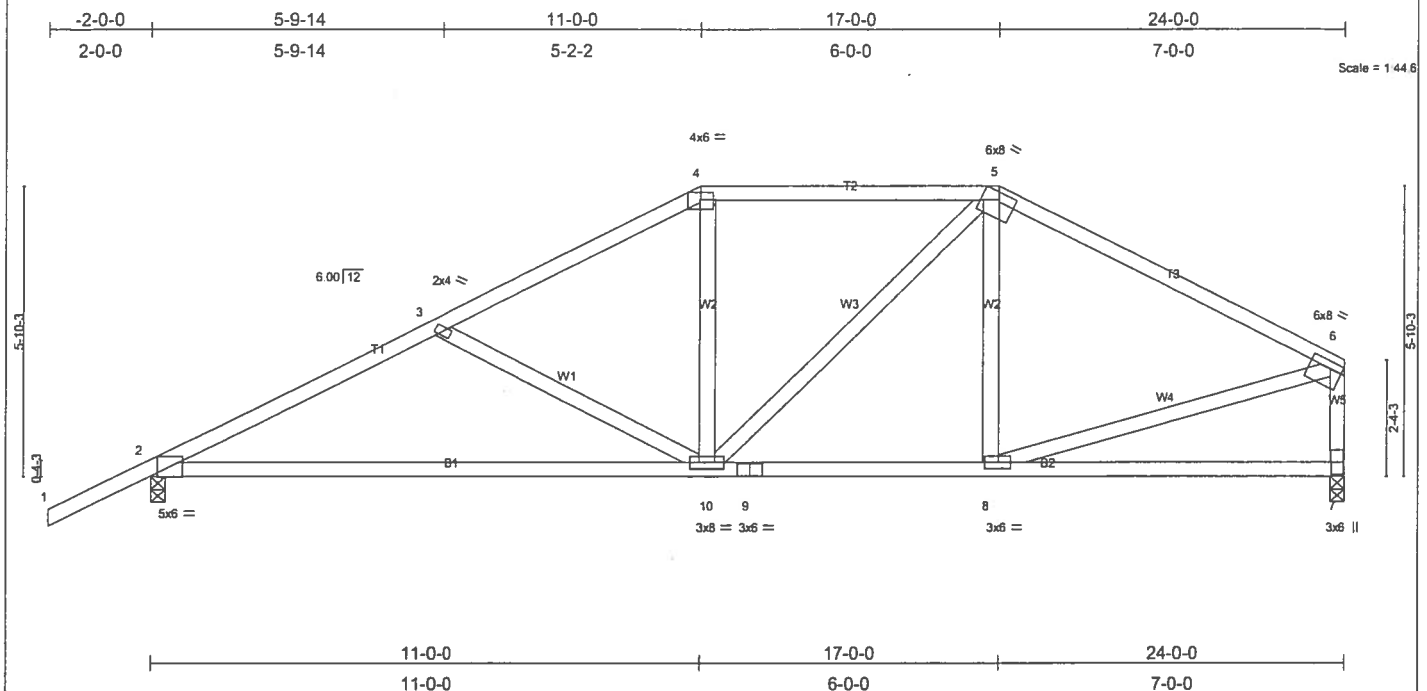


Plate Offsets (X,Y): [2:0-1-11,Edge], [5:0-4-0-0-1-15], [6:Edge,0-1-12]									
LOADING (psf)	SPACING 2-0-0	CSI	DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.72	Vent(LL)	-0.33	2-10	>853	240	MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.64	Vent(TL)	-0.58	2-10	>944	180		
BCLL 10.0	Rep Stress Incr YES	WB 0.25	Horz(TL)	0.04	7	n/a	n/a		
BCDL 5.0	Code FBC2004/TPI2002	(Matrix)							
								Weight: 127 lb	

