DATE 05/08/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000024476

APPLICANT MARK HADDOX PHONE 386.755.2411

ADDRESS POB 3535 LAKE CITY FL 32056

OWNER MARGARETHA A. DANIELS PHONE

ADDRESS 220 SW FIELDSTONE COURT LAKE CITY FL 32024

CONTRACTOR WILLIAM G. WOOD PHONE 755.2411

LOCATION OF PROPERTY 90-W TO EMERALD COVE,TL TO FIELDSTONE CT, TR AND IT'S 1/2 WAY DOWN ON THE R. LOT 64

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 70150.00

HEATED FLOOR AREA 1403.00 TOTAL AREA 2139.00 HEIGHT 16.37 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC

LAND USE & ZONING RSF-2 MAX. HEIGHT 35

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

NO. EX.D.U. 0 FLOOD ZONE XPP DEVELOPMENT PERMIT NO.

PARCEL ID 33-3S-16-02438-164 SUBDIVISION EMERALD COVE

LOT 64 BLOCK PHASE 1 UNIT TOTAL ACRES 0.00

000001068		CBC058182		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
18"X32'MITERED	06-0408N	BK	JH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD.

Check # or Cash 1217

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 $ 355.00 CERTIFICATION FEE $ 10.70 SURCHARGE FEE $ 10.70

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

FLOOD DEVELOPMENT FEE $ ____ FLOOD ZONE FEE $ ____ CULVERT FEE $ 25.00 **TOTAL FEE** 451.40

INSPECTORS OFFICE ____ CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0604-63 Date Received 4/24/06 By JW Permit # 24476/1068

Application Approved by - Zoning Official BLK Date 4.04.06 Plans Examiner DK JTH Date 4-24-06

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

Comments

Applicants Name Mark Haddox Phone 755-2411

Address PO Box 3535 Lake City, FL 32056

Owners Name Margarctha A. Daniels Phone

911 Address 220 SW Fieldstone ct

Contractors Name Woodman Park Builders William Wood Phone 755-8699

Address PO Box 3535 Lake City, FL 32056

Fee Simple Owner Name & Address

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Mark Disaway PE.

Mortgage Lenders Name & Address Columbia County Bank PO Box 1609 Lake City FL 32056

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

Property ID Number 33-3S-16-02438-164 Estimated Cost of Construction 130,000.00

Subdivision Name Emerald Cove Phase I Lot 64 Block Unit Phase 1

Driving Directions Hwy 90 West Emerald Cove turn left 2nd St. Field Stone turn Right 1/2 way down on Right lot 64

Type of Construction Frame + Brick Number of Existing Dwellings on Property 0

Total Acreage 1/2 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 30' Side 44' Side 36' Rear 90'

Total Building Height 16' 3 7/8 Number of Stories 1 Heated Floor Area 1403 sq Ft Roof Pitch 6/12

Porch 169 GARAGE 561 TOTAL 2139

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 CBC058182

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

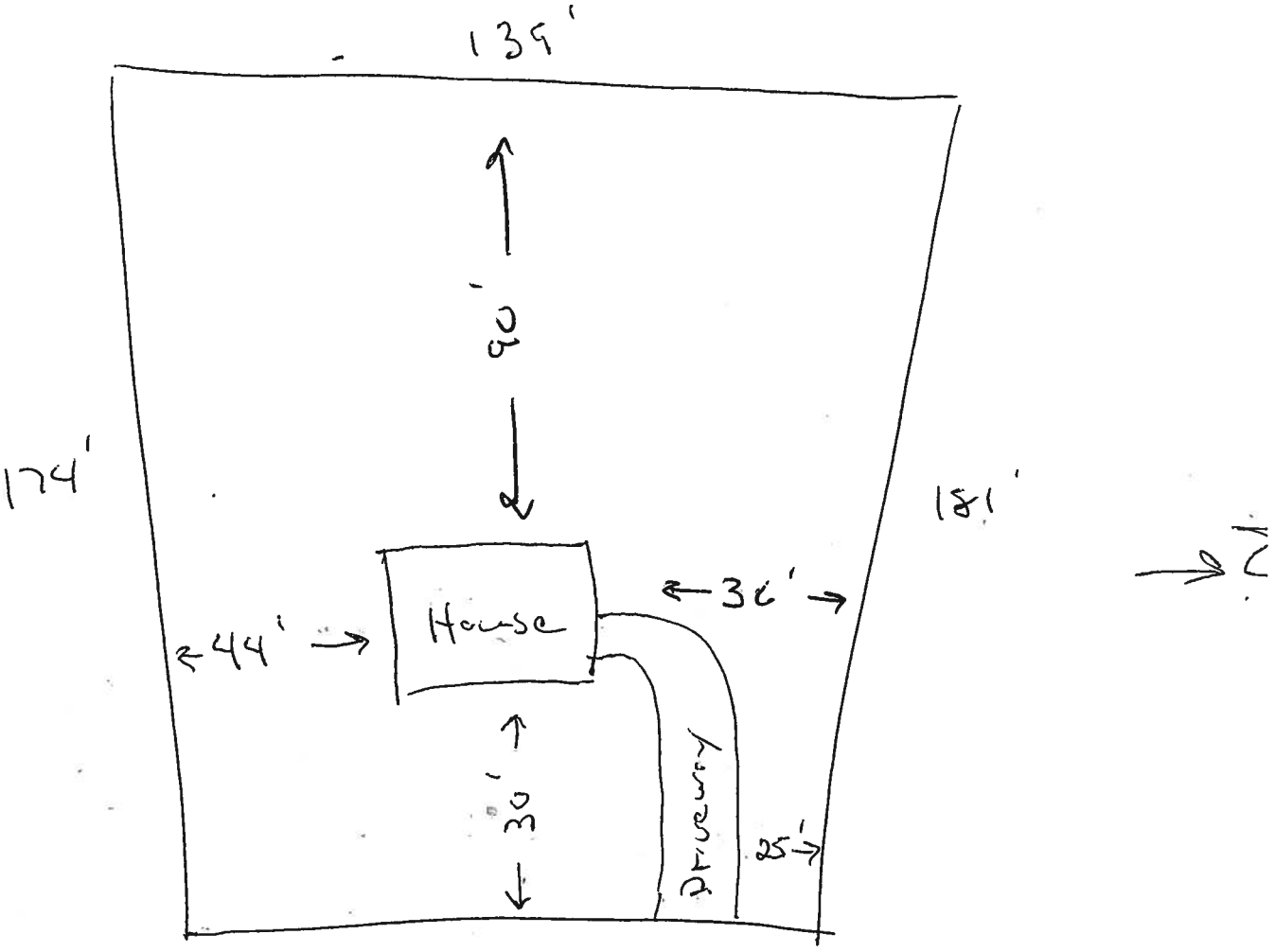
Sworn to (or affirmed) and subscribed before me this 21 day of April 2006.

Personally known ____ or Produced Identification ____

Brenda Terry
My Commission DD293888
Expires February 24, 2008

Notary Signature

Parcel # 35-35-16-02438-16
Lot 64
Emeral Cove S/D



Prepared by and return to:
Guy W. Norris
Attorney at Law
Norris & Foreman, P.A.
P.O. Drawer 2349
253 N.W. Main Blvd.
Lake City, FL 32056-2349
386-752-7240
File Number: **C1128**

Inst:2006008394 Date:04/06/2006 Time:09:24
Doc Stamp-Deed : 385.00
DC,P.DeWitt Cason,Columbia County B:1079 P:2079

Parcel Identification No. **33-3S-16-02438-164**

[Space Above This Line For Recording Data]

Warranty Deed

(STATUTORY FORM - SECTION 689.02, F.S.)

This Indenture made this **31st** day of **March, 2006** between **Woodman Park Builders, Inc., a Florida corporation** whose post office address is **4816 W. U.S. Hwy. 90, Suite 100, Lake City, FL 32055** of the County of **Columbia**, State of **Florida**, grantor*, and **Margaretha A. Daniels, a single person** whose post office address is **152 SW Ocala Way, Lake City, FL 32024** of the County of **Columbia**, State of **Florida**, grantee*,

Witnesseth, that said grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS ($10.00) and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in **Columbia County, Florida**, to-wit:

Lot 64, Emerald Cove, Phase I, a subdivision according to the plat thereof recorded in Plat Book 8, Pages 35-36, public records of Columbia County, Florida.

SUBJECT TO: Ad valorem taxes and special assessments for 2006 and subsequent years; restrictions and easements of record; easements shown by a plat of the property; and visible easements.

and said grantor does hereby fully warrant the title to said land, and will defend the same against lawful claims of all persons whomsoever.

* "Grantor" and "Grantee" are used for singular or plural, as context requires.

In Witness Whereof, grantor has caused these presents to be executed by its duly authorized officer the day and year first above written.

Signed, sealed and delivered in our presence:

Witness Name: Jennifer L Beatrice

Witness Name: Diane A. Crews

Woodman Park Builders, Inc., a Florida corporation

By: _____
William G. Wood, President

(Corporate Seal)

State of Florida
County of Columbia

The foregoing instrument was acknowledged before me this 31st day of March, 2006 by William G. Wood, President of Woodman Park Builders, Inc., a Florida corporation, on behalf of the corporation. He [X] is personally known to me or [_] has produced _____ as identification.

[Notary Seal]

Notary Public

Printed Name: _____

My Commission Expires: _____

DIANE A. CREWS
MY COMMISSION # DD 505603
EXPIRES: February 9, 2010
Bonded Thru Notary Public Underwriters

Prepared by and return to:
GUY W. NORRIS, ATTORNEY AT LAW
NORRIS & FOREMAN, P.A.
P. O. DRAWER 2349
LAKE CITY, FL 32056-2349

Inst:2006008396 Date:04/06/2006 Time:09:24
D.T. DC,P.DeWitt Cason,Columbia County B:1079 P:2088

Permit No. _____ Tax Folio No. 33-3S-16-02438-164

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

1. Description of Property: Lot 64, Emerald Cove, Phase I, a subdivision according to the plat thereof recorded in Plat Book 8, Pages 35-36, Public Records of Columbia County, Florida.
2. General description of Improvement: Construction of Single Family Residence
3. Owner information:
   a. Name and address: Margaretha A. Daniels, 152 SW Ocala Way, Lake City, Florida 32024
   b. Interest in property: Fee Simple.
   c. Name and address of fee simple title holder (if other than owner):_____.
4. Contractor name and address: Woodman Park Builders, Inc., 4816 W. U.S. Hwy. 90, Suite 100, Lake City, Florida 32055.
   a. Phone number: (386) 755-2411.
   b. Fax number:_____ (optional, if service by fax is acceptable).
5. Surety:_____
   a. Name and address:_____
   b. Phone number:_____
   c. Fax number:_____(optional, if service by fax is acceptable).
   d. Amount of bond: $_____.
6. Lender: Columbia County Bank, P. O. Box 1609, Lake City, Florida 32056.
   a. Phone Number: (386)754-8888.
   b. Fax Number:_____ (optional, if service by fax is acceptable).
7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: _____
   a. Phone Number:_____
   b. Fax Number:_____ (optional, if service by fax is acceptable).
8. In addition to herself, Owner designates Guy W. Norris of Norris & Foreman, P.A., P. O. Drawer 2349, Lake City, Florida 32056-2349, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.
   a. Phone Number: (386)752-7240.
   b. Fax Number:_____ (optional, if service by fax is acceptable).
9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified) _____.

Margaretha A. Daniels
MARGARETHA A. DANIELS

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 31st day of March, 2006, by

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 4/21/2006 **DATE ISSUED:** 4/21/2006

ENHANCED 9-1-1 ADDRESS:

220 SW FIELDSTONE CT

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

33-3S-16-02438-164

Remarks:

LOT 64 EMERALD COVE PHASE 1 S/D

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

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COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED

Directions

From Downtown take 90 west to Emerald Cove Sub-Division turn left. Go to 2nd ~~Street~~ turn Rt (Fieldstone) about 1/2 down on Right. hit # 64

MASTER

AMTROL INC.

WEL-FLO®

Pre-pressurized Water System Tanks

- Proven Diaphragm Design
- Tough Gloss Finish
- Sizes from 14 to 119 Gallons
- Outstanding Value

NEW Home Const ONly

Pump and Tank Code
Section 613
Well Pumps and Tanks used for private potable water systems
~~July 1, 2001~~ March 1, 2002

613.1 Pumps. Well pumps used for potable water shall comply with sections 613.1.1 and 613.1.2
613.1.1 Pump Installation. Pumps shall be installed for operation without re-priming or breaking suction. Pumps shall be connected to the well head by means of a union, companion flange or compression coupling in such a manner that it is accessible for maintenance, repair and, removal.
613.1.2 Pump Sizing. Minimum pump size shall be determined by table 613.1.

Table 613.1
Minimum Private Potable Water System Pump Size

	Bathrooms in Home				
	1	1 ½	2-2 ½	3-4	5-6
Minimum Pump Size	7gpm	10gpm	14gpm	17gpm	21gpm

Notes:
1. Values given are average and do not include high and low extremes
2. Installations over 6 bathrooms shall be approved by the code official

613.2 Pressure Tanks. Tanks relying on expansion of a flexible membrane within a restricting container, or tanks with direct water- to- air interface to provide pressure in the water system shall be used. All pressure tanks for storing potable water under pressure, including those having an airspace for pressure for expansion shall be identified by seal, label, or plate indicating the manufacturer's name and model number and shall meet the following specifications:

1. Pressure tank drawdown shall be a minimum of 1 gallon for every gallon produced by the pump (Example: 20 gallon per minute pump will require a draw of 20 gallons usable). Exceptions: Pump start applications, constant pressure devices and variable speed pumps.
2. Pressure tanks must be constructed of steel, fiberglass, or comparable materials. Tanks to be buried shall have a minimum wall thickness of ¼ inch and be built by the manufacture specifically for underground use. Fiberglass or other non-metallic tanks to be buried shall have the structural strength to prevent collapse.

613.3 Piping. Piping associated with well pumps and tanks shall comply with Sections 613.3.1 through 613.3.

613.3.1 Drop Pipe. The Drop pipe from the submersible pump to the first fitting past the well seal shall be either galvanized steel, stainless steel, or PVC Schedule 80 threaded/coupled or lock joint pipe. The drop pipe for a single (pipe) jet pump shall be either galvanized steel, or stainless steel. The drop pipe for a double (pipe) jet shall be galvanized steel, stainless steel on the suction side and/or minimum PVC Schedule 40 on the pressure side.

613.3.2 Pump Discharge pipe sizing. For submersible pumps, pipe size shall be equal to the pump discharge. Piping for all other types of pumps shall be sized in accordance to the manufacturers' specifications.

613.3.3 Pressure Tank Pipe Sizing. Piping size for the offset of the pressure tank shall use the piping friction loss charts for the piping material used.

613.4 Electrical wiring. All wiring shall be installed in accordance with chapter 27 of the Florida Building code and NFPA 70.

613.5 Disinfection. The pump installer shall disinfect any potable well and water system in accordance with Section 610.

613.6 Valves. A pressure relief valve shall be installed on any pumping system that can produce pressures of 75 psi or greater. A check valve shall be installed at the well head of submersible pumps.

* Cycle STOP Valve's ARE CONSTANT PRESS DEVICE

* Countys MAY Add Higher Demands

essurized Diaphragm Well Tanks

CHAMPION, WEL-FLO, PRO-LINE See Net Sheet A

Model / Part No.	List Price ($)	Diameter (ins)	Dimensions Height (ins)	Total Volume (gals)	Max. Accept. Factor	System Drawdown 20/40 (gals)	30/50 (gals)	40/60 (gals)	Shipping Wt. (Vol.) lbs (cu ft)
CH 4202/WF60/CA4202	213.00	15⅜	31⅛	20.0	0.57	8.0	6.8	5.9	33 (4.9)
CH 6000/WF80/CA6000	225.00	15⅜	38¼	26.0	0.44	10.5	8.8	7.6	36.0
CH 8003/WF100/CA8003	364.00	15¾	46½	32.0	0.35	–	10.9	9.4	43 (7.0)
CH 8205/WF110/CA8205	399.00	22	29⅛	34.0	1.00	13.7	11.6	10.0	61 (9.6)
CH 10050/WF140/CA10050	461.00	22	36	44.0	0.77	17.7	15.0	13.0	69 (11.0)
CH 12051/WF200/CA12051	545.00	22	46¼	62.0	0.55	24.9	21.1	18.3	92 (13.9)
CH 17255/WF255/CA17255	585.00	22	56⅛	81.0	0.41	32.6	27.5	23.9	103
CH 17252/WF252/CA17252	663.00	22	62¼	86.0	0.39	34.6	29.2	25.4	114 (18.1)
CH 17002/WF260/CA17002	647.00	26	47¼	86.0	0.54	34.6	29.2	25.4	123 (18.9)
CH 22050/WF360/CA22050	922.00	26	61⅞	119.0	0.39	47.8	40.5	35.1	166 (24.5)

CH4202, CH6000, CH8003, WF60, WF80, WF100, CA 4202, CA6000, & CA8003 have a 1" NPTF system connection and a 28 psig pre-charge.

