DATE 05/30/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000025859

APPLICANT TRENT GIEBEIG PHONE 397-0545

ADDRESS 697 SE HOLLY TERR LAKE CITY FL 32025

OWNER PETE GIEBEIG PHONE 752-7968

ADDRESS 509 SW GERALD CONNER DR LAKE CITY FL 32024

CONTRACTOR TRENT GIEBEIG PHONE 397-0545

LOCATION OF PROPERTY 90W, TL ON SISTERS WELCOME RD, TL ON KICKLIGHTER,
TR ON GERALD CONNER DR, PAST JOSHUA CT, 3RD ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 97450.00

HEATED FLOOR AREA 1949.00 TOTAL AREA 2743.00 HEIGHT ____ STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT ____

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-16-03095-117 SUBDIVISION CANNON CREEK PLACE

LOT 17 BLOCK ____ PHASE ____ UNIT ____ TOTAL ACRES ____

000001389	____	RR28281153	Pete Giebeig
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor

CULVERT	07-388	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 FILE

Check # or Cash 2819

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power ____ date/app. by | Foundation ____ date/app. by | Monolithic ____ date/app. by

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

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

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

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

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

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

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

BUILDING PERMIT FEE $ 490.00 CERTIFICATION FEE $ 13.71 SURCHARGE FEE $ 13.71

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

FLOOD DEVELOPMENT FEE $ ____ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 617.42

INSPECTORS OFFICE Gale Tedder CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

LYNCH WELL DRILLING, INC.

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

Building Permit #_____ Owner's Name: Giebeig - Wise Estates Lot 1A

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

Casing Size 4 inch Steel Pump Installation: Deep Well Submersible

Pump Make Aermotor Pump Model S20-100 HP 1

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

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

Tank Installation: Bladder /Galvanized Make Challenger

Model PC 244 Size 81 gallon

Tank Draw-down per cycle at system pressure 25.1 gallons

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

Linda Newcomb
Signature

Linda Newcomb
Print Name

2609
License Number

5/14/07
Date

NOTICE OF COMMENCEMENT

Inst:2007010837 Date:05/16/2007 Time:09:43
DC,P.DeWitt Cason,Columbia County B:1119 P:817

STATE OF: Florida
COUNTY OF: Columbia

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

1. Description of Property: 509 SW Gerald Conner Drive Lake City, Fl 32024
Lot# 17 Cannon Creek Place U-2
23-4S-16-03095-117

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

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

4. Contractor (Name and Address): Trent Giebeig Construction, Inc
697 SE Holly Terrace Lake City, Fl. 32025

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

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

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

8. In addition to himself, the Owner designates the following person to recieve a copy of the Lienor's Notice as provided in 713.13 (l)(b), Florida Statues (Name and Address):
N/A

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

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

Type Owner Name:

Vanessa Bryant
Witness #1 Vanessa Bryant

Elaine K. Tolar
Witness #2 ELAINE K. TOLAR

Sworn to and subscribed before me by the Owner (s) on this 14th day of May 2007

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

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

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

Columbia County Building Permit Application

CK# 2819 Revised 9-23-04

For Office Use Only Application # 0705-59 Date Received 5/23/07 By [illegible] Permit # 1389/25859

Application Approved by - Zoning Official BLK Date 30.05.07 Plans Examiner OKJTH Date 5-23-07

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

Comments 1st Floor 1st above Rd.

Applicants Name Trent Giebeig Const Inc Phone 397-0545

Address 697 SE Holly Terrace Lake City FL 32025

Owners Name Pete Giebeig Phone 752-7968

911 Address 509 SW Gerald Conner Drive Lake City FL

Contractors Name Trent Giebeig Const Inc Phone 397-0545

Address 697 SE Holly Terrace Lake City FL

Fee Simple Owner Name & Address Pete Giebeig PO Box 1384 Lake City

Bonding Co. Name & Address

Architect/Engineer Name & Address Freeman Design Group

Mortgage Lenders Name & Address

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

Property ID Number [redacted] 2345 16 03095 117 Estimated Cost of Construction 90,000

Subdivision Name Cannon Creek Place Lot 17 Block ___ Unit 2 Phase ___

Driving Directions Sisters Welcome South left on Kicklighter Right on Gerald Conner Drive new plase on left past Joshua Ct, 3rd lot on left.

Type of Construction frame Number of Existing Dwellings on Property -0-

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

Actual Distance of Structure from Property Lines - Front 34'11" Side 34'10" Side 37'2" Rear 77'3"

Total Building Height 16' 11" Number of Stories 1 Heated Floor Area 1949 TOTAL 2,743 Roof Pitch 6/12

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

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

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

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number RR0028115523

Competency Card Number 5754

STATE OF FLORIDA
COUNTY OF COLUMBIA

NOTARY STAMP/SEAL

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

Sworn to (or affirmed) and subscribed before me this 21st day of May 2007.

Personally known X or Produced Identification ___

Notary Signature ELAINE K. TOLAR

Columbia County Property Appraiser

DB Last Updated: 5/11/2007

2007 Proposed Values

Parcel: 23-4S-16-03095-117

Tax Record | Property Card | Interactive GIS Map | Print

Owner & Property Info

<< Prev Search Result: 68 of 91 Next >>

Owner's Name	GIEBEIG PETER W		
Site Address	GERALD CONNER		
Mailing Address	P O BOX 1384 LAKE CITY, FL 32056		
Use Desc. (code)	VACANT (000000)		
Neighborhood	24416.00	**Tax District**	2
UD Codes	MKTA06	**Market Area**	06
Total Land Area	0.510 ACRES		
Description	LOT 17 CANNON CREEK PLACE UNIT 2.		

GIS Aerial

Property & Assessment Values

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

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

Sales History

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

Building Characteristics

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

Extra Features & Out Buildings

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

Land Breakdown

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

Columbia County Property Appraiser

DB Last Updated: 5/11/2007

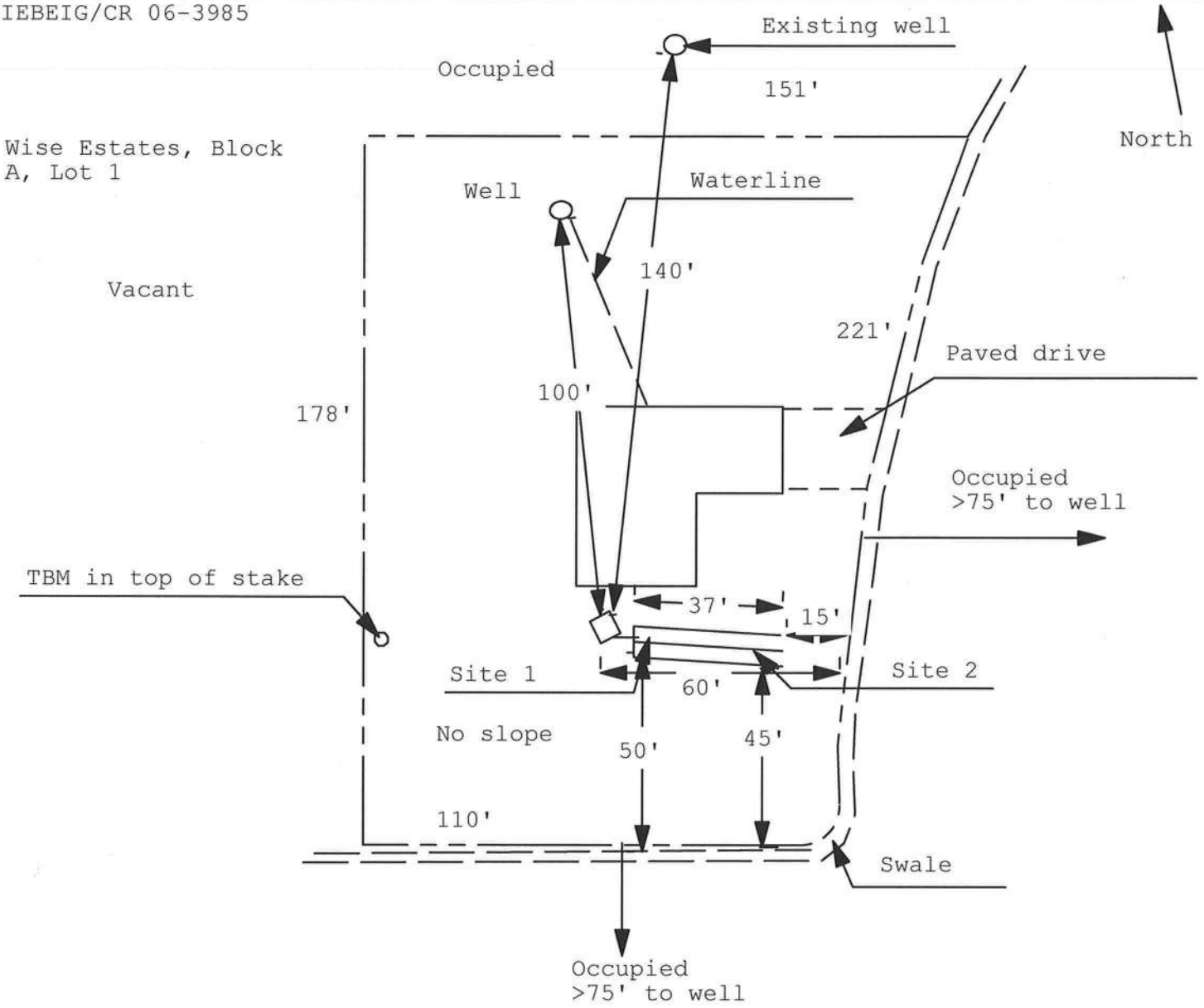
<< Prev 68 of 91 Next >>

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

Permit Application Number: 07-0388

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GIEBEIG/CR 06-3985



1 inch = 40 feet

Site Plan Submitted By Paul Lloyd **Date** 5/14/07

Plan Approved ✓ **Not Approved** ____ **Date** 5/15/07

By [signature] Columbia **CPHU**

Notes: ____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Cannon Creek Place Lot #17**	Builder:	Trent Geibeig
Address:		Permitting Office:	**Columbia**
City, State:	,	Permit Number:	25859
Owner:	**Trent Geibeig**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit/Split	Cap: 38.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	1949 ft²	c. N/A	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor:	Description Area	13. Heating systems	
(or Single or Double DEFAULT) 7a.	(Dble Default) 182.0 ft²	a. Electric Heat Pump/Split	Cap: 38.0 kBtu/hr
b. SHGC:			HSPF: 8.50
(or Clear or Tint DEFAULT) 7b.	(Clear) 182.0 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 205.0(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 20.0 gallons
a. Frame, Wood, Exterior	R=13.0, 1695.7 ft²		EF: 0.94
b. N/A		b. N/A	
c. N/A			
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits	PT, CF,
a. Under Attic	R=30.0, 2743.0 ft²	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 62.0 ft		
b. N/A			

Glass/Floor Area: 0.09

Total as-built points: 28353
Total base points: 29305

PASS

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

PREPARED BY: _____

DATE: _____

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE

GLASS TYPES

.18 X	Conditioned Floor Area	X BSPM	= Points
.18	1949.0	18.59	6522.0

WALL TYPES	Area X	BSPM	= Points
Adjacent	0.0	0.00	0.0
Exterior	1695.7	1.70	2882.7
Base Total:	**1695.7**		**2882.7**

DOOR TYPES	Area X	BSPM	= Points
Adjacent	0.0	0.00	0.0
Exterior	71.3	6.10	434.8
Base Total:	**71.3**		**434.8**

CEILING TYPES	Area X	BSPM	= Points
Under Attic	1949.0	1.73	3371.8
Base Total:	**1949.0**		**3371.8**

FLOOR TYPES	Area X	BSPM	= Points
Slab	205.0(p)	-37.0	-7585.0
Raised	0.0	0.00	0.0
Base Total:			**-7585.0**

INFILTRATION	Area X	BSPM	= Points
	1949.0	10.21	19899.3

AS-BUILT

Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
1.Double, Clear	W	1.0	6.0	25.0	38.52	0.97	934.0
2.Double, Clear	W	1.0	6.0	60.0	38.52	0.97	2242.0
3.Double, Clear	E	1.0	6.0	30.0	42.06	0.97	1223.0
4.Double, Clear	E	1.0	6.0	20.0	42.06	0.97	815.0
5.Double, Clear	E	1.0	6.0	30.0	42.06	0.97	1223.0
6.Double, Clear	N	1.0	6.0	6.0	19.20	0.98	112.0
7.Double, Clear	S	1.0	6.0	5.0	35.87	0.94	169.0
8.Double, Clear	N	1.0	6.0	6.0	19.20	0.98	112.0
As-Built Total:				**182.0**			**6830.0**

Type	R-Value	Area X	SPM =	Points
1. Frame, Wood, Exterior	13.0	1695.7	1.50	2543.5
As-Built Total:		**1695.7**		**2543.5**

Type	Area X	SPM =	Points
1.Exterior Insulated	33.0	4.10	135.3
2.Exterior Insulated	38.3	4.10	156.9
As-Built Total:	**71.3**		**292.2**

Type	R-Value	Area X	SPM X SCM =	Points
1. Under Attic	30.0	2743.0	1.73 X 1.00	4745.4
As-Built Total:		**2743.0**		**4745.4**

Type	R-Value	Area X	SPM =	Points
1. Slab-On-Grade Edge Insulation	0.0	205.0(p	-41.20	-8446.0
As-Built Total:		**205.0**		**-8446.0**

	Area X	SPM =	Points
	1949.0	10.21	19899.3

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 25525.6			**Summer As-Built Points:**					**25864.5**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 38000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS)					
			25864	1.00	(1.09 x 1.147 x 1.11)	0.260	0.902	8422.4
25525.6	**0.3250**	**8295.8**	**25864.5**	**1.00**	**1.388**	**0.260**	**0.902**	**8422.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	1949.0	20.17	7076.0	1.Double, Clear	W	1.0	6.0	25.0	20.73	1.01	522.0	
				2.Double, Clear	W	1.0	6.0	60.0	20.73	1.01	1253.0	
				3.Double, Clear	E	1.0	6.0	30.0	18.79	1.02	572.0	
				4.Double, Clear	E	1.0	6.0	20.0	18.79	1.02	381.0	
				5.Double, Clear	E	1.0	6.0	30.0	18.79	1.02	572.0	
				6.Double, Clear	N	1.0	6.0	6.0	24.58	1.00	147.0	
				7.Double, Clear	S	1.0	6.0	5.0	13.30	1.02	68.0	
				8.Double, Clear	N	1.0	6.0	6.0	24.58	1.00	147.0	
				As-Built Total:				**182.0**			**3662.0**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior	13.0	1695.7	3.40	5765.4
Exterior	1695.7	3.70	6274.1					
Base Total:	**1695.7**		**6274.1**	**As-Built Total:**		**1695.7**		**5765.4**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	1.Exterior Insulated	33.0	8.40	277.2
Exterior	71.3	12.30	876.7	2.Exterior Insulated	38.3	8.40	321.6
Base Total:	**71.3**		**876.7**	**As-Built Total:**	**71.3**		**598.8**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	1949.0	2.05	3995.4	1. Under Attic	30.0	2743.0	2.05 X 1.00	5623.1
Base Total:	**1949.0**		**3995.4**	**As-Built Total:**		**2743.0**		**5623.1**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	205.0(p)	8.9	1824.5	1. Slab-On-Grade Edge Insulation	0.0	205.0(p	18.80	3854.0
Raised	0.0	0.00	0.0					
Base Total:			**1824.5**	**As-Built Total:**		**205.0**		**3854.0**

INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points
	1949.0	-0.59	-1149.9		1949.0	-0.59	-1149.9

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**18896.9**	**Winter As-Built Points:**					**18353.4**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 38000 btuh ,EFF(8.5) Ducts:Unc(S),Unc(R),Att(AH),R6.0					
			18353.4	1.000	(1.069 x 1.169 x 1.10)	0.401	0.950	9615.2
18896.9	**0.5540**	**10468.9**	**18353.4**	**1.00**	**1.375**	**0.401**	**0.950**	**9615.2**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X Multiplier	= Total		Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
4	2635.00	10540.0		20.0	0.94	4	1.00	2578.94	1.00	10315.7
				As-Built Total:						**10315.7**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
8296	**10469**	**10540**	**29305**	**8422**	**9615**	**10316**	**28353**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , 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 612.1.ABC.3.2. Switch or clearly marked cir breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.7

The higher the score, the more efficient the home.

Trent Geibeig, , , ,

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	4	
5.	Is this a worst case?	Yes	
6.	Conditioned floor area (ft²)	1949 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
	a. U-factor: (or Single or Double DEFAULT)	7a. Description (Dble Default) Area 182.0 ft²	
	b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 182.0 ft²	
8.	Floor types		
	a. Slab-On-Grade Edge Insulation	R=0.0, 205.0(p) ft	
	b. N/A		
	c. N/A		
9.	Wall types		
	a. Frame, Wood, Exterior	R=13.0, 1695.7 ft²	
	b. N/A		
	c. N/A		
	d. N/A		
	e. N/A		
10.	Ceiling types		
	a. Under Attic	R=30.0, 2743.0 ft²	
	b. N/A		
	c. N/A		
11.	Ducts		
	a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 62.0 ft	
	b. N/A		

12.	Cooling systems		
	a. Central Unit/Split	Cap: 38.0 kBtu/hr	
		SEER: 13.00	
	b. N/A		
	c. N/A		
13.	Heating systems		
	a. Electric Heat Pump/Split	Cap: 38.0 kBtu/hr	
		HSPF: 8.50	
	b. N/A		
	c. N/A		
14.	Hot water systems		
	a. Electric Resistance	Cap: 20.0 gallons	
		EF: 0.94	
	b. N/A		
	c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT, CF,	

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

Builder Signature: _____ Date: _____

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

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

BUILDING INPUT SUMMARY REPORT

PROJECT

Title:	Cannon Creek Place Lot #17	**Family Type:**	Single	**Address Type:**	Street Address
Owner:	Trent Geibeig	**New/Existing:**	New	**Lot #:**	N/A
# of Units:	1	**Bedrooms:**	4	**Subdivision:**	N/A
Builder Name:	(blank)	**Conditioned Area:**	1949	**Platbook:**	N/A
Climate:	North	**Total Stories:**	1	**Street:**	(blank)
Permit Office:	Columbia	**Worst Case:**	Yes	**County:**	(blank)
Jurisdiction #:	(blank)	**Rotate Angle:**	270	**City, St, Zip:**	, ,

FLOORS

#	Floor Type	R-Val	Area/Perimeter	Units
1	Slab-On-Grade Edge Insulation	0.0	205.0(p) ft	1

DOORS

#	Door Type	Orientation	Area	Units
1	Insulated	Exterior	33.0 ft²	1
2	Insulated	Exterior	38.3 ft²	1

CEILINGS

#	Ceiling Type	R-Val	Area	Base Area	Units
1	Under Attic	30.0	2743.0 ft²	1949.0 ft²	1

Credit Multipliers: None

COOLING

#	System Type	Efficiency	Capacity
1	Central Unit/Split	SEER: 13.00	38.0 kBtu/hr

Credit Multipliers: Ceil Fn, PT

WALLS

#	Wall Type	Location	R-Val	Area	Units
1	Frame - Wood	Exterior	13.0	1695.7 ft²	1

HEATING

#	System Type	Efficiency	Capacity
1	Electric Heat Pump/Split	HSPF: 8.50	38.0 kBtu/hr

Credit Multipliers: PT

WINDOWS

#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
1	Double	Clear	N	25.0 ft²	1.0 ft	6.0 ft	1
2	Double	Clear	N	15.0 ft²	1.0 ft	6.0 ft	4
3	Double	Clear	S	30.0 ft²	1.0 ft	6.0 ft	1
4	Double	Clear	S	20.0 ft²	1.0 ft	6.0 ft	1
5	Double	Clear	S	15.0 ft²	1.0 ft	6.0 ft	2
6	Double	Clear	E	6.0 ft²	1.0 ft	6.0 ft	1
7	Double	Clear	W	5.0 ft²	1.0 ft	6.0 ft	1
8	Double	Clear	E	6.0 ft²	1.0 ft	6.0 ft	1

DUCTS

#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length
1	Uncond.	Uncond.	Attic	6.0	62.0 ft

Credit Multipliers: None

WATER

#	System Type	EF	Cap.	Conservation Type	Con. EF
1	Electric Resistance	0.94	20.0	None	0.00

REFR.

#	Use Default?	Annual Operating Cost	Electric Rate
1	Yes	N/A	N/A

MISC

Rater Name:	CodeOnlyPro	**Class #:**	3	**Pool Size:**	0
Rater Certification #:	CodeOnlyPro	**Duct Leakage Type:**	N/A	**Pump Size:**	0.00 hp
Area Under Fluorescent:	0.0	**Visible Duct Disconnects:**	N/A	**Dryer Type:**	Electric
Area Under Incandescent:	1949.0	**Leak Free Duct System Proposed:**	No	**Stove Type:**	Electric
NOTE: Not all Rating info shown		**HRV/ERV System Present?:**	No	**Avg Ceil Hgt:**	

Residential System Sizing Calculation

Summary

Trent Geibeig

Project Title:
Cannon Creek Place Lot #17

Code Only
Professional Version
Climate: North

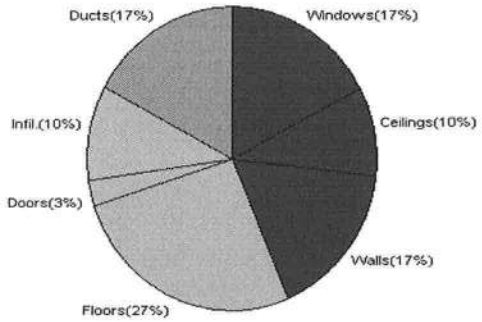
5/10/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**33689**	**Btuh**	**Total cooling load calculation**	**32627**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	112.8	38000	Sensible (SHR = 0.75)	102.7	28500
Heat Pump + Auxiliary(0.0kW)	112.8	38000	Latent	194.5	9500
			Total (Electric Heat Pump)	116.5	38000

WINTER CALCULATIONS

Winter Heating Load (for 1949 sqft)

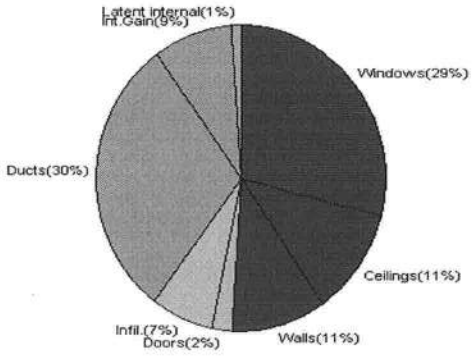
Load component			Load	
Window total	182	sqft	5859	Btuh
Wall total	1696	sqft	5569	Btuh
Door total	71	sqft	923	Btuh
Ceiling total	2743	sqft	3232	Btuh
Floor total	205	sqft	8950	Btuh
Infiltration	83	cfm	3368	Btuh
Duct loss			5788	Btuh
Subtotal			**33689**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**33689**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1949 sqft)

Load component			Load	
Window total	182	sqft	9465	Btuh
Wall total	1696	sqft	3537	Btuh
Door total	71	sqft	699	Btuh
Ceiling total	2743	sqft	3669	Btuh
Floor total			0	Btuh
Infiltration	42	cfm	774	Btuh
Internal gain			2900	Btuh
Duct gain			6698	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**27741**	**Btuh**
Latent gain(ducts)			2966	Btuh
Latent gain(infiltration)			1520	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			400	Btuh
Total latent gain			**4885**	**Btuh**
TOTAL HEAT GAIN			**32627**	**Btuh**



Version 8
For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: _____
DATE: _____

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Trent Geibeig

Project Title:
Cannon Creek Place Lot #17

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

5/10/2007

This calculation is for Worst Case. The house has been rotated 90 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	E	25.0	32.2	805 Btuh
2	2, Clear, Metal, 0.87	E	60.0	32.2	1931 Btuh
3	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
4	2, Clear, Metal, 0.87	W	20.0	32.2	644 Btuh
5	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
6	2, Clear, Metal, 0.87	S	6.0	32.2	193 Btuh
7	2, Clear, Metal, 0.87	N	5.0	32.2	161 Btuh
8	2, Clear, Metal, 0.87	S	6.0	32.2	193 Btuh
	Window Total		182(sqft)		5859 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1696	3.3	5569 Btuh
	Wall Total		1696		5569 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		33	12.9	427 Btuh
2	Insulated - Exterior		38	12.9	496 Btuh
	Door Total		71		923Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Shin	30.0	2743	1.2	3232 Btuh
	Ceiling Total		2743		3232Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	205.0 ft(p)	43.7	8950 Btuh
	Floor Total		205		8950 Btuh
				Envelope Subtotal:	24533 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft) CFM=	
	Natural	0.32	15592	1696 83.2	3368 Btuh
Ductload				(DLM of 0.207)	5788 Btuh
All Zones				**Sensible Subtotal All Zones**	**33689 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	33689 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	33689 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Trent Geibeig

Project Title:
Cannon Creek Place Lot #17

Code Only
Professional Version
Climate: North

5/10/2007

EQUIPMENT

1. Electric Heat Pump/Split	#(Outside) #(Inside)	38000 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)

Version 8
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System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Trent Geibeig

Project Title:
Cannon Creek Place Lot #17

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

5/10/2007

This calculation is for Worst Case. The house has been rotated 90 degrees.

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	E	25.0	32.2	805 Btuh
2	2, Clear, Metal, 0.87	E	60.0	32.2	1931 Btuh
3	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
4	2, Clear, Metal, 0.87	W	20.0	32.2	644 Btuh
5	2, Clear, Metal, 0.87	W	30.0	32.2	966 Btuh
6	2, Clear, Metal, 0.87	S	6.0	32.2	193 Btuh
7	2, Clear, Metal, 0.87	N	5.0	32.2	161 Btuh
8	2, Clear, Metal, 0.87	S	6.0	32.2	193 Btuh
	Window Total		182(sqft)		5859 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1696	3.3	5569 Btuh
	Wall Total		1696		5569 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		33	12.9	427 Btuh
2	Insulated - Exterior		38	12.9	496 Btuh
	Door Total		71		923Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Shin	30.0	2743	1.2	3232 Btuh
	Ceiling Total		2743		3232Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	205.0 ft(p)	43.7	8950 Btuh
	Floor Total		205		8950 Btuh
			Zone Envelope Subtotal:		24533 Btuh

Infiltration	Type	ACH	X Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.32	15592	1696	83.2	3368 Btuh
Ductload	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.207)					5788 Btuh
Zone #1	**Sensible Zone Subtotal**					**33689 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Trent Geibeig

Project Title:
Cannon Creek Place Lot #17

Code Only
Professional Version
Climate: North

5/10/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	33689 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	33689 Btuh

EQUIPMENT

1. Electric Heat Pump/Split	#(Outside) #(Inside)	38000 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)

Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Trent Geibeig

Project Title:
Cannon Creek Place Lot #17

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 5/10/2007

This calculation is for Worst Case. The house has been rotated 90 degrees.

Component Loads for Whole House

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	25.0	0.0	25.0	19	55	1386 Btuh
2	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	60.0	0.0	60.0	19	55	3326 Btuh
3	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	30.0	0.0	30.0	19	55	1663 Btuh
4	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	20.0	0.0	20.0	19	55	1109 Btuh
5	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	30.0	0.0	30.0	19	55	1663 Btuh
6	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	6.0	6.0	0.0	19	23	112 Btuh
7	2, Clear, 0.87, B-D, N,F	N	1ft.	6ft.	5.0	0.0	5.0	19	19	93 Btuh
8	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	6.0	6.0	0.0	19	23	112 Btuh
	Window Total				182 (sqft)					9465 Btuh
Walls	Type		R-Value/U-Value		Area(sqft)				HTM	Load
1	Frame - Wood - Ext		13.0/0.09		1695.7				2.1	3537 Btuh
	Wall Total				1696 (sqft)					3537 Btuh
Doors	Type				Area (sqft)				HTM	Load
1	Insulated - Exterior				33.0				9.8	323 Btuh
2	Insulated - Exterior				38.3				9.8	375 Btuh
	Door Total				71 (sqft)					699 Btuh
Ceilings	Type/Color/Surface		R-Value		Area(sqft)				HTM	Load
1	Vented Attic/Light/Shingle		30.0		2743.0				1.3	3669 Btuh
	Ceiling Total				2743 (sqft)					3669 Btuh
Floors	Type		R-Value		Size				HTM	Load
1	Slab On Grade		0.0		205 (ft(p))				0.0	0 Btuh
	Floor Total				205.0 (sqft)					0 Btuh
							Envelope Subtotal:			17369 Btuh
Infiltration	Type		ACH		Volume(cuft)		wall area(sqft)		CFM=	Load
	SensibleNatural		0.16		15592		1696		83.2	774 Btuh
Internal gain			Occupants		Btuh/occupant				Appliance	Load
			2		X 230		+		2440	2900 Btuh
							Sensible Envelope Load:			21043 Btuh
Duct load							(DGM of 0.318)			6698 Btuh
							Sensible Load All Zones			**27741 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Trent Geibeig

Project Title:
Cannon Creek Place Lot #17

Code Only
Professional Version
Climate: North

5/10/2007

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**21043 Btuh**
	Sensible Duct Load	6698 Btuh
	Total Sensible Zone Loads	**27741 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**27741 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	1520 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	2966 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**4885 Btuh**
	TOTAL GAIN	**32627 Btuh**

EQUIPMENT

1. Central Unit/Split	#(Outside) #(Inside)	38000 Btuh

*Key: Window types (Pn - Number of panes of glass)
(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(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Trent Geibeig

Project Title:
Cannon Creek Place Lot #17

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 5/10/2007

This calculation is for Worst Case. The house has been rotated 90 degrees.

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	25.0	0.0	25.0	19	55	1386 Btuh
2	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	60.0	0.0	60.0	19	55	3326 Btuh
3	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	30.0	0.0	30.0	19	55	1663 Btuh
4	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	20.0	0.0	20.0	19	55	1109 Btuh
5	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	30.0	0.0	30.0	19	55	1663 Btuh
6	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	6.0	6.0	0.0	19	23	112 Btuh
7	2, Clear, 0.87, B-D, N,F	N	1ft.	6ft.	5.0	0.0	5.0	19	19	93 Btuh
8	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	6.0	6.0	0.0	19	23	112 Btuh
	Window Total				182 (sqft)					9465 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1695.7	2.1	3537 Btuh
	Wall Total		1696 (sqft)		3537 Btuh
Doors	Type		Area (sqft)	HTM	Load
1	Insulated - Exterior		33.0	9.8	323 Btuh
2	Insulated - Exterior		38.3	9.8	375 Btuh
	Door Total		71 (sqft)		699 Btuh
Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/Light/Shingle	30.0	2743.0	1.3	3669 Btuh
	Ceiling Total		2743 (sqft)		3669 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	205 (ft(p))	0.0	0 Btuh
	Floor Total		205.0 (sqft)		0 Btuh
				Zone Envelope Subtotal:	17369 Btuh

Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)		CFM=	Load
	SensibleNatural	0.16	15592	1696		41.6	774 Btuh
Internal gain		Occupants	Btuh/occupant			Appliance	Load
		2	X 230	+		2440	2900 Btuh
					Sensible Envelope Load:		21043 Btuh
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)					(DGM of 0.318)	6698 Btuh
					Sensible Zone Load		**27741 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Trent Geibeig

Project Title:
Cannon Creek Place Lot #17

Code Only
Professional Version
Climate: North

5/10/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**21043 Btuh**
	Sensible Duct Load	6698 Btuh
	Total Sensible Zone Loads	**27741 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**27741 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	1520 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	2966 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**4885 Btuh**
	TOTAL GAIN	**32627 Btuh**

EQUIPMENT

1. Central Unit/Split	#(Outside) #(Inside)	38000 Btuh

*Key: Window types (Pn - Number of panes of glass)
(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(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Trent Geibeig

Project Title:
Cannon Creek Place Lot #17

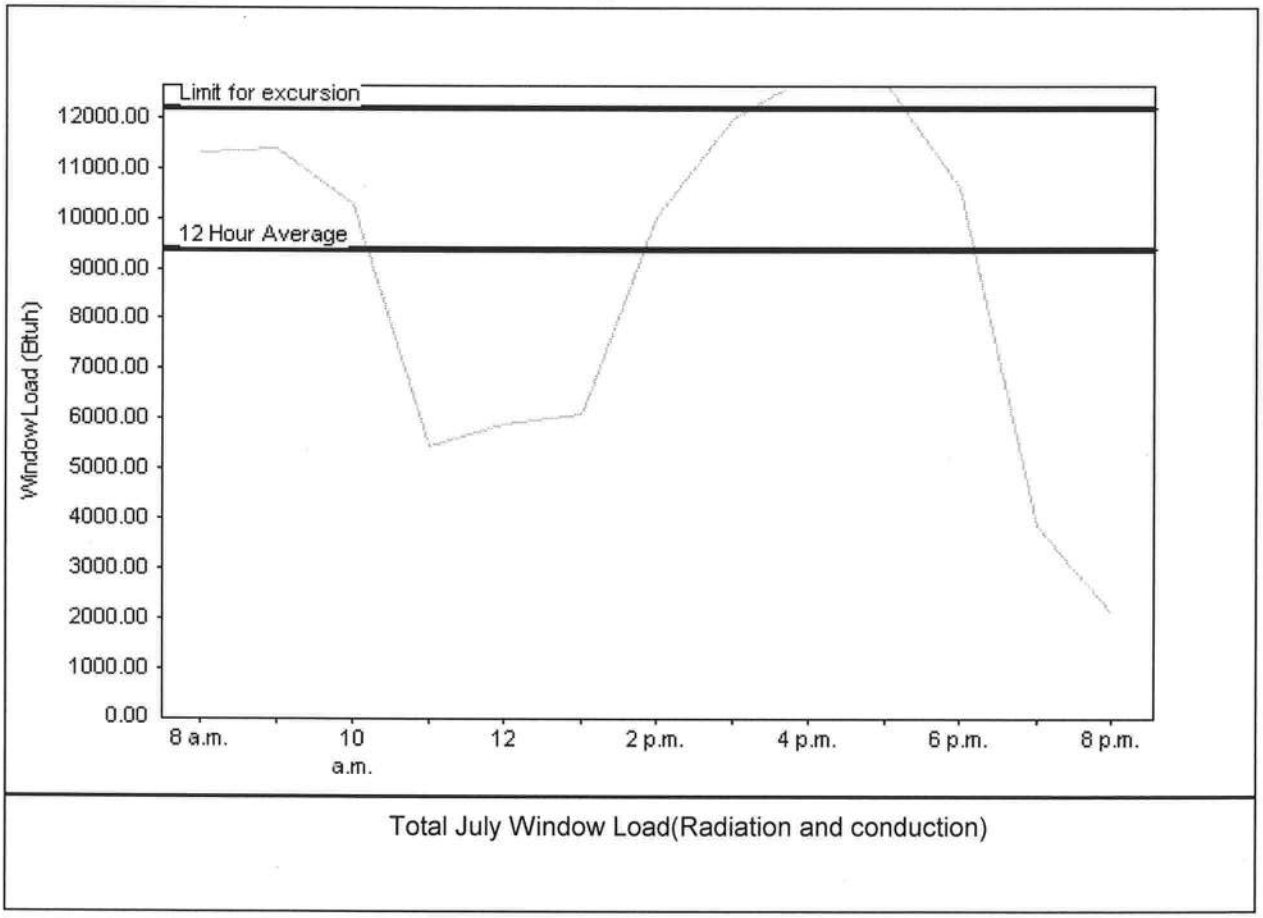
Code Only
Professional Version
Climate: North

5/10/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	9368 Btuh
Summer setpoint	75 F	Peak window load for July	12861 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	12179 Btu
Latitude	29 North	Window excursion (July)	682 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY: _____
DATE: _____

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001389

DATE 05/30/2007 PARCEL ID # 23-4S-16-03095-117

APPLICANT TRENT GIEBEIG PHONE 397-0545

ADDRESS 697 SE HOLLY TERR LAKE CITY FL 32025

OWNER PETE GIEBEIG PHONE 752-7968

ADDRESS 509 SW GERALD CONNER DR LAKE CITY FL 32055

CONTRACTOR TRENT GIEBEIG PHONE 397-0545

LOCATION OF PROPERTY 90W, TL ON SISTERS WELCOME, TL ON KICKLIGHTER, TR ON GERALD CONNER DR, PAST JOSHUA CT, 3RD LOT ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT CANNON CREEK PLACE 17

SIGNATURE X

INSTALLATION REQUIREMENTS

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

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

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

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

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

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

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

Summary Energy Code Results

Residential Whole Building Performance Method A

Trent Geibeig

Project Title:
Cannon Creek Place Lot #17

Code Only
Professional Version
Climate: North

5/10/2007

Building Loads			
Base		As-Built	
Summer:	**25526 points**	Summer:	**25864 points**
Winter:	**18897 points**	Winter:	**18353 points**
Hot Water:	**9697 points**	Hot Water:	**9697 points**
Total:	**54119 points**	Total:	**53915 points**

Energy Use			
Base		As-Built	
Cooling:	**8296 points**	Cooling:	**8422 points**
Heating:	**10469 points**	Heating:	**9615 points**
Hot Water:	**10540 points**	Hot Water:	**10316 points**
Total:	**29305 points**	Total:	**28353 points**

PASS
e-Ratio: 0.97

MIAMI-DADE
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Mi Home Products, Inc.
650 West Market Street
Gratz, PA 17030

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Betterbilt D485/D3485" Aluminum Sliding Patio Door

APPROVAL DOCUMENT: Drawing No. **S-2425,** titled "Non-Impact Aluminum Sliding Patio Door Up to 6'0 x 6'8", sheets 1 through 5 of 5, prepared by R.W. Building Consultants, Inc., dated 12/18/03, signed and sealed by Lyndon F. Schmidt, P.E., 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 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**

2/13/2004

PRODUCT CONTROL ACCEPTED

NOA No 03-1224.01
Expiration Date: March 04, 2009
Approval Date: March 04, 2004
Page 1

Mi Home Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.