LUMBER		BRACING	
TOP CHORD	2 X 4 SYP No.2	TOP CHORD	Structural wood sheathing directly applied or 4-4-1 oc purlins, except end verticals.
BOT CHORD	2 X 4 SYP No.2	BOT CHORD	Rigid ceiling directly applied or 8-7-8 oc bracing.
WEBS	2 X 4 SYP No.3		

REACTIONS (lb/size) 2=1117/0-3-8, 7=991/0-3-8
Max Horz 2=208(load case 5)
Max Uplift2=-442(load case 5), 7=-285(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/47, 2-3=-1632/522, 3-4=-1303/384, 4-5=-1110/395, 5-6=-1109/328, 6-7=-872/302
 BOT CHORD 2-10=-527/1418, 9-10=-218/915, 8-9=-218/915, 7-8=-79/159
 WEBS 3-10=-355/273, 4-10=-36/270, 5-10=-97/353, 5-8=-87/90, 6-8=-200/792

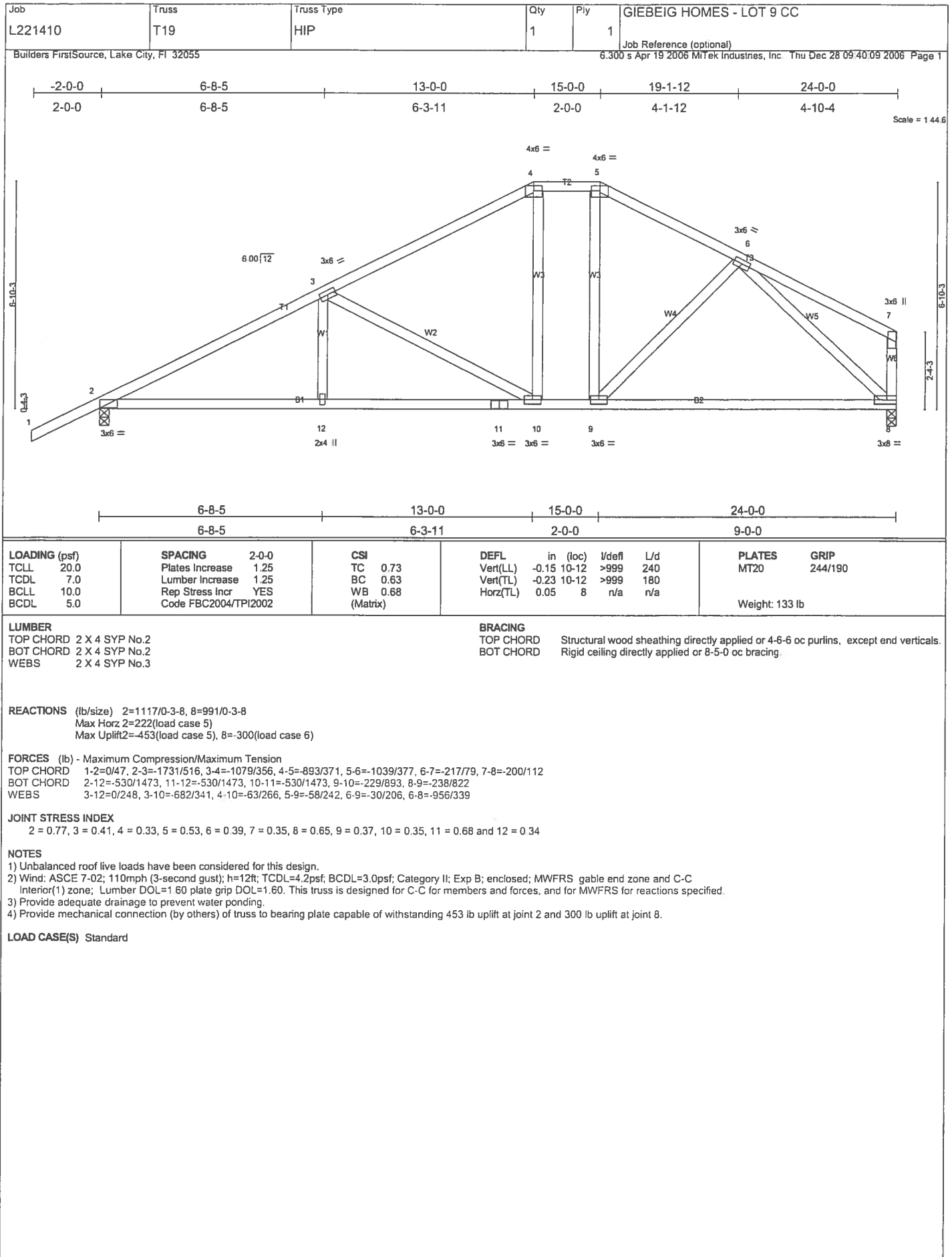
JOINT STRESS INDEX
2 = 0.70, 3 = 0.34, 4 = 0.54, 5 = 0.71, 6 = 0.59, 7 = 0.48, 8 = 0.44, 9 = 0.65 and 10 = 0.57