CH17252, CH22050, WF110, WF360, CA8205, CA22050 have a 1¼" NPTF system connection and a 39

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**ANN DANIELS**	Builder:	**WOODMAN PARK BUILDER**
Address:		Permitting Office:	**COLUMBIA COUNTY**
City, State:	,	Permit Number:	
Owner:	**ANN DANIELS**	Jurisdiction Number:	
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 30.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No		
6. Conditioned floor area (ft²)	1403 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) 104.0 ft²	a. PTHP	Cap: 30.0 kBtu/hr
b. SHGC:			COP: 3.70
(or Clear or Tint DEFAULT)	7b. (Clear) 125.0 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 179.5(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 40.0 gallons
a. Frame, Wood, Exterior	R=13.2, 1469.5 ft²		EF: 0.93
b. Frame, Wood, Adjacent	R=12.9, 320.0 ft²	b. N/A	
c. N/A			
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar	
10. Ceiling types		DHP-Dedicated heat pump)	
a. Under Attic	R=30.0, 1403.0 ft²	15. HVAC credits	
b. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
c. N/A		HF-Whole house fan,	
11. Ducts		PT-Programmable Thermostat,	
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 60.0 ft	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	

Glass/Floor Area: 0.09 Total as-built points: 17880 Total base points: 24368 **PASS**

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

PREPARED BY: Larry Resmondo a/c

DATE: 3-28-06

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

OWNER/AGENT: _____

DATE: _____

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

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

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				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	1403.0	20.04	5060.9	Double, Clear	E	5.5	8.0	14.0	42.06	0.62	364.4	
				Double, Clear	SW	2.0	6.0	10.0	40.16	0.81	324.5	
				Single, Clear	W	9.0	8.0	21.0	43.84	0.50	459.6	
				Double, Clear	E	1.5	6.0	15.0	42.06	0.91	575.9	
				Double, Clear	NW	2.0	6.0	10.0	25.97	0.88	227.6	
				Double, Clear	N	1.5	6.0	30.0	19.20	0.94	540.7	
				Double, Clear	W	1.5	6.0	25.0	38.52	0.91	879.7	
				As-Built Total:				**125.0**			**3372.3**	
WALL TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM	=	Points	
Adjacent	320.0	0.70	224.0	Frame, Wood, Exterior			13.2	1469.5	1.48		2174.9	
Exterior	1469.5	1.70	2498.2	Frame, Wood, Adjacent			12.9	320.0	0.61		193.6	
Base Total:	**1789.5**		**2722.2**	**As-Built Total:**				**1789.5**			**2368.5**	
DOOR TYPES	Area X	BSPM	= Points	Type				Area X	SPM	=	Points	
Adjacent	21.0	2.40	50.4	Exterior Wood				21.0	6.10		128.1	
Exterior	21.0	6.10	128.1	Adjacent Wood				21.0	2.40		50.4	
Base Total:	**42.0**		**178.5**	**As-Built Total:**				**42.0**			**178.5**	
CEILING TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM X SCM	=	Points	
Under Attic	1403.0	1.73	2427.2	Under Attic			30.0	1403.0	1.73 X 1.00		2427.2	
Base Total:	**1403.0**		**2427.2**	**As-Built Total:**				**1403.0**			**2427.2**	
FLOOR TYPES	Area X	BSPM	= Points	Type			R-Value	Area X	SPM	=	Points	
Slab	179.5(p)	-37.0	-6641.5	Slab-On-Grade Edge Insulation			0.0	179.5(p	-41.20		-7395.4	
Raised	0.0	0.00	0.0									
Base Total:			**-6641.5**	**As-Built Total:**				**179.5**			**-7395.4**	
INFILTRATION	Area X	BSPM	= Points					Area X	SPM	=	Points	
	1403.0	10.21	14324.6					1403.0	10.21		14324.6	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 18071.9			**Summer As-Built Points:**					**15275.7**
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 30000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)					
			15276	1.00	(1.09 x 1.147 x 1.00)	0.263	1.000	5014.0
18071.9	**0.4266**	**7709.5**	**15275.7**	**1.00**	**1.250**	**0.263**	**1.000**	**5014.0**

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 1403.0	12.74	3217.4		Double, Clear	E	5.5	8.0	14.0	18.79	1.19	313.2	
				Double, Clear	SW	2.0	6.0	10.0	16.74	1.11	185.9	
				Single, Clear	W	9.0	8.0	21.0	28.84	1.18	715.2	
				Double, Clear	E	1.5	6.0	15.0	18.79	1.04	291.9	
				Double, Clear	NW	2.0	6.0	10.0	24.30	1.01	244.5	
				Double, Clear	N	1.5	6.0	30.0	24.58	1.00	739.1	
				Double, Clear	W	1.5	6.0	25.0	20.73	1.02	530.4	
				As-Built Total:				**125.0**			**3020.2**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	320.0	3.60	1152.0	Frame, Wood, Exterior	13.2	1469.5	3.36	4937.5
Exterior	1469.5	3.70	5437.1	Frame, Wood, Adjacent	12.9	320.0	3.32	1060.8
Base Total:	**1789.5**		**6589.1**	**As-Built Total:**		**1789.5**		**5998.3**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	21.0	11.50	241.5	Exterior Wood	21.0	12.30	258.3
Exterior	21.0	12.30	258.3	Adjacent Wood	21.0	11.50	241.5
Base Total:	**42.0**		**499.8**	**As-Built Total:**	**42.0**		**499.8**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	1403.0	2.05	2876.1	Under Attic	30.0	1403.0	2.05 X	1.00	2876.1
Base Total:	**1403.0**		**2876.1**	**As-Built Total:**		**1403.0**			**2876.1**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	179.5(p)	8.9	1597.5	Slab-On-Grade Edge Insulation	0.0	179.5(p	18.80	3374.6
Raised	0.0	0.00	0.0					
Base Total:			**1597.5**	**As-Built Total:**		**179.5**		**3374.6**

INFILTRATION	Area X	BWPM	= Points	Area X	WPM	= Points
	1403.0	-0.59	-827.8	1403.0	-0.59	-827.8

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**13952.2**	**Winter As-Built Points:**					**14941.3**
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: PTHP 30000 btuh ,EFF(3.7) Ducts:Unc(S),Unc(R),Gar(AH),R6.0					
			14941.3	1.000	(1.069 x 1.169 x 1.00)	0.270	1.000	5046.4
13952.2	**0.6274**	**8753.6**	**14941.3**	**1.00**	**1.250**	**0.270**	**1.000**	**5046.4**

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
3	2635.00	7905.0	40.0	0.93	3	1.00	2606.67	1.00	7820.0
			As-Built Total:						**7820.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
7709	**8754**	**7905**	**24368**	**5014**	**5046**	**7820**	**17880**

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* = 87.9

The higher the score, the more efficient the home.

ANN DANIELS, , , ,

1.	New construction or existing	New		12. Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 30.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 13.00
4.	Number of Bedrooms	3		b. N/A	
5.	Is this a worst case?	No			
6.	Conditioned floor area (ft²)	1403 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) 104.0 ft²		a. PTHP	Cap: 30.0 kBtu/hr
b.	SHGC:				COP: 3.70
	(or Clear or Tint DEFAULT)	7b. (Clear) 125.0 ft²		b. N/A	
8.	Floor types				
a.	Slab-On-Grade Edge Insulation	R=0.0, 179.5(p) ft		c. N/A	
b.	N/A				
c.	N/A			14. Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 40.0 gallons
a.	Frame, Wood, Exterior	R=13.2, 1469.5 ft²			EF: 0.93
b.	Frame, Wood, Adjacent	R=12.9, 320.0 ft²		b. N/A	
c.	N/A				
d.	N/A			c. Conservation credits	
e.	N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
a.	Under Attic	R=30.0, 1403.0 ft²		15. HVAC credits	
b.	N/A			(CF-Ceiling fan, CV-Cross ventilation,	
c.	N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
a.	Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 60.0 ft		MZ-C-Multizone cooling,	
b.	N/A			MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

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

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

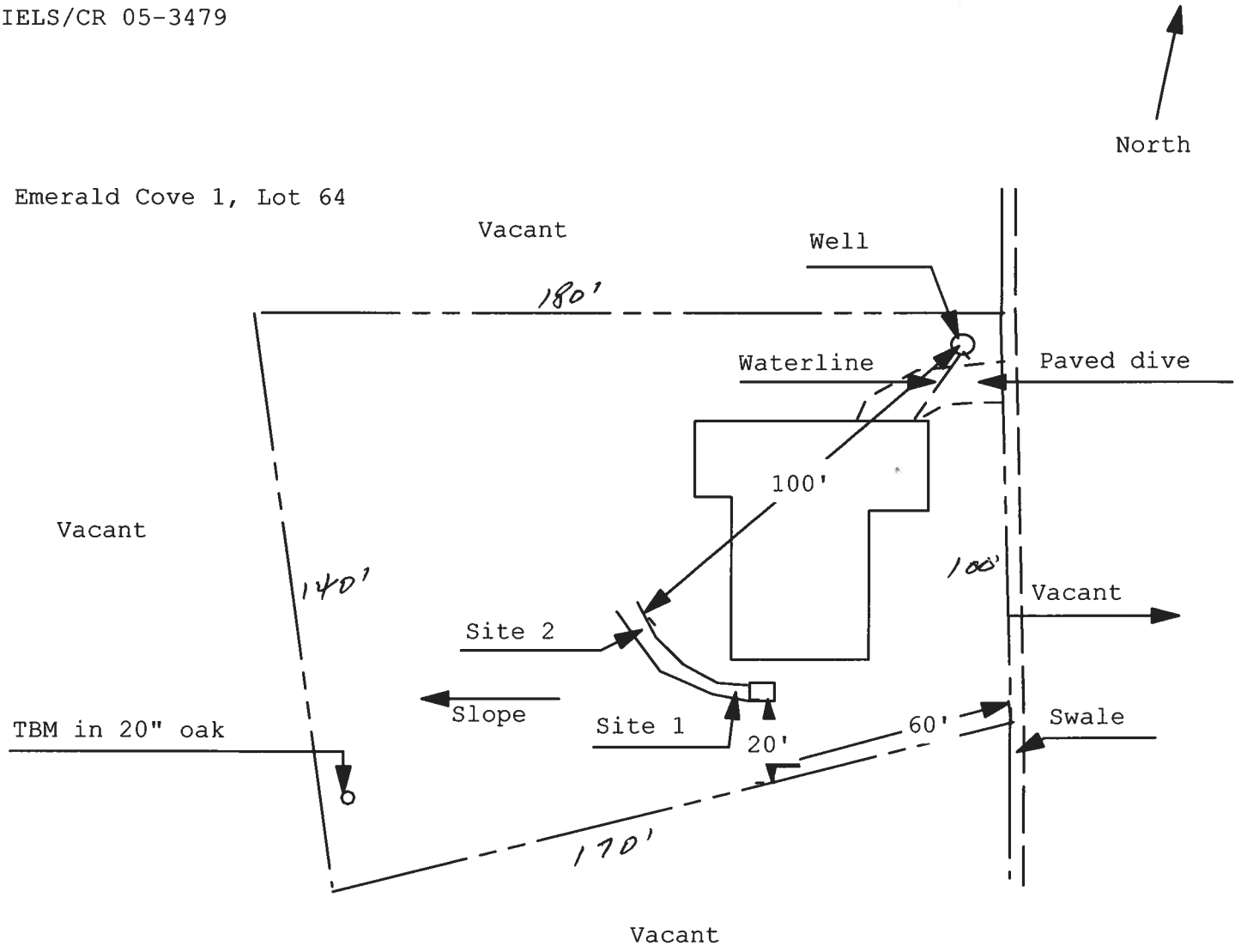
1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

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

Permit Application Number: 06-0408N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

DANIELS/CR 05-3479



1 inch = 40 feet

Site Plan Submitted By Paul Lloyd **Date** 4/18/06

Plan Approved ✓ **Not Approved** ____ **Date** 4/24/06

By [signature] Columbia **CPHU**

Notes: ____

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001068

DATE 05/08/2006 PARCEL ID # 33-3S-16-02438-164

APPLICANT MARK HADDOX PHONE 386.755.2411

ADDRESS POB 3535 LAKE CITY FL 32056

OWNER MARGARETHA A. DANIELS PHONE

ADDRESS 220 SW FIELDSTONE COURT LAKE CITY FL 32024

CONTRACTOR WILLIAM G. WOOD PHONE 386.755.2411

LOCATION OF PROPERTY 90-W TO EMERALD COVE,TL TO FIELDSTONE COURT,TR 1/2 WAY DOWN ON R, LOT 64 PHASE I

SUBDIVISION/LOT/BLOCK/PHASE/UNIT EMERALD COVE 64 1

SIGNATURE

INSTALLATION REQUIREMENTS

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

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

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

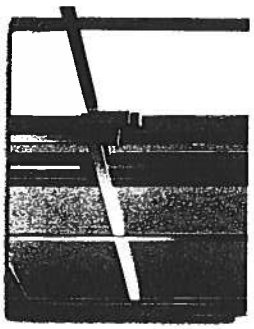
[ ] Department of Transportation Permit installation approved standards.

[ ] Other

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

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

Amount Paid 25.00

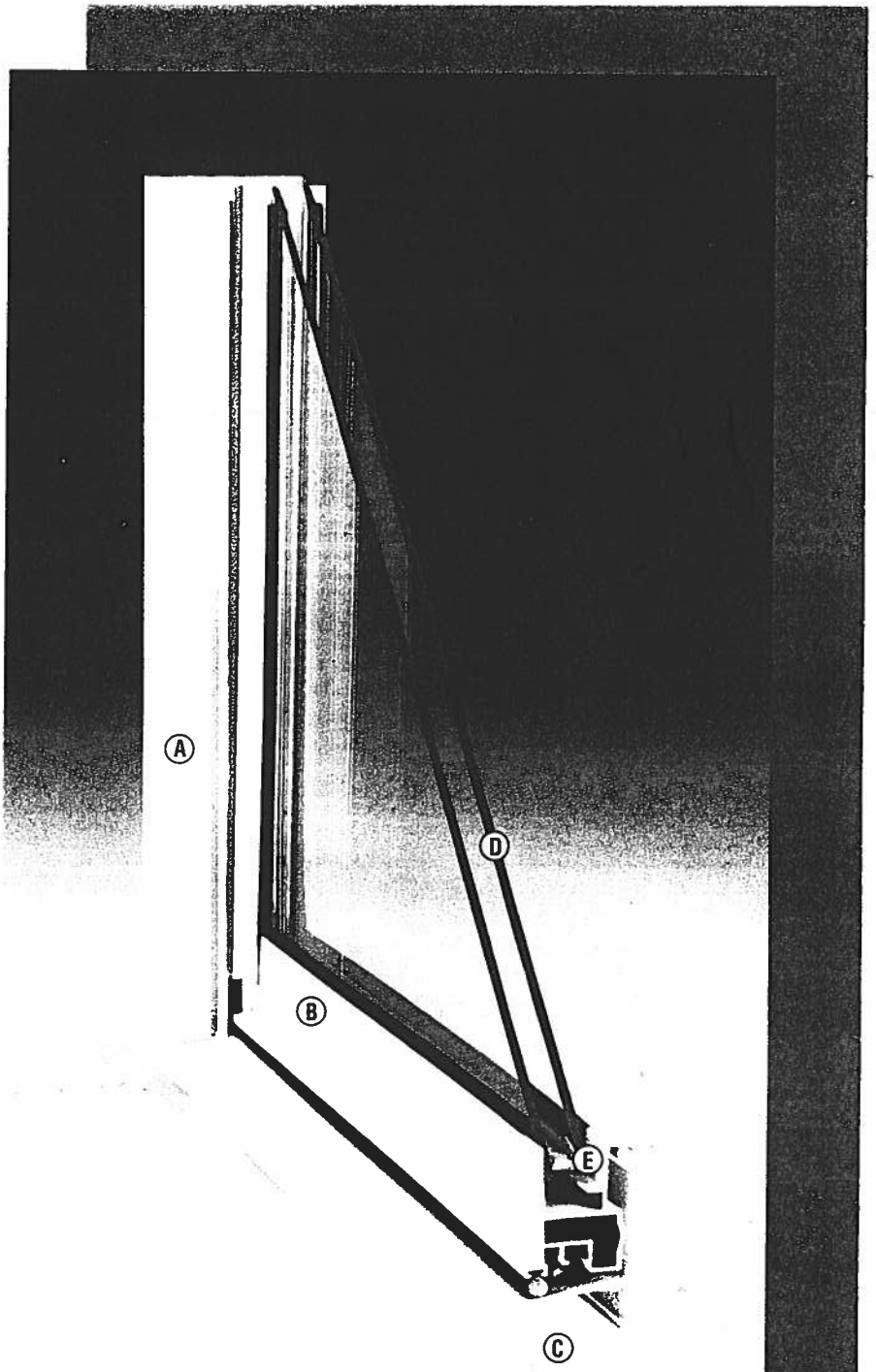


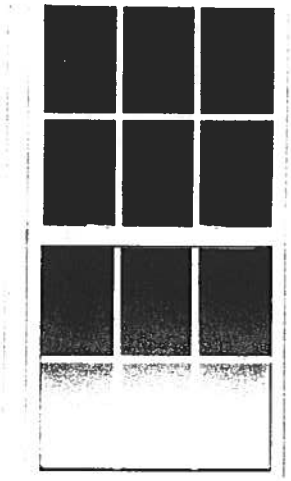
650 SERIES

Non-Thermal Single Hung Aluminum Windows

Ideal for warmer climates, this durable single hung offers plenty of features.