Drawing No. **S-2425,** titled "Non-Impact Aluminum Sliding Patio Door Up to 6'0 x 6'8", sheets 1 through 5 of 5, prepared by R.W. Building Consultants, Inc., dated 12/18/03, signed and sealed by Lyndon F. Schmidt, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94

along with marked-up drawings and installation diagram of an aluminum patio door, prepared by Architectural Testing, Test Report No. **ATI-03064** dated 12/17/03, signed and sealed by Steven M. Urich, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300-98, and structural analysis, prepared by R.W. Building Consultants, Inc., dated 12/22/03, signed and sealed by Lyndon Schmidt, P.E.
2. Revised Anchor Calculations and structural analysis, prepared by R.W. Building Consultants, Inc., dated 02/10/03, signed and sealed by Lyndon Schmidt, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of compliance and of no financial interest, dated 12/18/03, signed and sealed by Lyndon F. Schmidt, P.E.
2. Letter from MI Home Products, Inc., dated 11/08/03, stating that they have no financial interest with the laboratory that performed the testing of their products, singed by Stu White.

G. OTHER

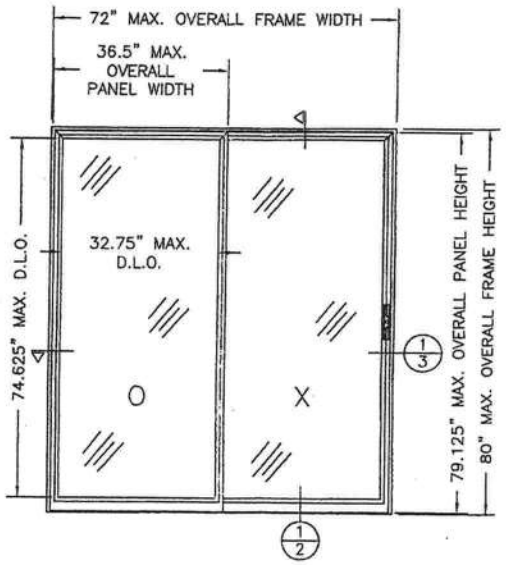
1. Letter from the consultant stating that the product is in compliance with the Florida Building Code.

Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 03-1224.01
Expiration Date: March 04, 2009
Approval Date: March 04, 2004

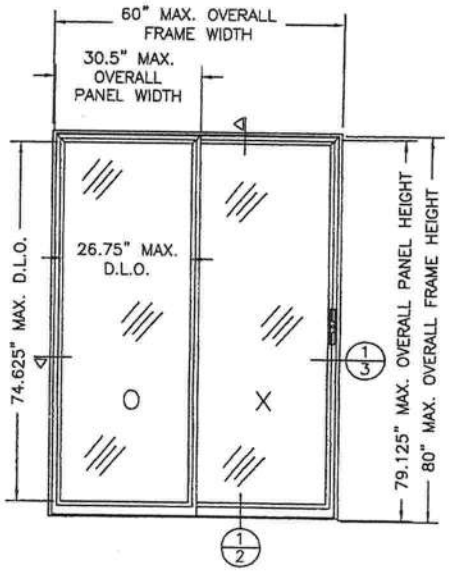
MI HOME PRODUCTS

650 WEST MARKET STREET • GRATZ, PA • 17030-0370

SERIES BETTERBILT D485/D3485 ALUMINUM SLIDING PATIO DOOR



6'0 x 6'8 PATIO DOOR



5'0 x 6'8 PATIO DOOR

ALL ELEVATIONS ARE VIEWED FROM EXTERIOR

GENERAL NOTES:

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HVHZ FLORIDA BUILDING CODE.
2. WOOD BUCKS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE AND TO BE REVIEWED BY BUILDING OFFICIAL.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. FOR DESIGN PRESSURE RATING SEE TABLE THIS SHEET.
5. INSTALLATION OF THIS SYSTEM IN HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTER/EXTERNAL PROTECTION DEVICE COMPLYING WITH HVHZ REQUIREMENTS; INSTALLATION OF THIS SYSTEM OUTSIDE OF HVHZ SHALL MEET THE APPLICABLE CODE REQUIREMENTS FOR WINDBORNE DEBRIS PROTECTION.
6. THIS PRODUCT MEETS WATER REQUIREMENTS FOR HIGH VELOCITY HURRICANE ZONES.

TABLE OF CONTENTS

DESIGN PRESSURE RATING	
+57.52 PSF	-74.0 PSF

Approved as complying with the Florida Building Code
Date 03/04/04
NOA# 03-1224.01
Miami Dade Product Control
Division
By

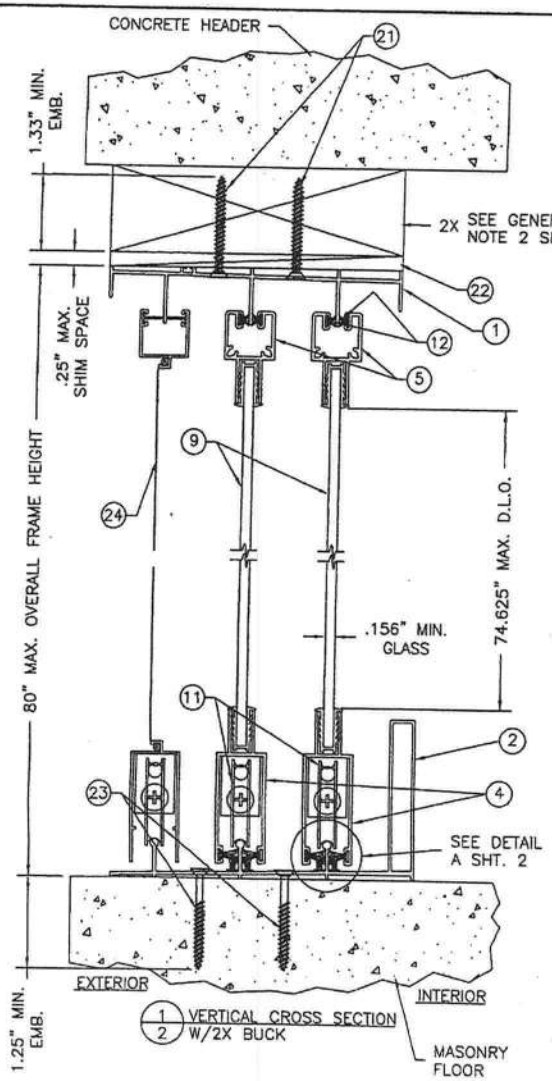
Product Approval Documents Prepared By:
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
12/22/03
Lyndon F. Schmidt, P.E. NO. 43409

PRODUCT: NON-IMPACT ALUMINUM SLIDING PATIO DOOR UP TO 6'0 x 6'8

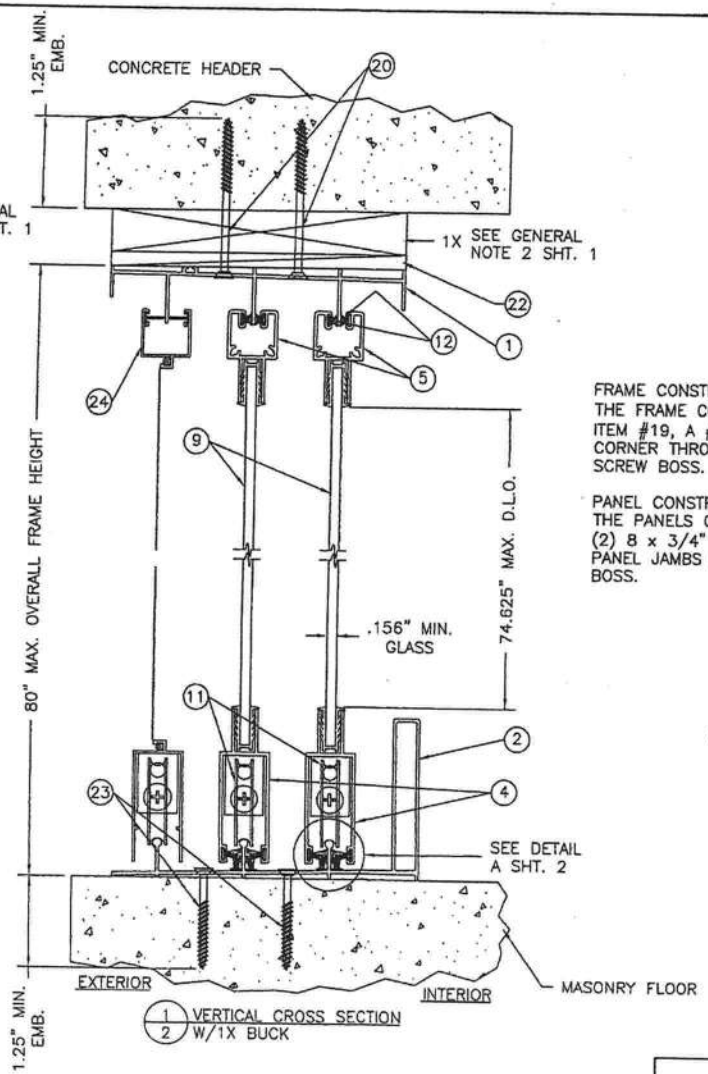
PART OR ASSEMBLY: GENERAL NOTES & TYPICAL ELEVATIONS

NO.	DATE	BY	REVISIONS

DATE: 12/18/03
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2425
SHEET 1 OF 5



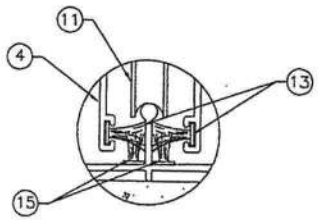
1/2 VERTICAL CROSS SECTION W/2X BUCK



1/2 VERTICAL CROSS SECTION W/1X BUCK

FRAME CONSTRUCTION NOTE:
THE FRAME CORNERS ARE BUTTED AND SECURED WITH (2) ITEM #19, A #8 x 5/8" FLAT HEAD SCREW, AT EACH CORNER THROUGH THE HEAD AND SILL INTO THE JAMB SCREW BOSS.

PANEL CONSTRUCTION NOTE:
THE PANELS CORNERS ARE BUTTED AND SECURED WITH (2) 8 x 3/4" PAN HEAD SCREWS LOCATED THROUGH THE PANEL JAMBS AND INTO THE PANEL HEAD AND SILL SCREW BOSS.



DETAIL A WEATHERSTRIP AT PANEL BOTTOM, TYP.

Approved as complying with the Florida Building Code
Date 03/04/04
NOA# 03-1224.01
Miami-Dade Product Control Division
By

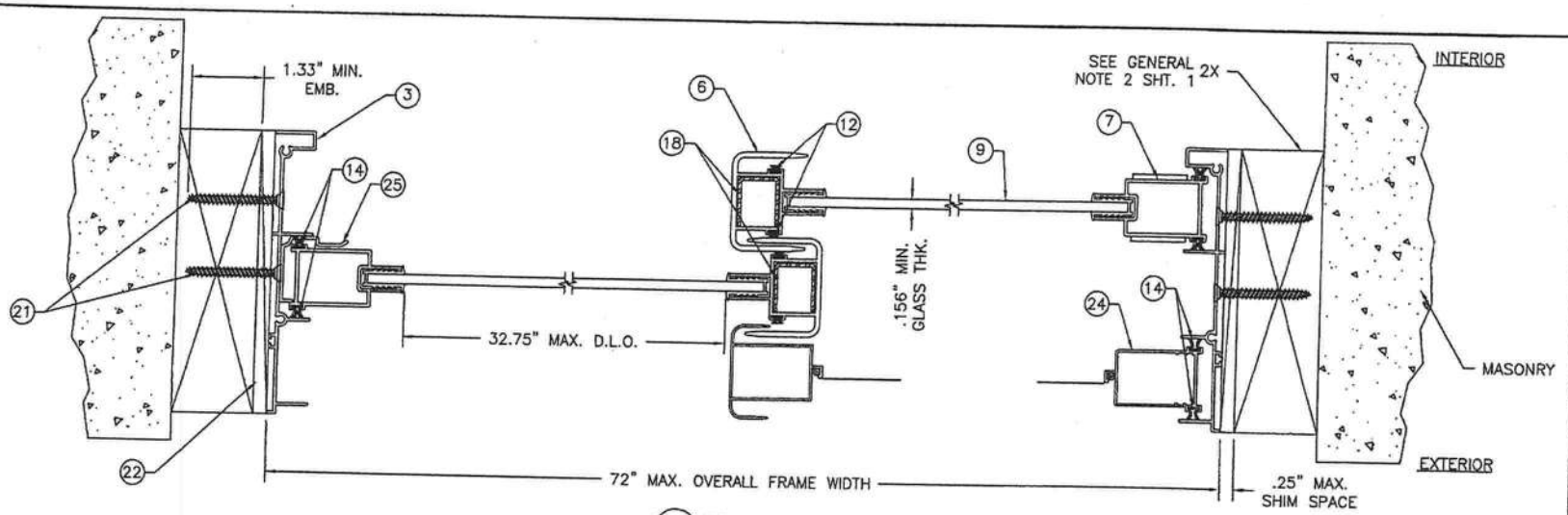
Product Approval Documents Prepared By:
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
12/22/03
Lyndon F. Schmidt, P.E. No. 43409

PRODUCT: NON-IMPACT ALUMINUM SLIDING PATIO DOOR UP TO 6'0 x 6'8

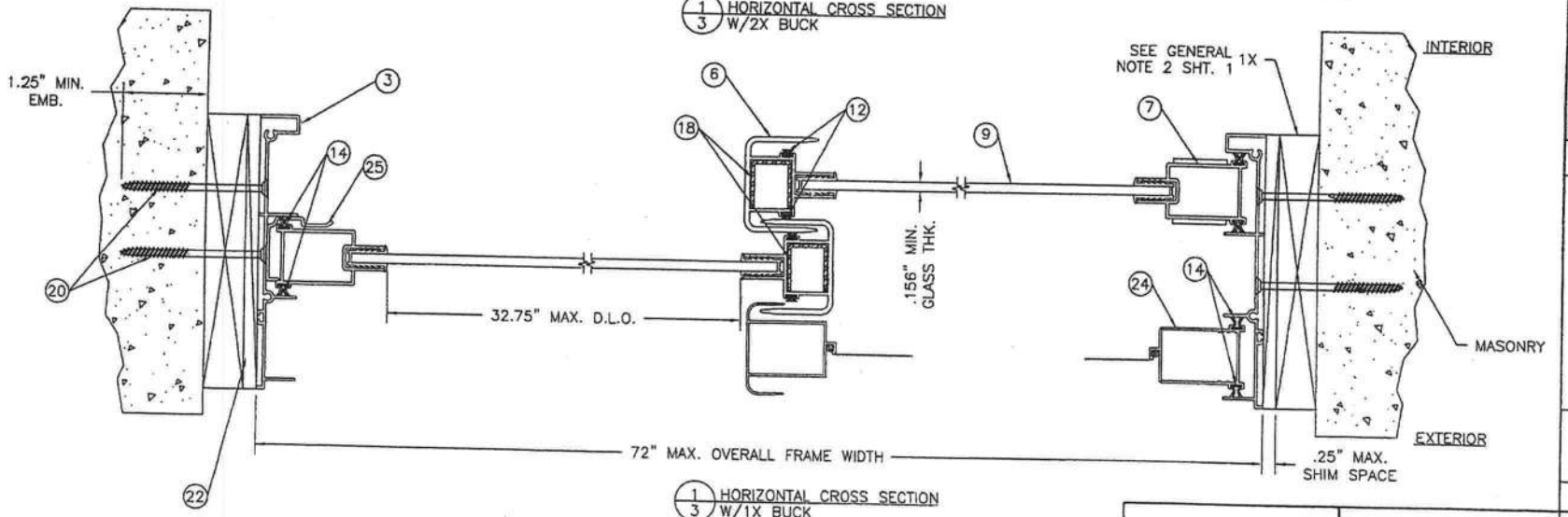
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS & CONSTRUCTION NOTES

NO.	DATE	BY
REVISIONS		

DATE: 12/18/03
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2425
SHEET 2 OF 5



1/3 HORIZONTAL CROSS SECTION W/2X BUCK



1/3 HORIZONTAL CROSS SECTION W/1X BUCK

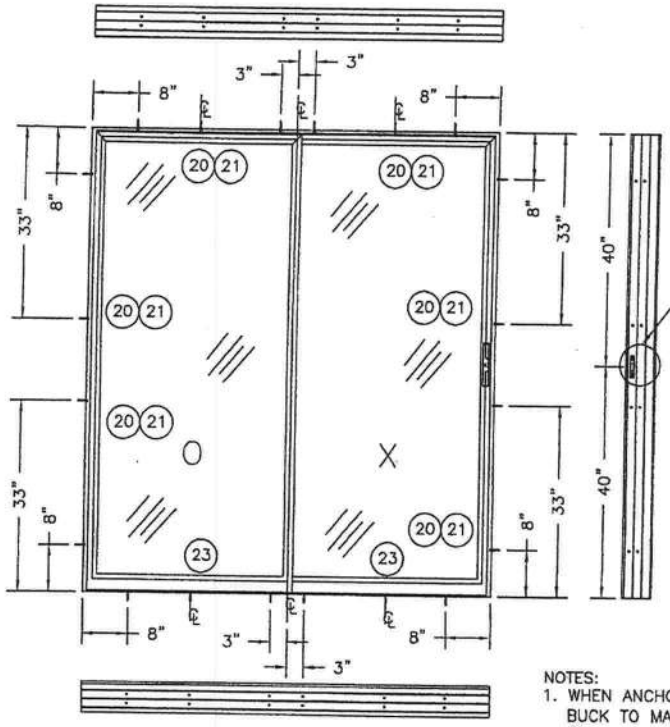
Approved as complying with the Florida Building Code
Date 03/04/04
NOA# 02-1223.01
Miami Dade Product Control
Division
By

Product Approval Documents Prepared By:
BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
12/22/03
Lyndon F. Schmidt, P.E. NO. 43409

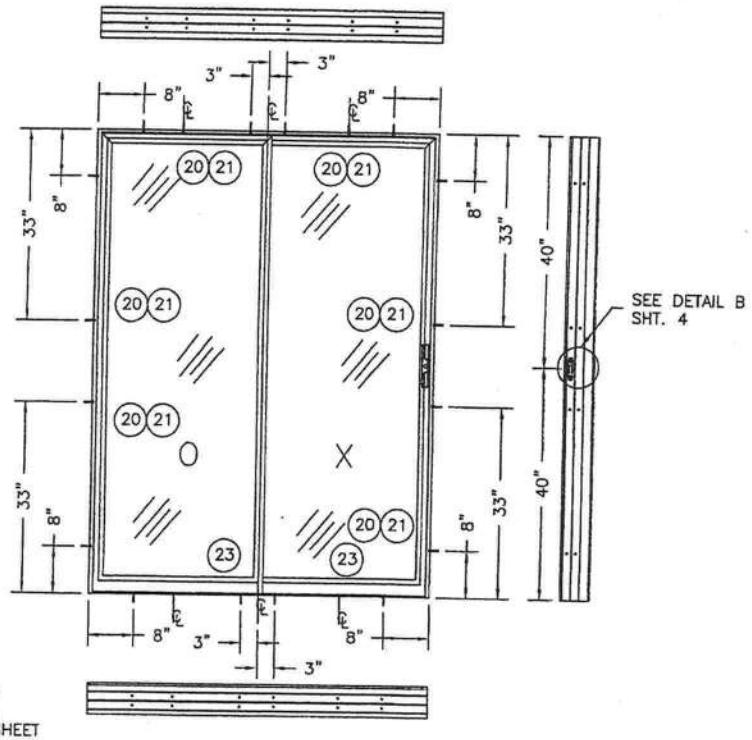
PRODUCT: NON-IMPACT ALUMINUM SLIDING PATIO DOOR UP TO 6'0 x 6'8
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO	DATE	REVISIONS	BY

DATE: 12/18/03
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2425
SHEET 3 OF 5

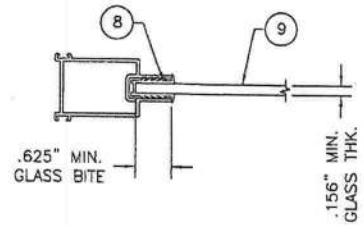


6'0 x 6'8 PATIO DOOR
SEE NOTES SHT. 4

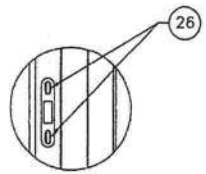


5'0 x 6'8 PATIO DOOR
SEE NOTES SHT. 4

NOTES:
1. WHEN ANCHORING THE UNIT TO A 2X BUCK TO MASONRY USE ITEM #21, A #10 x 1 3/4" PHILLIPS FLAT HEAD SHEET METAL SCREW AT THE HEAD AND SIDES.
2. WHEN ANCHORING THE UNIT THROUGH A 1X BUCK INTO MASONRY USE ITEM #20, A 3/16" x 2 3/4" TAPCON ANCHOR AT THE HEAD AND SIDES.
3. USE (2) ANCHORS PER EACH ANCHORING LOCATION SHOWN ABOVE.



5/32" TEMPERED GLASS
GLAZING DETAIL



DETAIL B
JAMB KEEPER ATTACHMENT

Approved as complying with the Florida Building Code
Date 09/04/04
NOA# 03-1219.01
Miami Dade Product Control
Division
By

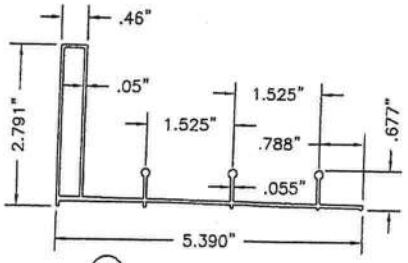
Product Approval Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
12/22/03
Lyndon F. Schmidt, P.E. NO. 43409

PRODUCT: NON-IMPACT ALUMINUM SLIDING PATIO DOOR UP TO 6'0 x 6'8
PART OR ASSEMBLY: ANCHORING LOCATIONS & GLAZING DETAILS

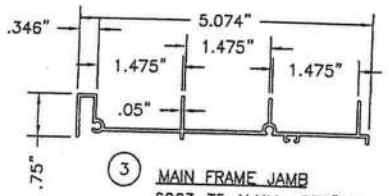
NO.	DATE	BY
REVISIONS		

DATE: 12/18/03
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2425
SHEET 4 OF 5

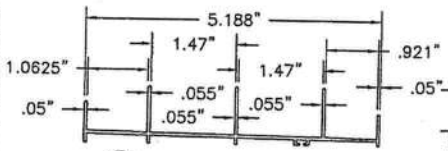
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	EXTRUDED ALUM. MAIN FRAME HEAD #4208 BY MI METALS	ALUM.
2	EXTRUDED ALUM. MAIN FRAME SILL #4235 BY MI METALS	ALUM.
3	EXTRUDED ALUM. MAIN FRAME JAMB #4210 BY MI METALS	–
4	EXTRUDED ALUM. PANEL SILL #4200 MI METALS	ALUM.
5	EXTRUDED ALUM. PANEL HEAD #4202 BY MI METALS	ALUM.
6	EXTRUDED ALUM. PANEL INTERLOCK #4204 BY MI METALS	ALUM.
7	EXTRUDED ALUM. PANEL LOCK JAMB #4206 BY MI METALS	ALUM.
8	GLAZING CHANNEL #80-02-4202 BY MI PLASTICS	V-FLEX
9	GLAZING 5/32" TEMPERED GLASS	GLASS
10	MORTISE HANDLE SET #99-04-150 BY THRUTH HARDWARE	STEEL
11	TANDEM PANEL ROLLER #99-17-195 BY ULTRA	STEEL
12	CENTER FIN SEAL .180 x .250 PANEL HEAD & INTERLOCK BY AMESBURY	SYN. PILE
13	SIDE FIN SEAL .180 x .350 PANEL SILL BY AMESBURY	SYN. PILE
14	CENTER FIN SEAL .187 x .290 PANEL JAMB BY AMESBURY	SYN. PILE
15	NO FIN SEAL .270 x .290 SILL BY AMESBURY	SYN. PILE
16	#6 x 3/4" SQ. DR. SCREW PANEL HEAD TO JAMB	STEEL
17	1/4"-20 x 3/4" SQ. DR. SCREW FOR PANEL ASSEMBLY	STEEL
18	INTERLOCK REINFORCEMENT #99-17-525 BY MAGNOLIA METALS	STEEL
19	#8 x 5/8" FLAT HEAD SCREW FRAME CORNERS	STEEL
20	3/16" x 2 3/4" TAPCON ANCHOR	STEEL
21	#10 x 1 3/4" SHEET METAL SCREW	STEEL
22	1/4" MAX. SHIM MATERIAL	–
23	3/16" x 1 3/4" TAPCON ANCHOR	STEEL
24	ROLLING SCREEN DOOR ASSEMBLY	–
25	EXTRUDED ALUM. PANEL RETAINER #4222 BY MI METALS	ALUM.
26	#8 x 2" PHILLIPS PAN HEAD SHEET METAL SCREW	STEEL



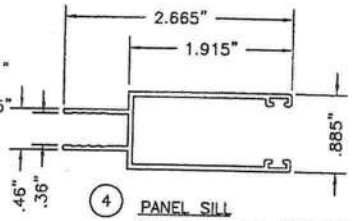
(2) MAIN FRAME SILL
6063-T5 ALUM. .050" MIN.
#4235 BY MI METALS



(3) MAIN FRAME JAMB
6063-T5 ALUM. .050" MIN.
#4210 BY MI METALS



(1) MAIN FRAME HEAD
6063-T5 ALUM. .050" MIN.
#4208 BY MI METALS



(4) PANEL SILL
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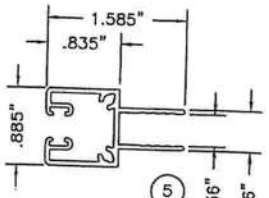
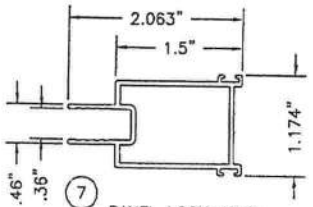
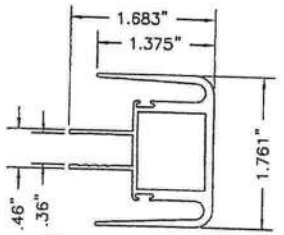
#4200 BY MI METALS



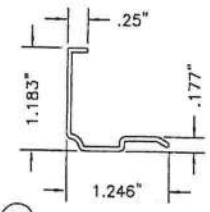
(5) PANEL HEAD
6063-T5 ALUM. .055" MIN.
#4202 BY MI METALS



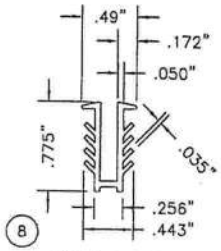
(7) PANEL LOCK JAMB
6063-T5 ALUM. .055" MIN.
#4206 BY MI METALS



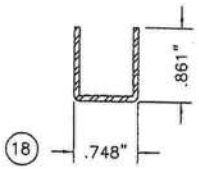
(6) PANEL INTERLOCK
6005-T5 ALUM. .055" MIN.
#4204 BY MI METALS



(25) PANEL RETAINER
6063-T5 ALUM. .055" MIN.
#4222 BY MI METALS



(8) GLAZING CHANNEL
V-FLEX
#80-02-4202
BY MI PLASTICS



(18) INTERLOCK REINFORCEMENT
.060" THK. GALVANIZED STEEL
#99-17-525 BY MAGNOLIA METALS

Approved as complying with the Florida Building Code
Date 03/04/04
NOA# 03-0122.01
Miami-Dade Product Control
Division
By

Product Approval Documents Prepared By:
BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
12/22/03
Lyndon F. Schmidt, P.E. NO. 43409

PRODUCT: NON-IMPACT ALUMINUM SLIDING PATIO DOOR UP TO 6'0 x 6'8

PART OR ASSEMBLY: BILL OF MATERIALS & UNIT COMPONENTS

NO.	DATE	BY
REVISIONS		

DATE: 12/18/03
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2425
SHEET 5 OF 5

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Therma-Tru Corporation
108 Mutzfeld Rd.
Butler, IN 46721

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: Premium Series 6'8 Opaque Steel Door w & wo sidelites (OS)

APPROVAL DOCUMENT: Drawing No. S-2149, titled ""Premium Series" 6-8 Single & Double Out-swing Steel Door", sheets 1 through 8, prepared by RW Building Consultants, Inc., dated 3/28/02, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact and Non-Impact

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

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

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

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

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

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

THERMA-TRU®

"PREMIUM SERIES" OUTSWING 6-8 SINGLE AND DOUBLE W/& W/OUT SIDELITES. INSULATED STEEL DOOR WITH WOOD FRAMES.

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. DESIGNED PRESSURE RATING SEE TABLE PAGE 1.
5. MIAMI-DADE APPROVED IMPACT RESISTANT SHUTERS ARE REQUIRED FORE SIDELITES ONLY.
6. SIDELIES ARE AN OPTION AND CAN BE USED IN A SINGLE OR DOUBLE CONFIGURATION.
7. LOW PROFILE OUTSWING BUMP THRESHOLD RATED FOR +55.0 PSF & -55.0 PSF ON WATER FOR SINGLEUNITS.

INSULATED STEEL DOOR
(Common to all frame conditions)

Door & Sidelite Panel Construction:

Face sheets: 24 GA.(0.022")minimum thickness, Galvanized steel A-525 commercial quality - AKDQ per ASTM 620 with yield strength Fy(min.)=38,438 psi

Core design: Polyurethane foam core, with1.9 lbs. density by BASF.

Door Panel Construction: Flush or embossed type. The vertical edges of the skin, rolled formed to provide a mechanical interlock with finger jointed pine stiles. Wood end rails are butt jointed and pressure fitted with contact cement to the wood stiles at the corners.

Sidelite Panel Construction and Glazing: The vertical edges of the skin are rolled formed to provide a mechanical interlock with finger jointed pine stiles. Wood end rails are butt jointed to the wood stiles at the corners. The sidelite panels are sandwich glazed using a two piece lite frame.

Frame Construction: The frame is constructed from finger jointed Ponderosa Pine measuring 4.656" wide x 1.25" thick. The header is joined to the side jambs with (3) 16ga. 1/2" crown x 2" long staples at each side. The threshold is joined to the side jambs with (2) 16ga. 1/2" crown x 2.5" long staples at each side. The mullions are secured together in a sidelite application using #8 x 2 1/2" long PFH Wood Screws (6) screws per each mullion. The unit uses an Outswing Bumpface threshold, either Low Profile or High Water Dam.