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-02; 110mph (3-second gust); $h=12ft$; $TCDL=4.2psf$; $BCDL=3.0psf$; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 442 lb uplift at joint 2 and 285 lb uplift at joint 7.

LOAD CASE(S) Standard

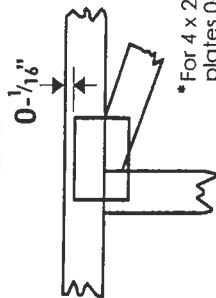
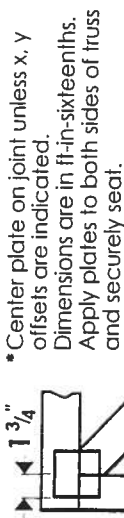
DECEMBER 27, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549



DECEMBER 27, 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



— —
* 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

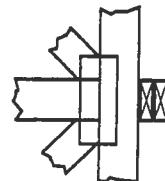
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

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

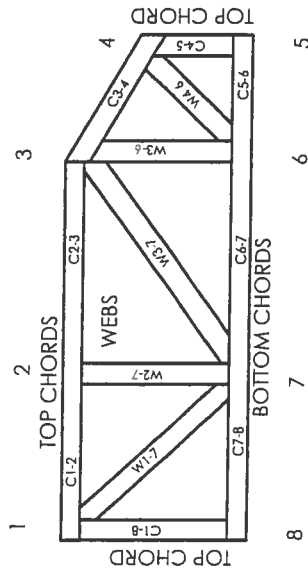


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

ANSI/TP1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCS11: 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.

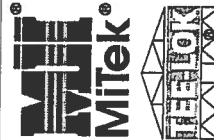
CONNECTOR PLATE CODE APPROVALS

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

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 BCS11.
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/TP1.
6. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1.
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.



Mitek Engineering Reference Sheet: MII-7473

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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.

6 25404

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cola Terrace City Lake City State FL Zip 32055
Company Business License No. JF104378 Company Phone No. 386-785-9811
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Trent Gebbie Const. Company Phone No. 397-0545

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 580 SW Gerald Connor Dr.
Cannon Creek Place
Lot # 9 Phase II
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) 12/13/07
Brand Name of Product(s) Used Terminator
EPA Registration No. 1469-210
Approximate Final Mix Solution % 0.06%
Approximate Size of Treatment Area: Sq. ft. 1792 Linear ft. 236 Linear ft. of Masonry Voids 220
Approximate Total Gallons of Solution Applied 440 gals.
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) JF104378

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 [Signature] Date 12/13/07

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)

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)

GERALD CONNOR OF COLUMBIA COUNTY

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 23-4S-16-03095-109

Building permit No. 000025404

Use Classification SFD, UTILITY

Fire: 44.94

Permit Holder TRENT GIEGEIG

Waste: 117.25

Owner of Building PETE GIEBEIG

Total: 162.19

Location: 580 SW GERALD CONNER DR, LAKE CITY, FL

Date: 03/04/2008

Greg Giegeig

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)