- Aluminum Tilt-Single Hung
- Block & Tackle Balance
- Sweep Lock System at Meeting Rail
- Inside Removable Meeting Rail for Easy Drywall Pass Thru.
- Interlock System at Meeting Rail
- Optional Decorative Grids Between the Glass
- Complete Specialty Window and Mulling Accessories Available
- AAMA Labeled and NFRC Certified





CAPITOL™
WINDOWS AND DOORS

Ⓐ Aluminum Main Frame

Ⓑ Aluminum Sash

Ⓒ 2 3/8" Frame Depth

Ⓓ 5/8" Insulated Glass

Ⓔ Removable Bottom Glass Is Marine Glazed In Sash Frame-
Removable Top Glass Is Drop-In Tape Glazed In Main Frame

650 SERIES

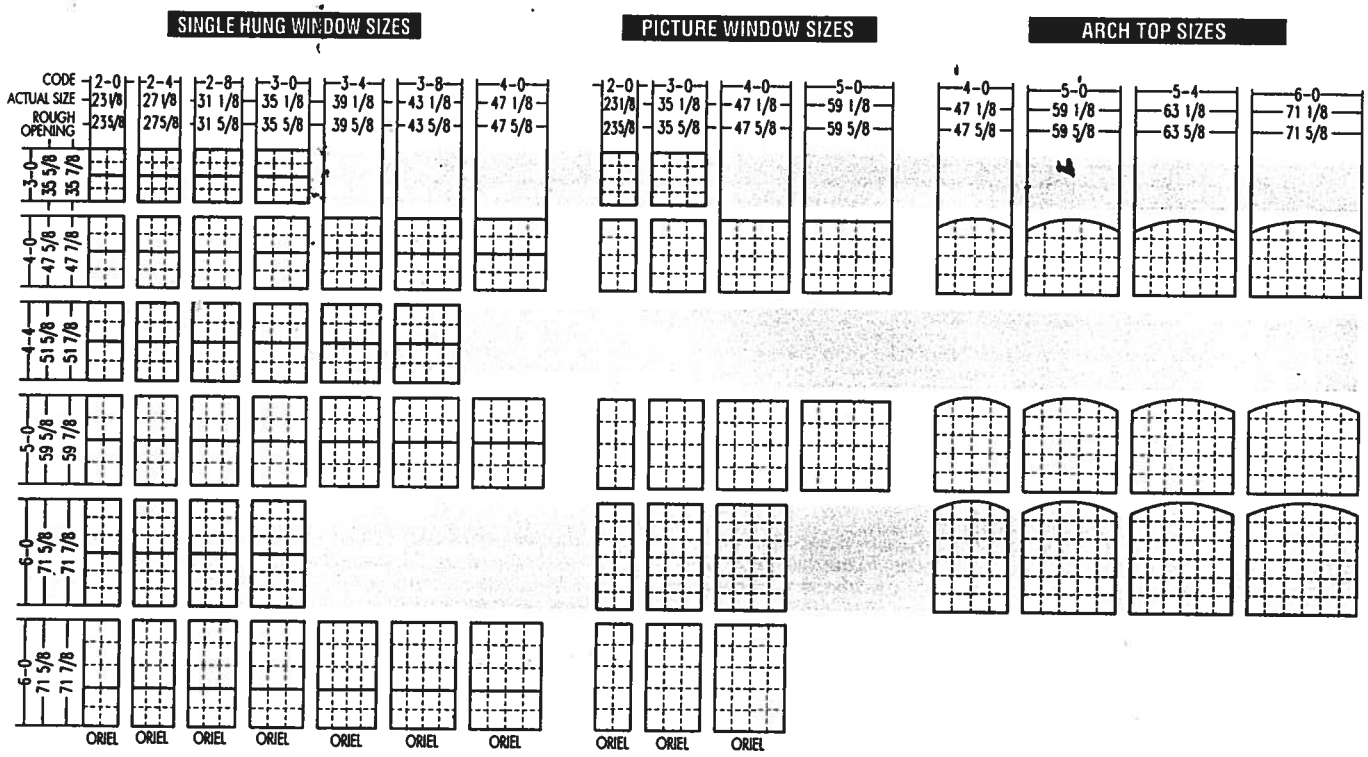
Single Hung Opening Specifications

NOMINAL UNIT SIZE	SASH RAISED SQ. FT. CLEAR OPENING	SASH RAISED CLEAR OPENING WIDTH X HEIGHT (INCH x INCH)	SASH REMOVED SQ. FT. CLEAR OPENING	SASH REMOVED CLEAR OPENING WIDTH X HEIGHT (INCH x INCH)	VENT AREA SQ. FT.	VISIBLE LITE SQ. FT.	SCREEN SIZE WIDTH x HEIGHT	GLASS SIZE WIDTH x HEIGHT
2'0 x 3'0	1.68	18 1/8 x 13 5/16	1.93	18 1/8 x 15 5/16	1.91	3.72	19 1/4 x 17	19 x 16
2'0 x 4'0	2.43	18 1/8 x 19 5/16	2.68	18 1/8 x 21 5/16	2.65	5.21	19 1/4 x 23	19 x 22
2'0 x 4'4	2.68	18 1/8 x 21 5/16	2.93	18 1/8 x 23 5/16	2.90	5.71	19 1/4 x 25	19 x 24
2'0 x 5'0	3.19	18 1/8 x 25 5/16	3.44	18 1/8 x 27 5/16	3.39	6.70	19 1/4 x 29	19 x 28
2'0 x 6'0	3.94	18 1/8 x 31 5/16	4.19	18 1/8 x 33 5/16	4.13	8.19	19 1/4 x 35	19 x 34
2'0 x 6'0 ORIEL	3.19	18 1/8 x 25 5/16	3.44	18 1/8 x 27 5/16	3.39	8.19	19 1/4 x 29	19 x 40 TOP 19 x 28 BOTTOM
2'4 x 3'0	2.05	22 1/8 x 13 5/16	2.35	22 1/8 x 15 5/16	2.34	4.56	23 1/4 x 17	23 x 16
2'4 x 4'0	2.97	22 1/8 x 19 5/16	3.27	22 1/8 x 21 5/16	3.25	6.38	23 1/4 x 23	23 x 22
2'4 x 4'0	3.27	22 1/8 x 21 5/16	3.58	22 1/8 x 23 5/16	3.55	6.99	23 1/4 x 25	23 x 24
2'4 x 5'0	3.89	22 1/8 x 25 5/16	4.20	22 1/8 x 27 5/16	4.15	8.20	23 1/4 x 29	23 x 28
2'4 x 6'0	4.81	22 1/8 x 31 5/16	5.12	22 1/8 x 33 5/16	5.06	10.03	23 1/4 x 35	23 x 34
2'4 x 6'0 ORIEL	3.89	22 1/8 x 25 5/16	4.20	22 1/8 x 27 5/16	4.15	10.03	23 1/4 x 29	23 x 40 TOP 23 x 28 BOTTOM
2'8 x 3'0	2.42	26 1/8 x 13 5/16	2.78	26 1/8 x 15 5/16	2.77	5.39	27 1/4 x 17	27 x 16
2'8 x 4'0	3.50	26 1/8 x 19 5/16	3.87	26 1/8 x 21 5/16	3.84	7.55	27 1/4 x 23	27 x 22
2'8 x 4'4	3.87	26 1/8 x 21 5/16	4.23	26 1/8 x 23 5/16	4.20	8.27	27 1/4 x 25	27 x 24
2'8 x 5'0	4.59	26 1/8 x 25 5/16	4.96	26 1/8 x 27 5/16	4.92	9.70	27 1/4 x 29	27 x 28
2'8 x 6'0	5.68	26 1/8 x 31 5/16	6.04	26 1/8 x 33 5/16	5.99	11.86	27 1/4 x 35	27 x 34
2'8 x 6'0 ORIEL	4.59	26 1/8 x 25 5/16	4.96	26 1/8 x 27 5/16	4.92	11.86	27 1/4 x 29	27 x 40 TOP 27 x 28 BOTTOM
3'0 x 3'0	2.78	30 1/8 x 13 5/16	3.20	30 1/8 x 15 5/16	3.20	6.22	31 1/4 x 17	31 x 16
3'0 x 4'0	4.04	30 1/8 x 19 5/16	4.46	30 1/8 x 21 5/16	4.44	8.71	31 1/4 x 23	31 x 22
3'0 x 4'4	4.46	30 1/8 x 21 5/16	4.88	30 1/8 x 23 5/16	4.86	9.54	31 1/4 x 25	31 x 24
3'0 x 5'0	5.30	30 1/8 x 25 5/16	5.71	30 1/8 x 27 5/16	5.68	11.20	31 1/4 x 29	31 x 28
3'0 x 6'0	6.55	30 1/8 x 31 5/16	6.97	30 1/8 x 33 5/16	6.92	13.69	31 1/4 x 35	31 x 34
3'0 x 6'0 ORIEL	5.30	30 1/8 x 25 5/16	5.71	30 1/8 x 27 5/16	5.68	13.69	31 1/4 x 29	31 x 40 TOP 31 x 28 BOTTOM
3'4 x 4'0	4.58	34 1/8 x 19 5/16	5.05	34 1/8 x 21 5/16	5.04	9.88	35 1/4 x 23	35 x 22
3'4 x 4'4	5.05	34 1/8 x 21 5/16	5.52	34 1/8 x 23 5/16	5.51	10.82	35 1/4 x 25	35 x 24
3'4 x 5'0	6.00	34 1/8 x 25 5/16	6.47	34 1/8 x 27 5/16	6.45	12.70	35 1/4 x 29	35 x 28
3'4 x 6'0 ORIEL	6.00	34 1/8 x 25 5/16	6.47	34 1/8 x 27 5/16	6.45	15.53	35 1/4 x 29	35 x 40 TOP 35 x 28 BOTTOM
3'8 x 4'0	5.11	38 1/8 x 19 5/16	5.64	38 1/8 x 21 5/16	5.64	11.05	39 1/4 x 23	39 x 22
3'8 x 4'4	5.64	38 1/8 x 21 5/16	6.17	38 1/8 x 23 5/16	6.16	12.10	39 1/4 x 25	39 x 24
3'8 x 5'0	6.70	38 1/8 x 25 5/16	7.23	38 1/8 x 27 5/16	7.21	14.20	39 1/4 x 29	39 x 28
3'8 x 6'0 ORIEL	6.70	38 1/8 x 25 5/16	7.23	38 1/8 x 27 5/16	7.21	17.36	39 1/4 x 29	39 x 40 TOP 39 x 28 BOTTOM
4'0 x 4'0	5.65	42 1/8 x 19 5/16	6.23	42 1/8 x 21 5/16	6.23	12.21	43 1/4 x 23	43 x 22
4'0 x 5'0	7.40	42 1/8 x 25 5/16	7.99	42 1/8 x 27 5/16	7.97	15.70	43 1/4 x 29	43 x 28
4'0 x 6'0 ORIEL	7.40	42 1/8 x 25 5/16	7.99	42 1/8 x 27 5/16	7.97	15.70	43 1/4 x 29	43 x 40 TOP 43 x 28 BOTTOM

CAPITOL™
WINDOWS AND DOORS

650 SERIES

Non-Thermal Aluminum Single Hung & Specialty - Standard Window Unit Sizes Available



QUALITY CONTROL & TESTING

AAMA CERTIFICATION PROGRAM

ACCREDITED BY: AMERICAN NATIONAL STANDARDS INSTITUTE

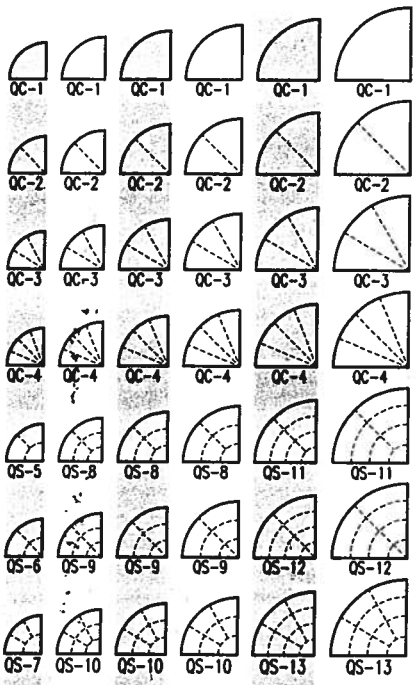
MEMBER **Validator:** ALI®

CODE: MTL-4

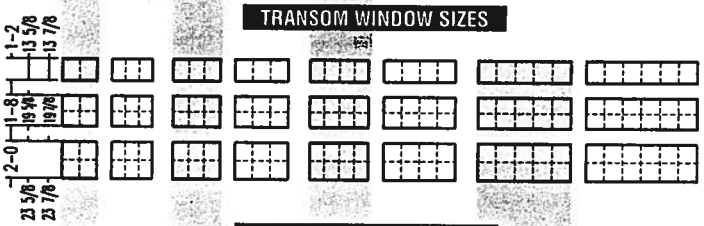
National Fenestration Rating Council CERTIFIED

Some products may require special glazing options to meet certain Energy Star criteria. Contact your sales representative for more information.

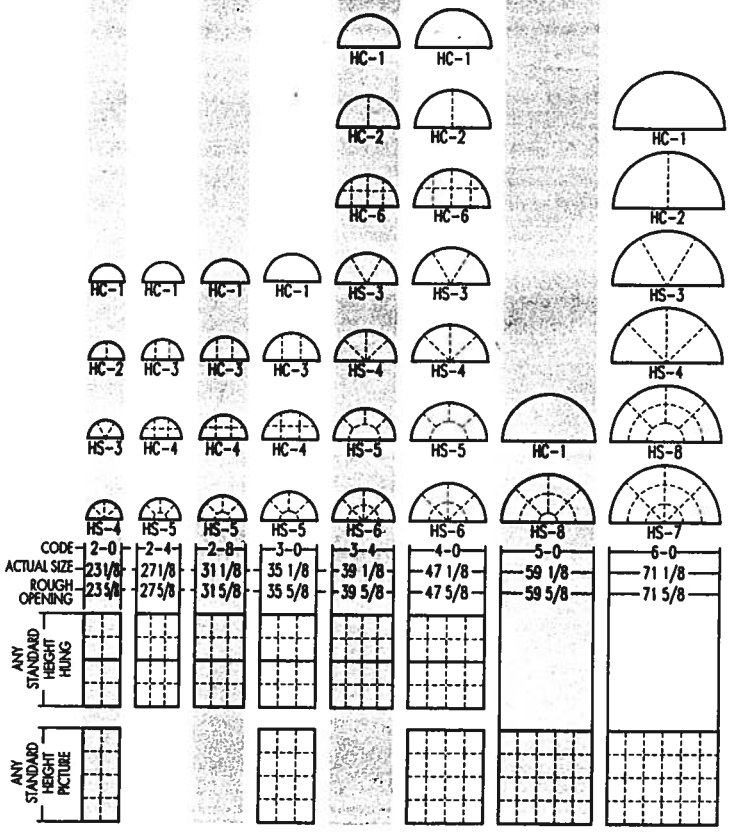
QUARTER CIRCLE WINDOW SIZES



TRANSOM WINDOW SIZES

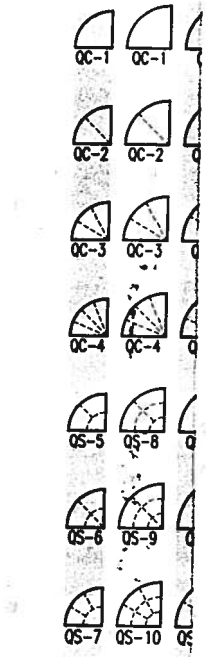


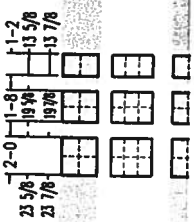
CIRCLE TOP WINDOW SIZES

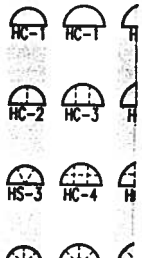


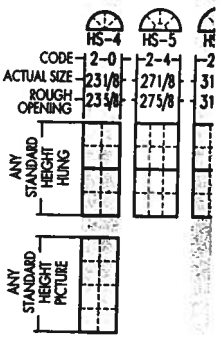
NOTE: Actual height of circle top = Actual width divided by 2 + 9/16"
Rough Opening height of circle top = Actual Height (calculated above) + 1/2"

QUART







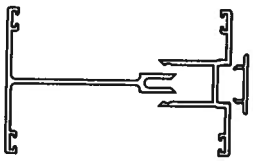


NOTE: Actua
Roug

650 SERIES

Non-Thermal Single Hung Aluminum Windows

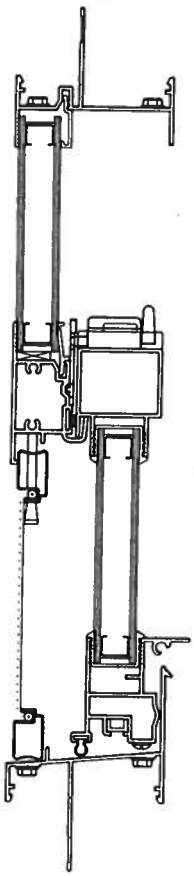
MULLIONS AVAILABLE



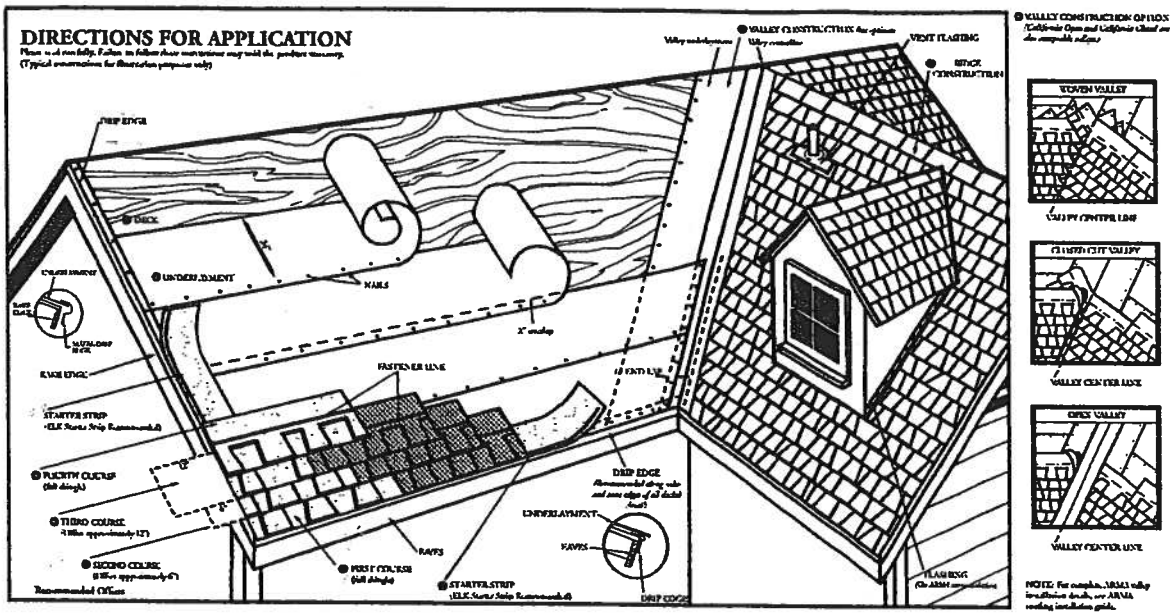
CM–45028
CM–45029 3-PIECE
CM–45030
11/16" ADD ON

CM–65024 H–MULL
1/8" ADD ON

VERTICAL DETAIL



HORIZONTAL DETAIL



DIRECTIONS FOR APPLICATION

These application instructions are the minimum required to meet Elk's application requirements. Your failure to follow these instructions may void the product warranty. In some areas, the building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements that are less than those printed here. Shingles should not be jammed tightly together. All attics should be properly ventilated. Note: It is not necessary to remove tape on back of shingle.