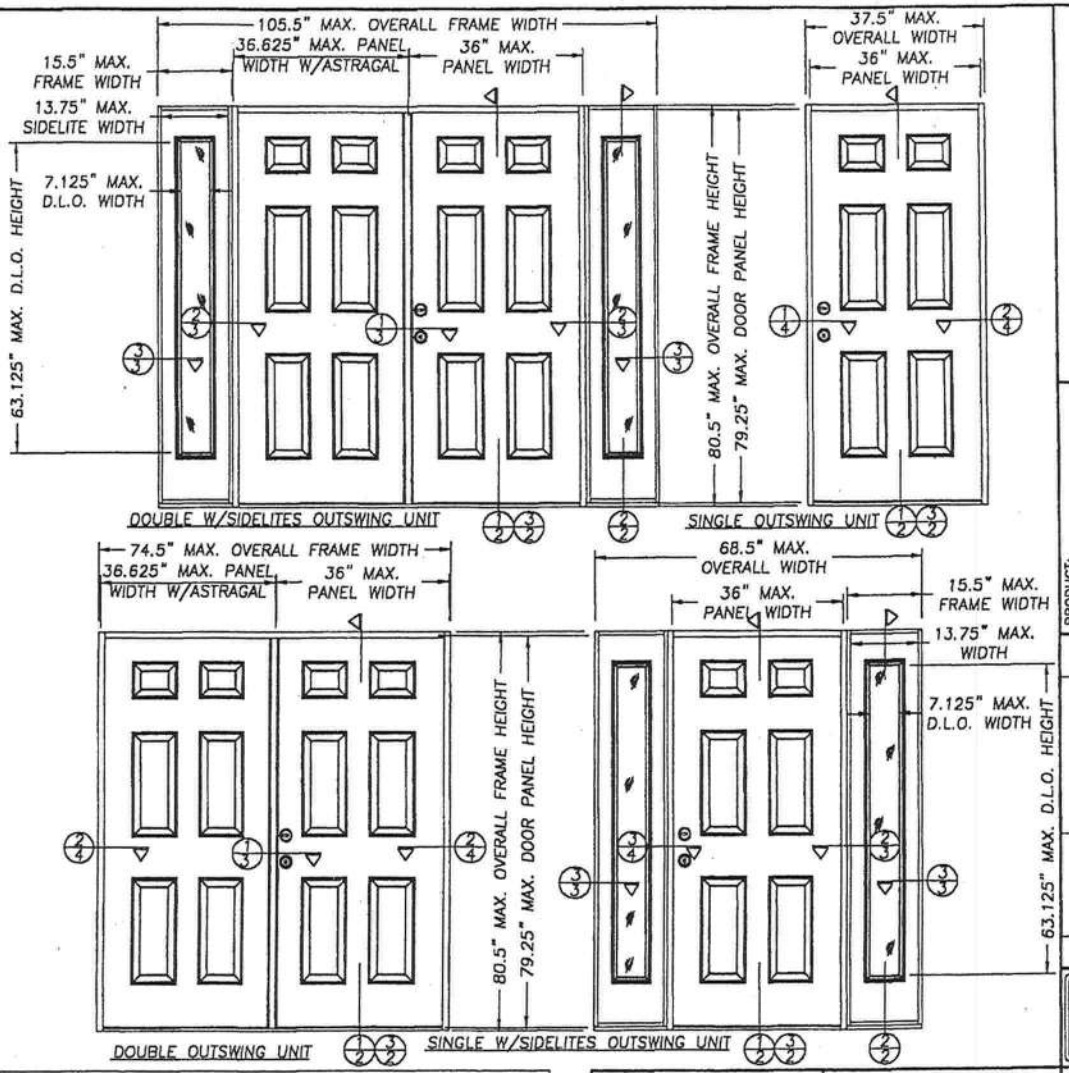


TABLE OF CONTENTS

DESIGN PRESSURE RATING

UNIT TYPE	W/LOW PROFILE BUMP THRESHOLD	W/HIGH DAM BUMP THRESHOLD
SINGLE	+ 55.0 PSF - 67.0 PSF	+ 75.0 PSF - 75.0 PSF
DOUBLE	NOT APPROVED FOR WATER	+ 65.0 PSF - 65.0 PSF
SINGLE W/SIDELITES	+ 55.0 PSF - 67.0 PSF	+ 65.0 PSF - 65.0 PSF
DOUBLE W/SIDELITES	NOT APPROVED FOR WATER	+ 65.0 PSF - 65.0 PSF

Approved as complying with the Florida Building Code
Date JUNE 20, 2002
NOA# 01-0829.04
Miami Dade Product Control Division
By

THERMA-TRU®
108 MUTZFELD Rd.
BUTLER, IN 46721
PH. (219) 868-5811

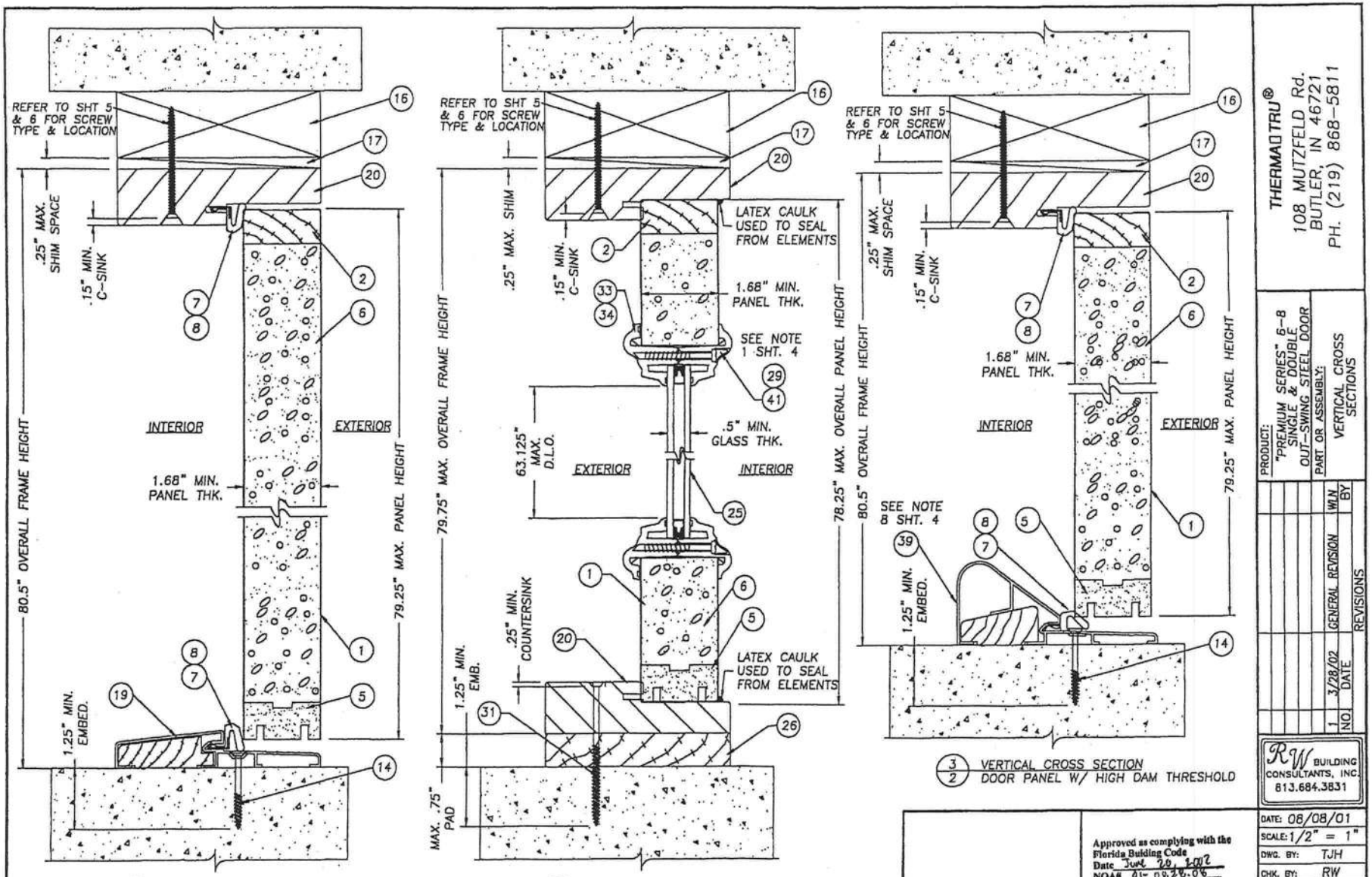
PRODUCT: "PREMIUM SERIES" 6-8 SINGLE & DOUBLE OUT-SWING STEEL DOOR

PART OR ASSEMBLY: TYPICAL ELEVATIONS & GENERAL NOTES

NO.	DATE	REVISIONS	BY
1	3/28/02	GENERAL REVISION	WJH

RW BUILDING CONSULTANTS, INC.
813.684.3831

DATE: 08/08/01
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2149
SHEET 1 OF 8



1/2 VERTICAL CROSS SECTION
DOOR PANEL W/ LOW PROFILE BUMP THRESHOLD

2/2 VERTICAL CROSS SECTION
SIDELITE PANEL

3/2 VERTICAL CROSS SECTION
DOOR PANEL W/ HIGH DAM THRESHOLD

Approved as complying with the Florida Building Code
Date June 20, 2002
NOA# 01-0926.06
Miami Dade Product Control Division
By

THERMA TRU®
108 MUTZFELD Rd.
BUTLER, IN 46721
PH. (219) 868-5811

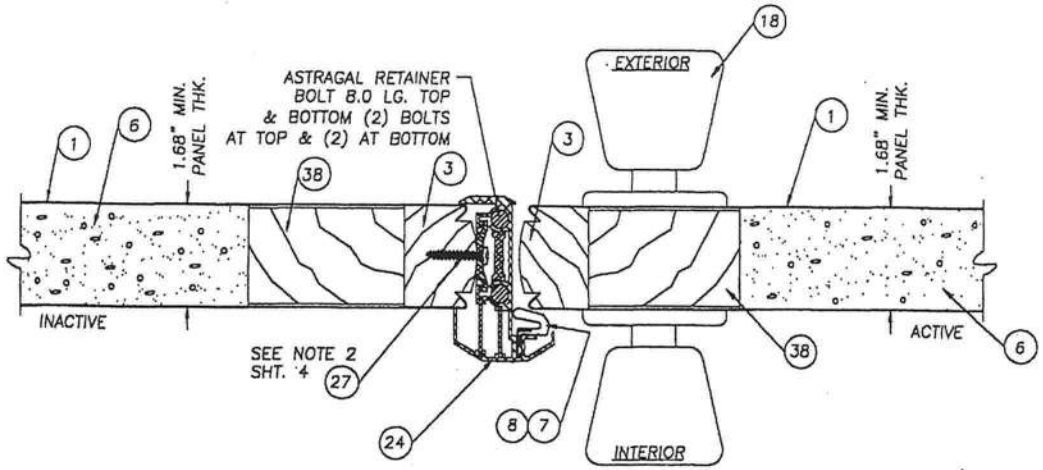
PRODUCT: "PREMIUM SERIES" 6-8 SINGLE & DOUBLE OUT-SWING STEEL DOOR

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

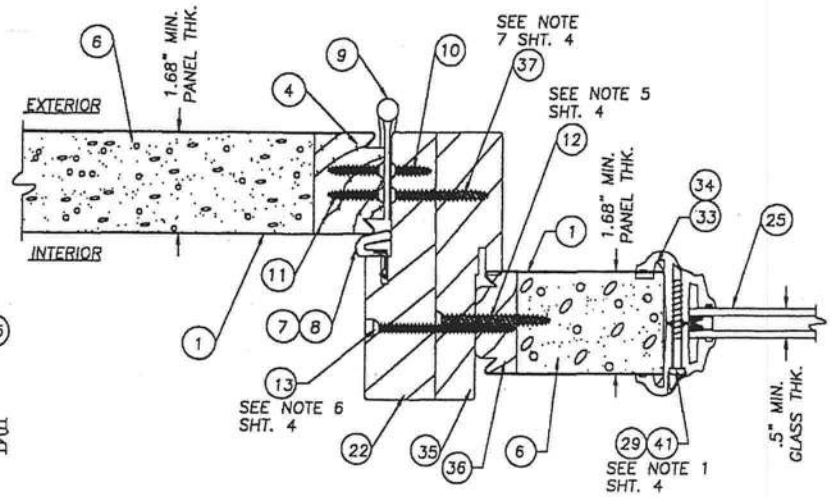
NO.	DATE	REVISIONS	BY
1	3/28/02	GENERAL REVISION	WLN

RW BUILDING CONSULTANTS, INC.
813.684.3831

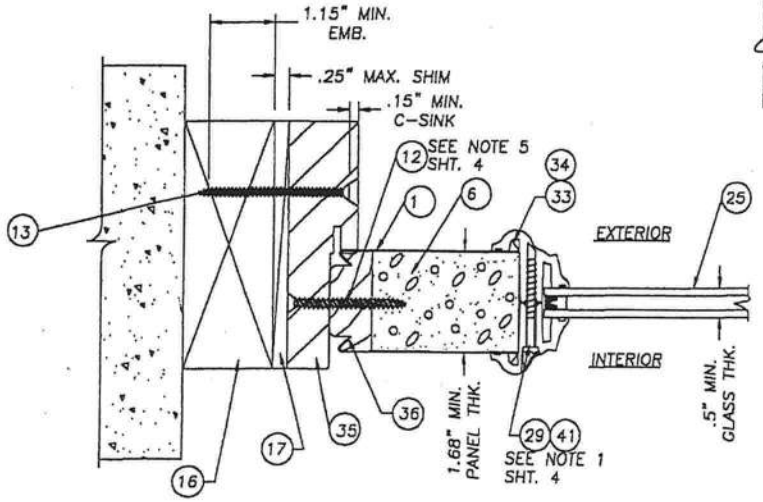
DATE: 08/08/01
SCALE: 1/2" = 1"
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2149
SHEET 2 OF 8



1/3 HORIZONTAL CROSS SECTION @ ASTRAGAL



2/3 HORIZONTAL CROSS SECTION @ HINGE JAMB TO SIDELITE



3/3 HORIZONTAL CROSS SECTION @ SIDELITE TO BUCK

Approved as complying with the Florida Building Code
Date June 20, 2002
NOA# 01-0328.04
Miami Dade Product Control Division
By

THERMA TRU®
108 MUTZFELD Rd.
BUTLER, IN 46721
PH. (219) 868-5811

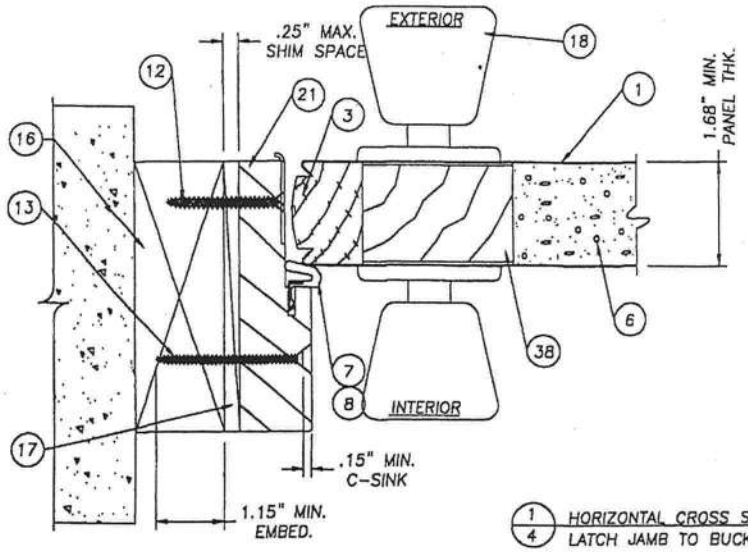
PRODUCT: "PREMIUM SERIES" 6-8 SINGLE & DOUBLE OUT-SWING STEEL DOOR

PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

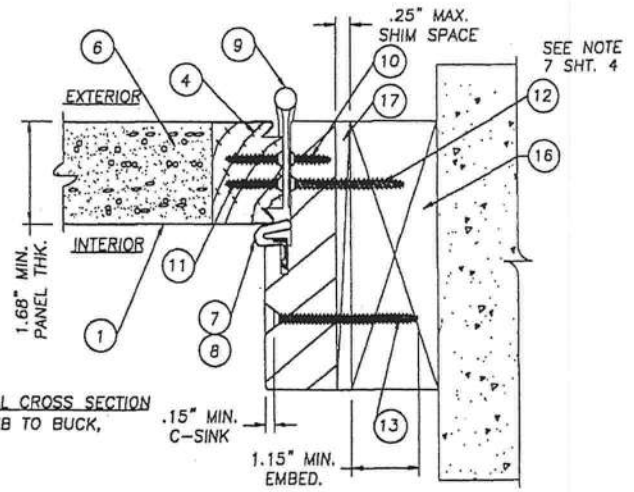
NO.	DATE	REVISIONS	BY
1	3/28/02	GENERAL REVISION	WLN

RW BUILDING CONSULTANTS, INC.
813.684.3831

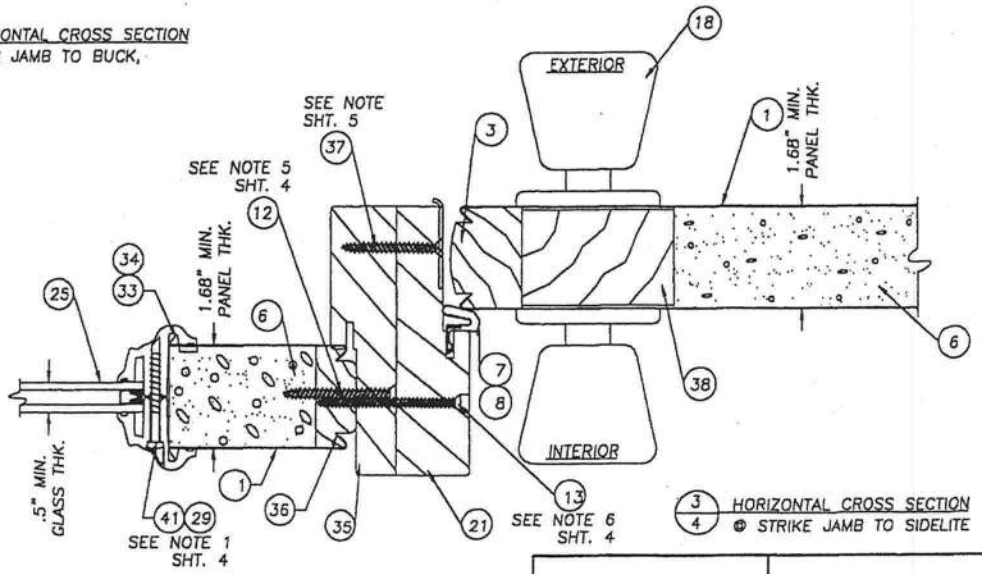
DATE: 08/08/01
SCALE: 1/2" = 1"
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2149
SHEET 3 OF 8



1/4 HORIZONTAL CROSS SECTION
LATCH JAMB TO BUCK,



2/4 HORIZONTAL CROSS SECTION
HINGE JAMB TO BUCK,



3/4 HORIZONTAL CROSS SECTION
@ STRIKE JAMB TO SIDELITE

NOTES:

1. SPACING FOR ITEM #29 & #41 (LITE FRAME SCREWS) IS AS FOLLOWS: FROM THE TOP DOWN ON SIDES; 3", 14.75", 26.5", 38.25", 50.5" & 62.25". THERE IS (1) SCREW BOTH TOP AND BOTTOM AT 4.25" IN FROM CORNER.
2. SPACING FOR ITEM #27 #8 x 1" PANHEAD SCREW ATTACHING THE ASTRAGAL TO THE INACTIVE DOOR IS AS FOLLOWS: FROM THE BOTTOM UP AND TOP DOWN 1", 3", 5", 26" AND (1) MORE 6" UP FROM THE STRIKE LOCATION.
3. THE HEAD JAMB IS ATTACHED TO THE SIDE JAMBS WITH (3) 16GA. x 1/2" CROWN x 2" STAPLES AT BOTH SIDE.
4. THE THRESHOLD IS ATTACHED TO THE SIDE JAMBS WITH (2) 16GA. x 1/2" CROWN x 2.5" STAPLES AT BOTH SIDE.
5. THE SIDELITE IS DIRECT SET INTO THE JAMB WITH ITEM #12 #10 x 2" PH.F.H. WOOD SCREW AT 6" DOWN FROM EACH CORNER AND A MAX. OF 12" O.C. ON THE SIDE JAMBS ONLY.
6. SPACING FOR ITEM #13, A #8 x 2 1/2" SCREW SECURING THE MULLIONS TOGETHER IS THE SAME AS THE PERIMETER ANCHORING SCREWS. 6" DOWN FROM THE TOP AND UP FROM THE BOTTOM WITH (4) MORE SPACED AT 13.7" O.C.
7. WHEN ATTACHING THE HINGE TO THE JAMB AND THE BUCK USE ITEM #12 A #10 x 2" SCREW. WHEN ATTACHING THE HINGE TO THE JAMB AND THE SIDELITE AT THE MULLION USE ITEM #37 A #10 x 1 3/4" SCREW.
8. ITEM #39, THE HIGH DAM THRESHOLD IS ONLY USED IN AN APPLICATION WHERE A HIGHER WATER PRESSURE MUST BE ACHIEVED.

Approved as complying with the Florida Building Code
Date June 10, 2002
NOA# 01-0528.06
Miami Dade Product Control Division
By

THERMA-TRU®
108 MUTZFELD Rd.
BUTLER, IN 46721
PH. (219) 868-5811

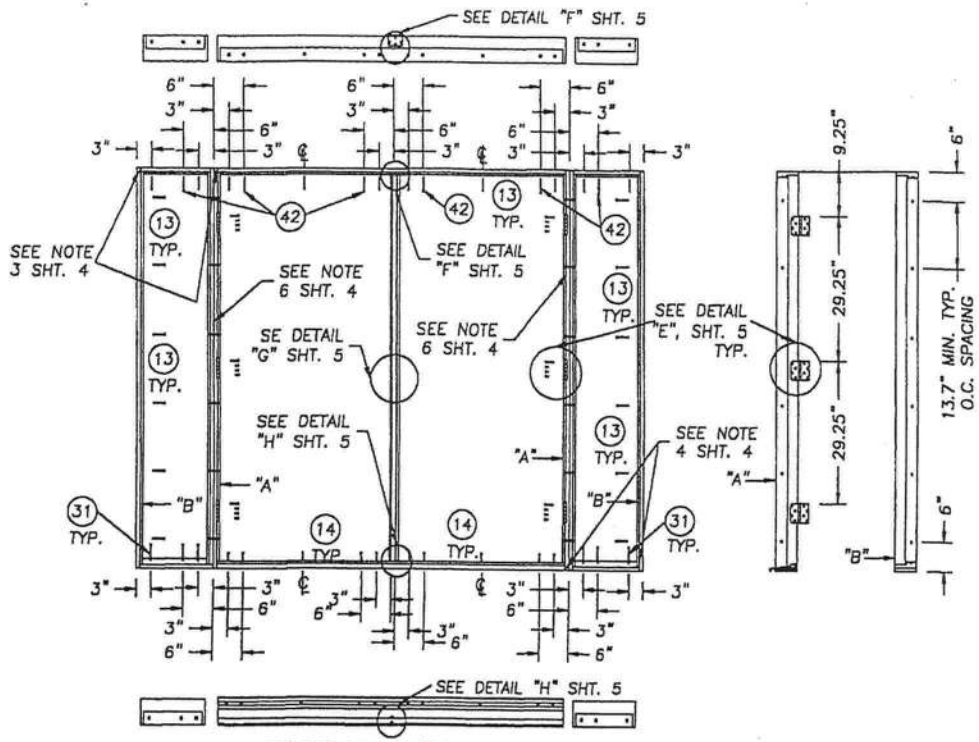
PRODUCT: "PREMIUM SERIES" 6-8 SINGLE & DOUBLE OUT-SWING STEEL DOOR

PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS & NOTES

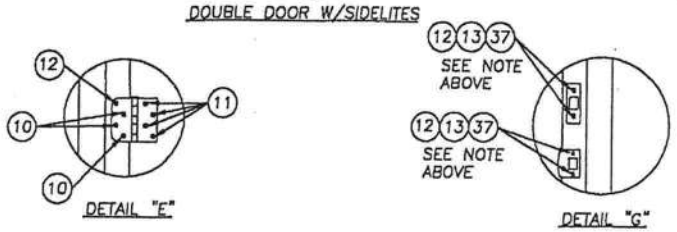
NO.	DATE	REVISIONS	BY
1	3/28/02	GENERAL REVISION	WLN

RW BUILDING CONSULTANTS, INC. 813.684.3831

DATE: 08/08/01
SCALE: 1/2" = 1"
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2149
SHEET 4 OF 8

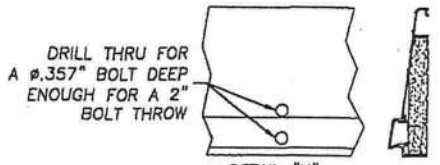


DOUBLE DOOR W/SIDELITES

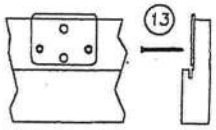


DETAIL "E"

DETAIL "G"

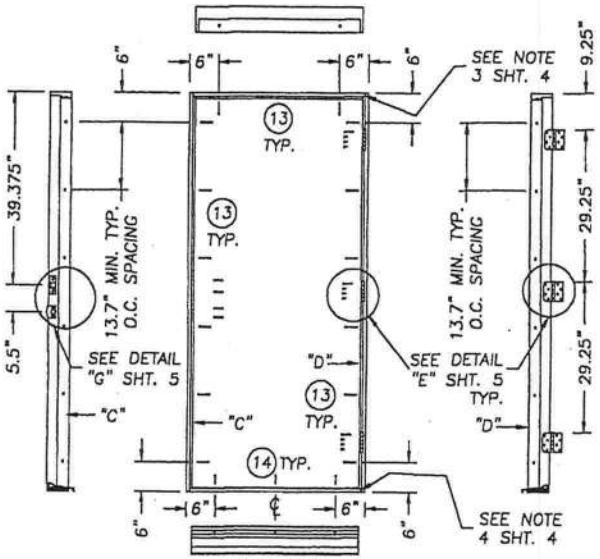


DETAIL "H"
ASTRAGAL THROW BOLTS AT THE THRESHOLD



DETAIL "F"
ATTACH ASTRAGAL THROW BOLT STRIKE PLATE TO FRAME AS SHOWN.

NOTE:
WHEN ATTACHING THE STRIKE & DEADBOLT PLATES TO THE STRIKE JAMB AND BUCK USE A #10 x 2" SCREW. WHEN ATTACHING THE STRIKE & DEADBOLT PLATES TO THE ASTRAGAL USE A #8 x 2 1/2' SCREW. WHEN ATTACHING THE STRIKE & DEADBOLT PLATES TO THE STRIKE JAMB AND SIDELITE JAMB USE A #10 x 1 3/4" SCREW.



SINGLE DOOR

Approved as complying with the Florida Building Code
Date June 20, 2002
NOA# 01-0828.08
Miami Dade Product Control Division
By

THERMA TRU®
108 MUTZFELD Rd.
BUTLER, IN 46721
PH. (219) 868-5811

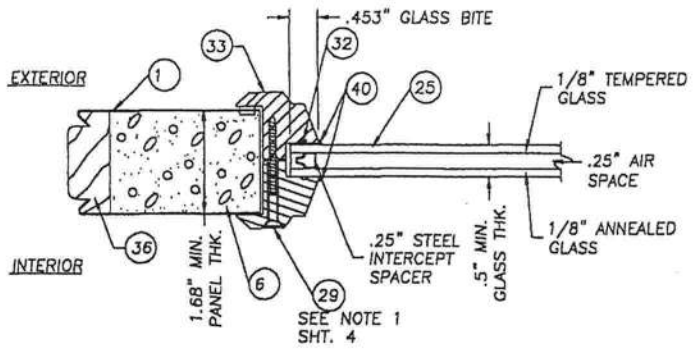
PRODUCT: "PREMIUM SERIES" 6-8 SINGLE & DOUBLE OUT-SWING STEEL DOOR

PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

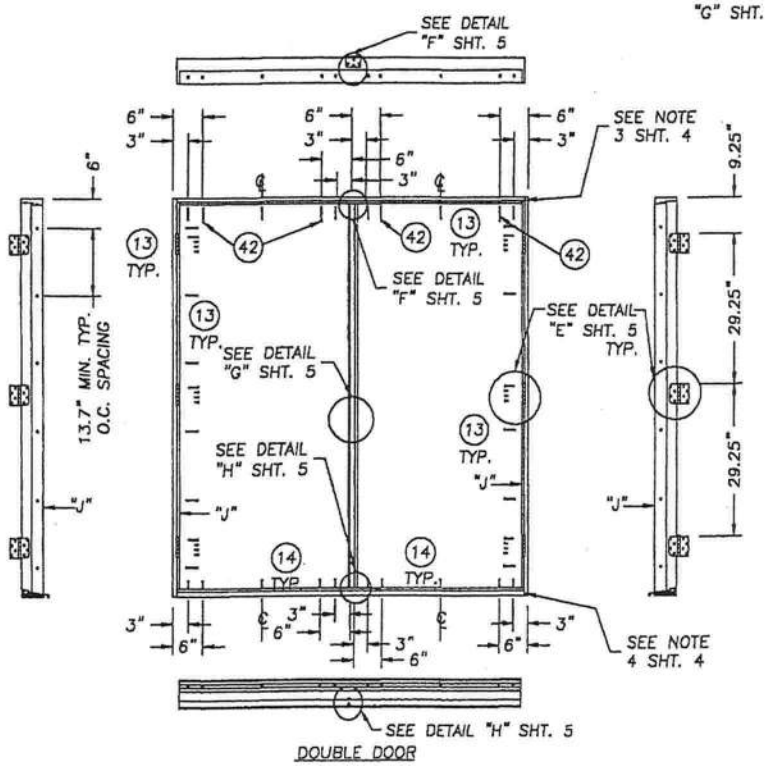
NO.	DATE	REVISIONS	BY
1	3/28/02	GENERAL REVISION	W.N

RW BUILDING CONSULTANTS, INC.
813.684.3831

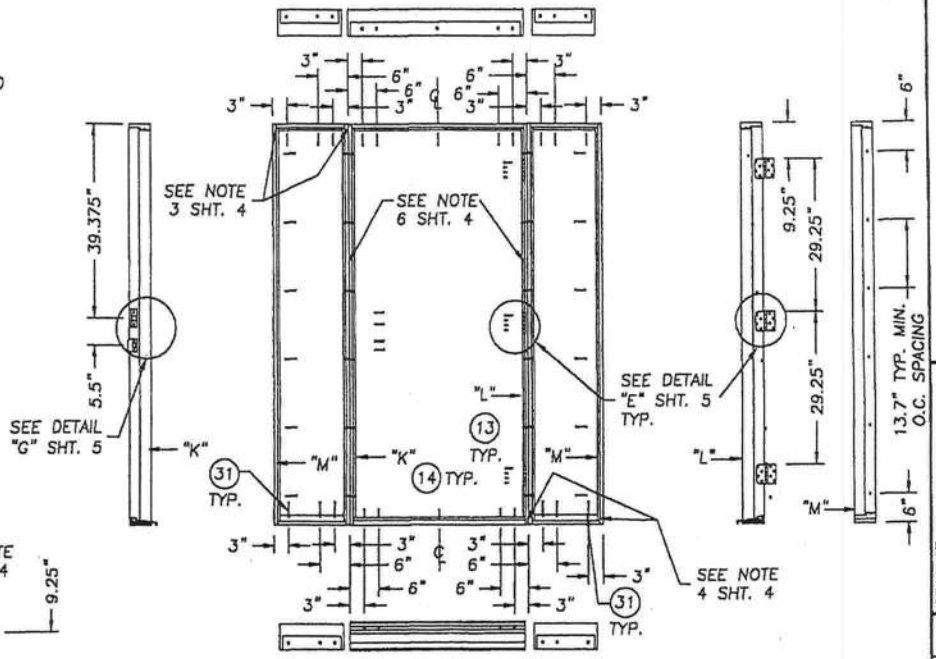
DATE: 08/08/01
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2149
SHEET 5 OF 8



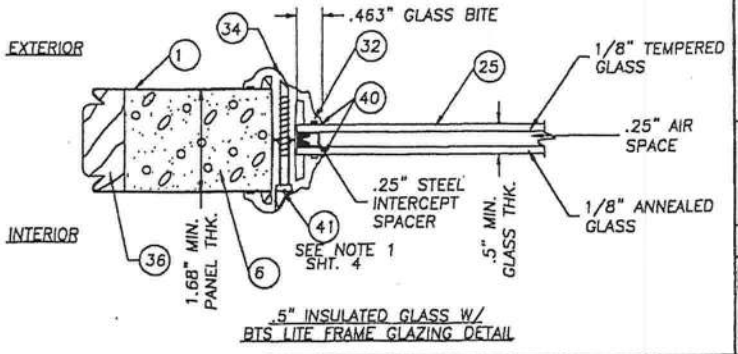
.5" INSULATED GLASS W/ PVC LITE FRAME GLAZING DETAIL



DOUBLE DOOR



SINGLE DOOR W/SIDELITES



.5" INSULATED GLASS W/ BTS LITE FRAME GLAZING DETAIL

THERMA-TRU®
108 MUTZFELD Rd.
BUTLER, IN 46721
PH. (219) 868-5811

PRODUCT: "PREMIUM SERIES" 6-8 SINGLE & DOUBLE OUT-SWING STEEL DOOR

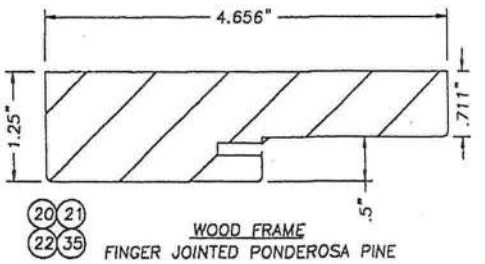
PART OR ASSEMBLY: ANCHORING LOCATIONS & GLAZING DETAILS

NO.	DATE	REVISIONS	BY
1	3/28/02	GENERAL REVISION	WLN

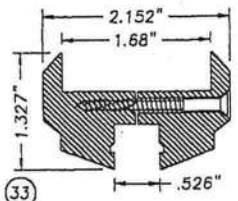
RW BUILDING CONSULTANTS, INC. 813.684.3631

Approved as complying with the Florida Building Code
Date Jun 20, 2002
NOA# 01-0928.08
Miami Dade Product Control Division
By

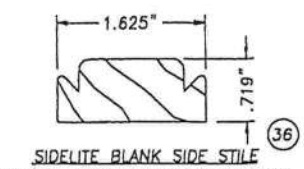
DATE: 08/08/01
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2149
SHEET 6 OF 8



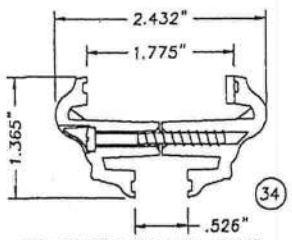
WOOD FRAME
FINGER JOINTED PONDEROSA PINE



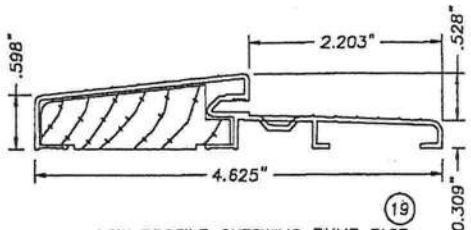
PLASTIC LIP LITE FRAME
EXTRUDED PVC



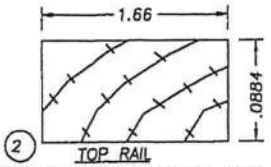
SIDELITE BLANK SIDE STILE
FINGER JOINTED PONDEROSA PINE



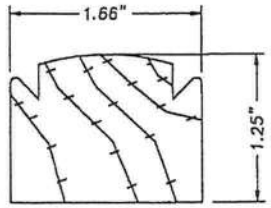
BTS PLASTIC LIP LITE FRAME
EXTRUDED BTS



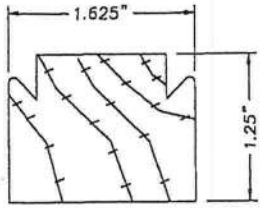
LOW PROFILE OUTSWING BUMP FACE
ALUMINUM/WOOD THRESHOLD
.050" WALL TYP.



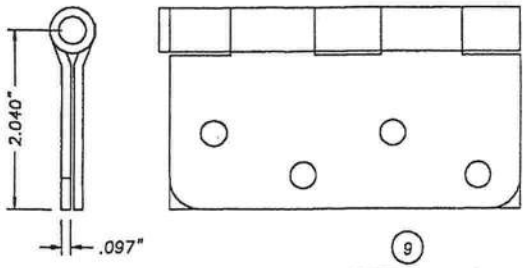
TOP RAIL
FINGER JOINTED PONDEROSA PINE



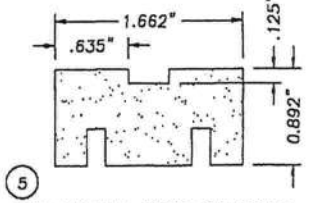
WOOD LATCH SIDE STILE



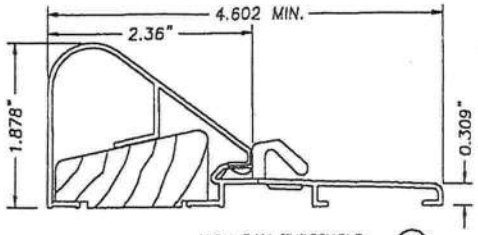
WOOD HINGE SIDE STILE



4 x 4 STEEL DOOR HINGE



BOTTOM RAIL, WOOD COMPOSITE



HIGH DAM THRESHOLD
MIN. WALL THK. = 0.050"
SEE NOTE 8 SHT. 4

NOTE
ALL DIMENSIONS ARE MINIMUM.
DIMENSIONS ARE THE LARGEST TESTED.

Approved as complying with the Florida Building Code
Date June 26, 2002
NOA# 01-0628.08
Miami Dade Product Control Division
By

THERMA-TRU®
108 MUTZFELD Rd.
BUTLER, IN 46721
PH. (219) 868-5811

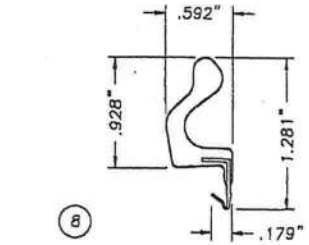
PRODUCT: "PREMIUM SERIES" 6-8 SINGLE & DOUBLE OUT-SWING STEEL DOOR
PART OR ASSEMBLY: UNIT COMPONENTS

NO.	DATE	REVISIONS	BY
1	3/28/02	GENERAL REVISION	WLM

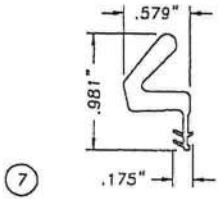
RW BUILDING CONSULTANTS, INC.
813.684.3831

DATE: 06/08/01
SCALE: N.T.S
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2149
SHEET 7 OF 8

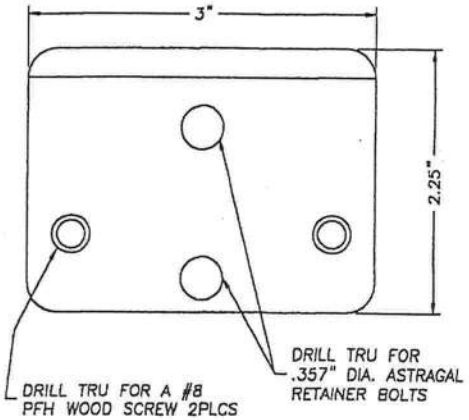
Item	DESCRIPTION	Material
1	DOOR SKIN; PREMIUM SERIES 24GA. (.022" MIN.)	STEEL
2	TOP RAIL (1.628" x .851" THERMA-TRU PONDEROSA PINE)	WOOD
3	LATCH STILE (THERMA-TRU, PONDEROSA PINE 1.66" x 1.253")	WOOD
4	HINGE STILE (THERMA-TRU, PONDEROSA PINE 1.625" x 1.25")	WOOD
5	BOTTOM RAIL (1.662" x 0.892" THERMA-TRU WOOD COMPOSITE)	WOOD COMPOSITE
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSITY)	FOAM
7	SHORT REACH COMPRESSION WEATHERSTRIP (THREMA-TRU)	FOAM
8	LONG REACH COMPRESSION WEATHERSTRIP (THREMA-TRU)	FOAM
9	4" x 4" HINGE .097" THK. (THERMA-TRU)	STEEL
10	#10 x 3/4" lg. PFH WOOD SCREW (Hinge to Frame)	STEEL
11	#10 x 1" LG. PFH WOOD SCREW	STEEL
12	#10 x 2" LG. PFH WOOD SCREW	STEEL
13	#8 x 2 1/2" LG. PFH WOOD SCREW	STEEL
14	3/16" TAPCON ANCHOR (ELCO, 1.75" MIN. LG.)	STEEL
15	NOTE USED	
16	2x WOOD BUCK	WOOD
17	MAX. 1/4" SHIM MATERIAL	WOOD
18	KWIKSET TITAN 700 SERIES PASSAGE LOCK	–
19	ONE PIECE BUMP FACE THRESHOLD LOW PROFILE (THERMA-TRU)	ALUM./WOOD
20	4.656" HEADER (THERMA-TRU, PONDEROSA PINE)	WOOD
21	4.656" STRIKE JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
22	4.656" HINGE JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
23	KWIKSET TITAN 700 SERIES DEADBOLT	–
24	ASTRAGAL WINDJAMBER II WR68T (.052" WALL)	ALUM.
25	GLAZING, 1/2" INSULATED TEMPERED GLASS	GLASS
26	3/4" THK. PRESSURE TREATED SIDELITE PAD	WOOD
27	#8 x 1" LG. PANHEAD SHEET METAL SCREW	STEEL
28	NOT USED	–
29	#6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW (FOR ITEM #33)	STEEL
30	NOT USED	–
31	3/16" TAPCON ANCHOR (ELCO, 3.25" MIN. LG.)	STEEL
32	1/8 THK. CELLULAR GLAZING TAPE (STIK-II TAPE)	–
33	PLASTIC LIP LITE FRAME (PVC, THERMA-TRU)	PVC
34	PLASTIC LIP LITE FRAME (BTS, THERMA-TRU)	BTS
35	4.656" BLANK JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
36	SIDELITE SIDE STILE (THERMA-TRU, 1.625" x .719" PONDEROSA PINE)	WOOD
37	#10 x 1 3/4" LG. PFH WOOD SCREW	STEEL
38	LOCK BLOCK 2.625" x 10.375" x 1.625" THK.	WOOD
39	HIGH WATER DAM THRESHOLD (THERMA-TRU)	ALUM.
40	SILICONE CAULK	SILICONE
41	#8-10 x 1 1/2" PLASCREW (FOR ITEM #34)	STEEL
42	#10 x 3" LG. PFH WOOD SCREW	STEEL



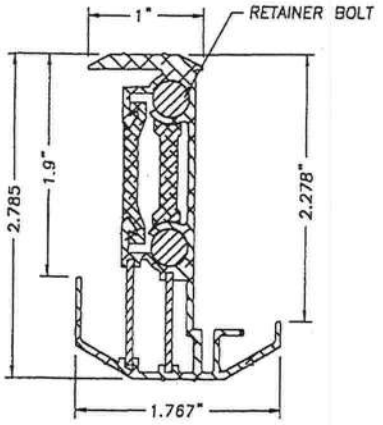
(8) LONG REACH COMPRESSION WEATHERSTRIP
FOAM CELL CORE W/VINYL JACKET



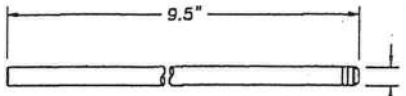
(7) COMPRESSION WEATHERSTRIP
BY THERMA-TRU
FOAM CELL CORE W/VINYL JACKET



WINDJAMBER II WR68T STRIKE PLATE



WINDJAMBER II WR68T (24)
ASTRAGAL (ALUMINUM .052" WALL TYP.)



ASTRAGAL RETAINER BOLT
MATERIAL: C/R ROD ZINC
& YELLOW CHROMATE

Approved as complying with the Florida Building Code
Date June 20, 2002
NOA#. 01-0228.05
Miami Dade Product Control Division
By

THERMA-TRU®
108 MUTZFELD Rd.
BUTLER, IN 46721
PH. (219) 868-5811

PRODUCT: "PREMIUM SERIES" 6-8 SINGLE & DOUBLE OUT-SWING STEEL DOOR
PART OR ASSEMBLY: BILL OF MATERIALS & UNIT COMPONENTS

NO	DATE	GENERAL REVISION	BY
1	3/28/02		W.M.

REVISIONS

RW BUILDING CONSULTANTS, INC.
813.684.3831

DATE: 08/08/01
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2149
SHEET 8 OF 8

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Clopay Building Products Co.
8585 Duke Blvd.
Mason, OH 45040

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 Florida Building Code including the High Velocity Hurricane Zone.

DESCRIPTION: Sectional Garage Door 16'- 2" Wide.

APPROVAL DOCUMENT: Drawing No. 101300, titled "Double Car Hurricane Pan Door", dated 02/15/95 with last revision on 01/06/04, sheets 1 and 2 of 2, prepared by Clopay Building Products Co, signed and sealed by M. W. Westerfield, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

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

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

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

LIMITATION: This approval requires the manufacturer to do testing of all coils used to fabricate door panels under this Notice of Acceptance. A minimum of 2 specimens shall be cut from each coil and tensile tested according to ASTM E-8 by a Dade County approved laboratory selected and paid by the manufacturer. Every 3 months, four times a year, the manufacturer shall mail to this office: a copy of the tested reports with confirmation that the specimen were selected from coils at the manufacturer production facilities. And a notarized statement from the manufacturer that only coils with yield strength of 38000 psi or more shall be used to make door panels for Dade County under this Notice of Acceptance

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 renews NOA # 03-0829.05 and consists of this page, evidence page as well as the approval document mentioned above.

The submitted documentation was reviewed by **Candido E. Font PE.**

03/23/06

PRODUCT CONTROL ACCEPTED

NOA No 05-1212.02
Expiration Date: March 26, 2007
Approval Date: March 23, 2006

Clopay Building Products Co.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A. DRAWINGS

1. *Drawing prepared by Clopay Building Products Co., titled "Double Car Hurricane Pan Door", Drawing No. 101300, dated 02/15/95, with last revision on 01/06/2004, sheets 1 through 2 of 2, signed and sealed by M.W. Westerfield, PE.*

B. TESTS

1. *Test report of large missile impact test per PA 201 and cyclic wind pressure test per PA 203 of " Garage Door", prepared by Hurricane Engineering & Testing, Inc., report No. HETI 95-408, dated 01/25/95, signed and sealed by H. M. Medina, PE.*
2. *Test report of Uniform Static Air Pressure Test Per PA 202 on " Garage Door", prepared by Hurricane Engineering & Testing, Inc., report No. HETI 95-407, dated 01/24/95, signed and sealed by H. M. Medina, PE.*
3. *Test report of Forced Entry Resistance per section 3603.2(b)5 on "Garage Door" prepared by Hurricane Engineering Testing, Inc. report No. HETI 95-407f, dated 01/25/95, signed and sealed by H. M. Medina, PE.*

C. CALCULATIONS

1. *Calculations dated 01/20/95; pages 1 and 2, prepared by M. W. Westerfield, PE, signed and sealed by M. W. Westerfield, PE.*
2. *Calculations dated 02/24/95, page 1, prepared M.W. Westerfield, PE, signed and sealed by M.W. Westerfield, PE.*

D. MATERIAL CERTIFICATIONS

1. *Test report of Tensile Test per ASTM E 8, report No. HETI 94-T59, prepared by Hurricane Engineering & Testing, Inc., dated 02/06/95, signed and sealed by H.M. Medina, PE.*
2. *Test report of Salt Spray Test per ASTM D1654 & ASTM B117, report No. 9EM-1144, prepared by Q.C. Metallurgical, Inc., dated 06/03/99, signed and sealed by K. Grate.*

E. STATEMENTS.

1. *Affidavit of yield strength compliance prepared by R. D. Shifflett employed by Clopay Building Products Co., notarized on 01/11/2001 by B. H. Schuler.*

F. QUALITY ASSURANCE.

1. *Building Code Compliance Office.*

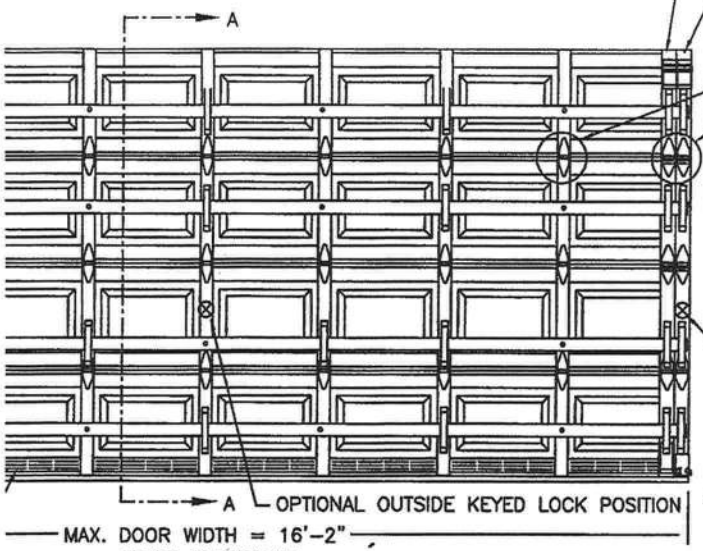
03/23/06

Candido F. Font, PE.
Senior Product Control Division
NOA No 05-1212.02
Expiration Date: March 26, 2007
Approval Date: March 23, 2006

5	8/25/2003	ADDED EXTEN
6	1/6/2004	JAMB ATTACHI

PATENTED TOG-L-LOC SYSTEM (TOP & BOT)
NE ADHESIVE (ALONG CENTER)

16 GA. PAINTED END STILES ATTACHED TO DOOR SKIN WITH PATENTED TOG-L-LOC SYSTEM (TOP, BOTTOM & CENTER).

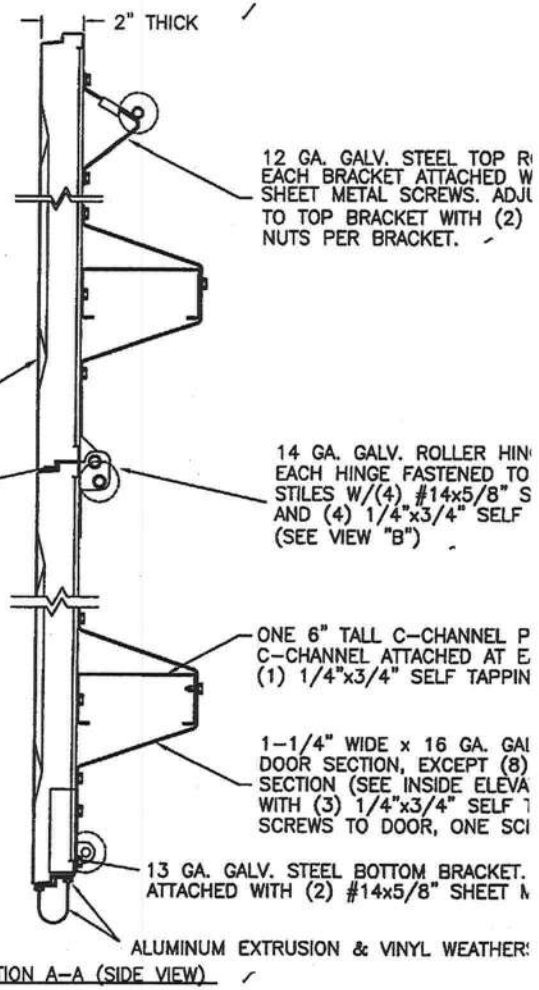


INSIDE ELEVATIONS

LOCK POSITION (BOTH SIDES) TWO POINT LOCKING HAS BEEN TESTED PER REQUIREMENTS OF SECTION 12.1 OF TAS 202. LOCKS HAVE 5/8" MIN. ENGAGEMENT. DOOR TESTED FOR FORCED ENTRY WITH BOTH OUTSIDE KEYED LOCK AND INSIDE SLIDE BOLT LOCK OPTIONS (SEE LAYOUT OF EACH LOCK ON NEXT PAGE).

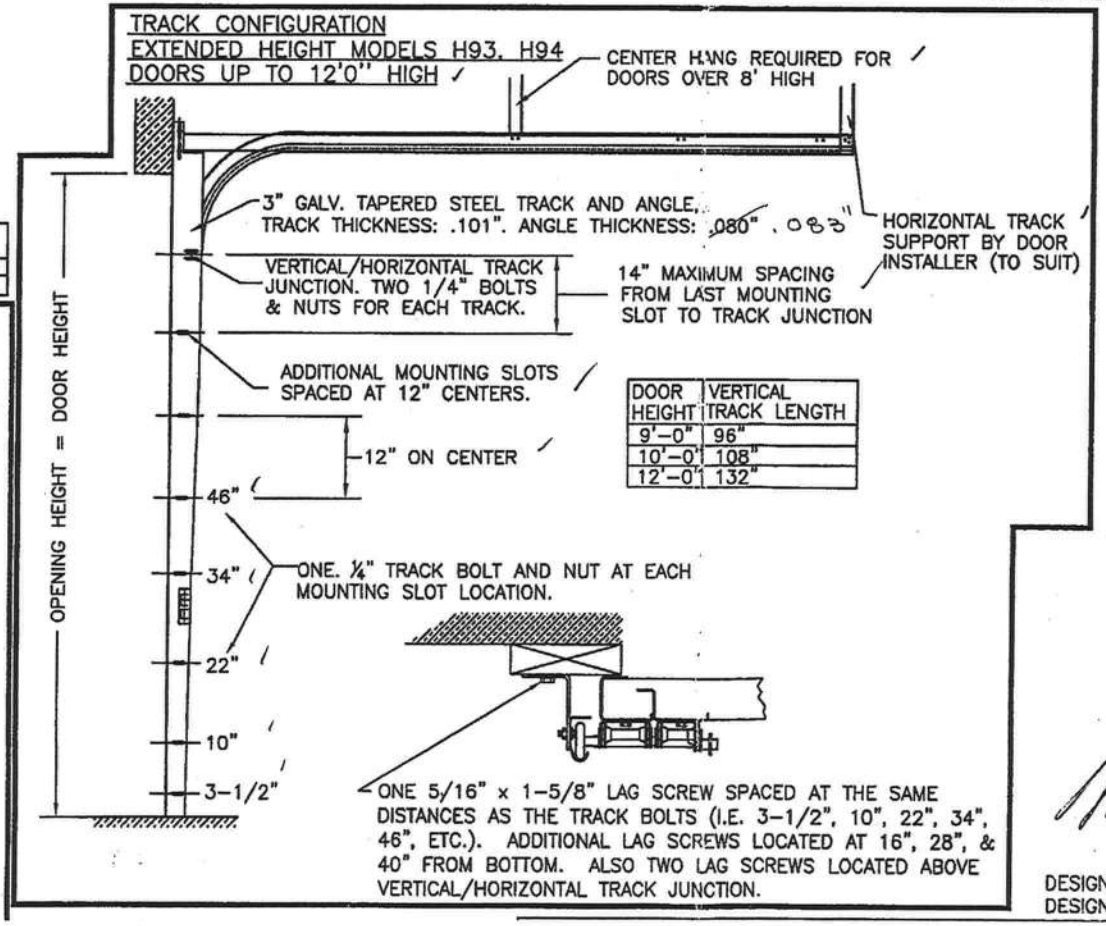
24 GA. DDS STEEL (MIN. YIELD STRENGTH: 38 KSI) EXTERIOR SKIN WITH G-40 GALVANIZING, BAKED-ON PRIMER AND A BAKED-ON POLYESTER PAINTED TOP COAT APPLIED TO BOTH SIDES OF STEEL SKIN. (ASTM No. A653).

SHIP LAP JOINTS.



SECTION A-A (SIDE VIEW)

TRACK CONFIGURATION
EXTENDED HEIGHT MODELS H93, H94
DOORS UP TO 12'0" HIGH



DOOR HEIGHT	VERTICAL TRACK LENGTH
9'-0"	96"
10'-0"	108"
12'-0"	132"

HIGH

PANEL, GALV. INTER. STILES
PANEL, PAINTED/GALV. INTER. STILES

83, 84A, 93, 94
IGH
ONTAL TRACK SUPPORT BY
DOOR INSTALLER (TO SUIT)
ANCE SYSTEM

EL CONTINUOUS
" ANGLE.

OORS ONLY)

GURATION

DOOR HEIGHT	"L"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"

RACK,
.083"

#14x5/8" SH
1/4"x3
TAPPIN
14 GA. END HINGES
VIEW "B"

1/6/04

DESIGN LOADS: +46.6 P.S.F. & -52.0 P.S.F. (MODELS 83, 84A, 93,
DESIGN LOADS: +46.6 P.S.F. & -51.7 P.S.F. (MODELS H93, H94)

UM DESIGN LOAD OF +372.8 LB & −416 LB. PER LINEAR FOOT OF JAMB.
NOT REQUIRED) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

BE FRAMED SOLID BY NOT LESS THAN (3) 2x6 PRESSURE TREATED GRADE
ESS GRADE NOT LESS THAN 1200 PSI NOMINAL EXTREME FIBER STRESS
3'0" HIGH. STUD WALLS TO BE CONTINUOUS FROM FOOTING TO TIE BEAMS
A BUILDING CODE. (4) 2x6 PRESSURE TREATED GRADE #2 OR BETTER
LESS THAN 1200 PSI NOMINAL EXTREME FIBER STRESS IN BENDING FOR

TE

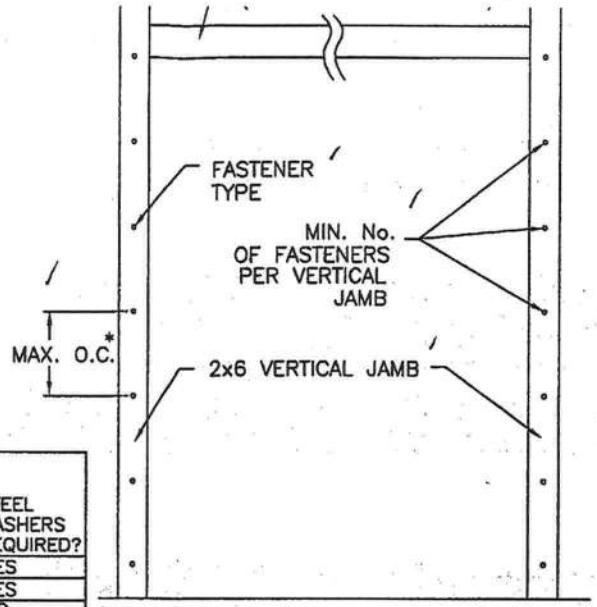
TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN.
WITH CONCRETE AND REINFORCED WITH #5 BAR EXTENDING
MS. ALL BARS SHALL BE CONTINUOUS FROM THE TIE BEAMS
NCRETE COLUMN. BLOCK WALLS AND CONCRETE COLUMNS TO BE
OF RECORD AND IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.

SUPPORTING STRUCTURE ATTACHMENT

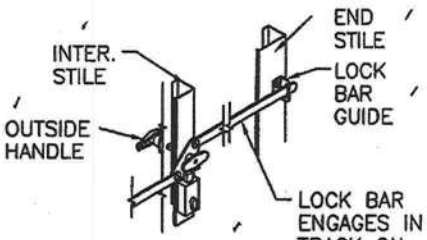
MENT OF TRACK ANGLE TO 2x6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

TYPE	MAXIMUM ON-CENTER DISTANCE BETWEEN FASTENERS*	STEEL WASHERS REQUIRED?
EMBED LAG SCREW (ASTM A307, GRADE A) 1-1/2" EMBED INTO STRUCTURE	16"	YES
3/4" MIN. EMBED ELCO TAPCON CONCRETE ANCHOR	10"	YES
3/4" MIN. EMBED POWER-STUD EXPANSION ANCHOR (7400 SERIES)	16"	NO
3/4" MIN. EMBED POWER LOK/BOLT ANCHOR BOLT (5000 SERIES)	14"	NO

ANCHOR AND EDGE OF CONCRETE BLOCK: 3", EXCLUDING STUCCO THICKNESS.
NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
MENT FASTENERS.
AD HAS BEEN USED IN THE DESIGN OF CONCRETE ANCHORS & WOOD FASTENERS.



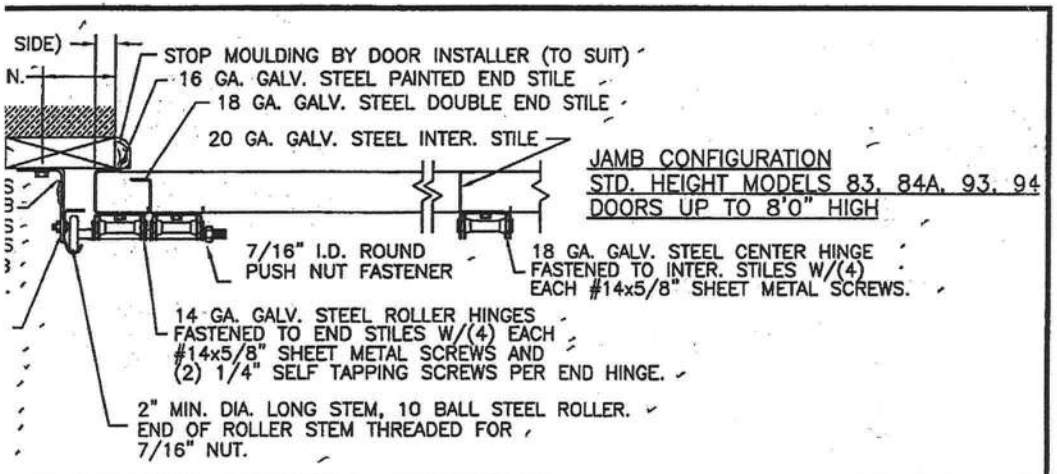
5	8/25/03	ADDED EXTENDE
6	1/6/04	JAMB ATTACHME



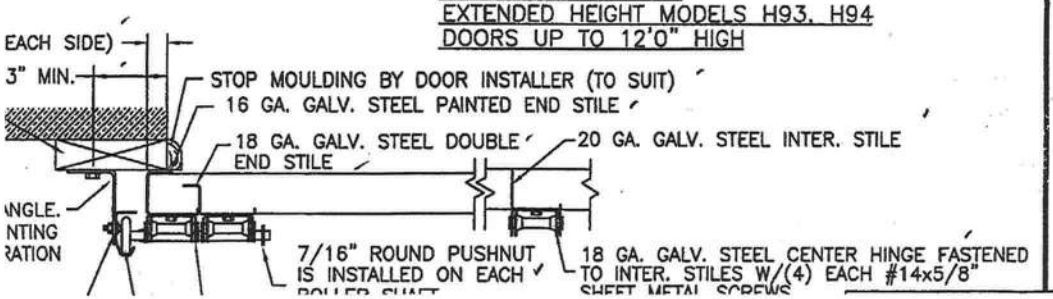
OUTSIDE KEYED LOCK
LOCK BAR LOCKING

INTER.

OUTSIDE KEYE
HANDL



JAMB CONFIGURATION
STD. HEIGHT MODELS 83, 84A, 93, 94
DOORS UP TO 8'0" HIGH



JAMB CONFIGURATION
EXTENDED HEIGHT MODELS H93, H94
DOORS UP TO 12'0" HIGH

JAMB PREPARATION NOTE
EACH CONTINUOUS ANGLE TRACK SHALL BE FASTENED TO PINE WOOD JAMBS WITH 5/16"x1-5/8" LAG SCREWS (12 7'0" HIGH AND (13) LAG SCREWS PER SIDE UP TO 8'0" TO 9'0" HIGH, (15) LAG SCREWS PER SIDE UP TO 10'0" SIDE UP TO 11'0" HIGH, (17) LAG SCREWS PER SIDE U ATTACHMENT TO THE SUPPORTING STRUCTURE OF THE PRI SHALL BE APPROVED BY THE PROFESSIONAL OF RECORD ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LO PREPARATION OF JAMBS BY OTHERS.

ALL MOUNTING OF TRACK, ANGLES, HORIZONTAL TRACK SU DOOR HARDWARE TO BE INSTALLED PER CLOPAY INSTALLA SUPPLIED WITH DOOR SYSTEM UNLESS OTHERWISE NOTED.

1/6/04

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 05-1212.4
Expiration Date 03/26/0
By
Miami Dade Product Control
Division

DESIGN ENGINEER
MARK W. WESTERFIELD, P.E.
FLORIDA REGISTRATION No. 48495

DESIGN LOADS: +46.6 P.S.F. & −52.0 P.S.F. (MODELS 83,
DESIGN LOADS: +46.6 P.S.F. & −51.7 P.S.F. (MODEL H93,

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Tamko Roofing Products, Inc.
P.O. Box 1404
Joplin, MO 64802

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: TAMKO Heritage Declaration & Heritage XL Roof Shingles

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 consists of pages 1 through 4.
The submitted documentation was reviewed by Frank Zuloaga, RRC

ROOFING ASSEMBLY APPROVAL

Category:	Roofing
Sub-Category:	07310 Composition Shingles
Materials	Dimensional
Deck Type:	Wood

1. SCOPE:

This approves **Tamko Heritage Declaration and Heritage XL** Asphalt Shingles, manufactured by **Tamko Roofing Products, Inc.** as described in this Notice of Acceptance.

2. PRODUCT DESCRIPTION

Product	Dimensions	Test Specifications	Product Description
Heritage Declaration & Heritage XL	12" x 36"	TAS 110	A heavy weight dimensional asphalt shingle.

3. EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
PRI Asphalt Technologies, Inc.	TAS 100	TAP-066-02-01	01/09/03
		TAP-073-02-01	05/20/03
Underwriters Laboratories, Inc.	ASTM D 3462	R2919	06/12/03
Underwriters Laboratories, Inc.	TAS 107	03CA08442	06/12/03

4. LIMITATIONS

- **4.1** Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
- **4.2** Shall not be installed on roof mean heights in excess of 33 ft.
- **4.3** All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.

5. INSTALLATION

- **5.1** Shingles shall be installed in accordance with Roofing Application Standard RAS 115.
- **5.2** The manufacturer shall provide clearly written application instructions.
- **5.3** Exposure and course layout shall be in compliance with Detail 'A', attached.
- **5.4** Nailing shall be in compliance with Detail 'B', attached.

6. LABELING

- **5.1** Shingles shall be labeled with the Miami-Dade Logo or the wording "Miami-Dade County-Product Control Approved".

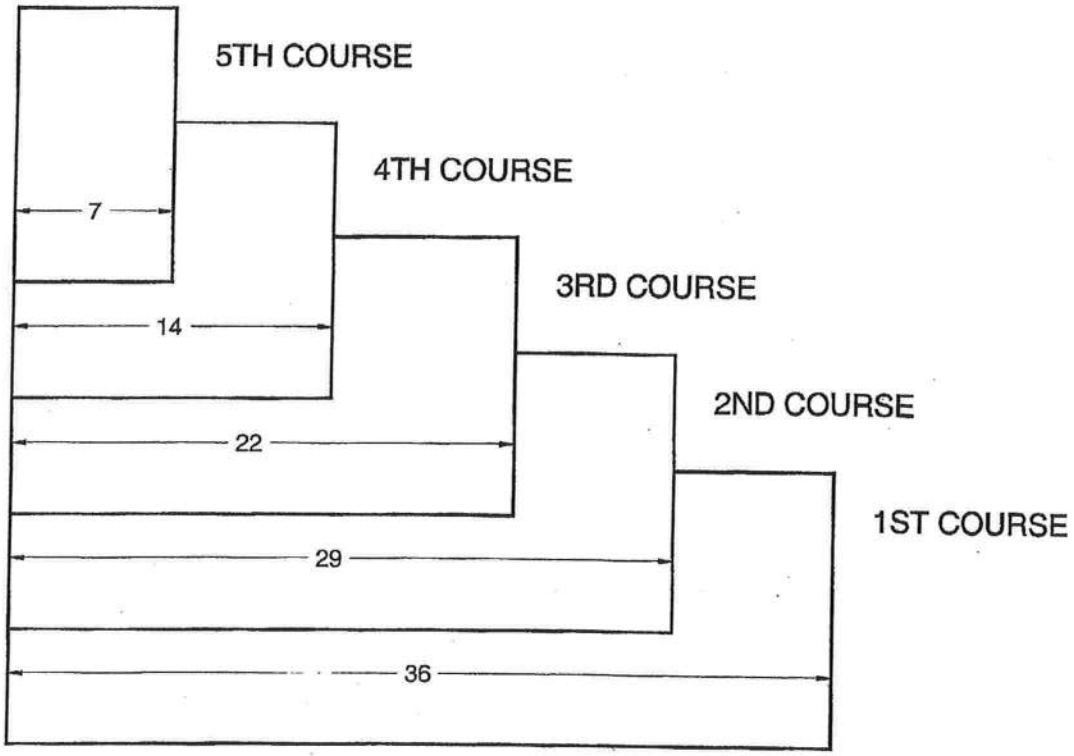
7. BUILDING PERMIT REQUIREMENTS

- **7.1** Application for building permit shall be accompanied by copies of the following:
  - **7.1.1** This Notice of Acceptance.
  - **7.1.2** Any other documents required by the Building Official or the applicable Building Code in order to properly evaluate the installation of this system.

DETAIL A

HERITAGE DECLARATION & XL

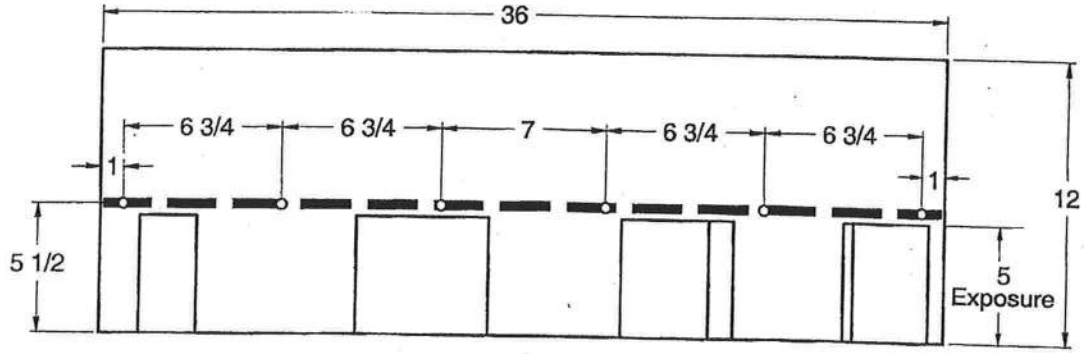
All dimensions are in inches.



DETAIL B

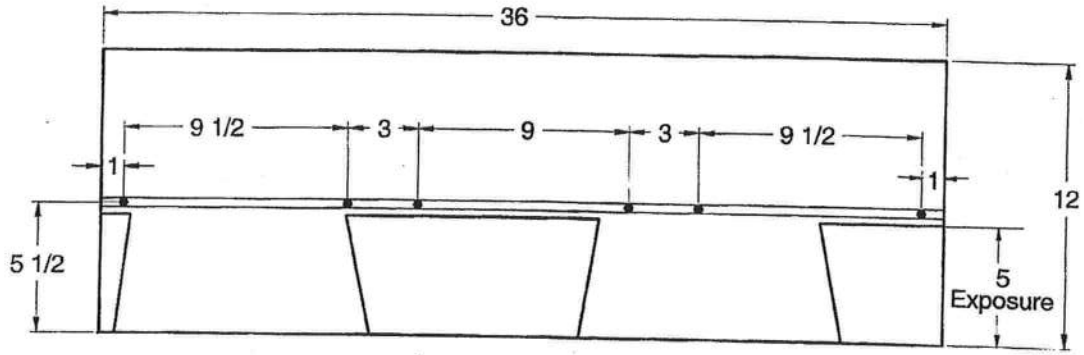
HERITAGE DECLARATION

12" x 36" LAMINATED SHINGLE
All dimensions are in inches.



HERITAGE XL

12" x 36" LAMINATED SHINGLE
All dimensions are in inches.



END OF THIS ACCEPTANCE

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

MI Home Products, Inc.
650 West Market Street
Gratz, PA 17030

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "BetterBilt D185SH/D3185SH" Aluminum Single Hung Window

APPROVAL DOCUMENT: Drawing No. **S-2422,** titled "Non-Impact Single Hung Window Rectangle Circle Top & Oriel", sheets 1 through 5 of 5, prepared by RW Building Consultants, inc, dated 10/27/03 with revision "2", dated 02/10/04, signed and sealed by Wendell Haney, P.E., 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 and evidence page E-1, as well as approval document mentioned above.
The submitted documentation was reviewed by **Theodore Berman, P.E.**

2/13/2003

PRODUCT CONTROL ACCEPTED

NOA No 03-1215.02
Expiration Date: March 04, 2009
Approval Date: March 04, 2004

MI Home Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **S-2422,** titled "Non-Impact Single Hung Window Rectangle Circle Top & Oriel", sheets 1 through 5 of 5, prepared by RW Building Consultants, inc, dated 10/27/03 with revision "2", dated 02/10/04, signed and sealed by Wendell Haney, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94

   along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Architectural Testing, Inc., Test Report No. **ATI 03056**, dated 11/11/03, signed by Joseph A. Reed, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300-98, and structural analysis, prepared by R.W. Building Consultants, Inc., dated 12/11/03, signed and sealed by Lyndon F. Schmidt, P.E.
2. Revised Anchor Calculations, and structural analysis, prepared by R.W. Building Consultants, Inc., dated 02/10/04, signed and sealed by Lyndon F. Schmidt, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated December 09, 2003, signed and sealed by Lyndon F. Schmidt, P.E.
2. Statement letter of no financial interest with the laboratory that performed the Test Report No. **ATI 03056**, dated November 08, 2003, signed by Stu White, Design Engineering Manager.