❶ DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 6" boards or exterior grade plywood minimum 3/8" thick and conform to the specifications of the American Plywood Association or 7/16" oriented strandboard, or 7/16" chipboard.

❷ UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt). Elk Versashield® or self adhering underlayment is also acceptable. Cover drip edge at eaves only.

For low slope(2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 19". Begin by fastening a 19" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

EAVE FLASHING FOR ICE DAMS (ASK A ROOFING CONTRACTOR, REFER TO ARMA MANUAL OR CHECK LOCAL CODES)

For standard slope (4/12 to less than 21/12), use coated roll roofing of no less than 50 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

For low slope (2/12 up to 4/12), use a continuous layer of asphalt plastic cement between the two plies of underlayment from the eave edge up roof to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

Consult the Elk Technical Services Department for application specifications over other decks and other slopes.

❸ STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR THE HEADLAP OF A STRIP SHINGLE WITH THE ADHESIVE STRIP POSITIONED AT THE EAVE EDGE. With at least 3" trimmed from the end of the first shingle, start at the rake edge overhanging the eave and rake edges 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side.

❹ FIRST COURSE

Start at rake and continue course with full shingles laid flush with the starter course. Shingles may be applied with a course alignment of 45° on the roof

❺ SECOND COURSE

Offset the second course of shingles with respect to the first by approximately 6". Other offsets are approved if greater than 4".

❻ THIRD COURSE

Offset the next course by 6" with respect to the second course, or consistent with the original offset.

❼ FOURTH COURSE

Start at the rake and continue with full shingles across roof.

FIFTH AND SUCCEEDING COURSES.

Repeat application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof. Offsets may be adjusted around valleys and penetrations.

❽ VALLEY CONSTRUCTION

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures. For metal valleys, use 36" wide vertical underlayment prior to applying metal flashing (secure edge with nails). No nails are to be within 8" of valley center.

❾ RIDGE CONSTRUCTION

For ridge construction Elk recommends Class "A" Z®Ridge or Seal-A-Ridge® with formula *FLX*™ or RidgeCrest® with *FLX* (See ridge package for installation instructions). Vented RidgeCrest or 3-tab shingles are also approved.

FASTENERS

While nailing is the preferred method for Elk shingles, Elk will accept fastening methods according to the following instructions.

Using the fastener line as a reference, nail or staple the shingle in the double thickness common bond area. For shingles without a fastener line, nails or staples must be placed between and/or in the sealant dots.

NAILS: Corrosive resistant, 3/8" head, minimum 12-gauge roofing nails. Elk recommends 1-1/4" for new roofs and 1-1/2" for roof-overs. In cases where you are applying shingles to a roof that has an exposed overhang, for new roofs only, 3/4" ring shank nails are allowed to be used from the eave's edge to a point up the roof that is past the outside wall line. 1" ring shank nails allowed for re-roof.

STAPLES: Corrosive resistant, 16-gauge minimum, crown width minimum of 15/16". Note: An improperly adjusted staple gun can result in raised staples that can cause a fish-mouthed appearance and can prevent sealing.

Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less. This product meets the requirements of the IRC 2003 code when fastened with 4 nails.

MANSARD APPLICATIONS

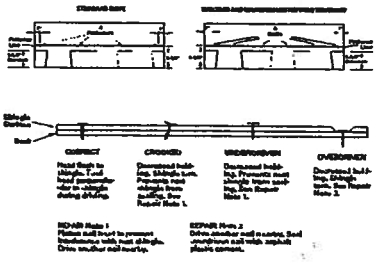
Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only fastening methods according to the above instructions are acceptable.

LIMITED WIND WARRANTY

- For a Limited Wind Warranty, all Prestique and Raised Profile™ shingles must be applied with 4 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.
- For a Limited Wind Warranty up to 110 MPH for Prestique Gallery Collection or Prestique Plus or 90 MPH for Prestique I, shingles must be applied with 6 properly placed NAILS per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY. Also, Elk Starter Strip shingles must be applied at the eaves and rake edges to qualify Prestique Plus, Prestique Gallery Collection and Prestique I shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Shingles or the Elk Starter Strip overhang the eaves or rake edge more than 3/4 of an inch.

HELP STOP BLOW-OFFS AND CALL-BACKS

A minimum of four fasteners must be driven into the DOUBLE THICKNESS (laminated) area of the shingle. Nails or staples must be placed along – and through – the "fastener line" or on products without fastener lines, nail or staple between and in line with sealant dots. CAUTION: Do not use fastener line for shingle alignment.



Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified.
All Prestique and Raised Profile shingles have a U.L.® Wind Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new construction.

CAUTION TO WHOLESALER: Careless and improper storage or handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

ELK
The Premium Choice®
www.elkcorp.com

00RS

MIAMI-DADE

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2555

CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Premdor Entry Systems
One Premdor Drive
Dickson ,TN 37055

Your application for Notice of Acceptance (NOA) of:
Entergy SE Double Door w/sidelite-Inswing -Opaque-8'0" In a Wood Frame
under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-1031.06
EXPIRES: 11/05/2006

Raul Rodriguez
Chief, Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 12/11/2001

Premdor Entry Systems

ACCEPTANCE No.: 01-1031.06

APPROVED: December 11, 2001

EXPIRES: November 5, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This renews Notice of Acceptance (NOA) No. 00-0720.10, which was issued on November 09, 2000. It renews the approval of a residential insulated steel door, as described in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The Series **"Entergy" Inswing Opaque Double Residential Insulated Steel Doors(Metal Edge) with Sidelites 8' 0" High - Impact Resistant Door Slab Only** and its components shall be constructed in strict compliance with the following document: Drawing No 31-1034-EM-I, Sheets 1 through 6 of 6, titled "Premdor (Entergy Metal Edge) Double Door w/ Sidelites in Wood Frame w/ Bumper Threshold – 8' 0" Height (Inswing)," prepared by manufacturer, dated 6/15/98 and revised on 7/27/01, bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications of pair of doors and single door with sidelites, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.

3.2 Unit shall be installed only at locations protected by a canopy or overhang such that the angle between the edge of canopy or overhang to sill is less than 45 degrees. Unless unit is installed in non-habitable areas where the unit and the area are designed to accept water infiltration.

4. INSTALLATION

4.1 The residential insulated steel door and its components shall be installed in strict compliance with the approved drawings.

4.2 Hurricane protection system (shutters):
Door Slab: The installation of this unit <u>will not require</u> a hurricane protective system.
Sidelites: The installation of these units <u>will require</u> a hurricane protective system.

5. LABELING

5.1 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".

6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

Raul Rodriguez, Chief
Product Control Division

Premdor Entry Systems

ACCEPTANCE No.: 01-1031.06

APPROVED: December 11, 2001

EXPIRES: November 5, 2006

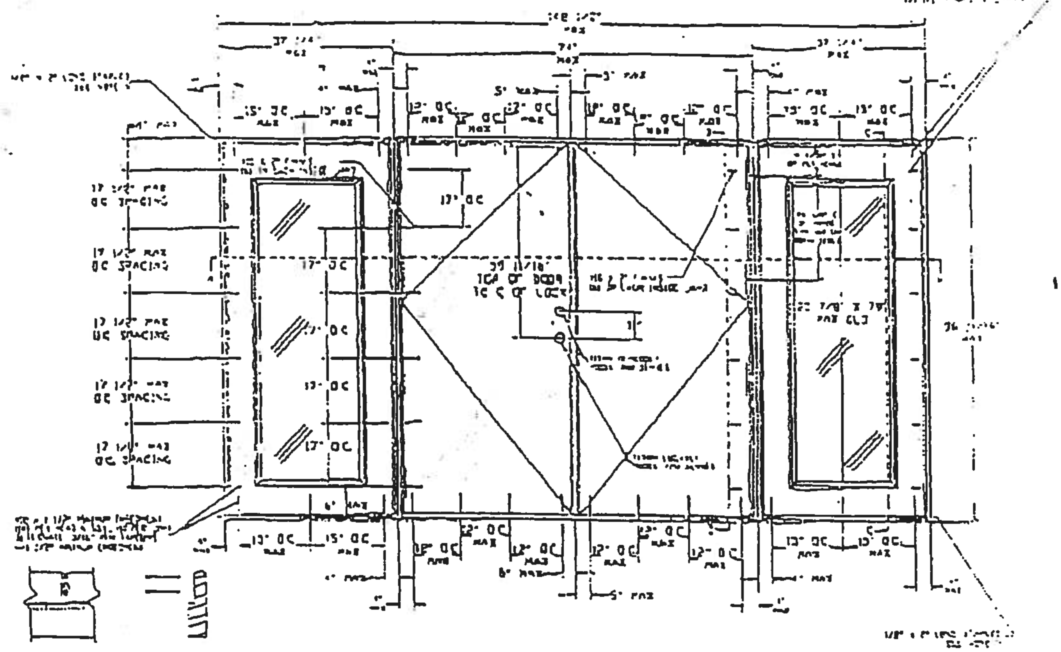
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
   a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
   b) The product is no longer the same product (identical) as the one originally approved;
   c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
   d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
   a) Unsatisfactory performance of this product or process.
   b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

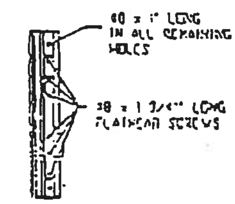
END OF THIS ACCEPTANCE

Raul Rodriguez, Chief
Product Control Division

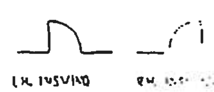
PREMDOR (ENTERGY METAL EDGED) DOUBLE DOOR WITH SIDELITES IN WOOD FRAMES WITH BUMPER THRESHOLD-8'0" HEIGHT (INSWING)



ATTACH ASTRAGAL THROW BOLT STRIKE PLATE TO THE HEADER AND THRESHOLD WITH #10 x 2" FLATHEAD SCREWS



ASTRAGAL



NOTES.

1) WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

2) THE PRECEDING DRAWINGS ARE INTENDED TO QUALIFY THE FOLLOWING INSTALLATIONS.

A. WOOD FRAME CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY WOOD OPENING

B. MASONRY OR CONCRETE CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY STRUCTURAL WOOD BUCK

C. MASONRY OR CONCRETE CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED DIRECTLY TO CONCRETE OR MASONRY WITH OR WITHOUT A NON-STRUCTURAL 1X4 BY WOOD BUCK.

3. ALL ANCHORING SCREWS TO BE #10 WITH MINIMUM 1 1/2" EMBEDMENT INTO WOOD SUBSTRATE OR 3/16" PFH TAPCONS WITH 1 1/2" MINIMUM EMBEDMENT INTO MASONRY

4. GLAZED UNIT MUST BE INSTALLED WITH "MIAMI-DADE COUNTY APPROVED" SHUTTERS

5. THREE STAPLES PER SIDE JAMB INTO HEADER ON SIDELITES AND DOOR, THREE STAPLES PER JAMB INTO THRESHOLD ON SIDELITES AND DOOR

6. LATEX SEALANT TO BE APPLIED AT SIDE BY SIDE JAMBS AND SIDELITES

7. DOOR/SIDELITE HEADER, DOOR/SIDELITE JAMBS, AND SIDELITE BASE CORNERS ARE COPED AND BUTTED

8. DOORS SHALL BE PRE-PAINTED WITH AN ACRYLIC LATEX WATER-BASED/ WATER-REDUCIBLE WHITE PRIMER WITH A DRY FILM THICKNESS OF .08 TO 1.2 MIL.

9. FRAMES SHALL BE PRE-PAINTED WITH A WATER-BASED EPOXY PRIMER WITH A DRY FILM THICKNESS OF .08 TO 1.2 MIL.

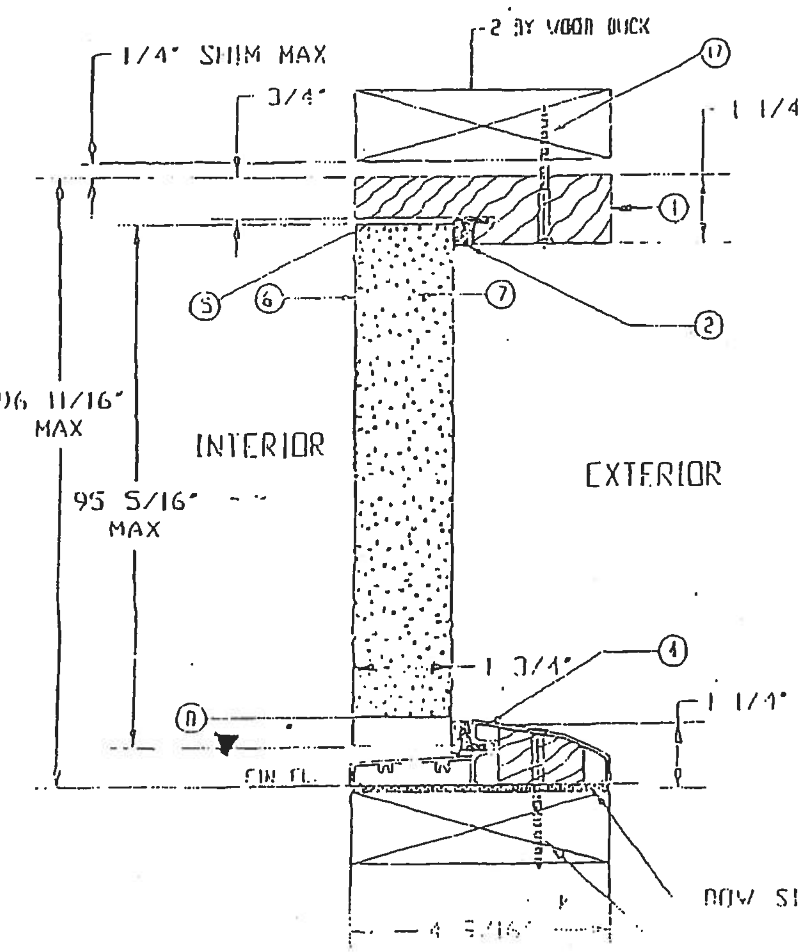
DESIGN PRESSURE RATINGS		
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED *	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
Positive	NOT APPROVED *	+40.0 psf
Negative	NOT APPROVED *	-40.0 psf

* UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG SUCH THAT THE ANGLE BETWEEN THE EDGE OF CANOPY OR OVERHANG TO SILL IS LESS THAN 45 DEGREES UNLESS UNIT IS INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT AND THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION.

PRODUCT RENEWED
ACCEPTANCE No. 01-1031.06
EXPIRATION DATE November 5, 200[illegible]
BY [signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