G. OTHER

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).

Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 03-1215.02
Expiration Date: March 04, 2009
Approval Date: March 04, 2004

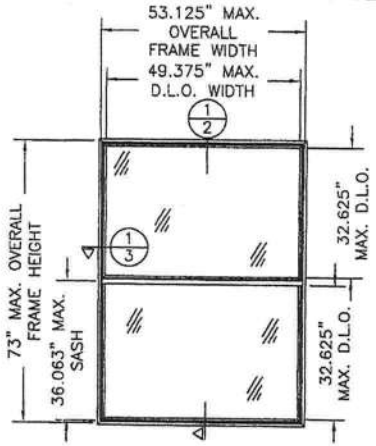
MI HOME PRODUCTS

650 WEST MARKET STREET • GRATZ, PA • 17030-0370

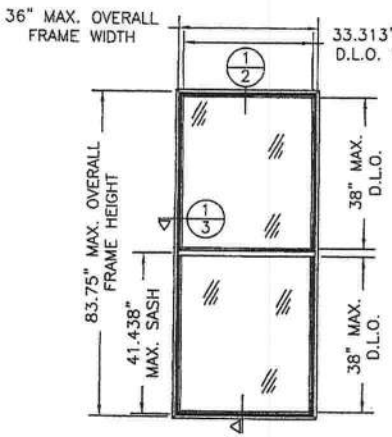
SERIES BETTERBILT D185SH/D3185SH
ALUMINUM SINGLE HUNG WINDOW

GENERAL NOTES:

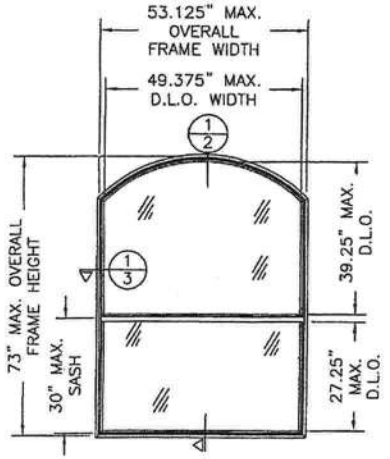
1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE "HVHZ" OF THE FLORIDA BUILDING CODE.
2. WOOD BUCKS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE AND TO BE REVIEWED BY BUILDING OFFICIAL.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. FOR DESIGN PRESSURE RATING SEE TABLE THIS SHEET.
5. INSTALLATION OF THIS SYSTEM IN HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTER/EXTERNAL PROTECTION DEVICE COMPLYING WITH HVHZ REQUIREMENTS; INSTALLATION OF THIS SYSTEM OUTSIDE OF HVHZ SHALL MEET THE APPLICABLE CODE REQUIREMENTS FOR WINDBORNE DEBRIS PROTECTION.
6. THIS PRODUCT MEETS WATER REQUIREMENTS FOR HIGH VELOCITY HURRICANE ZONES.



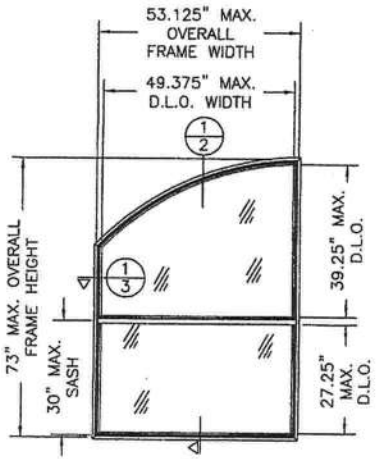
53" x 73" SINGLE HUNG WINDOW



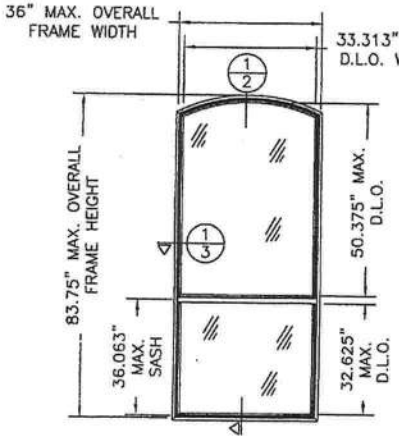
37" x 84" SINGLE HUNG WINDOW



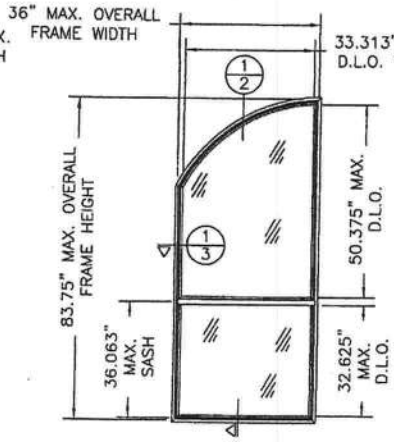
53" x 73" SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



53" x 73" SINGLE HUNG WINDOW
HALF CIRCLE TOP ORIEL



37" x 84" SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



37" x 84" SINGLE HUNG WINDOW
HALF CIRCLE TOP ORIEL

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	GENERAL NOTES & TYPICAL ELEVATIONS
2	VERTICAL CROSS SECTIONS
3	HORIZONTAL CROSS SECTIONS & GLAZING DETAIL
4	ANCHORING LOCATIONS
5	COMPONENTS, BILL OF MATERIALS

DESIGN PRESSURE RATINGS (PSF)			
GLASS	MAX. SIZE	DP POS.	DP NEG.
1/8" Temp.	OA 53" x 73"	+56.7	-69.3
1/8" Temp.	OA 37" x 84"	+56.7	-69.3
3/16" Ann.	OA 53" x 73"	+42.0	-42.0
3/16" Ann.	OA 37" x 84"	+56.7	-58.0

ALL ELEVATIONS ARE VIEWED FROM EXTERIOR

Approved as complying with the Florida Building Code
Date 03/04/04
NOA# 03-1215.02
Miami Dade Product Control
Division
By

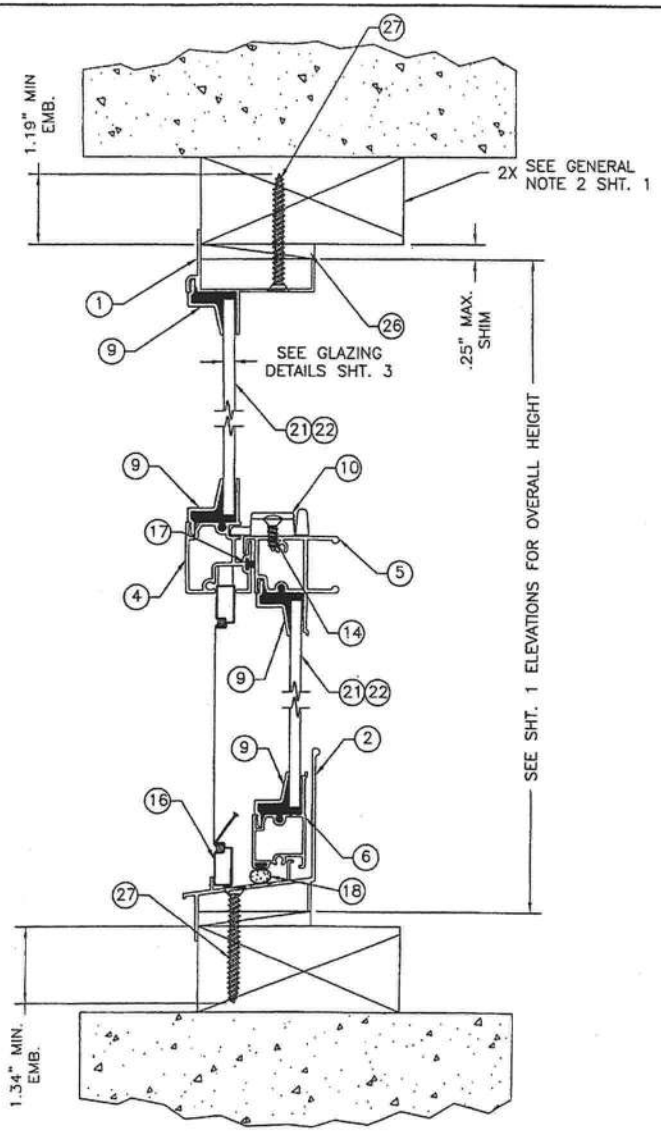
Product Approval Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate of Authorization No. 9813
2/10/04
Wendell Hicks, P.E. No. 51158

PRODUCT: NON-IMPACT SINGLE HUNG WINDOW RECTANGLE, CIRCLE TOP & ORIEL

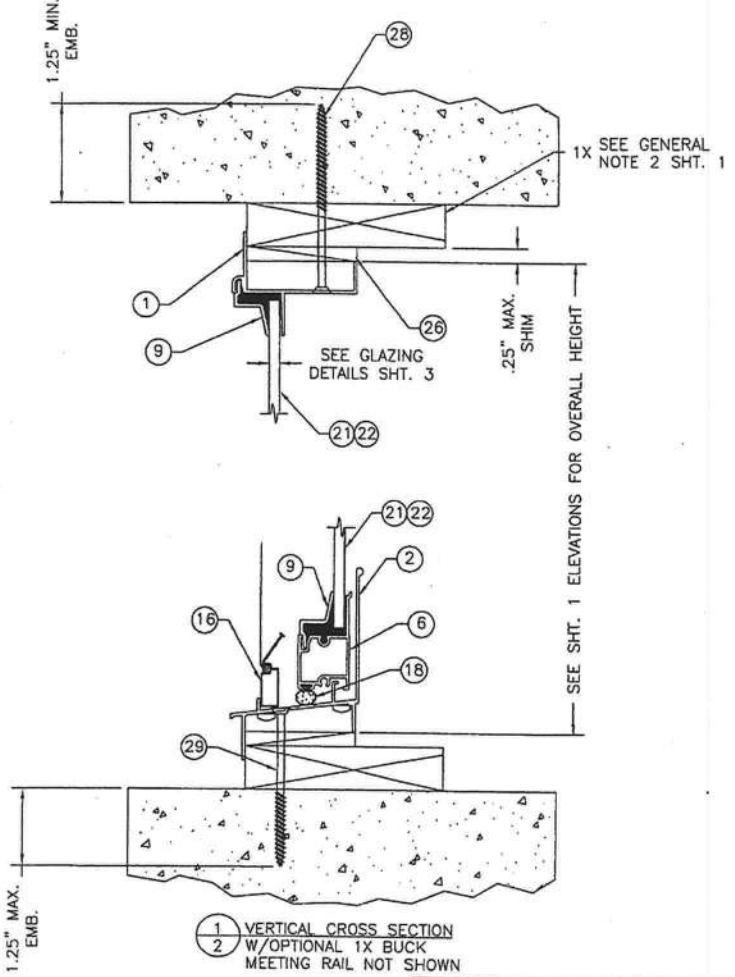
PART OR ASSEMBLY: GENERAL NOTES & TYPICAL ELEVATIONS

NO.	DATE	REVISIONS	BY
2	2/10/04	CORRECT DP TABLE	RW
1	01/04	REVISED PER DADE LETTER	WH

DATE: 10/27/03
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2422
SHEET 1 OF 5



1/2 VERTICAL CROSS SECTION W/2X BUCK



1/2 VERTICAL CROSS SECTION W/OPTIONAL 1X BUCK MEETING RAIL NOT SHOWN

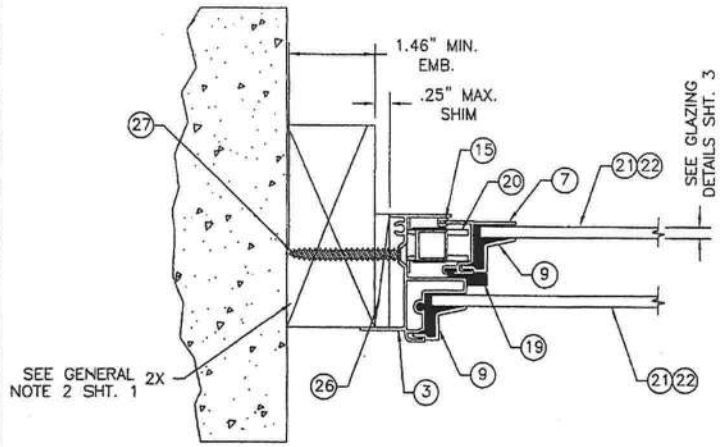
Approved as complying with the Florida Building Code
Date 03/04/04
NOA# 02-1215.02
Miami-Dade Product Control Division
By

Product Approval Documents Prepared By:
BUILTING CONSULTANTS, INC.
P.O. Box 230 Valrico, FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate of Authorization No. 9813
Wendell Hall, P.E. No. 54158
2/10/04

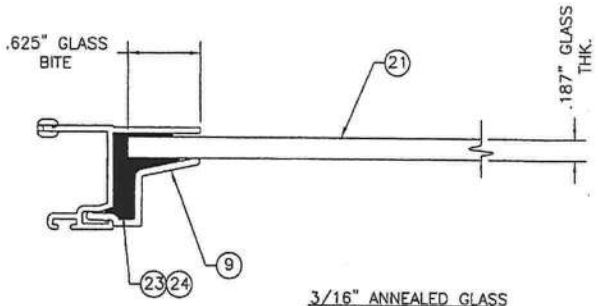
PRODUCT: NON-IMPACT SINGLE HUNG WINDOWS RECTANGLE, CIRCLE TOP & ORIEL
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO	DATE	REVISIONS	BY
2	2/10/04	CORRECT DP TABLE	RW
1	01/04	REVISED PER DADE LETTER	WH

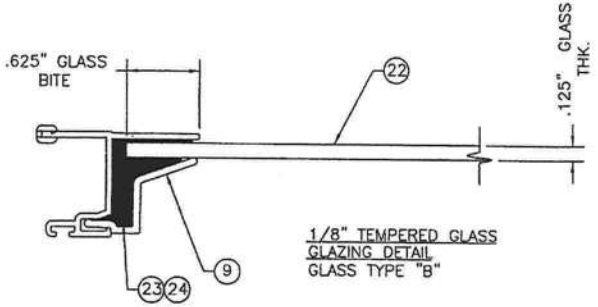
DATE: 10/27/03
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2422
SHEET 2 OF 5



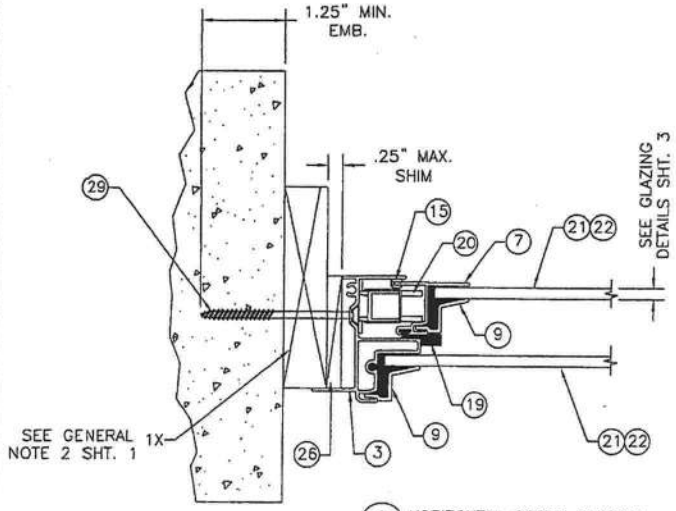
1/3 HORIZONTAL CROSS SECTION
W/2X BUCK



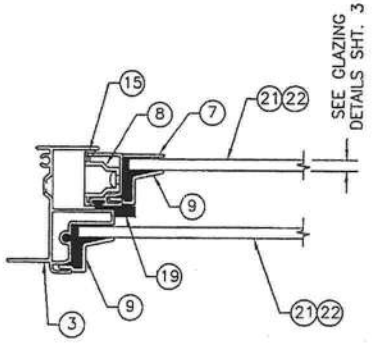
3/16" ANNEALED GLASS
GLAZING DETAIL
GLASS TYPE "A"



1/8" TEMPERED GLASS
GLAZING DETAIL
GLASS TYPE "B"



1/3 HORIZONTAL CROSS SECTION
W/1X BUCK



1/3 HORIZONTAL CROSS SECTION
SHOWING SASH CAM
MASONRY & BUCK NOT SHOWN

NOTES:
1. THE MAIN FRAME HEAD, SIDES AND SILL ARE CONNECTED TOGETHER AT EACH CORNER WITH (2) ITEM #11, A #8 x 3/4" PHILLIPS PAN HEAD SCREW. THE SCREWS RUN FROM THE HEAD DOWN INTO THE SIDES AND FROM THE SILL UP INTO THE SIDES.
2. THE FIXED MEETING RAIL IS SECURED TO THE SIDES WITH (2) EACH SIDE ITEM #12, A #8 x 1 1/4" PHILLIPS PAN HEAD SCREW.
3. THE SASH CORNERS ARE CONNECTED TOGETHER WITH (2) EACH CORNER ITEM #13, A #6 x 3/4" PHILLIPS PAN HEAD SCREW.

Approved as complying with the Florida Building Code
Date 03/04/04
NOA# 03-1215.02
Miami-Dade Product Control Division
By

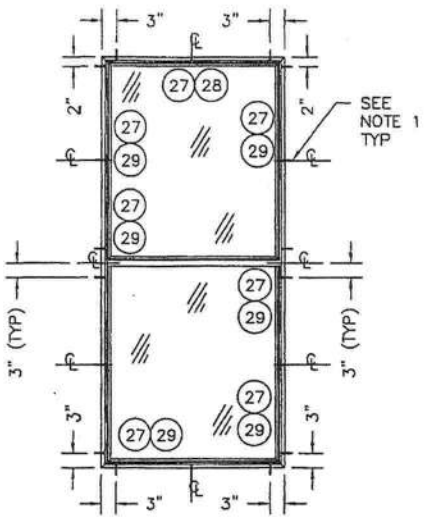
Product Approval Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 8813
2/10/04
Wendell Hall, P.E. No. 54158

PRODUCT:
NON-IMPACT SINGLE HUNG WINDOWS RECTANGLE, CIRCLE TOP & OREIAL

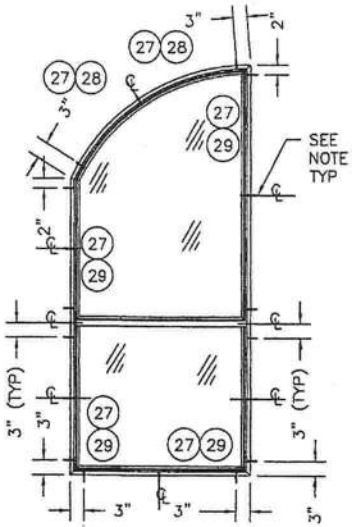
PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS & GLAZING DETAILS

NO.	DATE	REVISIONS	BY
2	2/10/04	CORRECT DP TABLE	RW
1	01/04	REVISED PER DADE LETTER	WH

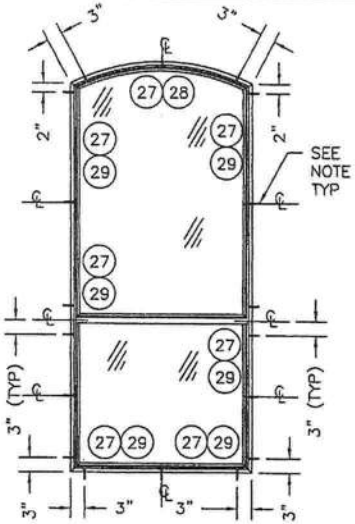
DATE: 10/27/03
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2422
SHEET 3 OF 5



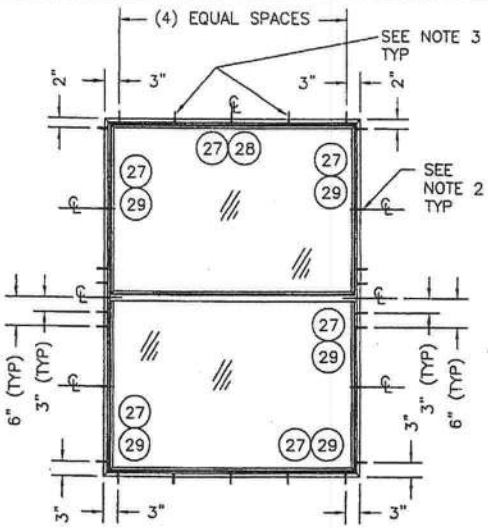
37" x 84" SINGLE HUNG WINDOW



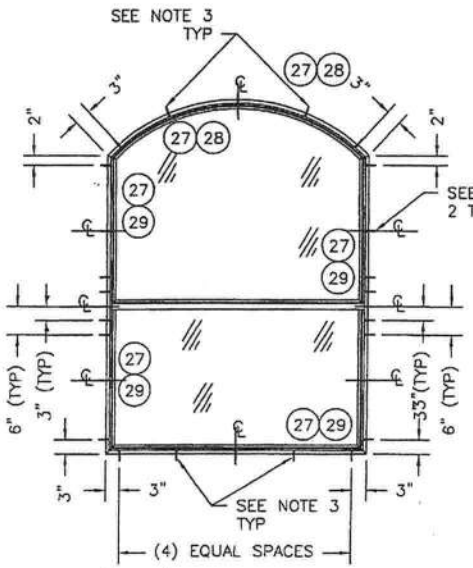
37" x 84" SINGLE HUNG WINDOW
HALF CIRCLE TOP ORIEL



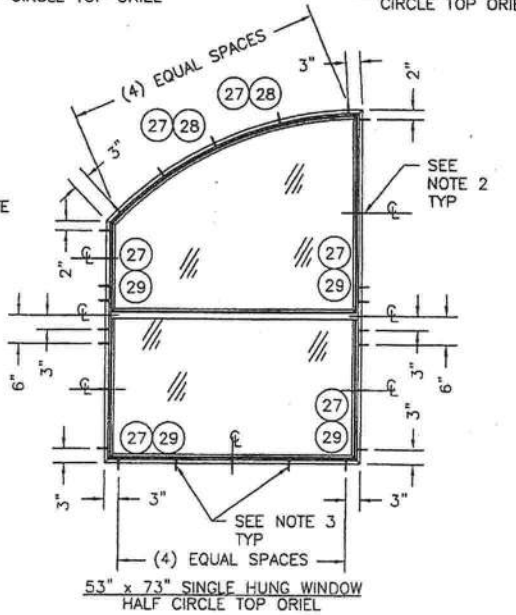
37" x 84" SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



53" x 73" SINGLE HUNG WINDOW



53" x 73" SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



53" x 73" SINGLE HUNG WINDOW
HALF CIRCLE TOP ORIEL

NOTES:

1. FOR UNITS SMALLER THAN 30"x60" DO NOT INSTALL ANCHOR AT CENTER LOCATION.
2. FOR UNITS SMALLER THAN 53"x60" OR SMALLER THAN 30"x66" DO NOT INSTALL ANCHOR AT CENTER LOCATION.
3. FOR UNITS SMALLER THAN 36"x66" DO NOT INSTALL ANCHORS AT EITHER SIDE OF CENTER ANCHOR AT HEAD AND SILL JAMBS.

Approved as complying with the Florida Building Code
Date: 02/04/04
NOA# 02-1215.02
Miami-Dade Product Control
Division
By:

Product Approval Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.653.8197
Florida Board of Professional Engineers
Certificate of Authorization No. 9813
2/10/04
Wendell Hopper, P.E. No. 54158

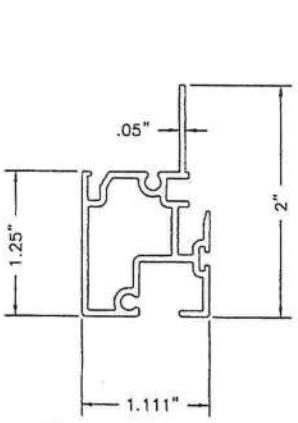
PRODUCT: NON-IMPACT SINGLE HUNG WINDOW RECTANGLE, CIRCLE TOP & ORIEL
PART OR ASSEMBLY: ANCHORING LOCATIONS

NO.	DATE	REVISIONS	BY
2	2/10/04	CORRECT DP TABLE	RW
1	01/04	REVISED PER DADE LETTER	WH

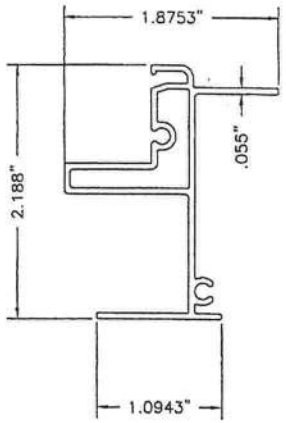
DATE: 10/27/03
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2422
SHEET 4 OF 5

BILL OF MATERIALS

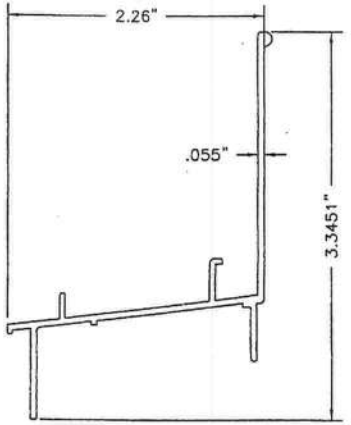
ITEM	DESCRIPTION	MATERIAL
1	EXTRUDED ALUMINUM SINGLE HUNG 1/2" HEAD #CM-18501 BY MI METALS	ALUM.
2	EXTRUDED ALUMINUM SINGLE HUNG 1/2" SILL #CM-18502 BY MI METALS	ALUM.
3	EXTRUDED ALUMINUM SINGLE HUNG 1/2" JAMB #CM-18503 BY MI METALS	ALUM.
4	EXTRUDED ALUMINUM SINGLE HUNG FIXED MEETING RAIL #CM-18504 BY MI METALS	ALUM.
5	EXTRUDED ALUMINUM SINGLE HUNG SASH LOCK RAIL #CM-18505 BY MI METALS	ALUM.
6	EXTRUDED ALUMINUM SINGLE HUNG SASH BOTTOM RAIL #CM-18506 BY MI METALS	ALUM.
7	EXTRUDED ALUMINUM SINGLE HUNG SASH STILE #CM-18507 BY MI METALS	ALUM.
8	SASH CAM #I-185 BY BSI	–
9	GLAZING BEAD #V-185 BY MI PLASTICS	–
10	LOCK #30240-402 BY REFLECTOLITE	–
11	MAIN FRAME SCREW #8 x 3/4" PHHILLIPS PAN HEAD	STEEL
12	MEETING RAIL SCREW #8 x 1 1/4" PHILLIIPS PAN HEAD	STEEL
13	SASH SCREW #6 x 3/4" PHILLIPS PAN HEAD	STEEL
14	LOCK SCREW #8 x 5/8" PHILLIPS FLAT HEAD -PTD	STEEL
15	SASH GUIDE #80-02-8207 BY PLASTICS, AZ	–
16	WINDOW SCREEN	–
17	FIN WEATHERSTRIPPING .187" x .250" BY AMESBURY	–
18	BULB SEAL #32002 BY AMESBURY	–
19	DUST PLUG 5/8" x 7/8" x .25" BY AMESBURY	–
20	5/8" BLOCK & TACKLE 150 SERIES BY BSI	–
21	GLASS "A" SGL GLAZED 3/16" ANN. BY GUARDIAN	–
22	GLASS "B" SGL GLAZED 1/8" TEMP. BY GUARDIAN	–
23	BACKBEDDING #SM-2100 BY SCHNEE MOREHEAD	SILICONE
24	BACKBEDDING PURFECTGLAZE-H (HOTMELT)	–
25	GLASS SHIM 1/8" x 1/4" x 1" BY SECON	–
26	1/4" MAX SHIM	–
27	#12 X 2" PHILLIPS FLAT HEAD SHEET METAL SCREW	STEEL
28	3/16" x 3 1/4" ELCO TAPCON ANCHOR	STEEL
29	3/16 x 2 3/4" ELCO TAPCON ANCHOR	STEEL



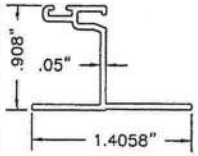
④ FIXED MEETING RAIL



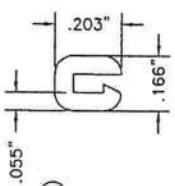
③ JAMB-FLANGE



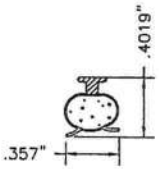
② SILL FIN



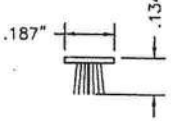
⑦ SASH STILE



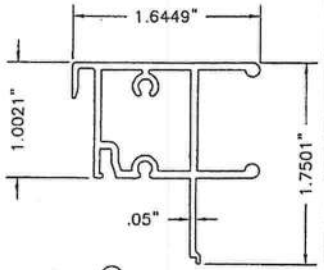
⑮ SASH GUIDE



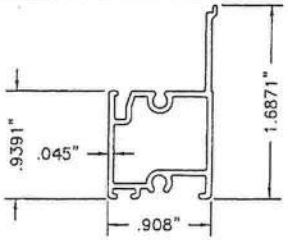
⑱ BULB SEAL



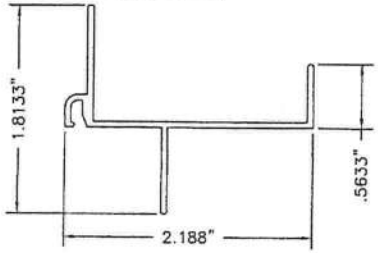
⑰ FIN WEATHERSTRIPPING



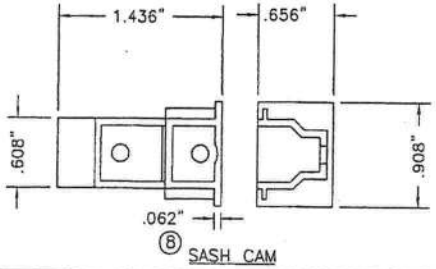
⑤ LOCK RAIL



⑥ SASH BOTTOM RAIL



① HEAD FLANGE



⑧ SASH CAM

Approved as complying with the Florida Building Code
Date: 03/04/04
NOA#03-1210.02
Miami Dade Product Control
By:

Product Approval Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico, FL. 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell Hansz, P.E. No. 33158
2/10/04

PRODUCT: NON-IMPACT SINGLE HUNG WINDOWS RECTANGLE, CIRCLE TOP & OREIAL

PART OR ASSEMBLY: BILL OF MATERIALS & UNIT COMPONENTS

NO.	DATE	REVISIONS	BY
2	2/10/04	CORRECT DP TABLE	RW
1	01/04	REVISED PER DADE LETTER	WH

DATE: 10/27/03
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2422
SHEET 5 OF 5

COLUMBIA COUNTY BUILDING DEPARTMENT

Revised 10-01-05

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2004 and FLORIDA RESIDENTIAL CODE 2004 WITH AMENDMENTS ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 16 OF THE FLORIDA BUILDING CODE 2004 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1609 SHALL BE USED.

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m^2) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☑	☐	a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation

☐ ☐ d) Location, size and height above roof of chimneys.

☐ ☐ e) Location and size of skylights

☑ ☐ f) Building height

☑ ☐ e) Number of stories

Floor Plan including:

☑ ☐ a) Rooms labeled and dimensioned.

☐ ☐ b) Shear walls identified.

☐ ☐ c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 **(see attach forms).**

☐ ☐ d) Show safety glazing of glass, where required by code.

☐ ☐ e) Identify egress windows in bedrooms, and size.

☐ ☐ f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth, **(Please circle applicable type).**

☑ ☐ g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.

☑ ☐ h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

☑ ☐ a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.

☐ ☐ b) All posts and/or column footing including size and reinforcing

☑ ☐ c) Any special support required by soil analysis such as piling

☑ ☐ d) Location of any vertical steel.

Roof System:

☑ ☐ a) Truss package including:

1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 106.1.1.2)Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

☑ ☐ b) Conventional Framing Layout including:

1. Rafter size, species and spacing
2. Attachment to wall and uplift
3. Ridge beam sized and valley framing and support details
4. Roof assembly (FBC 106.1.1.2)Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

☑ ☐ a) Masonry wall

1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.
6. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termiticide or alternative method)
10. Slab on grade
    a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
    b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:

a. Attic space
b. Exterior wall cavity
c. Crawl space (if applicable)

☑ ☐ b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) shall be designed by a Windload engineer using the engineered roof truss plans.
7. Roof assembly shown here or on roof system detail (FBC 106.1.1.2) Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

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

Floor Framing System:

☐ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☐ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

☑ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☑ ☐ b) Ceiling fans

☑ ☐ c) Smoke detectors

☑ ☐ d) Service panel and sub-panel size and location(s)

☑ ☐ e) Meter location with type of service entrance (overhead or underground)

☑ ☐ f) Appliances and HVAC equipment

☑ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

☑ ☐ h) Exhaust fans in bathroom

HVAC information

☑ ☐ a) Energy Calculations (dimensions shall match plans)

☑ ☐ b) Manual J sizing equipment or equivalent computation

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

☑ ☐ **Disclosure Statement for Owner Builders**

☑ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done**

☑ ☐ **Private Potable Water**

Project Information for:	L240112		
Builder:	GIEBEIG HOMES	Date:	5/15/2007
Lot:	LOT 17	Start Number:	**1288**
Subdivision:	CANNON CREEK PLACE	SEI Ref:	L240112
County or City:	COLUMBIA COUNTY		
Truss Page Count:	31		

Truss Design Load Information (UNO) Design Program: MiTek

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

Note: See individual truss drawings for special loading conditions

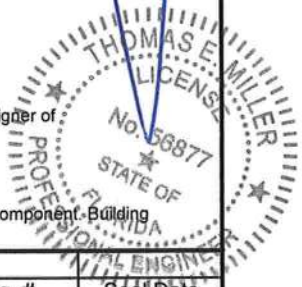
Building Designer, responsible for Structural Engineering: (See attached)

GIEBEIG, BRIAN T. RR282811523
Address: 462 SW FAIRLINGTON CT
LAKE CITY, FL 32025 Designer: 57

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

Notes:

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



MAY 15 2007

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	0515071288	5/15/2007				
2	CJ3	0515071289	5/15/2007				
3	CJ5	0515071290	5/15/2007				
4	EJ3	0515071291	5/15/2007				
5	EJ7	0515071292	5/15/2007				
6	HJ4	0515071293	5/15/2007				
7	HJ9	0515071294	5/15/2007				
8	T01	0515071295	5/15/2007				
9	T02	0515071296	5/15/2007				
10	T03	0515071297	5/15/2007				
11	T04	0515071298	5/15/2007				
12	T05	0515071299	5/15/2007				
13	T06	0515071300	5/15/2007				
14	T07	0515071301	5/15/2007				
15	T08	0515071302	5/15/2007				
16	T09	0515071303	5/15/2007				
17	T10	0515071304	5/15/2007				
18	T11	0515071305	5/15/2007				
19	T12	0515071306	5/15/2007				
20	T13	0515071307	5/15/2007				
21	T14	0515071308	5/15/2007				
22	T15	0515071309	5/15/2007				
23	T16	0515071310	5/15/2007				
24	T17	0515071311	5/15/2007				
25	T18	0515071312	5/15/2007				
26	T19	0515071313	5/15/2007				
27	T20	0515071314	5/15/2007				
28	T21	0515071315	5/15/2007				
29	T22	0515071316	5/15/2007				
30	T23	0515071317	5/15/2007				
31	T24	0515071318	5/15/2007				

LATERAL TOE-NAIL DETAIL

ST-TOENAIL

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.

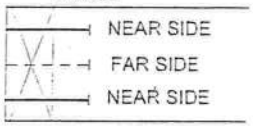
TOE-NAIL SINGLE SHEAR VALUES PER NDS 2001 (lb/nail)

	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

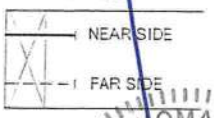
VALUES SHOWN ARE CAPACITY PER TOE-NAIL.
APPLICABLE DURATION OF LOAD INCREASES MAY BE APPLIED.

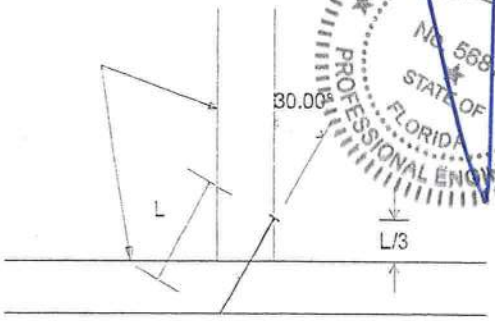
SQUARE CUT

SIDE VIEW (2x4, 2x6) 3 NAILS



SIDE VIEW (2x3) 2 NAILS



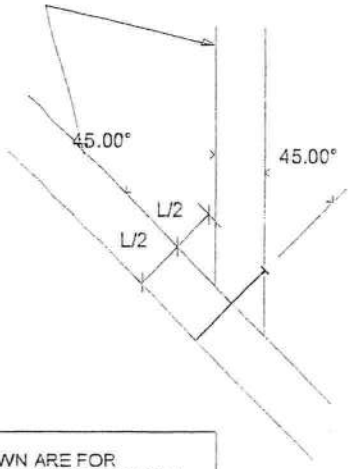


THOMAS E. MILLER LICENSE NO. 56877 STATE OF FLORIDA PROFESSIONAL ENGINEER

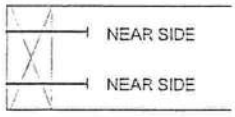
MAY 15 2007

45 DEGREE ANGLE BEVEL CUT

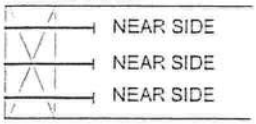
This detail may only be applied to Pre-engineered truss drawings signed and sealed by Structural Engineering and Inspections Inc.



SIDE VIEW (2x3, 2x4) 2 NAILS



SIDE VIEW (2x6) 3 NAILS



VIEWS SHOWN ARE FOR ILLUSTRATION PURPOSES ONLY

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Change License Status
Maintain Account
Change My Address
View Messages
Change My PIN
View Continuing Ed

Term Glossary
Online Help

Licensee Details

Licensee Information

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

License Information

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

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

View Related License Information

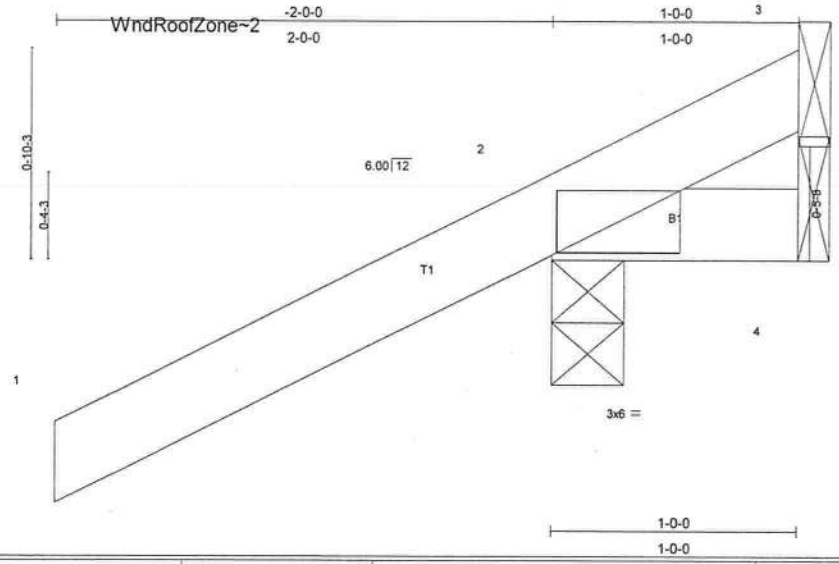
View License Complaint

MAY 15, 2007,TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071288

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	CJ1	ROOF TRUSS	18	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:06 2007 Page 1



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

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

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

REACTIONS (lb/size) 2=266/0-3-8, 4=14/Mechanical, 3=-90/Mechanical
Max Horz 2=87(load case 5)
Max Uplift2=-286(load case 5), 4=-9(load case 3), 3=-90(load case 1)
Max Grav 2=266(load case 1), 4=14(load case 1), 3=127(load case 5)

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

JOINT STRESS INDEX
2 = 0.14

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

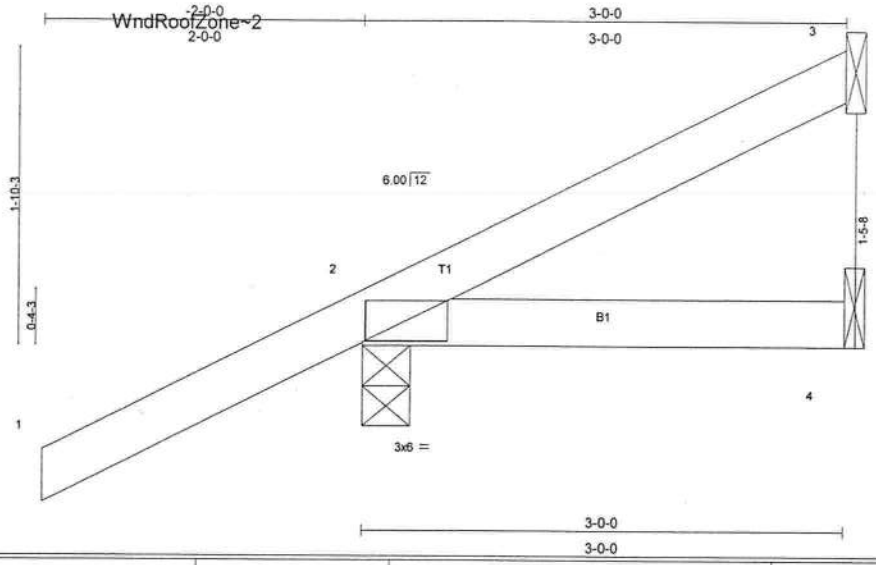
LOAD CASE(S) Standard

MAY 15, 2007, TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071289

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	CJ3	ROOF TRUSS	14	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:07 2007 Page 1



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

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

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

REACTIONS (lb/size) 3=31/Mechanical, 2=278/0-3-8, 4=42/Mechanical
Max Horz 2=132(load case 5)
Max Uplift3=-28(load case 6), 2=-238(load case 5), 4=-27(load case 3)

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

JOINT STRESS INDEX
2 = 0.13

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

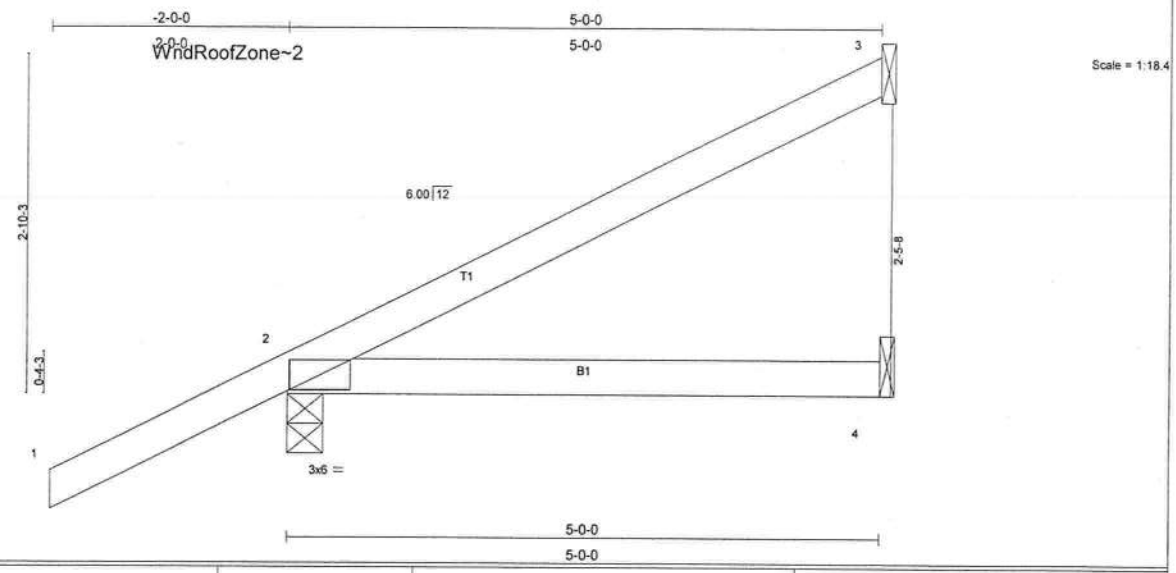
LOAD CASE(S) Standard

MAY 15, 2007,TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071290

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	CJ5	ROOF TRUSS	14	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:08 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.09	2-4	>663	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	0.07	2-4	>774	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 19 lb	

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

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

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

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

JOINT STRESS INDEX
2 = 0.15

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3, 260 lb uplift at joint 2 and 46 lb uplift at joint 4.

LOAD CASE(S) Standard

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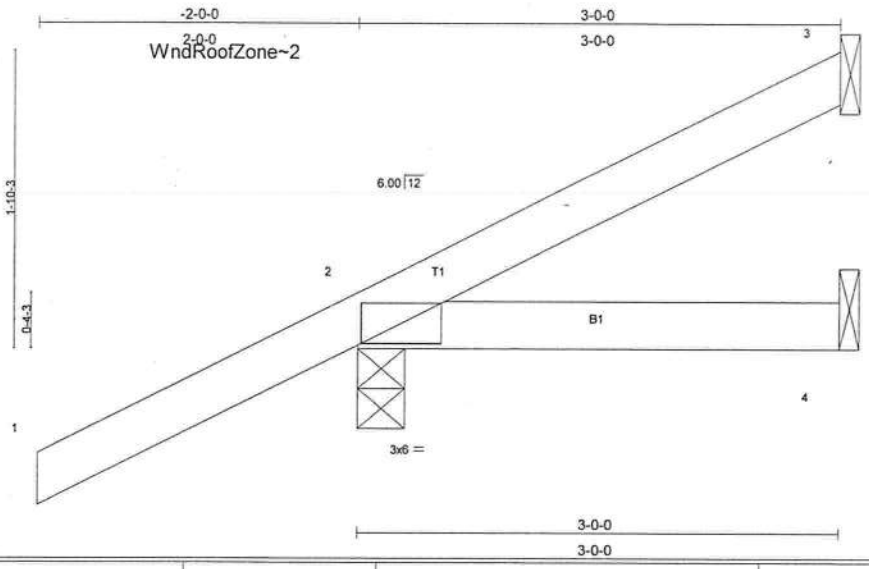
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071291

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	EJ3	ROOF TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:08 2007 Page 1



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

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

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

REACTIONS (lb/size) 3=31/Mechanical, 2=278/0-3-8, 4=42/Mechanical
Max Horz 2=132(load case 5)
Max Uplift3=-28(load case 6), 2=-238(load case 5), 4=-27(load case 3)

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

JOINT STRESS INDEX
2 = 0.13

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

LOAD CASE(S) Standard

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THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071292

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	EJ7	MONO TRUSS	30	1	Job Reference (optional)

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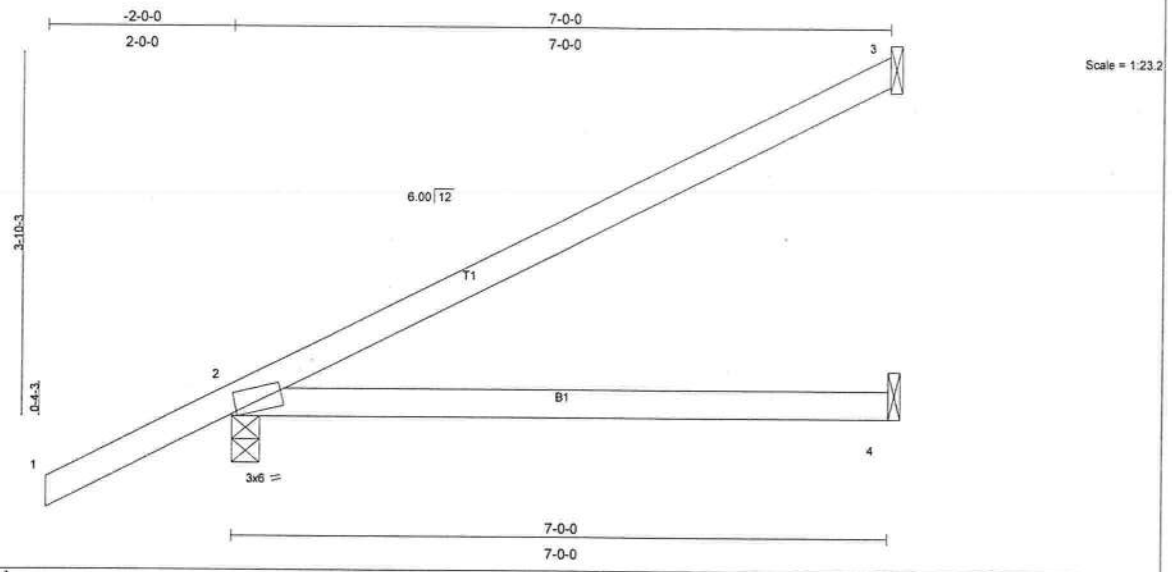


Plate Offsets (X,Y): [2:0-0-10,Edge]

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

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

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

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

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

JOINT STRESS INDEX
2 = 0.78

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 3, 295 lb uplift at joint 2 and 68 lb uplift at joint 4.

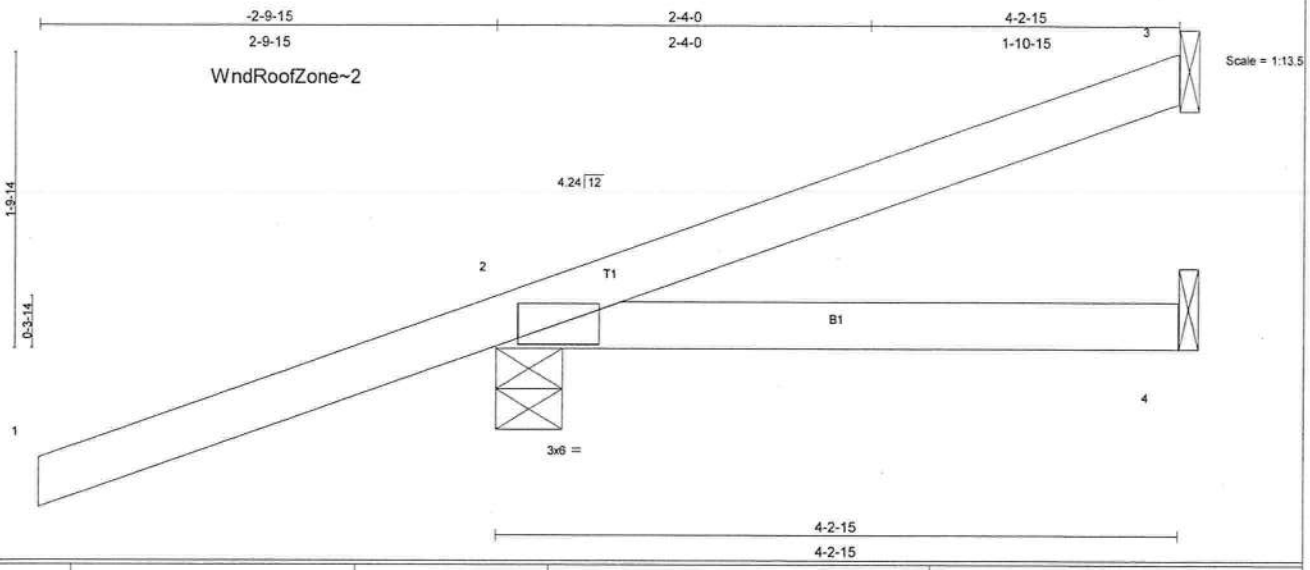
LOAD CASE(S) Standard

MAY 15, 2007,TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071293

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	HJ4	ROOF TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:11 2007 Page 1



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

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

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

REACTIONS (lb/size) 3=15/Mechanical, 2=289/0-4-15, 4=42/Mechanical
Max Horz 2=98(load case 2)
Max Uplift3=-6(load case 5), 2=-302(load case 2), 4=-41(load case 2)
Max Grav 3=32(load case 6), 2=289(load case 1), 4=42(load case 1)

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

JOINT STRESS INDEX
2 = 0.11

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

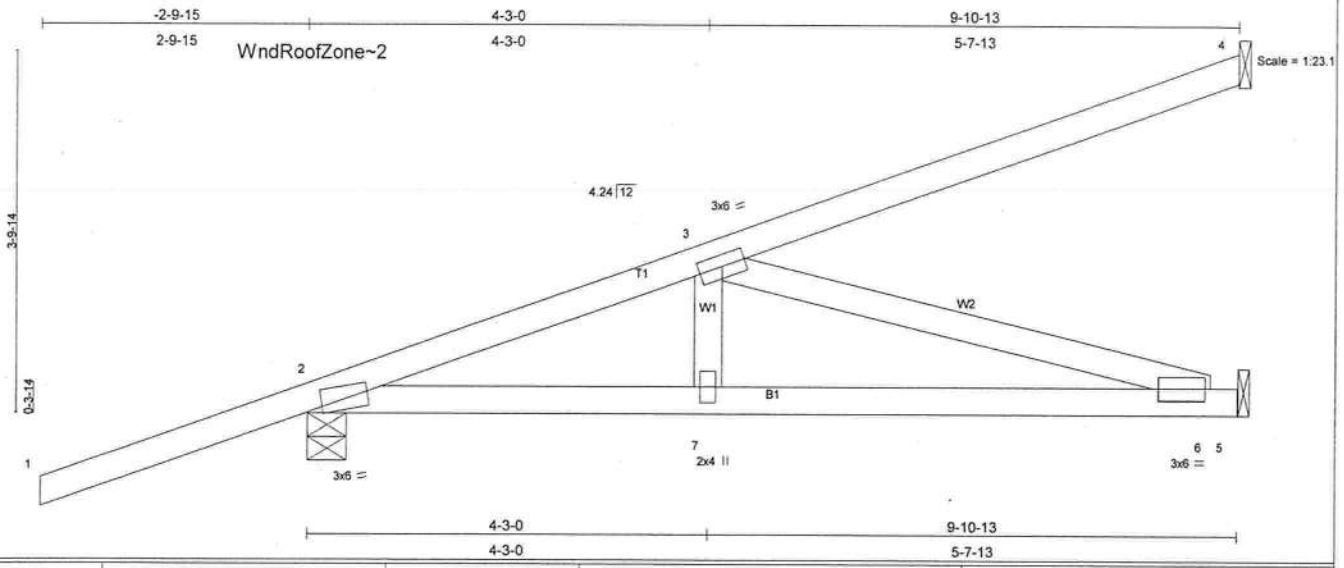
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-3(F=26, B=26)-to-3=-57(F=-2, B=-2), 2=-0(F=15, B=15)-to-4=-32(F=-1, B=-1)

MAY 15, 2007, TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071294

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	HJ9	ROOF TRUSS	7	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:12 2007 Page 1



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

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

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

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

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

JOINT STRESS INDEX
2 = 0.77, 3 = 0.23, 6 = 0.24 and 7 = 0.13

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 233 lb uplift at joint 4, 399 lb uplift at joint 2 and 183 lb uplift at joint 5.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-3(F=26, B=26)-to-4=-134(F=-40, B=-40), 2=-0(F=15, B=15)-to-5=-74(F=-22, B=-22)

MAY 15, 2007,TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071295

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T01	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:13 2007 Page 1

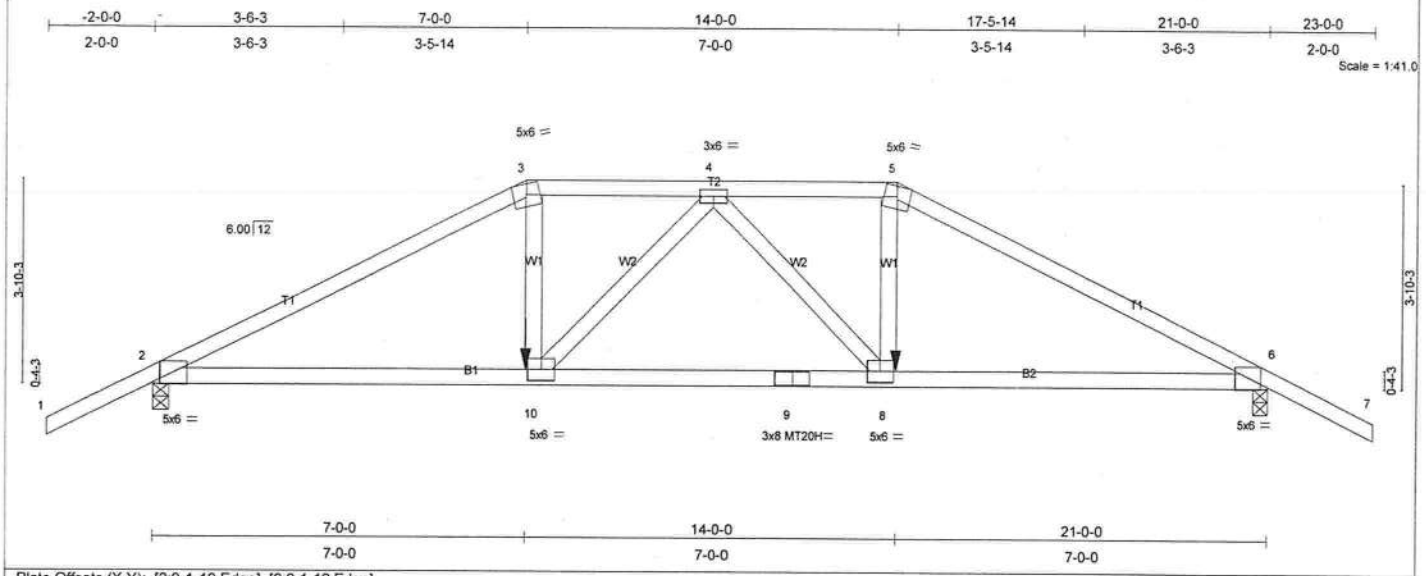


Plate Offsets (X,Y): [2:0-1-10,Edge], [6:0-1-10,Edge]

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

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

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

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

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

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 842 lb uplift at joint 2 and 842 lb uplift at joint 6.
7) Girder carries hip end with 7-0-0 end setback.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 14-0-0, and 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

MAY 15, 2007, TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071296

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T02	ROOF TRUSS	1	1	Job Reference (optional)

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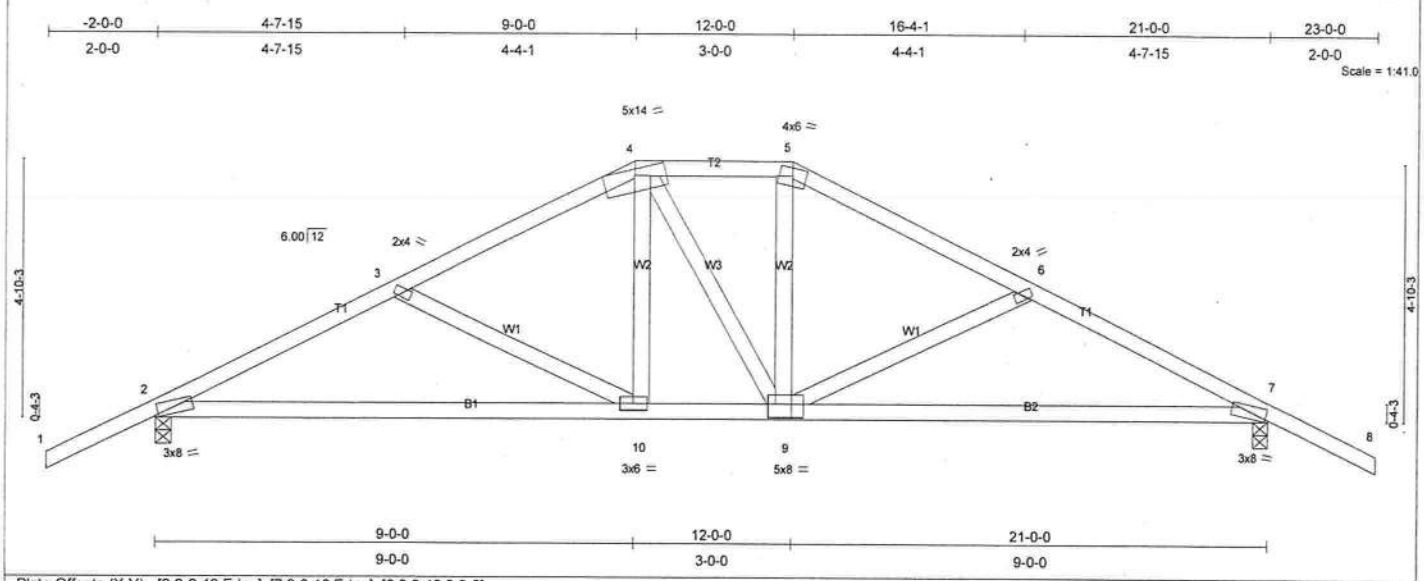

Plate Offsets (X,Y): [2:0-0-10,Edge], [7:0-0-10,Edge], [9:0-2-12,0-3-0]

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

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

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

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

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

JOINT STRESS INDEX
2 = 0.81, 3 = 0.34, 4 = 0.33, 5 = 0.33, 6 = 0.34, 7 = 0.79, 9 = 0.82 and 10 = 0.35

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 400 lb uplift at joint 2 and 400 lb uplift at joint 7.

LOAD CASE(S) Standard

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Dwg.#0515071297

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T03	ROOF TRUSS	6	1	Job Reference (optional)

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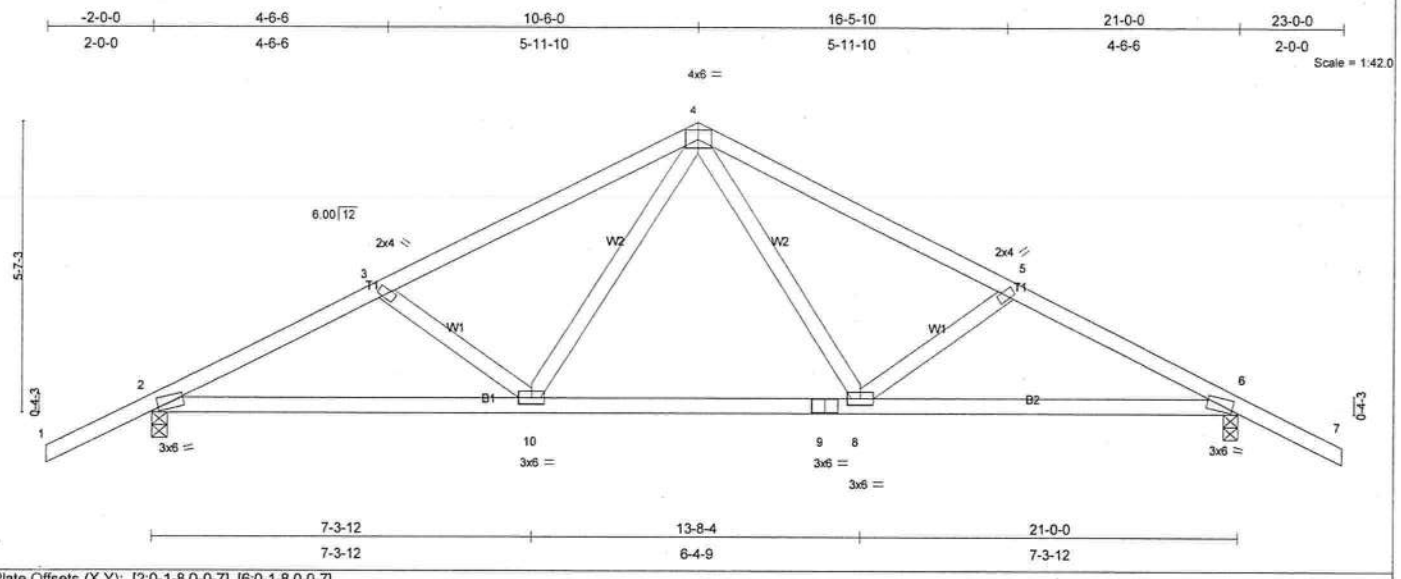

Plate Offsets (X,Y): [2:0-1-8,0-0-7], [6:0-1-8,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.17	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.27	8-10	>919	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.20	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 101 lb	

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

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

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

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

JOINT STRESS INDEX
2 = 0.81, 3 = 0.34, 4 = 0.61, 5 = 0.34, 6 = 0.81, 8 = 0.49, 9 = 0.47 and 10 = 0.49

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 469 lb uplift at joint 2 and 469 lb uplift at joint 6.
5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

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Dwg.#0515071298

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T04	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:18 2007 Page 1

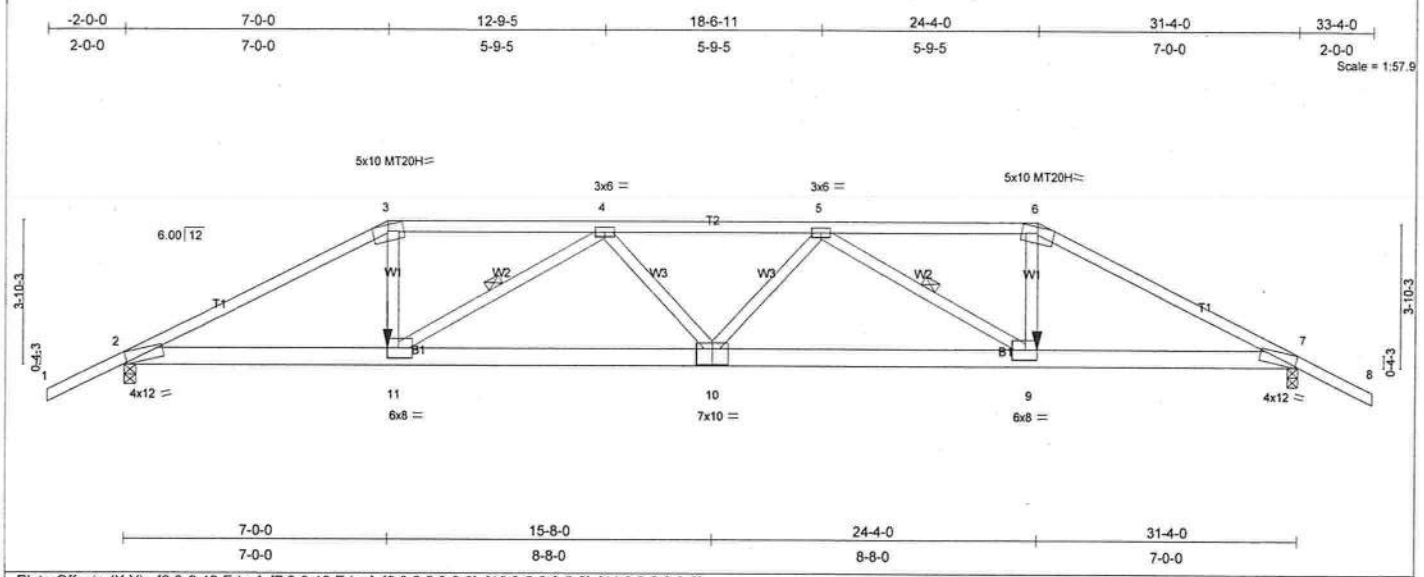

Plate Offsets (X,Y): [2:0-0-13,Edge], [7:0-0-13,Edge], [9:0-3-8,0-3-0], [10:0-5-0,0-5-0], [11:0-3-8,0-3-0]

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

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

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

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

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

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1201 lb uplift at joint 2 and 1201 lb uplift at joint 7.
7) Girder carries hip end with 7-0-0 end setback.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 24-4-0, and 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

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Dwg.#0515071299

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T05	ROOF TRUSS	1	1	Job Reference (optional)

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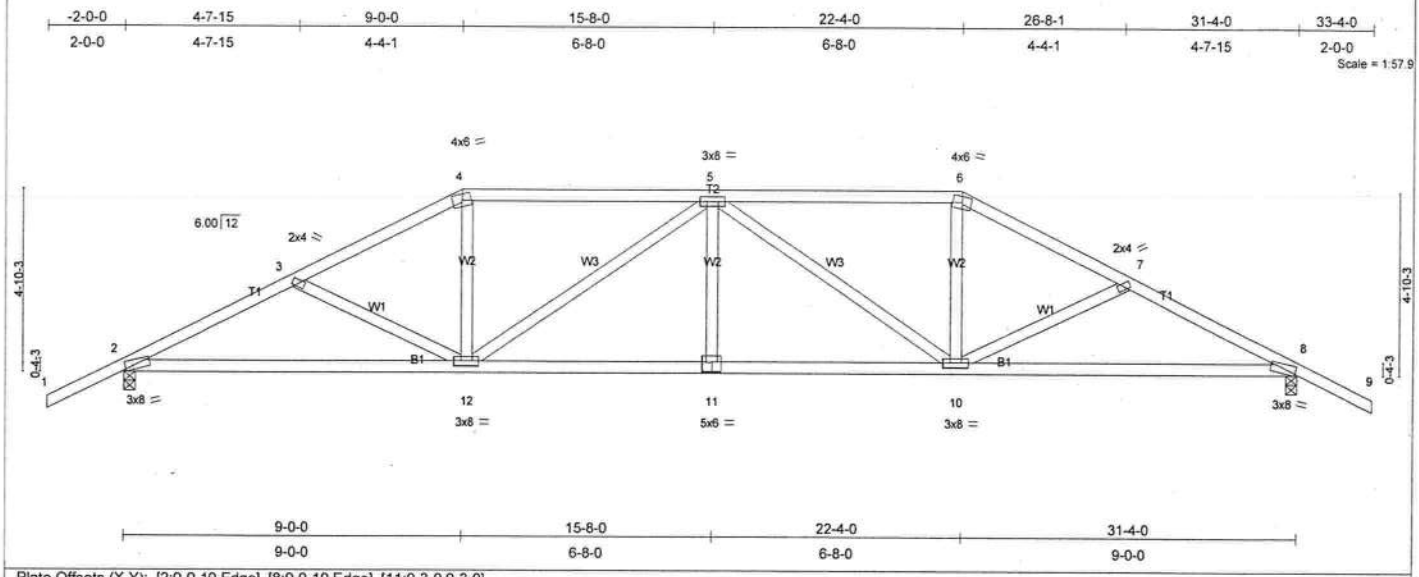

Plate Offsets (X,Y): [2:0-0-10,Edge], [8:0-0-10,Edge], [11:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.21	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.35	8-10	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.61	Horz(TL)	0.11	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 160 lb	

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

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

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

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

JOINT STRESS INDEX
2 = 0.85, 3 = 0.34, 4 = 0.73, 5 = 0.57, 6 = 0.73, 7 = 0.34, 8 = 0.85, 10 = 0.57, 11 = 0.54 and 12 = 0.57

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 500 lb uplift at joint 2 and 500 lb uplift at joint 8.