ENGINEER	
PREMDOR ENTRY SYSTEMS	01-1034-EM-1 SHEET 1 OF 6
	C

SECTION A-A
INSWING
OTHER CONFIGURATIONS
EXTERIOR
GLAZING DETAIL
PRODUCT RENEWED



SECTION B-B

MATERIALS LIST

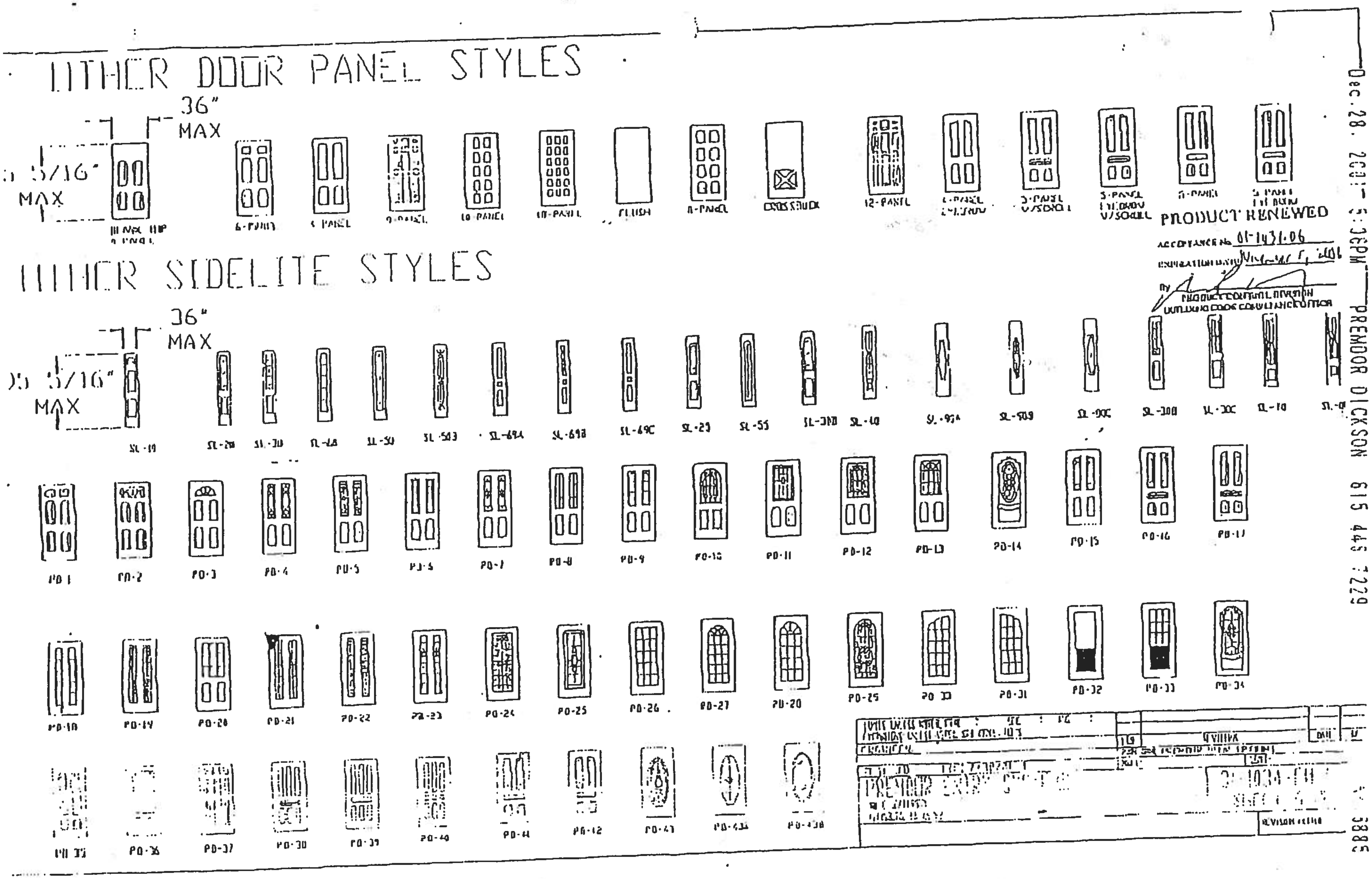
ITEM NO.	DESCRIPTION	PART NUMBER	COMMENTS
1	WOOD HEAD JAMB	EX-14	1 1/4" X 4 9/16" MIN. TO BE PINE OR EQUIVALENT
2	COMPRESSION WEATHERSTRIP	EX-25	LOCKSCREEN BRAND LUXSEAL 9550 (NORMAL)
3	ALUMINUM ASTRAGAL	EX-12	PREMDOR BRAND OR EQUIVALENT - 3/16" ALUMINUM ASSY
4	ALUMINUM-BUMPER THRESHOLD	EX-15	PREMDOR BRAND OR EQUIVALENT - 1 1/4" x 4 9/16"
5	TOP CHANNEL	EX-08	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
6	STEEL SKIN	[illegible]	[illegible]
7	POLYURETHANE FOAM CORE	BASF FOAM - DENSITY 2.0 TO 2.5 lbs/ft³	
8	BOTTOM CHANNEL	EX-07	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
9	WOOD LOCK BLOCK	EX-55	4" X 9 1/2" MIN. TO BE PINE OR EQUIVALENT
10	STRIKE STILE	EX-65	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
11	HINGE STILE	EX-65	PREMDOR BRAND - 1 11/16" - 20 GA STEEL
12	LOCK PREP FILLER PLATE	EX-13	PREMDOR BRAND - .050" THICK - [illegible]
13	4"x4" HINGE	EX-35	HAGER BRAND HINGE OR EQUIVALENT .097 THICK (STEEL)
14	WOOD HINGE JAMB	EX-11	1 1/4" X 4 9/16" MIN. TO BE PINE OR EQUIVALENT
15	#10-24 x 1/2" F.H.M.S.		(4) SCREWS PER HINGE INTO DOOR
16	#10 X 2" F.H.W.S.		[illegible] 11" OC. [illegible]; [illegible] SCREWS THROUGH EACH SIDELITE JAMB INTO SIDELITE, 4" [illegible] TOP, MAX 11" OC. THEREAFTER
17	[illegible]		REFER TO ELEVATION VIEW, FOR # OF SCREWS EACH AND LOCATION
18	#10 X 3/4" F.H.W.S.		(2) SCREWS PER HINGE INTO JAMB
19	#8 x 2" F.H.W.S.		(2) SCREWS AT EACH STRIKE PLATE
20	LOCKSET		TITAN LOCK 720 SERIES, TITAN DEADBOLT 700 SERIES
21	#10 X 1 3/4" F.H.W.S.		(2) SCREWS PER HINGE INTO JAMB
22	WOOD SIDELITE JAMB	EX-10	1 1/4" X 4 9/16" MIN. TO BE PINE OR EQUIVALENT
23	22" X 80" SINGLE PANEL GLASS	EX-19	[illegible] GLASS IN POLYPROPYLENE FRAME - [illegible] 1/8" CLEAR TEMPERED GLASS
24	SIDELITE TRIM (WOOD)	EX-20	5/16 x 1/2" MIN. TO BE PINE OR EQUIVALENT
25	WOOD CASING	EX-21	[illegible]
26	WOOD SIDELITE HEAD JAMB	EX-22	1 1/4" X 4 9/16" MIN. TO BE PINE OR EQUIVALENT
27	WOOD SIDELITE BASE	EX-23	1 1/4" X 4 9/16" MIN. TO BE PINE OR EQUIVALENT
28	POLYPROPYLENE LITE FRAME	[illegible]	HP Polypropylene by ODL
29	#6 X 1 1/2" PAN HEAD SCREWS		10 PER FRAME [illegible]
30	SIDELITE STILES	EX-26	15/16" X 1 11/16" MIN. TO BE PINE OR EQUIVALENT
31	PIN NAIL		[illegible]

D	DADE COUNTY MODIFICATIONS	[illegible]	[illegible]
C	ADDED TEST RESULTS	[illegible]	NS
B	[illegible]	[illegible]	NS
A	REDRAWN	[illegible]	NS

PRODUCT RENEWED
[illegible] 06
EXPIRATION DATE [illegible]
By [illegible]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

PREMDOR ENTRY SYSTEMS
911 E. JEFFERSON
PITTSBURG, KS [illegible]

31-1034-EM1
SHEET 3 OF 6


OTHER DOOR PANEL STYLES
36" MAX
5/16" MAX
6-PANEL
4 PANEL
9-PANEL
10-PANEL
15-PANEL
FLUSH
8-PANEL
CROSSBUCK
12-PANEL
5-PANEL
PRODUCT RENEWED
ACCEPTANCE No. 01-1431.06
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
OTHER SIDELITE STYLES
36" MAX
5/16" MAX
SL-19
SL-28
SL-30
SL-48
SL-50
SL-503
SL-69A
SL-69B
SL-69C
SL-23
SL-55
SL-30D
SL-40
SL-97A
SL-509
SL-90C
SL-30B
SL-30C
SL-70
PD-1
PD-2
PD-3
PD-4
PD-5
PD-7
PD-8
PD-9
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PD-11
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PD-33
PD-34
PD-36
PD-37
PD-39
PD-40
PD-41
PD-42
PREMDOOR

MASTER SKYLIGHT

NATIONAL CERTIFIED TESTING LABORATORIES

1484 GEMINI BOULEVARD • ORLANDO, FLORIDA 32837
PHONE (407) 240-1356 • FAX (407) 240-8882

ATTN: ED. Intecity Inds.

STRUCTURAL PERFORMANCE TEST REPORT

Report No: NCTL-210-2732-1
Test Date: 11/12/01
Report Date: 11/12/01
Expiration Date: 11/12/05

Client: Sun-Tek Manufacturing, Inc.
10303 General Drive
Orlando, FL 32824

Test Specimen: Sun Tek Manufacturing s Model "SFA" Fixed Aluminum Polycarbonate Dome Skylight. (SKP-R +37, -74)

Test Specification: AAMA 1600-00 "Voluntary Specifications for Skylights." AAMA 1605.1-87, "Uniform Load Test Procedure for Plastic Glazed Skylights by Uniform Static Air Pressure Difference."

TEST SPECIMEN DESCRIPTION

General: The test specimen was a fixed aluminum skylight with polycarbonate double dome measuring 54-3/8" wide by 54-3/8" high overall. The skylight was sandwiched glazed using butyl glazing tape bedding with a silicone sealant between the inner polycarbonate dome, all compressed with an extruded aluminum retainer screwed to the exterior perimter using twelve (12) (#8 x 3/4" self-taping) screws. The main frame self-flashing with curb mesured 3-1/4" high. The outer polycarbonate dome measured 0.080" thick and the inner polycarbonate flat liner sheet measured 0:060" thick. The main frame was of welded mitered corner construction. The specimen was self-flashing mounted using twelve (12) 1-1/4" spiral ring shanked nails. (see fastener diagram) to a mock-up roof section employing a 46-1/2" x 46-1/2" opening. The roof section was built to 3:12 pitch slope.

Glazing: The skylight was sandwich glazed using Sun-Tek Skylight's STS 1000 Skylight sealant silicone bedding between the inner polycarbonate flat liner sheet and the outer polycarbonate dome. The outer polycarbonate dome measured 0.080" thick. The inner flat liner measured 0.060" thick.

Weatherseals: No weatherstrip employed.

Weeps: N/A

Interior & Exterior Surface Finish: Mill-finish.

TEST RESULTS

AAMA 1600.86 Paragraph No.	Title of Test	Measured	Allowed
8.2	Air Infiltration - ASTM E283 1.57 psf (15 mph)	0.01 cfm/ft²	0.30 cfm/ft²
8.3	Water Resistance - ASTM E547 5.0 gph/ft² WTP= 12.00 psf	No Leakage	No Leakage

AAMA 1605.1-87 Paragraph No.	Title of Test & Method	Measured	Allowed
4.4.2	Uniform Load Structural		
	Positive load		
	111.0 psf (Deflection)		
	Location:		
	A	Dome inverted no permanent damage	
	B	Dome inverted no permanent damage	
	C	Dome inverted no permanent damage	
	D	Dome inverted no permanent damage	
	E	Dome inverted no permanent damage	
	111.0 psf (Permanent Set)		
	Location:		
	A	0.00"	0.217"
	B	0.00"	0.217"
	C	0.00"	0.217"
	D	0.02"	0.217"
	E	0.01"	0.217"
	Negative Load		
	111.0 psf (Deflection)		
	Location:		
	A		0.258"
	B		0.258"
	C		0.258"
	D		0.258"
	E		0.258"
	111.0 psf (Permanent Set)		
	Location:		
	A	0.02"	0.217"
	B	0.01"	0.217"
	C	0.01"	0.217"
	D	0.02"	0.217"
	E	0.01"	0.217"
	F	0.01"	0.217
	G	0.00"	0.217

1/17/03

TEST COMPLETED 11/12/01

The test specimen model "SFS" with a double and triple dome meets the performance levels specified in AAMA 1600-00 specification (rating SKP-R+37,-74) Models "SFAF", "SFAW" and "SFAFW" with double and triple dome qualifies with rating of SKP-R+37,-74)

Detailed drawings were available for laboratory records and comparison to the test specimen at the time of this report. A copy of this report along with representative sections of the test specimen will be retained by NCTL for a period of four (4) years. The results obtained apply only to the specimen tested. No conclusions of any kind regarding the adequacy or inadequacy of the polycarbonate in the test specimen may be drawn from this test. This report does not constitute certification of the product which may only be granted by a certification program validator.

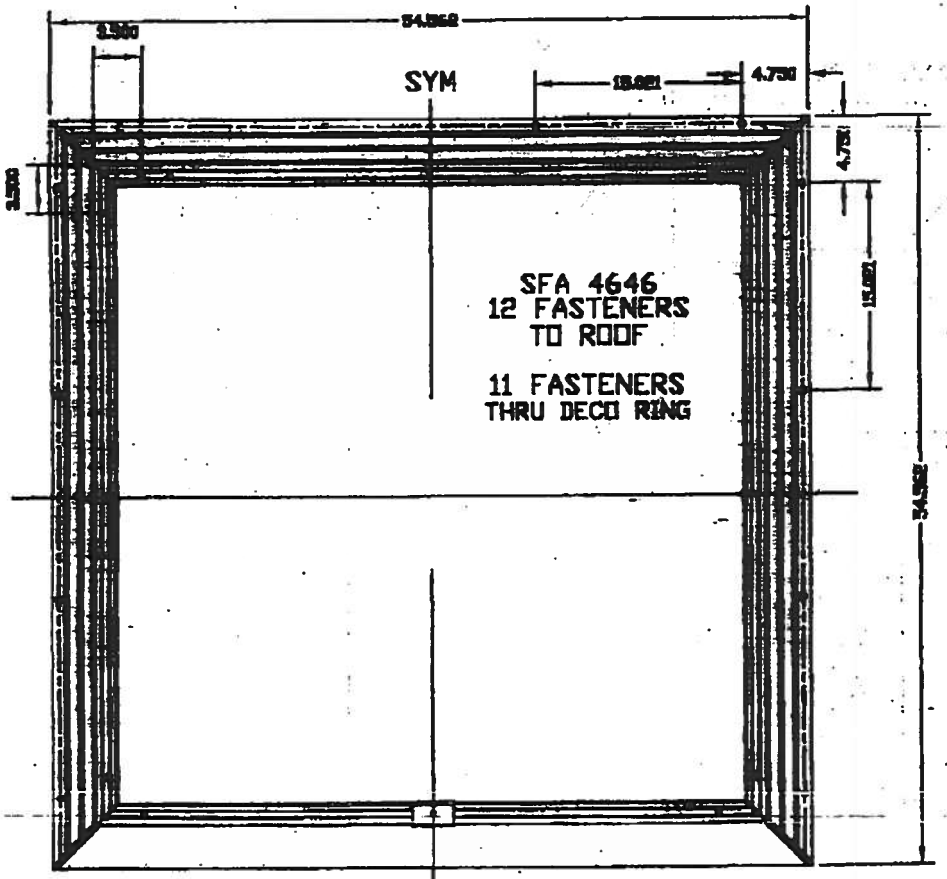
NATIONAL CERTIFIED TESTING LABORATORIES

DANIEL D. CONYERS
Laboratory Manager

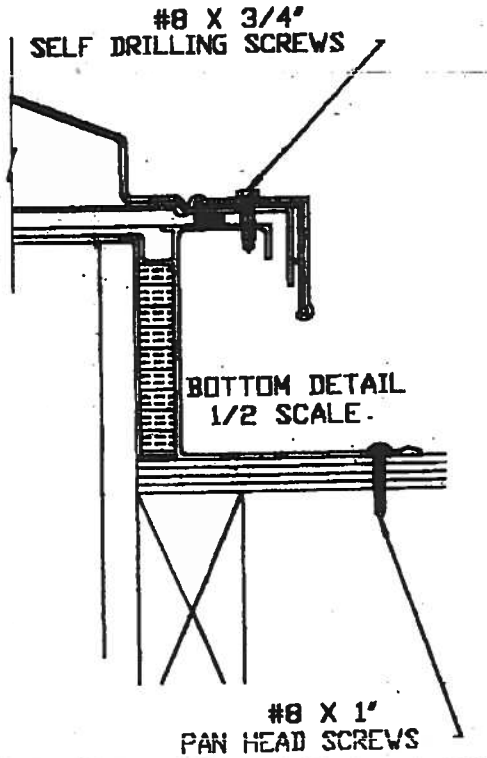
Barry D Barker
1/7/02

TEST SPECIMEN COMPLIES
WITH THESE DATAILS ANY
DEVIATION IS NOTED
REPORT NO. NCTL #10 2732-1
TEST DATE 11-12-01

PART NAME: FASTENER LOCATION | SHEET 1 OF | DRAWN BY: L. B. REED | DWG.#: SFA4646D



NOTE: ALL DIMENSIONS NOMINAL & TYPICAL

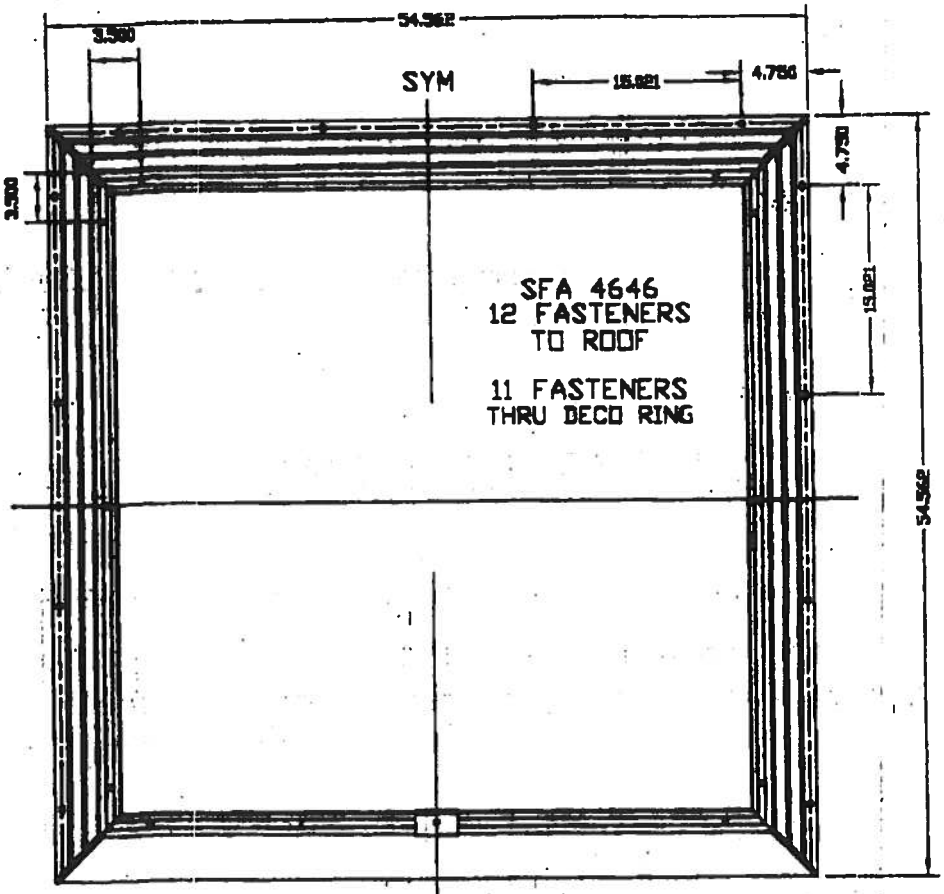


WIND LOADS BELOW 74 PSF USE
1-1/4" RING SHANK SCREWS
W/NEOPREME WASHERS

REVISION:		REVISION:		PRODUCT NAME: SFA / SFAW	SUN-TEK MANUFACTURING, INC.
NO.	DATE	NO.	DATE	DATE: 12/10/98 SCALE:	DWG No. SFA4646D

10303 GENERAL DRIVE ORLANDO, FL 32824

FASTENER LOCATIONS



NOTE: ALL DIMENSIONS NOMINAL & TYPICAL

The test specimen was mounted to the test buck using ( ) ( ) screws located at location shown

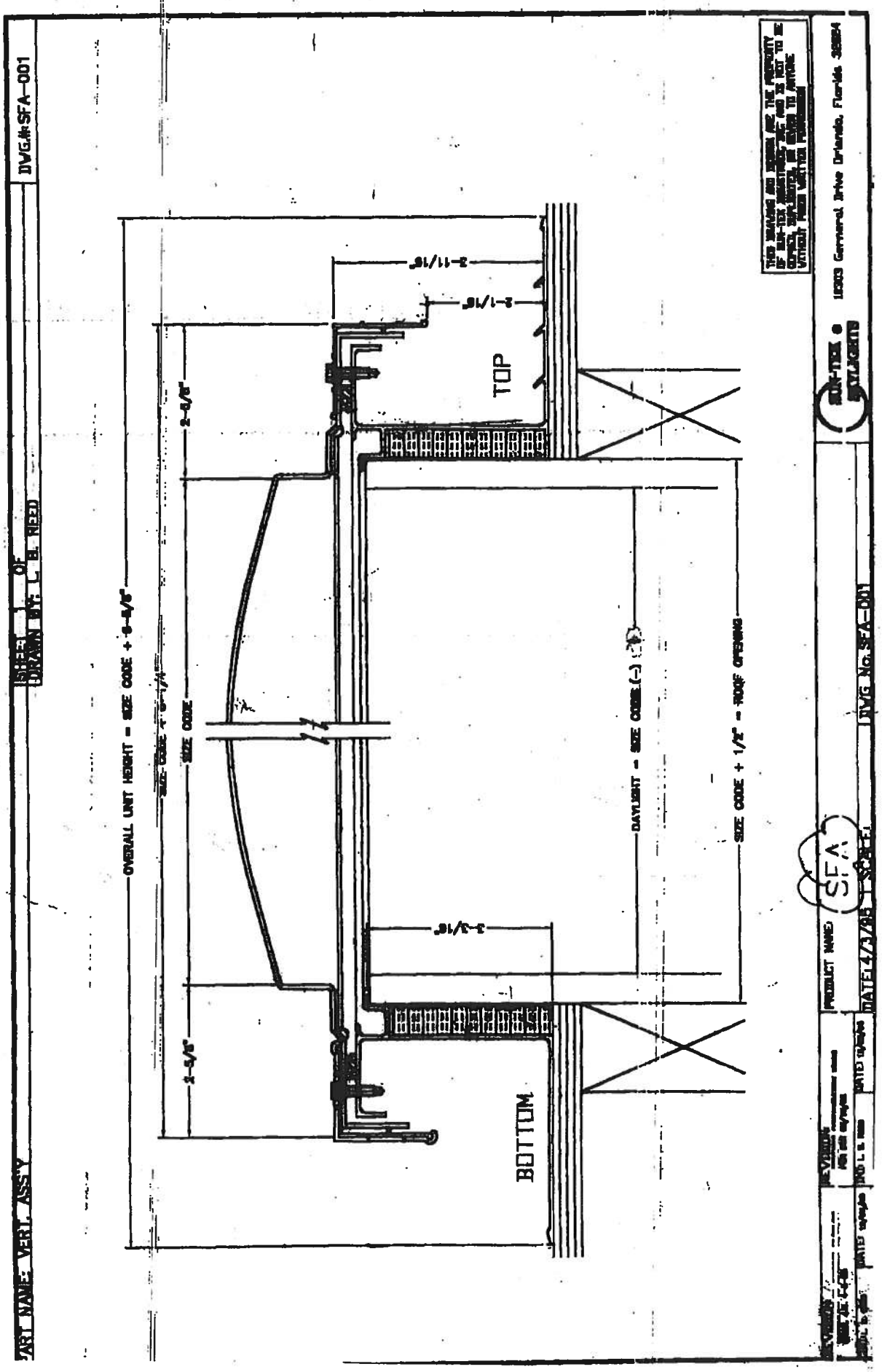
NATIONAL CERTIFIED TESTING LABORATORIES

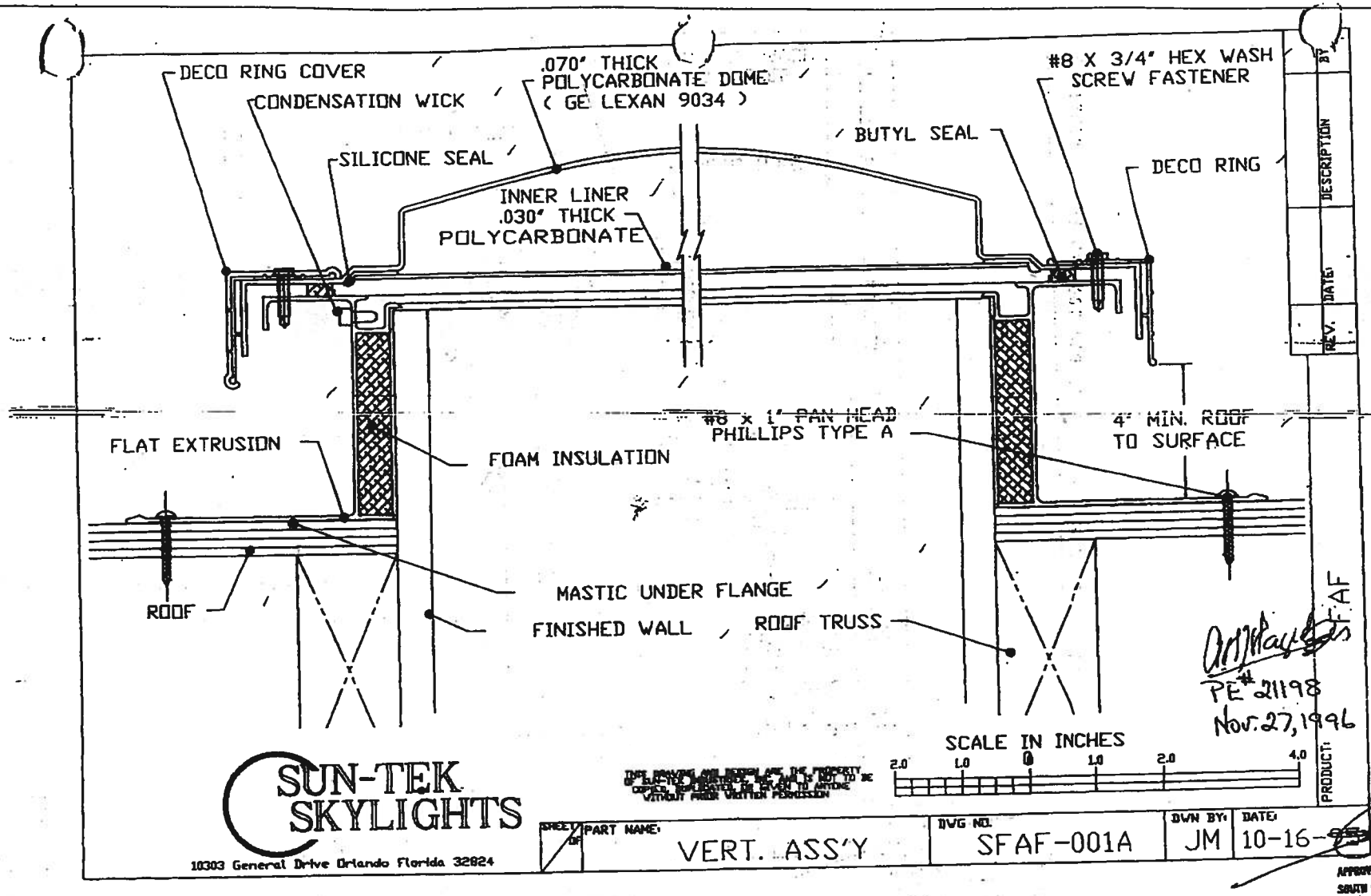
JOB NO.: NCTL-210-0735-1

COMPANY: Sun-Tek

TEST DATE: 11-12-01

Barry Parker 1/17/02


DWG.#SFA-001
ART NAME: VERT ASSY
SHEET OF
DRAWN BY: L. EL REED
THIS DRAWING AND DESIGN ARE THE PROPERTY OF SUN-TEK SKYLIGHTS, INC. AND IS NOT TO BE COPIED, USED, LOANED OR DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN PERMISSION
SUN-TEK SKYLIGHTS
12303 Commercial Drive Orlando, Florida 32824
REVISIONS
PRODUCT NAME
DATE 4/3/03
SCALE:
DWG No. SFA-001
TOP
BOTTOM
2-11/16"
2-1/16"
2-5/8"
2-5/8"
3-3/16"
OVERALL UNIT HEIGHT = SIZE CODE + 3-5/8"
SIZE CODE
DAYLIGHT = SIZE CODE(-)
SIZE CODE + 1/2" = ROOF OPENING



PE# 21198
Nov. 27, 1996

SUN-TEK SKYLIGHTS
10303 General Drive Orlando Florida 32824

SHEET 1 OF	PART NAME:	DVG NO.	DWN BY:	DATE:
	VERT. ASS'Y	SFAF-001A	JM	10-16-96

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE: JANUARY 23, 1997
BY: PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO: [illegible]

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/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
☒	☑	**Elevations including:** a) All sides
☒	☐	b) Roof pitch
☒	☐	c) Overhang dimensions and detail with attic ventilation

d) Location, size and height above roof of chimneys.
e) Location and size of skylights
f) Building height
e) Number of stories

Floor Plan including:

a) Rooms labeled and dimensioned.
b) Shear walls 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
   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)
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

a) Size of pump motor

b) Size of pressure tank

c) Cycle stop valve if used

DUCT SYSTEM SUMMARY
Entire House

LARRY RESMONDO A/C

Job: ANN DANIELS LOT 64
EMERALD COVE 3/28/06

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

	HEATING	COOLING
External Static Pressure:	***0.10*** in H2O	0.00 in H2O
Pressure Losses:	0.50 in H2O	0.50 in H2O
Available Static Pressure:	-0.4 in H2O	-0.5 in H2O
Friction Rate:	***0.100*** in/100ft	***0.100*** in/100ft
Actual AVF:	1150 cfm	1150 cfm

Total Effective Length (TEL): 165 ft

Supply Branch Detail Table

Name	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trnk
WHOLE HOUSE	4242	3339	192	192	0.100	718	7	0x 0	ShMt	st1
WHOLE HOUSE-A	4240	3337	192	192	0.100	717	7	0x 0	ShMt	st1A
WHOLE HOUSE-B	4240	3337	192	192	0.100	717	7	0x 0	ShMt	st1A
WHOLE HOUSE-C	4240	3337	192	192	0.100	717	7	0x 0	ShMt	st1B
WHOLE HOUSE-D	4240	3337	192	192	0.100	717	7	0x 0	ShMt	st1
WHOLE HOUSE-E	4240	3337	192	192	0.100	717	7	0x 0	ShMt	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Vel (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	1150	1150	824	16	0 x 0	ShtMetl	
st1A	Peak AVF	575	575	871	11	0 x 0	ShtMetl	st1
st1B	Peak AVF	192	192	717	7	0 x 0	ShtMetl	st1A

Return Branch Detail Table

Name	Diffus Sz (in)	Htg (Btuh)	Clg (Btuh)	Htg (cfm)	Clg (cfm)	Dsn FR	Vel (fpm)	Dia (in)	Rect Sz (in)	Duct Matl	Trunk
rb1	0 x 0	25444	20022	1150	1150	0.100	651	18	0x 0	ShMt	

Bold/Italic values have been manually overridden

RIGHT-J BUILDING ANALYSIS REPORT
Entire House
LARRY RESMONDO A/C

Job: ANN DANIELS LOT 64
EMERALD COVE 3/28/06

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

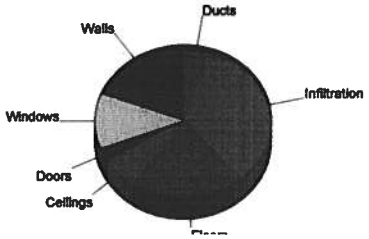
Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	70	75
Design TD (°F)	37	17
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	52

Infiltration	
Method	Simplified
Construction quality	Average
Fireplaces	0

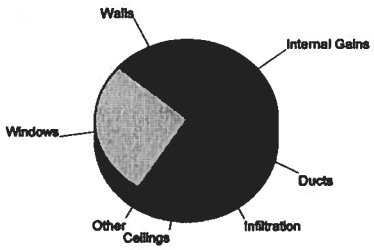
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	2.7	4862	19.1
Windows	23.8	2980	11.7
Doors	17.0	715	2.8
Ceilings	1.2	1713	6.7
Floors	30.0	5380	21.1
Infiltration	51.4	8582	33.7
Ducts		1212	4.8
Total		**25443**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	1.5	2729	13.6
Windows	44.0	5503	27.5
Doors	9.5	398	2.0
Ceilings	1.4	1898	9.5
Floors	0.0	0	0.0
Infiltration	11.8	1972	9.8
Ducts		1820	9.1
Internal gains		5700	28.5
Total		**20019**	**100.0**



Cooling at 82 % SHR = 2.0 ton
Cooling at 70 % SHR = 2.3 ton
Cooling air flow = 580 cfm/ton
Cooling at 400 cfm/ton = 2.9 ton
Overall U-Value = 0.123 Btuh/ft²-°F

WARNING: window to floor area ratio = 8.9% - less than 10%.

RIGHT-J LOAD AND EQUIPMENT SUMMARY
Entire House
LARRY RESMONDO A/C

Job: ANN DANIELS LOT 64
EMERALD COVE 3/28/06

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33	°F
Inside db	70	°F
Design TD	37	°F

Summer Design Conditions

Outside db	92	°F
Inside db	75	°F
Design TD	17	°F
Daily range	M	
Relative humidity	50	%
Moisture difference	52	gr/lb

Heating Summary

Building heat loss	25443	Btuh
Ventilation air	0	cfm
Ventilation air loss	0	Btuh
Design heat load	25443	Btuh

Sensible Cooling Equipment Load Sizing

Structure	20019	Btuh
Ventilation	0	Btuh
Design temperature swing	3.0	°F
Use mfg. data	n	
Rate/swing multiplier	0.97	
Total sens. equip. load	19419	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1403	1403
Volume (ft³)	12627	12627
Air changes/hour	1.0	0.5
Equiv. AVF (cfm)	211	105

Latent Cooling Equipment Load Sizing

Internal gains	690	Btuh
Ventilation	0	Btuh
Infiltration	3696	Btuh
Total latent equip. load	4386	Btuh
Total equipment load	23805	Btuh

Heating Equipment Summary

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-030JA

Efficiency	8.0 HSPF	
Heating input	0	Btuh
Heating output	0	Btuh
Heating temp rise	0	°F
Actual heating fan	1150	cfm
Heating air flow factor	0.045	cfm/Btuh

Space thermostat

Cooling Equipment Summary

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-030JA
UBHJ-21+RCHJ-36A1

Efficiency	13.0 SEER	
Sensible cooling	19600	Btuh
Latent cooling	8400	Btuh
Total cooling	28000	Btuh
Actual cooling fan	1150	cfm
Cooling air flow factor	0.057	cfm/Btuh
Load sensible heat ratio	82	%

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.

RIGHT-J SHORT FORM
Entire House
LARRY RESMONDO A/C

Job: ANN DANIELS LOT 64
EMERALD COVE 3/28/06

715 NW 1ST AVE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoac@netcommander.com

Project Information

For: WOODMAN PARK BUILDERS
P.O. BOX 3535, LAKE CITY, FL 32056
Phone: 386-755-2411 Fax: 386-755-1126

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	70	75
Design TD (°F)	37	17
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	52

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

HEATING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-030JA

Efficiency	8.0 HSPF	
Heating input	0	Btuh
Heating output	0	Btuh
Heating temperature rise	0	°F
Actual heating fan	1150	cfm
Heating air flow factor	0.045	cfm/Btuh

Space thermostat

COOLING EQUIPMENT

Make RUUD AIR COND
Trade Ruud UPMB Series
UPMB-030JA
UBHJ-21+RCHJ-36A1

Efficiency	13.0 SEER	
Sensible cooling	19600	Btuh
Latent cooling	8400	Btuh
Total cooling	28000	Btuh
Actual cooling fan	1150	cfm
Cooling air flow factor	0.057	cfm/Btuh

Load sensible heat ratio 82 %

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
WHOLE HOUSE	1403	25443	20019	1150	1150
Entire House d	1403	25443	20019	1150	1150
Ventilation air		0	0		
Equip. @ 0.97 RSM			19419		
Latent cooling			4386		
TOTALS	1403	25443	23805	1150	1150

Printout certified by ACCA to meet all requirements of Manual J 7th Ed.

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.