LOAD CASE(S) Standard

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Dwg.#0515071300

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T06	ROOF TRUSS	1	1	Job Reference (optional)

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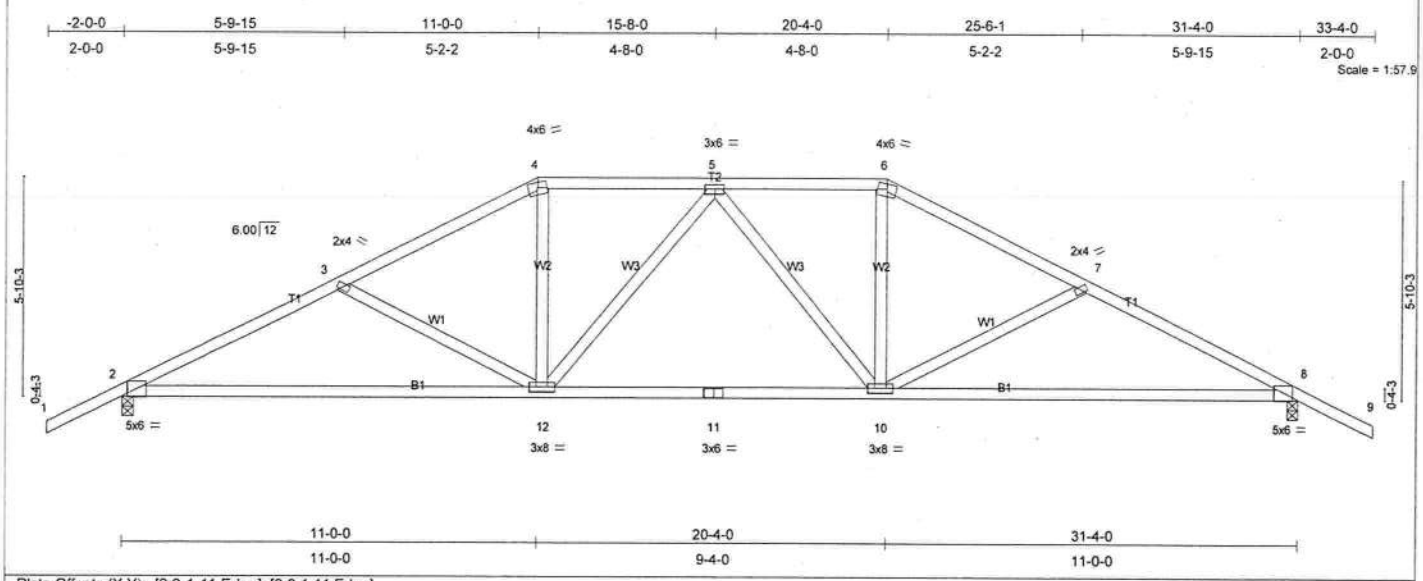

Plate Offsets (X,Y): [2:0-1-11,Edge], [8:0-1-11,Edge]

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

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

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

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

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

JOINT STRESS INDEX
2 = 0.77, 3 = 0.34, 4 = 0.55, 5 = 0.40, 6 = 0.55, 7 = 0.34, 8 = 0.77, 10 = 0.57, 11 = 0.69 and 12 = 0.57

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 517 lb uplift at joint 2 and 517 lb uplift at joint 8.

LOAD CASE(S) Standard

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Dwg.#0515071301

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T07	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:20 2007 Page 1

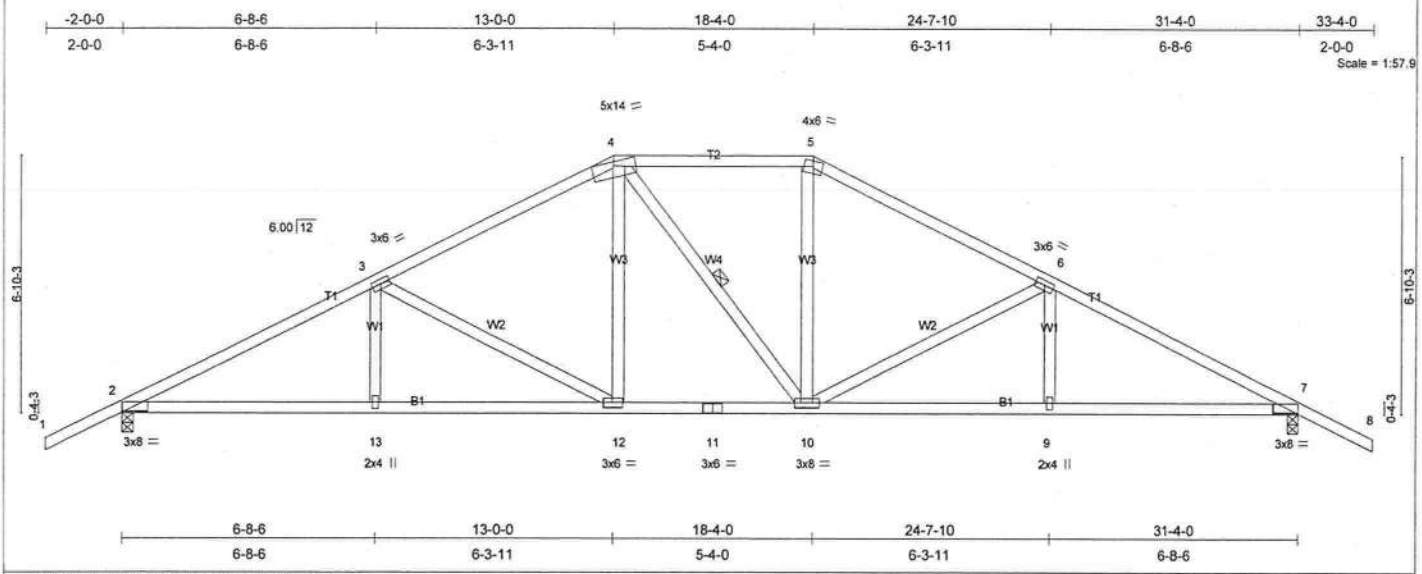

Plate Offsets (X,Y): [2:0-8-0,0-0-6], [7:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	-0.16	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.49	Vert(TL)	-0.25	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.56	Horz(TL)	0.10	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 165 lb	

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

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

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

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

JOINT STRESS INDEX
2 = 0.75, 3 = 0.41, 4 = 0.78, 5 = 0.70, 6 = 0.41, 7 = 0.75, 9 = 0.34, 10 = 0.58, 11 = 0.53, 12 = 0.35 and 13 = 0.34

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

LOAD CASE(S) Standard

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Dwg.#0515071302

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T08	ROOF TRUSS	1	1	Job Reference (optional)

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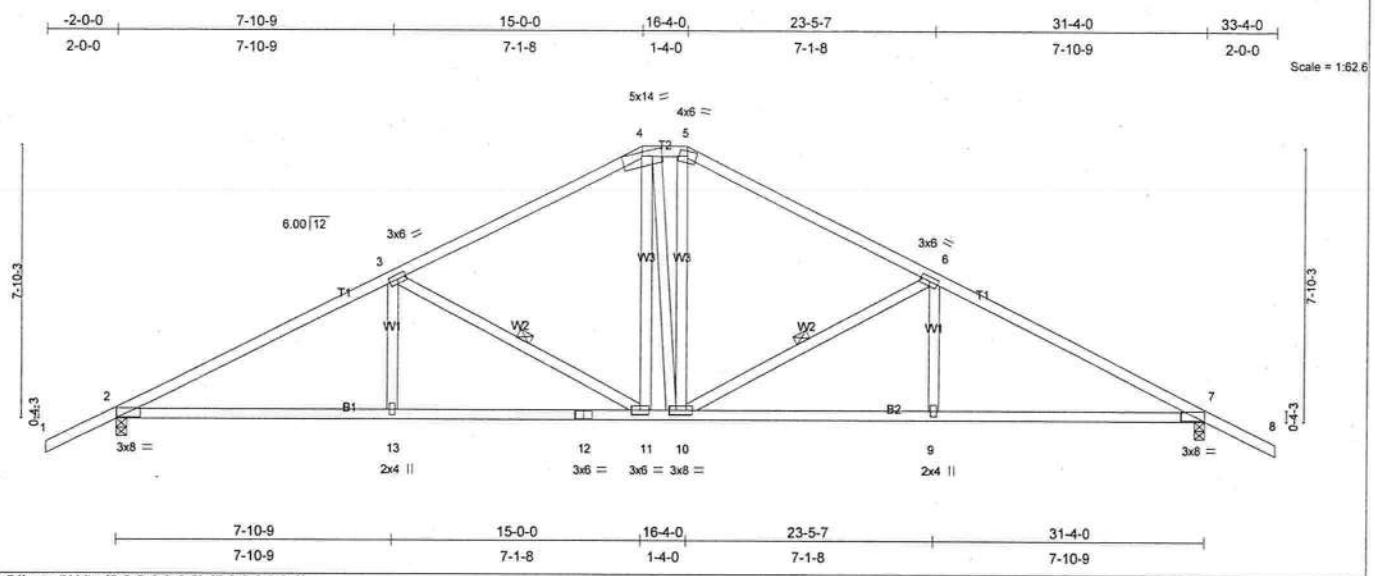

Plate Offsets (X,Y): [2:0-8-0,0-0-6], [7:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.18	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.29	7-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.25	Horz(TL)	0.10	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 173 lb	

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

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

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

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

JOINT STRESS INDEX
2 = 0.74, 3 = 0.41, 4 = 0.77, 5 = 0.78, 6 = 0.41, 7 = 0.74, 9 = 0.34, 10 = 0.58, 11 = 0.35, 12 = 0.75 and 13 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 544 lb uplift at joint 2 and 554 lb uplift at joint 7.

LOAD CASE(S) Standard

MAY 15, 2007, TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071303

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T09	ROOF TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:23 2007 Page 1

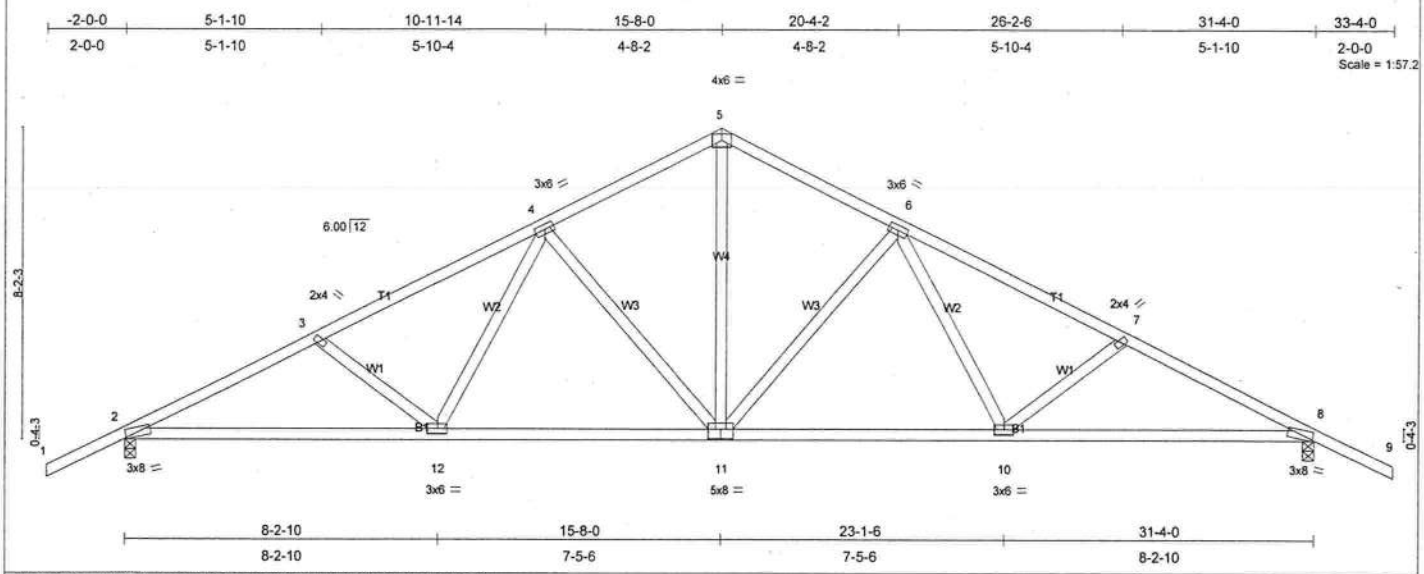

Plate Offsets (X,Y): [2:0-0-10,Edge], [8:0-0-10,Edge], [11:0-4-0,0-3-0]

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

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

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

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

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

JOINT STRESS INDEX
2 = 0.80, 3 = 0.34, 4 = 0.42, 5 = 0.51, 6 = 0.42, 7 = 0.34, 8 = 0.80, 10 = 0.46, 11 = 0.47 and 12 = 0.46

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 548 lb uplift at joint 2 and 548 lb uplift at joint 8.

LOAD CASE(S) Standard

MAY 15, 2007, TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071304

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T10	ROOF TRUSS	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:24 2007 Page 1

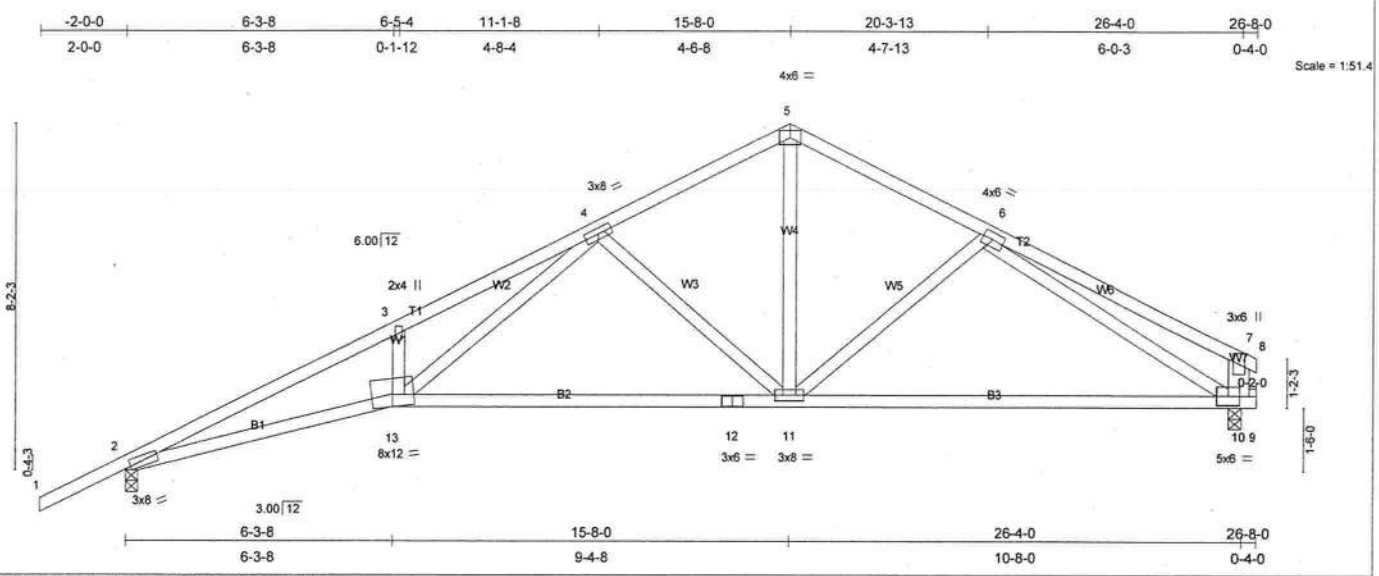

Plate Offsets (X,Y): [2:0-3-12,Edge], [13:0-6-0,0-3-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.36	11-13	>870	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.74	Vert(TL)	-0.59	11-13	>531	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.84	Horz(TL)	0.19	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 138 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W7 2 X 6 SYP No.1D

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

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

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

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 490 lb uplift at joint 2 and 356 lb uplift at joint 10.

LOAD CASE(S) Standard

MAY 15, 2007, TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071305

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T11	ROOF TRUSS	1	1	Job Reference (optional)

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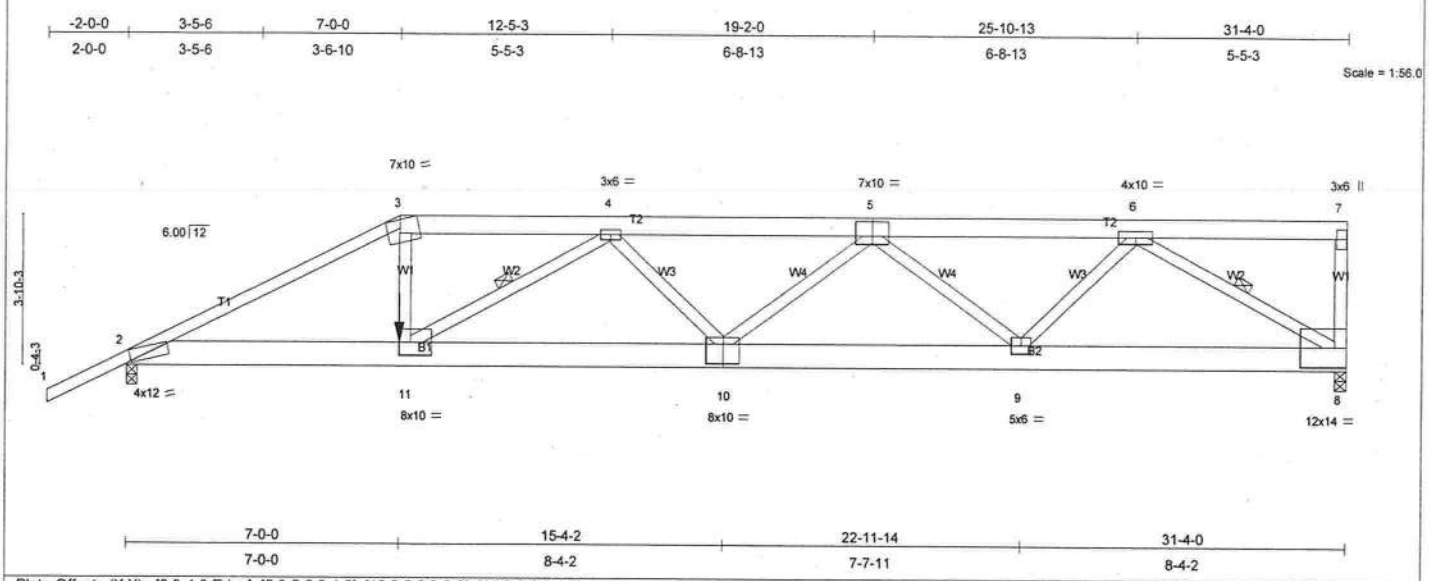

Plate Offsets (X,Y): [3:0-4-2,Edge], [5:0-5-0,0-4-8], [10:0-5-0,0-6-0], [11:0-3-8,0-4-0]

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

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

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

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

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

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1300 lb uplift at joint 8 and 1174 lb uplift at joint 2.
6) Girder carries hip end with 0-0-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

MAY 15, 2007,TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071306

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T12	ROOF TRUSS	1	1	Job Reference (optional)

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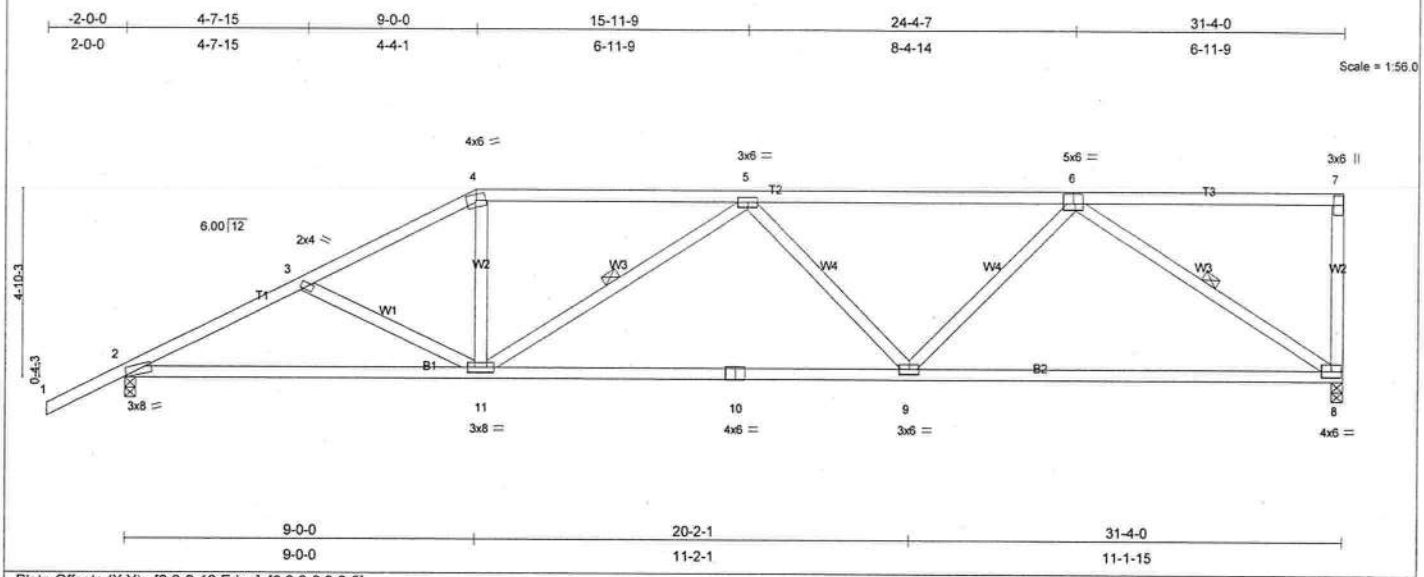

Plate Offsets (X,Y): [2:0-0-10,Edge], [6:0-3-0,0-3-0]

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

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

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

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

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

JOINT STRESS INDEX
2 = 0.80, 3 = 0.34, 4 = 0.71, 5 = 0.37, 6 = 0.67, 7 = 0.45, 8 = 0.74, 9 = 0.48, 10 = 0.90 and 11 = 0.57

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 478 lb uplift at joint 8 and 491 lb uplift at joint 2.

LOAD CASE(S) Standard

MAY 15, 2007, TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071307

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T13	ROOF TRUSS	1	1	Job Reference (optional)

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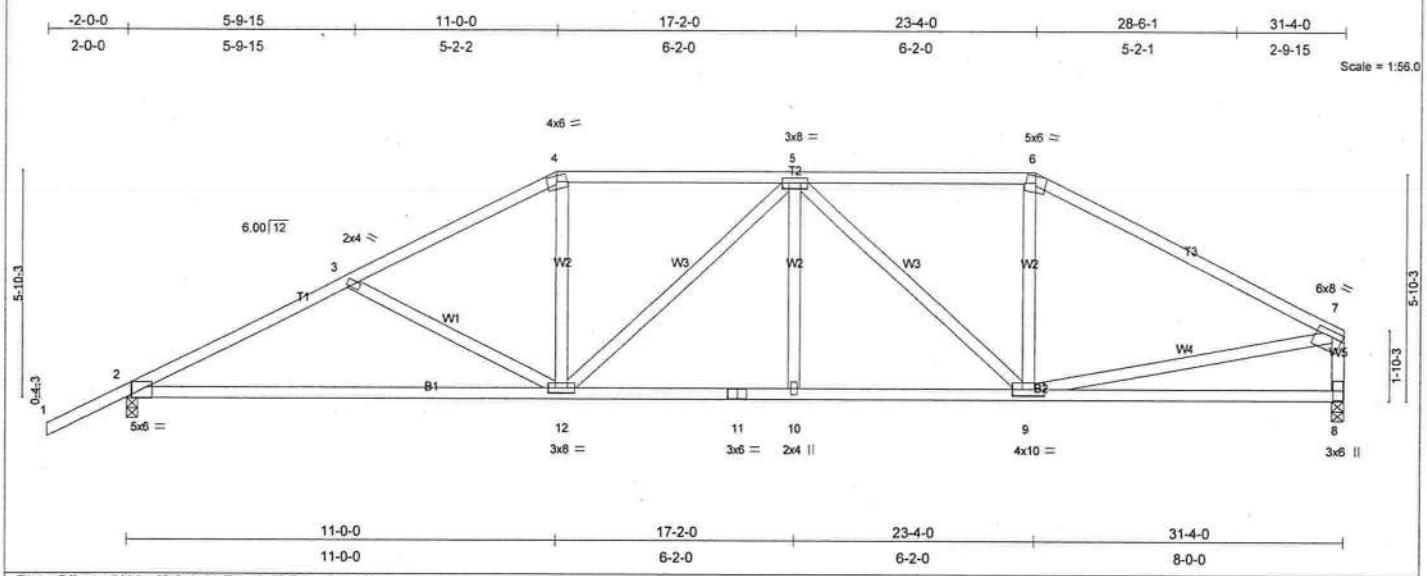

Plate Offsets (X,Y): [2:0-1-11,Edge], [7:Edge,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.37	2-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-0.63	2-12	>592	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.70	Horz(TL)	0.08	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 169 lb	

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

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

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

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

JOINT STRESS INDEX
2 = 0.76, 3 = 0.34, 4 = 0.68, 5 = 0.57, 6 = 0.69, 7 = 0.87, 8 = 0.61, 9 = 0.52, 10 = 0.34, 11 = 0.63 and 12 = 0.57

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 518 lb uplift at joint 2 and 364 lb uplift at joint 8.

LOAD CASE(S) Standard

MAY 15, 2007,TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071308

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T14	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:28 2007 Page 1

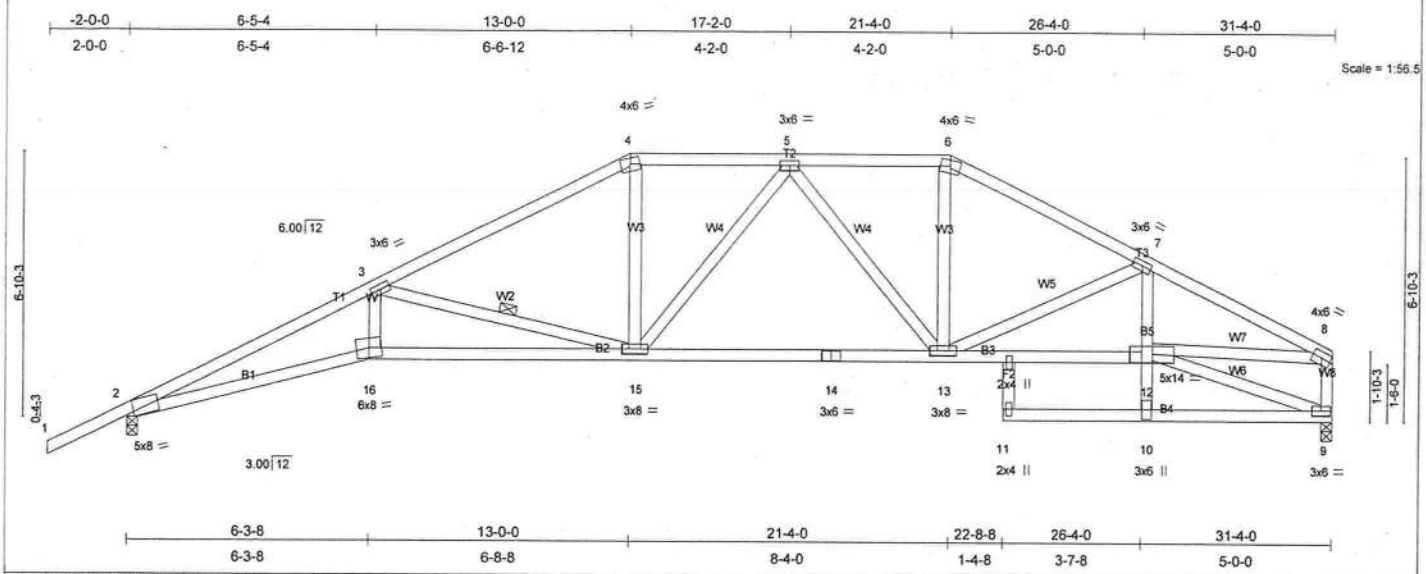

Plate Offsets (X,Y): [2:0-2-7,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	-0.47	11	>790	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-0.78	11	>479	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.80	Horz(TL)	0.38	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 182 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B5 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3 *Except*
W8 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

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

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

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

JOINT STRESS INDEX
2 = 0.87, 3 = 0.86, 4 = 0.85, 5 = 0.40, 6 = 0.64, 7 = 0.64, 8 = 0.86, 9 = 0.58, 10 = 0.40, 11 = 0.34, 12 = 0.76, 13 = 0.57, 14 = 0.84, 15 = 0.84, 16 = 0.98 and 17 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 527 lb uplift at joint 2 and 364 lb uplift at joint 9.

LOAD CASE(S) Standard

MAY 15, 2007, TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071309

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T15	ROOF TRUSS	1	1	Job Reference (optional)

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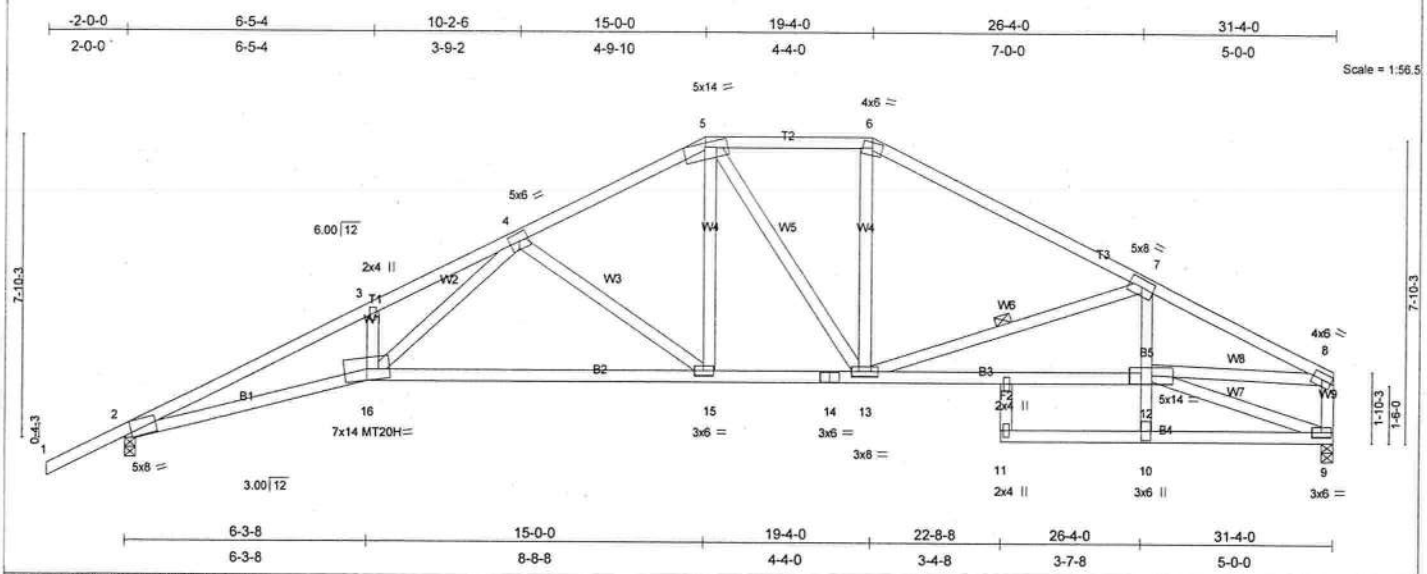


Plate Offsets (X,Y): [2:0-2-7,Edge]

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

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

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

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

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

JOINT STRESS INDEX
2 = 0.87, 3 = 0.34, 4 = 0.79, 5 = 0.47, 6 = 0.85, 7 = 0.64, 8 = 0.87, 9 = 0.58, 10 = 0.42, 11 = 0.34, 12 = 0.91, 13 = 0.59, 14 = 0.71, 15 = 0.49, 16 = 0.64 and 17 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 539 lb uplift at joint 2 and 379 lb uplift at joint 9.

LOAD CASE(S) Standard

MAY 15, 2007,TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071310

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T16	ROOF TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:30 2007 Page 1

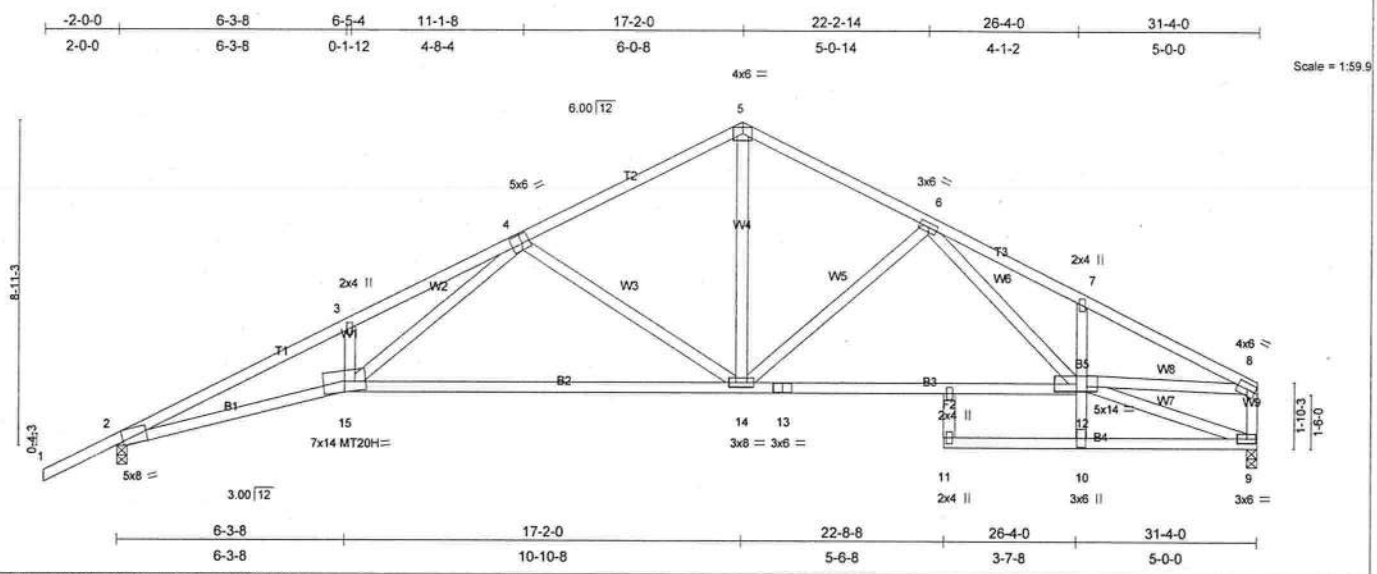


Plate Offsets (X,Y): [2:0-2-7,Edge], [4:0-2-8,0-3-0]

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

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

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

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

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

JOINT STRESS INDEX
2 = 0.88, 3 = 0.34, 4 = 0.83, 5 = 0.58, 6 = 0.50, 7 = 0.34, 8 = 0.80, 9 = 0.60, 10 = 0.47, 11 = 0.34, 12 = 0.53, 13 = 0.96, 14 = 0.60, 15 = 0.70 and 16 = 0.34

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All plates are MT20 plates unless otherwise indicated.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 550 lb uplift at joint 2 and 392 lb uplift at joint 9.