24476

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

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB109476 Company Phone No. 386-755-3611
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Woodman Park Builders Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Emerald Town Lot 64 #
Lake City FL

Type of Construction (More than one box may be checked) ☑ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 12 Inside 36 Type of Fill Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 7-10-06
Brand Name of Product(s) Used Typar T.C
EPA Registration No. 53883-92
Approximate Final Mix Solution % 0.25%
Approximate Size of Treatment Area: Sq. ft. 2139 Linear ft. 214 Linear ft. of Masonry Voids 214
Approximate Total Gallons of Solution Applied 544
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) Steve Brannan Certification No. (if required by State law) JF104376

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

Authorized Signature [signature] Date 7-10-06

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)

24476

Mark Disosway, P.E.
POB 868, Lake City, FL 32056, Ph 386-754-5419, Fax 386-269-4817

July 11, 2006

Building and Zoning, Columbia County, Florida

Re: Site Evaluation, Woodman Park Builders, Daniels Ann Residence, 220 SW Fieldstone Ct, Lot 64, Emerald Cove S/D, 02438-164, Columbia County, FL

Dear Building Inspector:

I have reviewed the Flood Insurance Rate Map and NGS topographic map and performed a site evaluation for the Woodman Park Builders, Ann Daniels Residence, 220 SW Fieldstone Ct, Lot 64, Emerald Cove S/D, 02438-164, Columbia County, FL. The proposed finished floor elevation (stepped footing with CMU stem wall, prepped for slab, varying from 10" to 5' above natural grade) is less than one foot above the nearby county road that it fronts on, SW Fieldstone Ct. The lot is in Zone X on the FEMA rate map, attached.

The proposed finished floor elevation is higher than the land to the north of the lot and storm water will flow down to the natural depression retention pond sink hole and from there will soak into the ground because it has nowhere else to go. Since the lot is in a bowl it would be flooded if the bowl filled up however, the proposed finished floor elevation is more than 10' higher than the county road behind the lot to the west and dozens of houses will have water over their eaves before the floor gets wet on this one.

Based on topo maps, and FEMA data the proposed finished floor elevation is at an adequate elevation to avoid flooding.

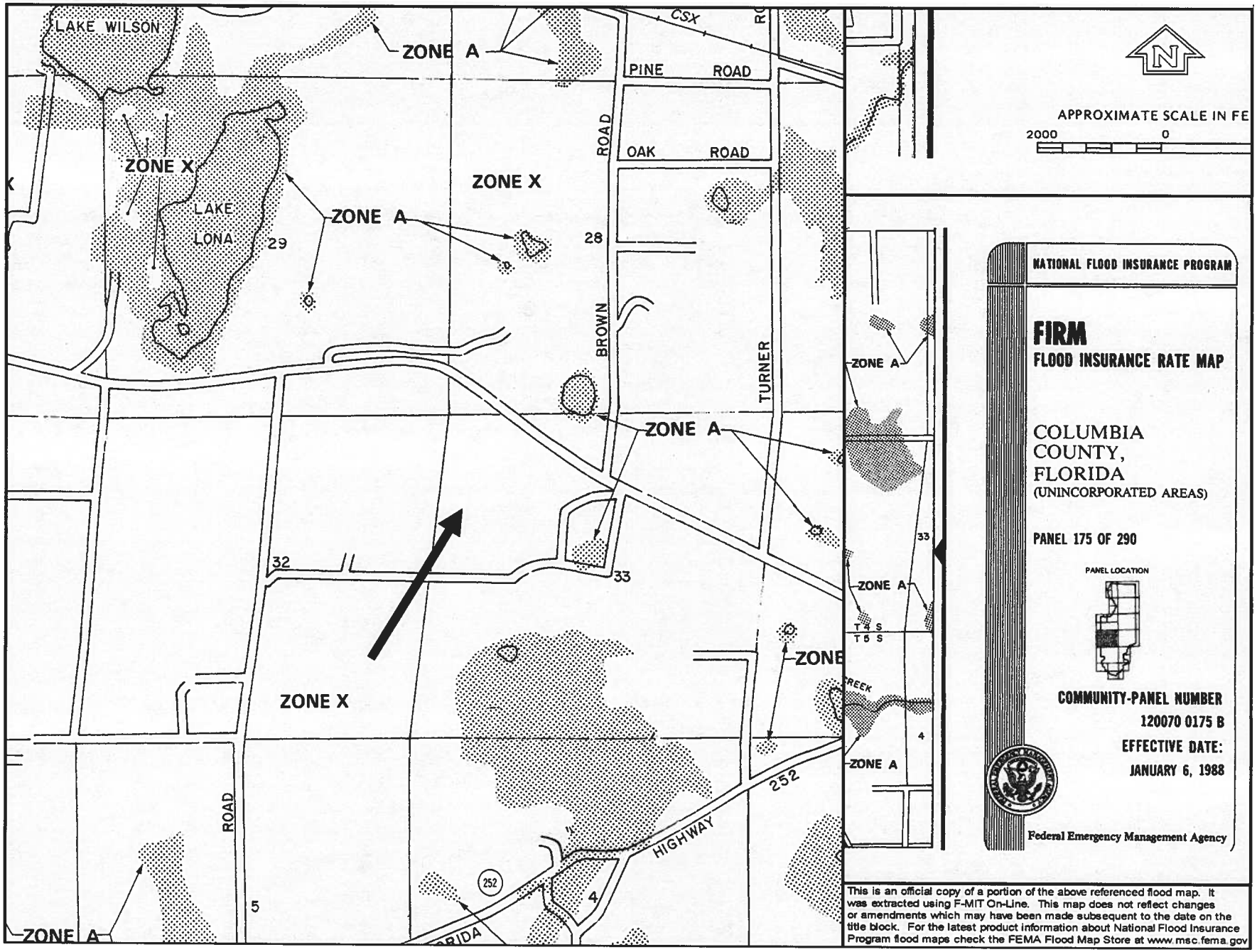
The finished floor elevation must be minimum 6" above finished grade per FBC2004. The finished grade should slope down from that elevation for another 6" within 12 feet away from the house in all directions so that all runoff drains away from the house. The owner must maintain the swales, slopes, and ditch to provide free drainage to the ditch and prevent any possibility of storm water backing up into the house.

The owner should be aware that if free drainage and percolation is not maintained in the retention pond natural depression sink hole or if future development in the area causes increased storm water run off the level of the natural depression retention pond could rise higher than estimated by the subdivision engineer and his house would be more susceptible to flooding. The topo map shows elevation of the lot varies from 115 – 120' and the bottom of the nearby natural depression is 90'.

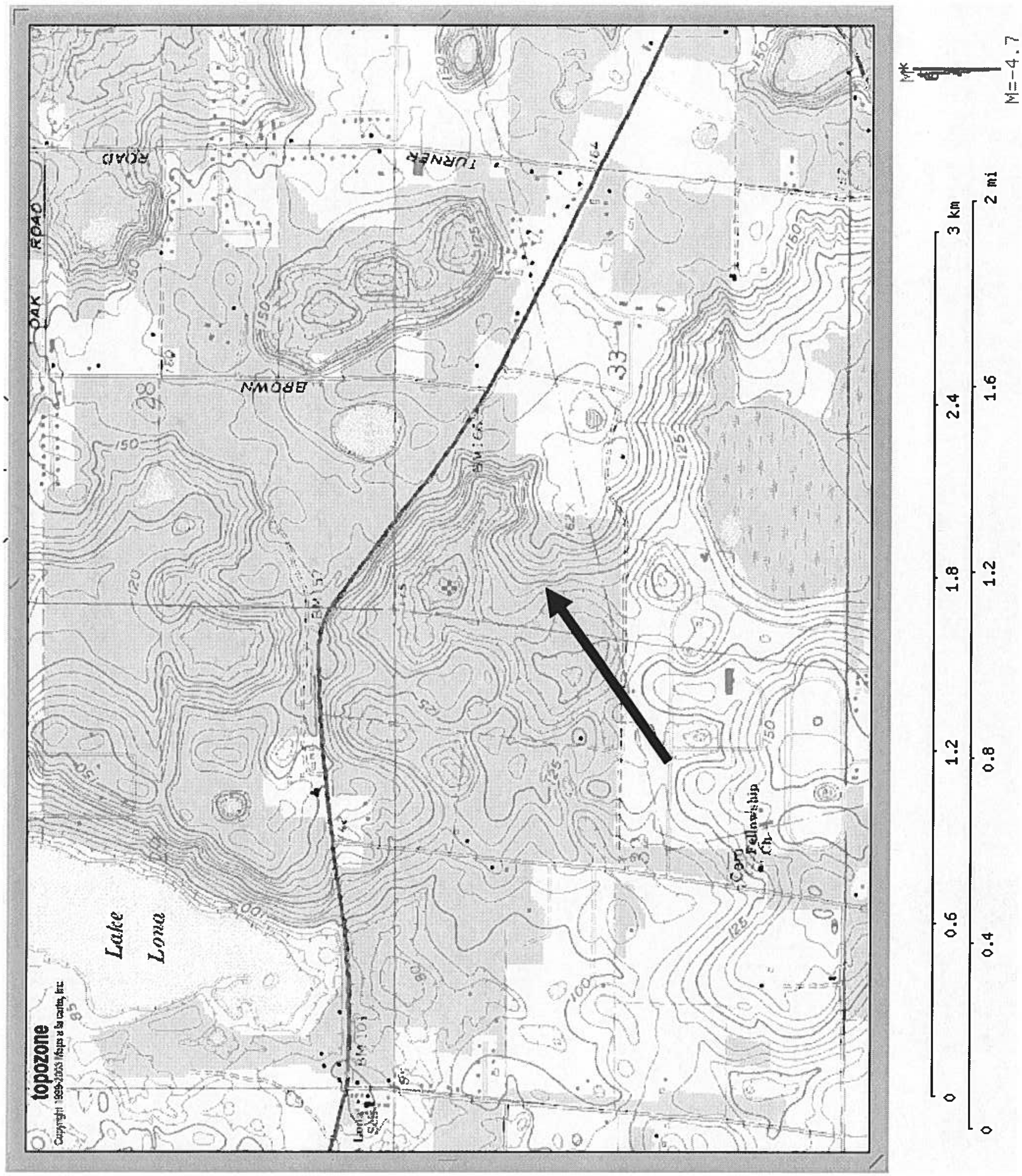
Sincerely,

11 JUL 06

Mark Disosway, PE


LAKE WILSON
ZONE A
CSX
PINE ROAD
OAK ROAD
ROAD
ZONE X
ZONE A
LAKE LONA
29
28
BROWN
TURNER
ZONE A
32
33
ZONE X
ZONE
ROAD
HIGHWAY
252
5
4
ZONE A
N
APPROXIMATE SCALE IN FE
2000
0
ZONE A
33
ZONE A
T 4 S
T 5 S
4
ZONE A
NATIONAL FLOOD INSURANCE PROGRAM
FIRM
FLOOD INSURANCE RATE MAP
COLUMBIA COUNTY, FLORIDA
(UNINCORPORATED AREAS)
PANEL 175 OF 290
PANEL LOCATION
COMMUNITY-PANEL NUMBER
120070 0175 B
EFFECTIVE DATE:
JANUARY 6, 1988
Federal Emergency Management Agency
This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

PARCEL INFO
PIN 33-3S-16-02438-164
Use VACANT (000000)
Yr.Blt
Desc
OWNER INFO
Name DANIELS MARGARETHA A
Site
Mail 152 SW OCALA WAY LAKE CITY, FL 32024
ASSESSMENT INFO
LndVal $32,500.00
AgVal $0.00
BldVal $0.00
ApVal $32,500.00
JustVal $32,500.00
Assd $32,500.00
Exmpt $0.00
Taxable $32,500.00
SALES INFO
3/31/2006 $55,000.00 V / Q
3/16/2006 $45,000.00 V / Q
SEARCH RESULTS
Highlight Parcel
Label Parcel
Auto-Zoom Parcel
1 of 1
DB Last Updated: 6/19/2006
GIS Map Updated: 6/19/2006
NORTH
EAST
SOUTH
WEST
33-3S-16-02438-164
DANIELS MARGARETHA
3/31/2006 - $55,000 - VQ
NW BROWN RD
SW BROWN RD
NW EMERALD LAKE DR
NW KELLEY LAKE CT
NW SILVERLEAF LN
SW SWEETWATER DR
SW SALAMANDER CT
SW MUFFIN CT


topozone
Copyright 1999-2003 Maps a la carte, Inc
Lake
Lona
OAK
ROAD
BROWN
TURNER
28
33
Fellowship
Ch
0 0.6 1.2 1.8 2.4 3 km
0 0.4 0.8 1.2 1.6 2 mi
M=-4.7

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 33-3S-16-02438-164 **Building permit No.** 24476

Use Classification SINGLE FAMILY DWELLING **Fire:** 55.80

Permit Holder WILLIAM G. WOOD **Waste:** 167.50

Owner of Building MARGARETHA A. DANIELS **Total:** 223.30

Location: 220 SW FIELDSTONE COURT (EMERALD COVE, LOT 64)

Date: DECEMBER 11, 2006

John Kence

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

33-3S-16-02438-164

TEMPORARY

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 33-3S-16-02438-164 **Building permit No.** 24476

Use Classification SINGLE FAMILY DWELLING **Fire:** N/A

Permit Holder WILLIAM G. WOOD **Waste:** N/A

Owner of Building MARGARETHA A. DANIELS **Total:** N/A

Location: EMERALD COVE S.D LOT 64 PHASE I **WILL COLLECT FEES ON FINAL C.O.....

Date: DECEMBER 7, 2006

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Project Information for:	L158385		
Builder:	WOODMAN PARK	Date:	4/6/2006
Lot:	LOT 64 EMERALD COVE	Start Number:	**1229**
Subdivision:	N/A		
County or City:	COLUMBIA COUNTY		
Truss Page Count:	30		

Truss Design Load Information (UNO) Design Program: MiTek 5.2 / 6.2

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)

WOOD, WILLIAM G. CBC058182
Address: PO BOX 3535
LAKE CITY,FLORIDA 32056 Designer: **154**

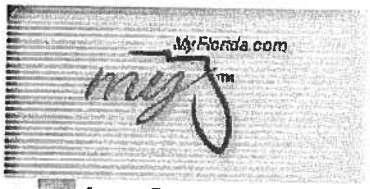
Truss Design Engineer: Thomas, E. Miller, P.E., 56877 - Byron K. Anderson, PE FL 60987
Company: Structural Engineering and Inspections, Inc. EB 9196
Address 16105 N. Florida Ave, Ste B, Lutz, FL 33549

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.

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ3	0406061229	4/6/2006				
2	CJ1A	0406061230	4/6/2006				
3	CJ3A	0406061231	4/6/2006				
4	CJ5	0406061232	4/6/2006				
5	EJ7	0406061233	4/6/2006				
6	HJ9	0406061234	4/6/2006				
7	HJ9A	0406061235	4/6/2006				
8	T01	0406061236	4/6/2006				
9	T01A	0406061237	4/6/2006				
10	T01G	0406061238	4/6/2006				
11	T02	0406061239	4/6/2006				
12	T03	0406061240	4/6/2006				
13	T04	0406061241	4/6/2006				
14	T05	0406061242	4/6/2006				
15	T05G	0406061243	4/6/2006				
16	T06	0406061244	4/6/2006				
17	T07	0406061245	4/6/2006				
18	T08	0406061246	4/6/2006				
19	T09	0406061247	4/6/2006				
20	T10	0406061248	4/6/2006				
21	T11	0406061249	4/6/2006				
22	T12	0406061250	4/6/2006				
23	T13	0406061251	4/6/2006				
24	T14	0406061252	4/6/2006				
25	T15	0406061253	4/6/2006				
26	T16	0406061254	4/6/2006				
27	T17	0406061255	4/6/2006				
28	T18	0406061256	4/6/2006				
29	T19	0406061257	4/6/2006				
30	T20	0406061258	4/6/2006				

APR 06 2006



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4:36:08 PM

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- Change My PIN
- View Continuing Ed

Term Glossary

Online Help

Licensee Details

Licensee Information

Name:	**WOOD, WILLIAM G (Primary Name)**
	WOODMAN PARK BUILDERS INC (DBA Nam
Main Address:	**P.O.BOX 3535**
	LAKE CITY Florida 32026
License Mailing:	
LicenseLocation:	**P.O.BOX 3535**
	LAKE CITY FL 32026

License Information

License Type:	**Certified Building Contractor**
Rank:	**Cert Building**
License Number:	**CBC058182**
Status:	**Current,Active**
Licensure Date:	**10/06/1997**
Expires:	**08/31/2006**

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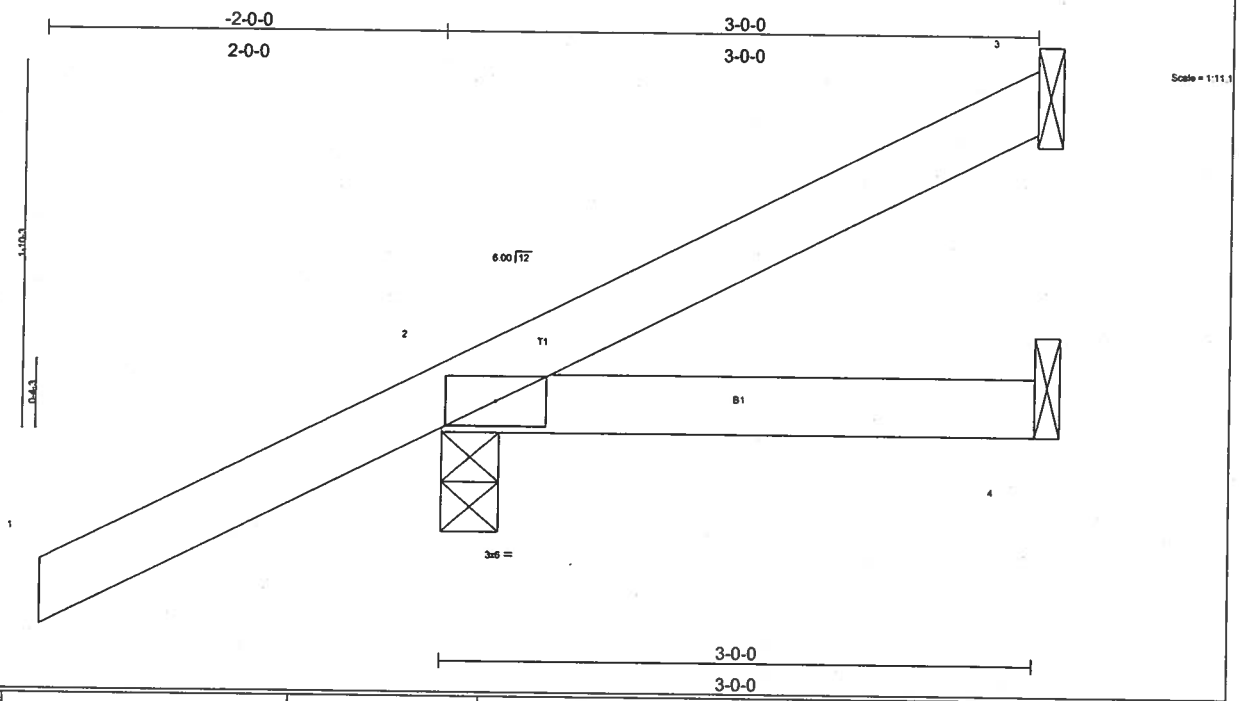
APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16106 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061229

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	CJ3	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 11:24:05 2006 Page 1



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

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

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

REACTIONS (lb/size) 3=31/Mechanical, 2=278/0-3-8, 4=42/Mechanical
Max Horz 2=132(load case 5)
Max Uplift3=-28(load case 6), 2=-203(load case 5)

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

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 3 and 203 lb uplift at joint 2.