LOAD CASE(S) Standard

MAY 15, 2007,TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071311

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T17	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:31 2007 Page 1

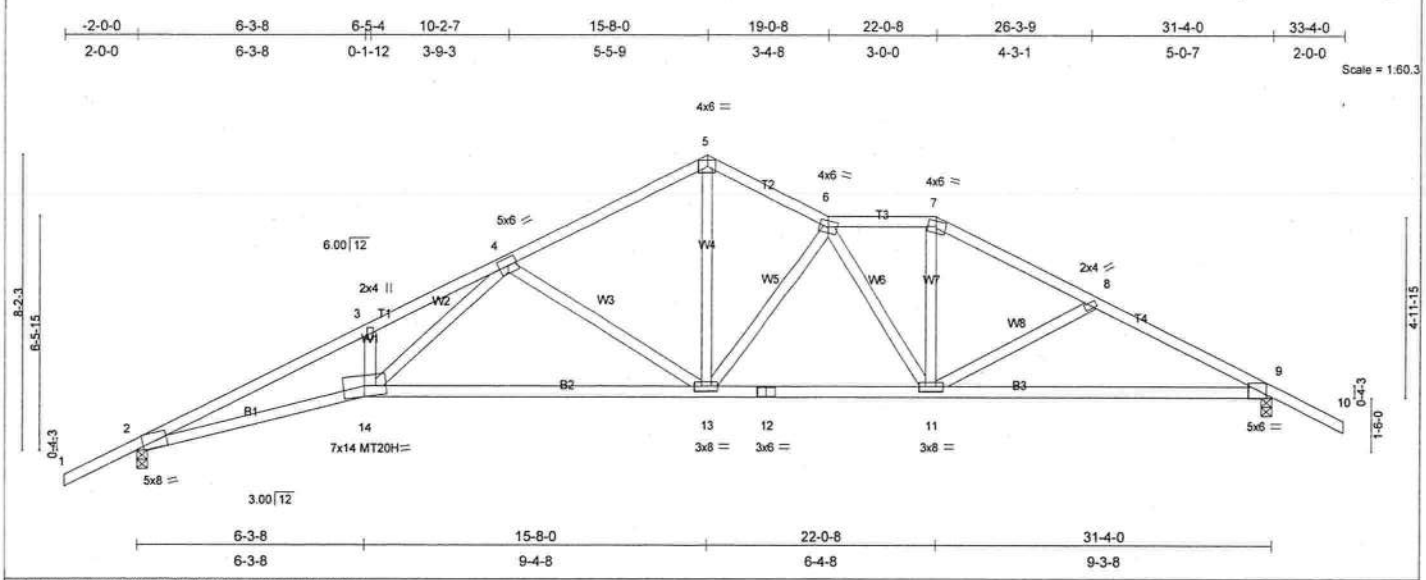


Plate Offsets (X,Y): [2:0-2-7,Edge], [9:0-1-11,Edge]

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

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

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

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

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

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 548 lb uplift at joint 2 and 546 lb uplift at joint 9.

LOAD CASE(S) Standard

MAY 15, 2007,TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071312

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T18	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:32 2007 Page 1

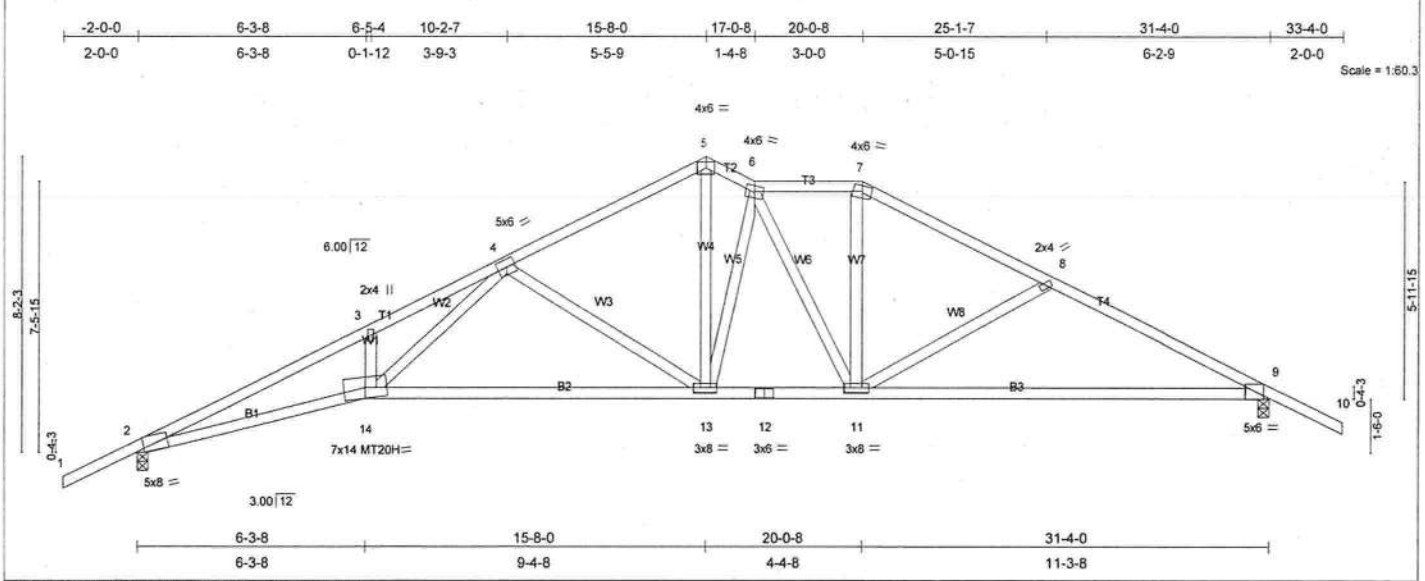


Plate Offsets (X,Y): [2:0-2-7,Edge], [9:0-1-11,Edge]

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

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

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

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

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

JOINT STRESS INDEX
2 = 0.85, 3 = 0.34, 4 = 0.79, 5 = 0.60, 6 = 0.47, 7 = 0.51, 8 = 0.34, 9 = 0.78, 11 = 0.62, 12 = 0.86, 13 = 0.69 and 14 = 0.66

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 548 lb uplift at joint 2 and 546 lb uplift at joint 9.

LOAD CASE(S) Standard

MAY 15, 2007,TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071313

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T19	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:33 2007 Page 1

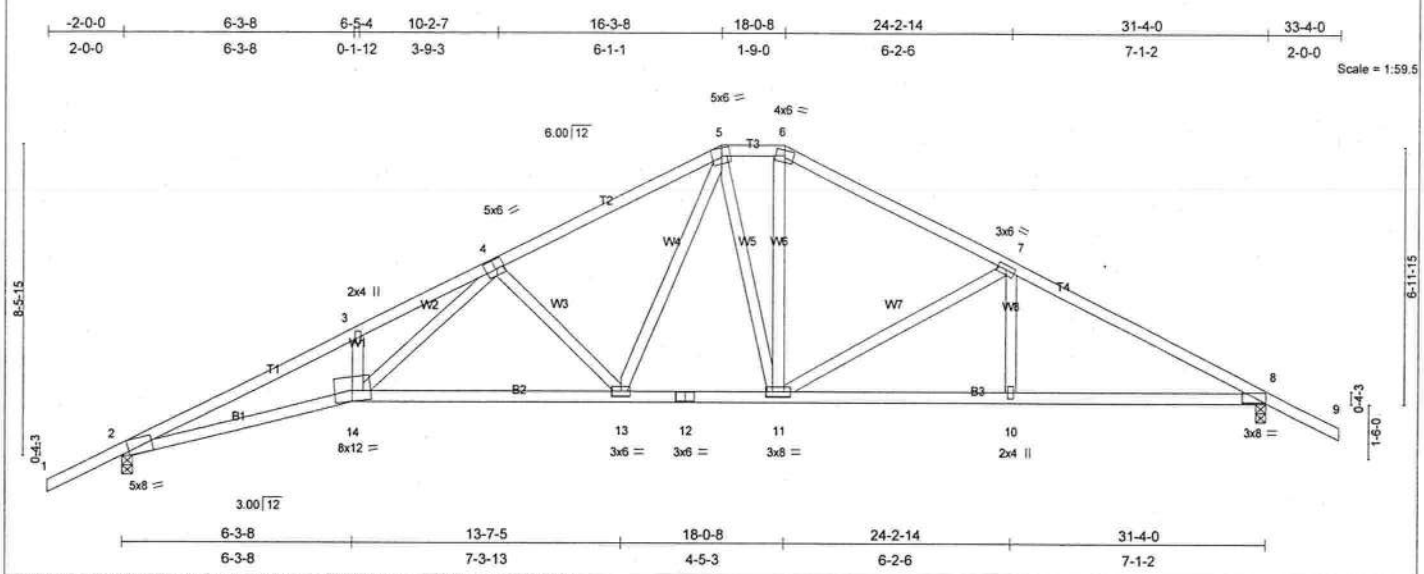


Plate Offsets (X,Y): [2:0-2-7,Edge], [4:0-3-0,0-3-0], [8:0-8-0,0-0-6], [14:0-6-0,0-3-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.72	Vert(LL)	-0.40	13-14	>940	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.89	Vert(TL)	-0.64	13-14	>580	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.61	Horz(TL)	0.26	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 167 lb	

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

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

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

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

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 551 lb uplift at joint 2 and 527 lb uplift at joint 8.

LOAD CASE(S) Standard

MAY 15, 2007,TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071314

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T20	ROOF TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:34 2007 Page 1

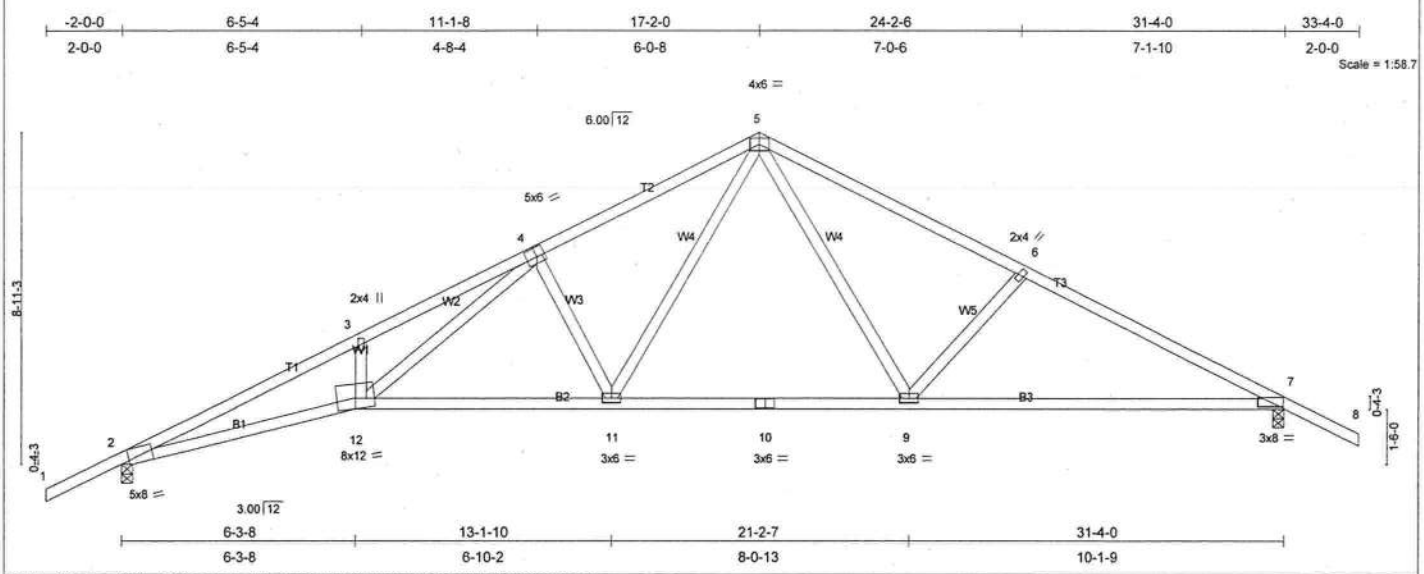


Plate Offsets (X,Y): [2:0-2-7,Edge], [4:0-2-12,0-3-0], [7:0-8-4,0-0-10], [12:0-6-0,0-3-8]

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

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

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

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

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

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 555 lb uplift at joint 2 and 533 lb uplift at joint 7.

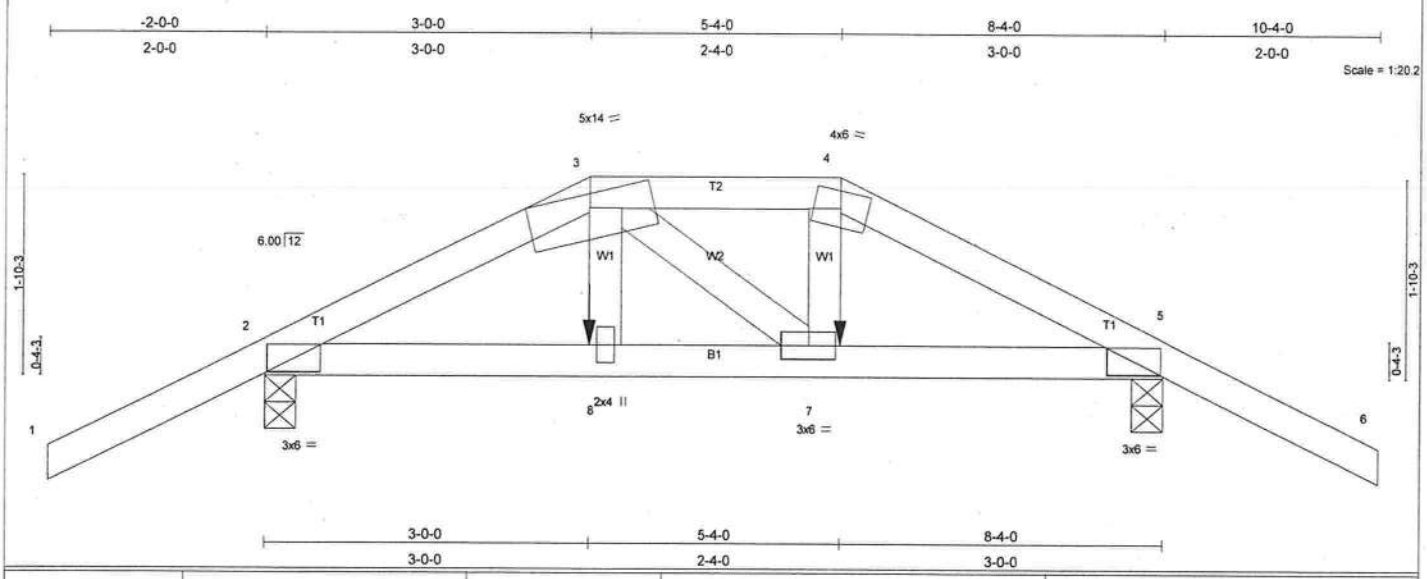
LOAD CASE(S) Standard

MAY 15, 2007,TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071315

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T21	ROOF TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:35 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.01	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.17	Vert(TL)	-0.02	7-8	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.05	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 40 lb	

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

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

REACTIONS (lb/size) 2=533/0-3-8, 5=533/0-3-8
Max Horz 2=59(load case 4)
Max Uplift2=-378(load case 4), 5=-378(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-586/305, 3-4=-489/290, 4-5=-587/306, 5-6=0/47
BOT CHORD 2-8=-233/476, 7-8=-240/487, 5-7=-221/477
WEBS 3-8=-86/144, 4-7=-84/150, 3-7=-39/39

JOINT STRESS INDEX
2 = 0.52, 3 = 0.13, 4 = 0.13, 5 = 0.52, 7 = 0.10 and 8 = 0.10

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

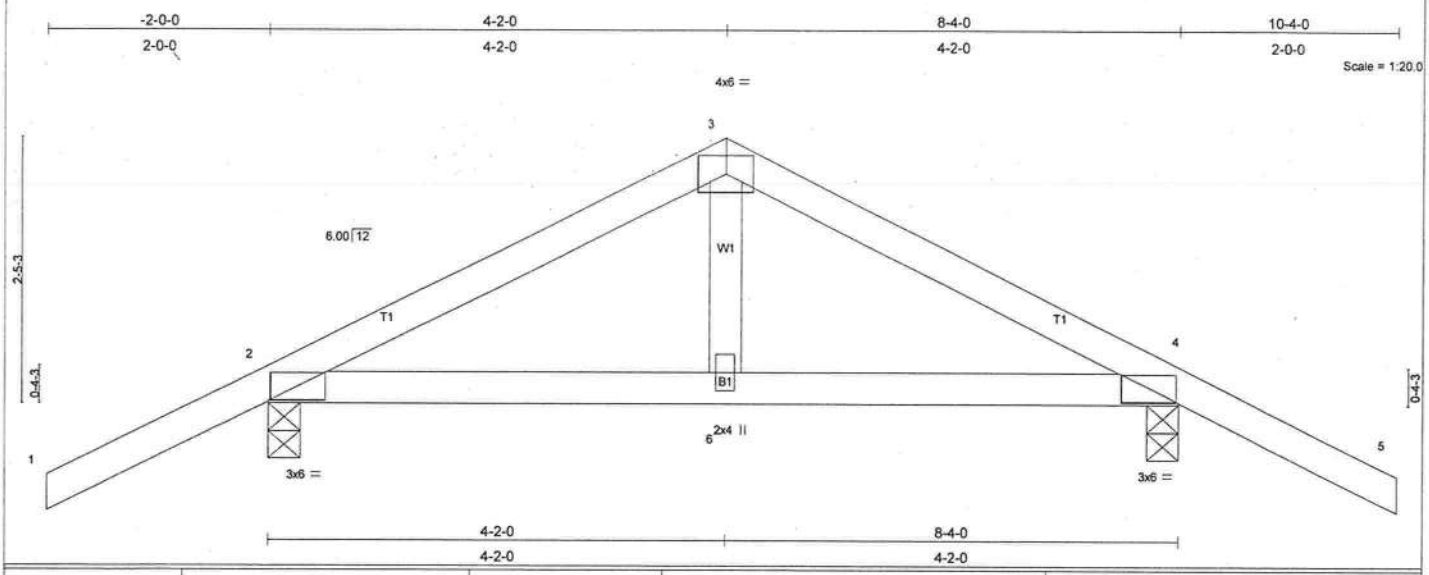
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-54, 3-4=-64(F=-10), 4-6=-54, 2-8=-30, 7-8=-35(F=-5), 5-7=-30
Concentrated Loads (lb)
Vert: 8=-63(F) 7=-63(F)

MAY 15, 2007,TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071316

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T22	ROOF TRUSS	3	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Tue May 15 18:05:36 2007 Page 1



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

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

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

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

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

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 344 lb uplift at joint 2 and 344 lb uplift at joint 4.

LOAD CASE(S) Standard

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

Dwg.#0515071317

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T23	ROOF TRUSS	1	1	Job Reference (optional)

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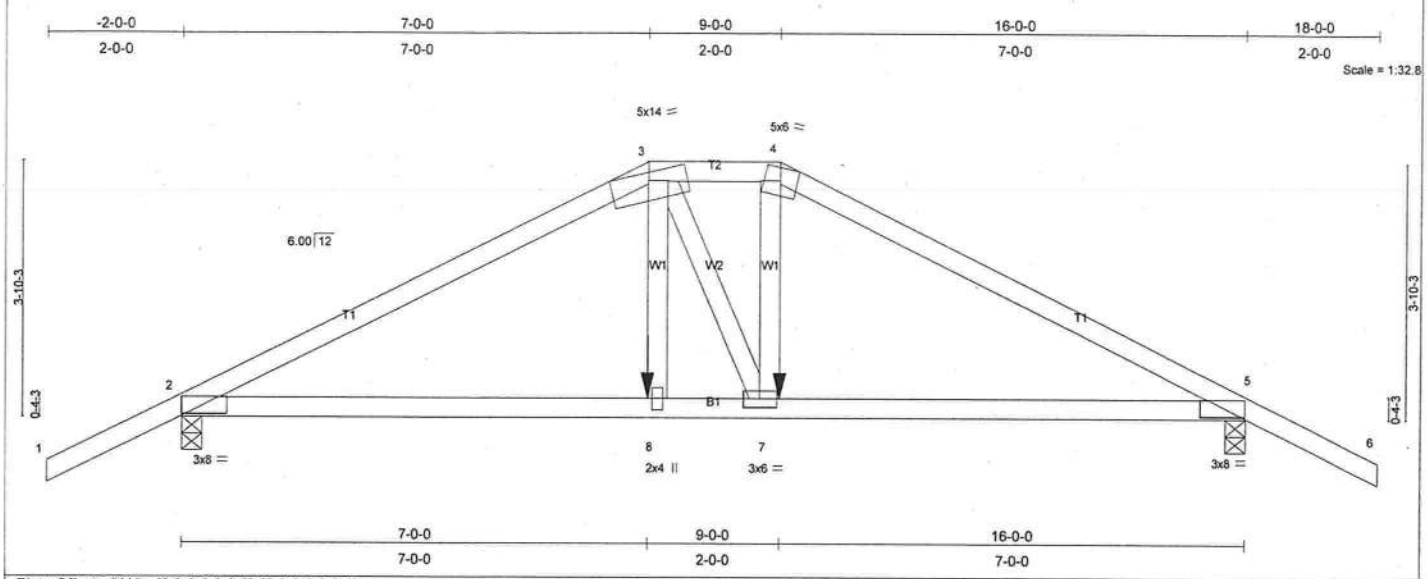

Plate Offsets (X,Y): [2:0-8-0,0-0-6], [5:0-8-0,0-0-6]

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

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

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

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

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

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
3) Provide adequate drainage to prevent water ponding.
4) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 862 lb uplift at joint 2 and 862 lb uplift at joint 5.
6) Girder carries hip end with 7-0-0 end setback.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 9-0-0, and 539 lb down and 277 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

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16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0515071318

Job	Truss	Truss Type	Qty	Ply	GIEBEIG HOMES - LOT 17 CCP
L240112	T24	ROOF TRUSS	3	1	Job Reference (optional)

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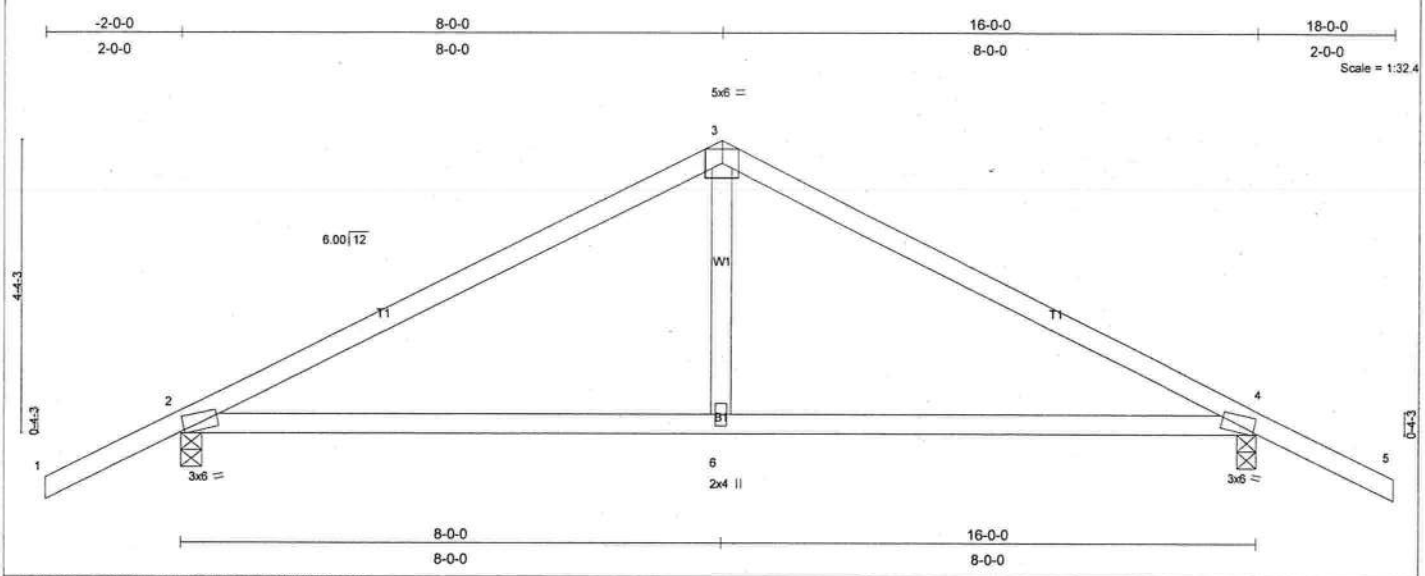

Plate Offsets (X,Y): [2:0-0-10,Edge], [4:0-0-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	0.21	2-6	>879	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.20	2-6	>925	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.02	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 63 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-11-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-10-9 oc bracing.

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

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

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

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=13ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 539 lb uplift at joint 2 and 539 lb uplift at joint 4.

LOAD CASE(S) Standard

MAY 15, 2007,TRUSS DESIGN ENGINEER:.
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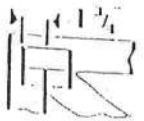
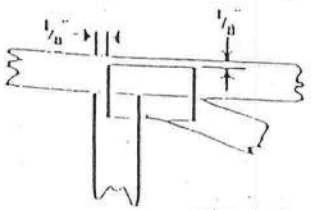
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Symbols

PLATE LOCATION AND ORIENTATION



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



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

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

PLATE SIZE

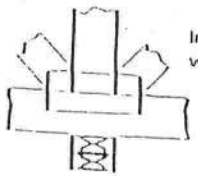
4 X 4

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

LATERAL BRACING

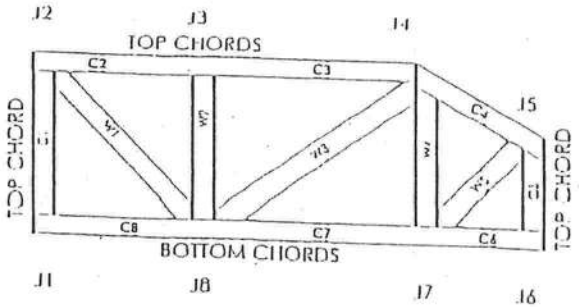
Indicates location of required continuous lateral bracing.

BEARING



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

Numbering System



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

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

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

MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at ¼ panel length (1.6" from adjacent joint.)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

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.

#25858

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 321 N.W. Cole Terrace, Suite 107 City Lake City State FL Zip 32055
Company Business License No. JB109476 Company Phone No. 386-755-3611 • 352-494-5751
FHA/VA Case No. (if any)

Section 2: Builder Information

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

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 509 SW Gerald Conner Dr. Lot #17 Cannon Creek Place 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) 6/7/07
Brand Name of Product(s) Used Termidor
EPA Registration No. 7969-210
Approximate Final Mix Solution % .06%
Approximate Size of Treatment Area: Sq. ft. 2743 Linear ft. 278 Linear ft. of Masonry Voids 262
Approximate Total Gallons of Solution Applied 600 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) JF1043376

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 6/7/07

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)

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 23-4S-16-03095-117 **Building permit No.** 000025859

Use Classification SFD,UTILITY **Fire:** 77.00

Permit Holder TRENT GIEBEIG **Waste:** 201.00

Owner of Building PETE GIEBEIG **Total:** 278.00

Location: 509 SW GERALD CONNER DR, LAKE CITY, FL

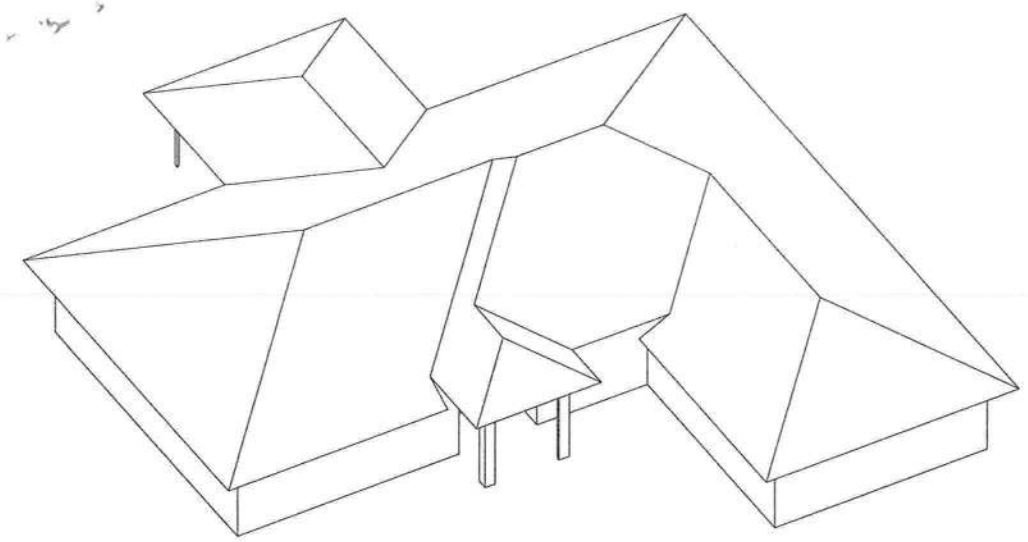
Date: 10/17/2007

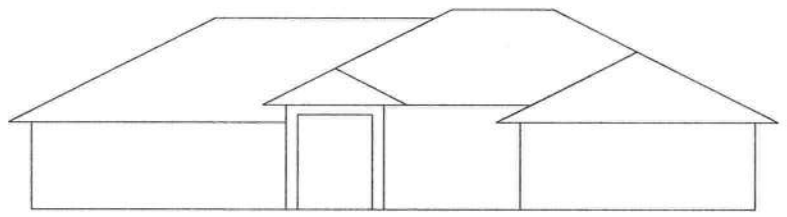
Harry Dicks

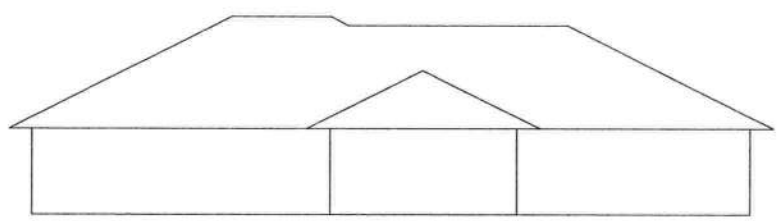
Building Inspector

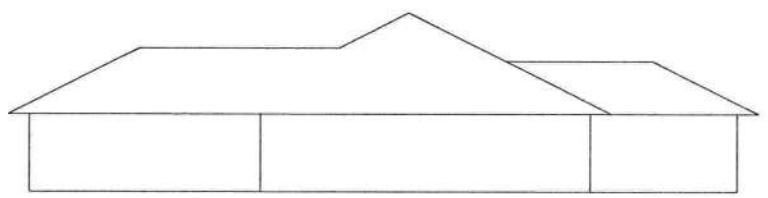
POST IN A CONSPICUOUS PLACE
(Business Places Only)

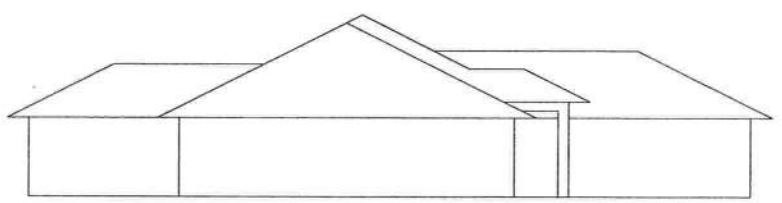
6/12 PITCH - 2'0" O/H

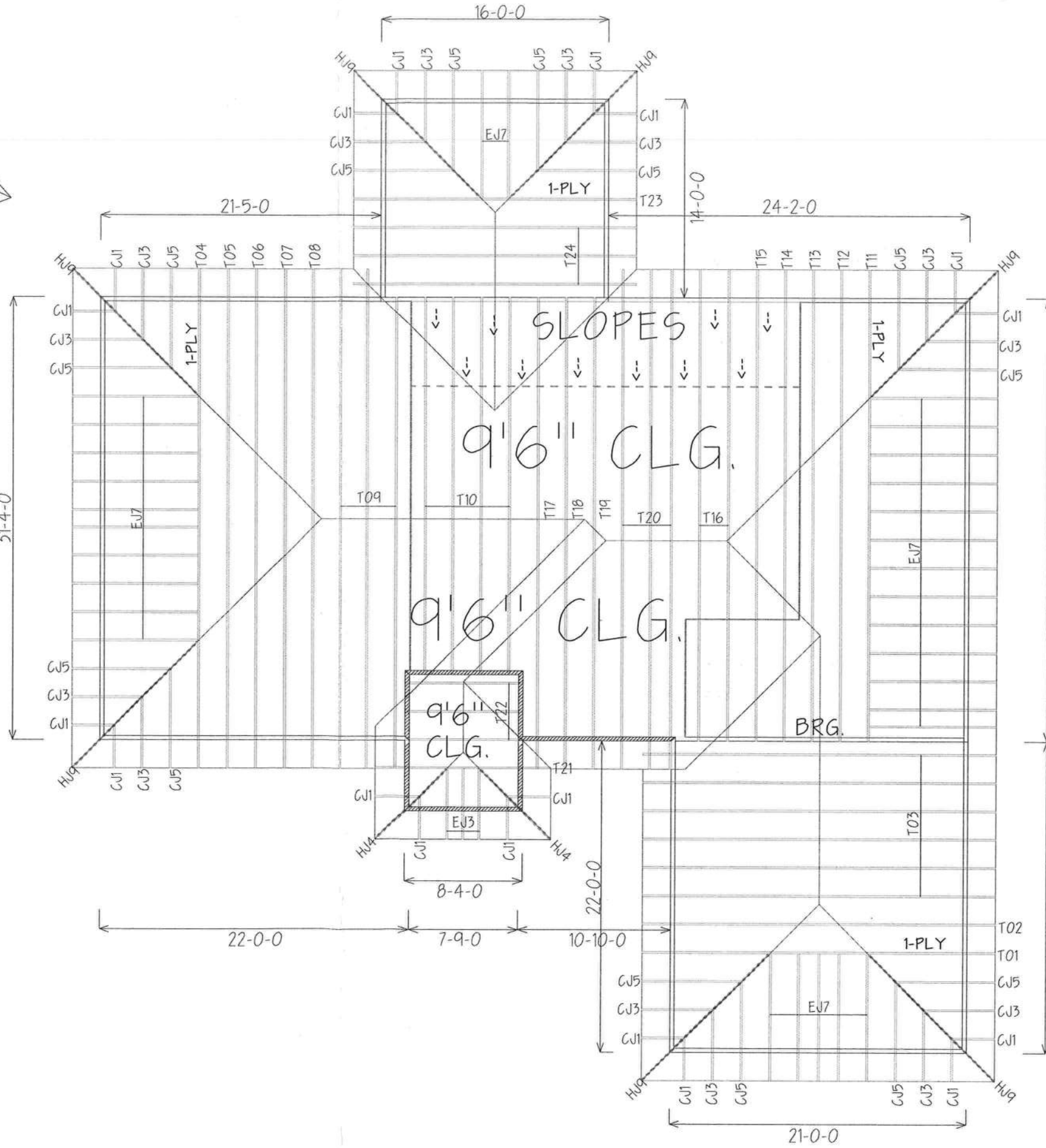












BEARING HEIGHT SCHEDULE

	8'-0"
	9'-6"

NOTES:

1) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING.) REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.
2) ALL TRUSSES (INCLUDING TRUSSES UNDER VALLEY FRAMING) MUST BE COMPLETELY DECKED OR REFER TO DETAIL V105 FOR ALTERNATE BRACING REQUIREMENTS.
3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
4) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HU526 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.
8) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

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

Requested Delivery Date : _____

Approved by: _____ Date: _____

Builders FirstSource

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

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

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

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

BUILDER: GIEBEIG HOMES		
LEGAL ADDRESS: LOT 17 CCP		
MODEL: ST.JOHNS 4-BDRM		REVISION:
		SCALE: NTS
DATE: 5-15-07	DRAWN BY: K.L.H.	JOB #: L240112