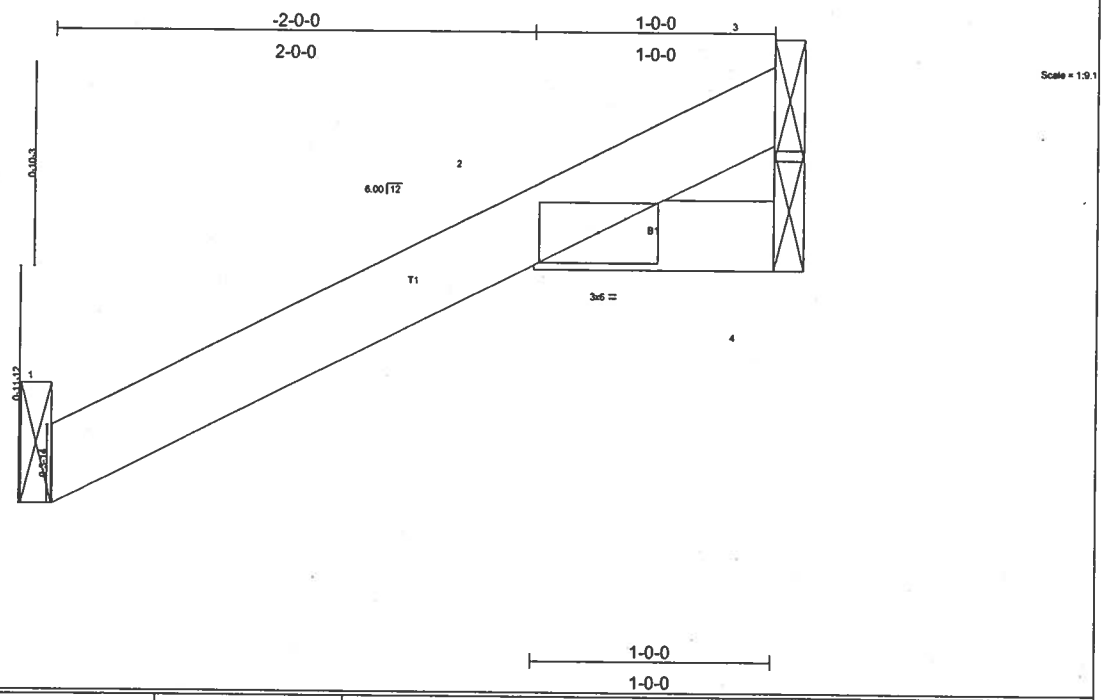
LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061230

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	CJ1A	JACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 15:44:29 2006 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	0.02	1-2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.02	1-2	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.01	4	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) 1=98/Mechanical, 4=15/Mechanical, 3=96/Mechanical
Max Horz 1=67(load case 5)
Max Uplift1=-29(load case 5), 3=-66(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-67/7, 2-3=-55/43
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left 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) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 29 lb uplift at joint 1 and 66 lb uplift at joint 3.

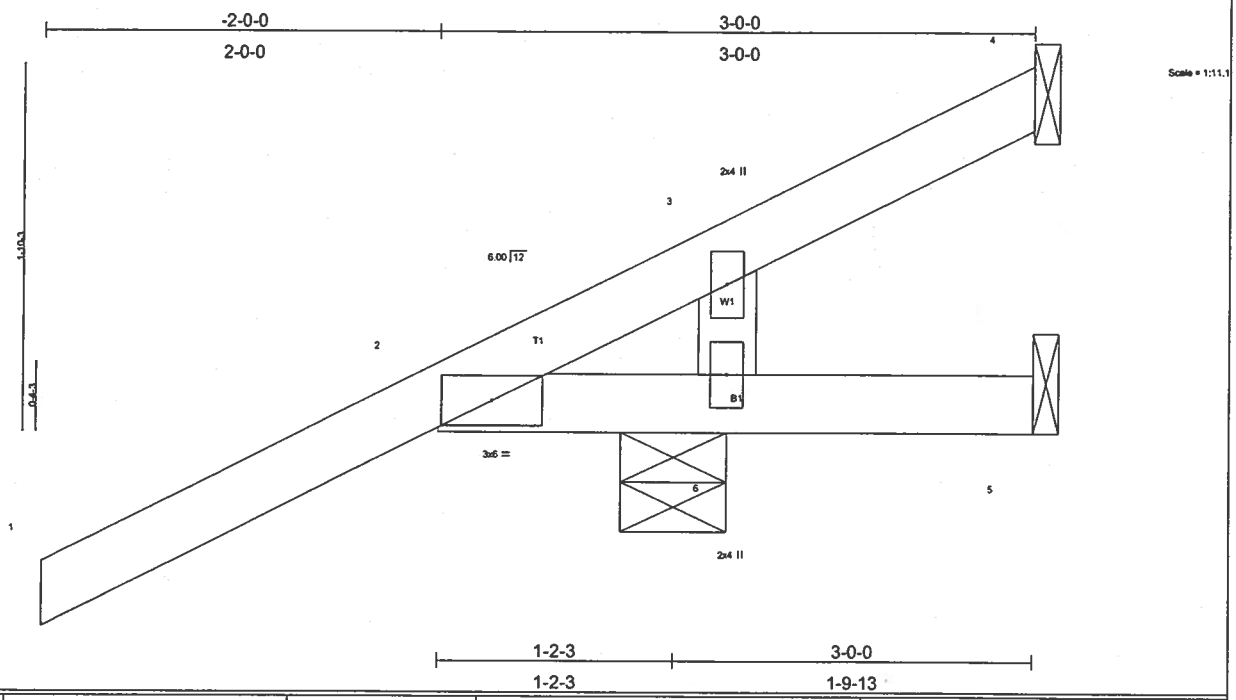
LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061231

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	CJ3A	JACK	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 15:34:36 2006 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.01	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.01	5-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.04	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 14 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 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=-64/Mechanical, 5=-111/Mechanical, 6=529/0-6-7
Max Horz 6=132(load case 5)
Max Uplift4=-64(load case 1), 5=-111(load case 1), 6=-428(load case 5)
Max Grav 4=57(load case 5), 5=129(load case 5), 6=529(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-96/33, 3-4=-64/33
BOT CHORD 2-6=-0/183, 5-6=0/0
WEBS 3-6=-216/262

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; cantilever left 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) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 64 lb uplift at joint 4, 111 lb uplift at joint 5 and 428 lb uplift at joint 6.

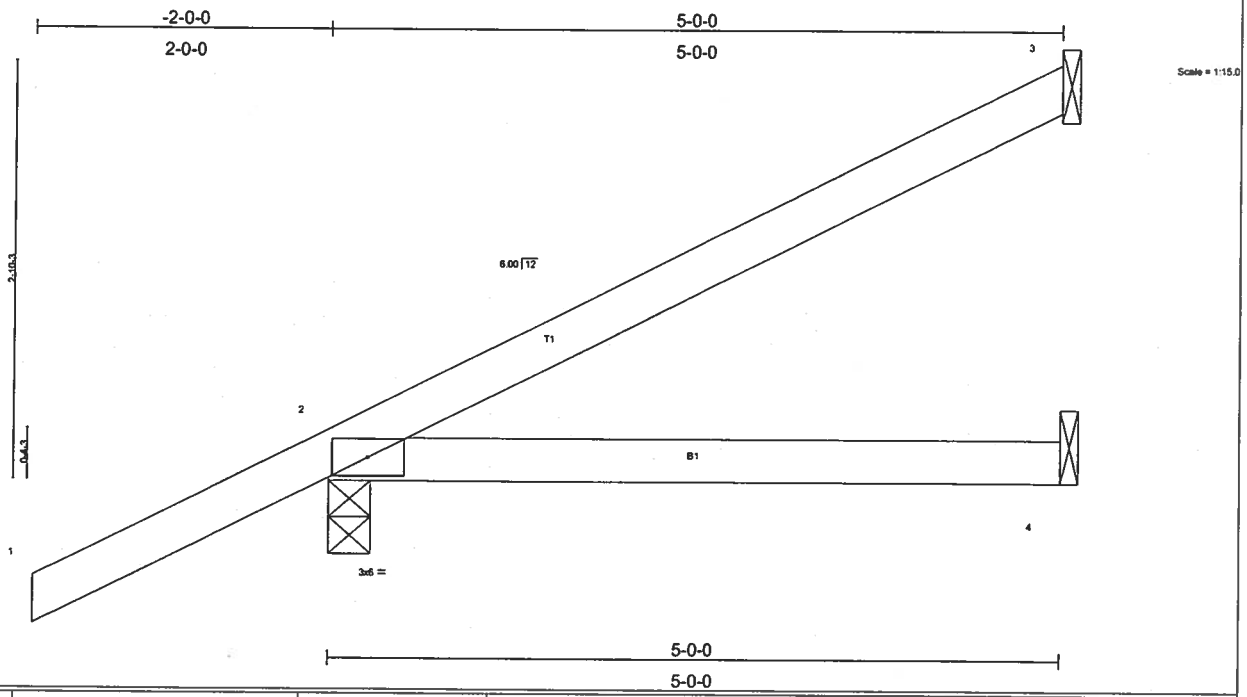
LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061232

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	CJ5	JACK	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 15:38:28 2006 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.82	Vert(LL)	-0.03	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	-0.05	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: 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=49/Mechanical, 2=520/0-3-8, 4=72/Mechanical
Max Horz 2=178(load case 5)
Max Uplift3=-67(load case 5), 2=-266(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-32/97, 2-3=-97/11
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 67 lb uplift at joint 3 and 266 lb uplift at joint 2.
4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 122 lb down and 80 lb up at -2-0-0 on top chord. The design/selection of such connection device(s) is the responsibility of others.
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: 1-3=-54, 2-4=-30
Concentrated Loads (lb)
Vert: 1=-122(F)

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061233

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	EJ7	MONO TRUSS	23	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 11:25:21 2006 Page 1

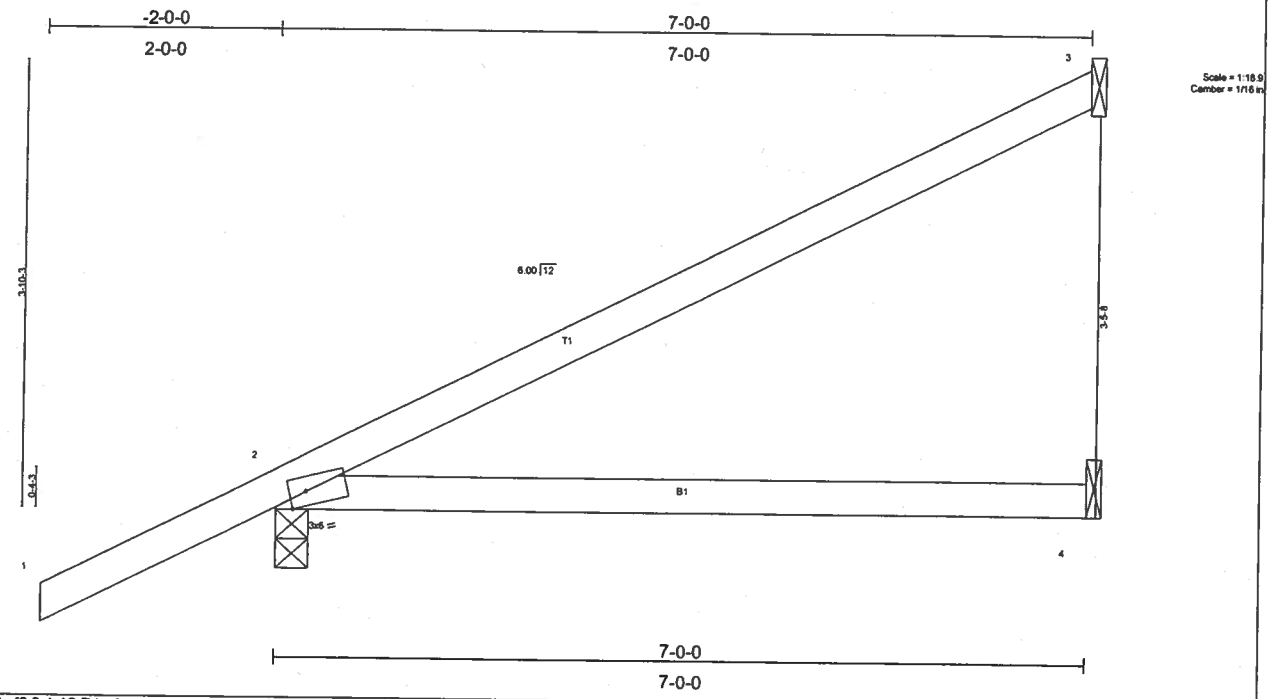


Plate Offsets (X,Y): [2:0-1-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.12	2-4	>664	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.21	2-4	>397	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb	

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

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

REACTIONS (lb/size) 3=162/Mechanical, 2=419/0-3-8, 4=104/Mechanical
Max Horz 2=224(load case 5)
Max Uplift3=-134(load case 5), 2=-210(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-119/58
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 134 lb uplift at joint 3 and 210 lb uplift at joint 2.

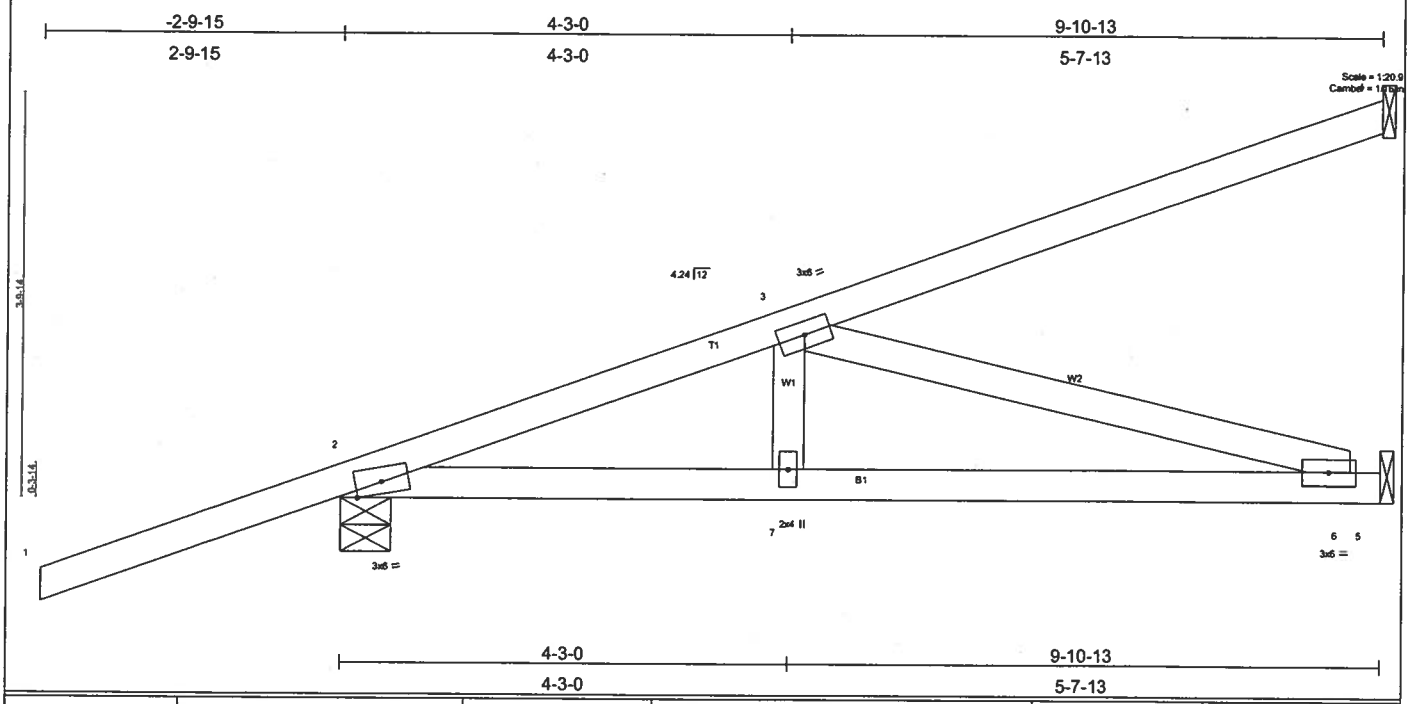
LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061234

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	HJ9	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 11:26:46 2006 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	-0.10	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.17	6-7	>686	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.46	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 45 lb	

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

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

REACTIONS (lb/size) 4=269/Mechanical, 2=535/0-5-11, 5=375/Mechanical
Max Horz 2=269(load case 2)
Max Uplift4=-231(load case 2), 2=-281(load case 2), 5=-62(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-881/117, 3-4=-105/66
BOT CHORD 2-7=-306/815, 6-7=-306/815, 5-6=0/0
WEBS 3-7=0/178, 3-6=-848/318

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 231 lb uplift at joint 4, 281 lb uplift at joint 2 and 62 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).

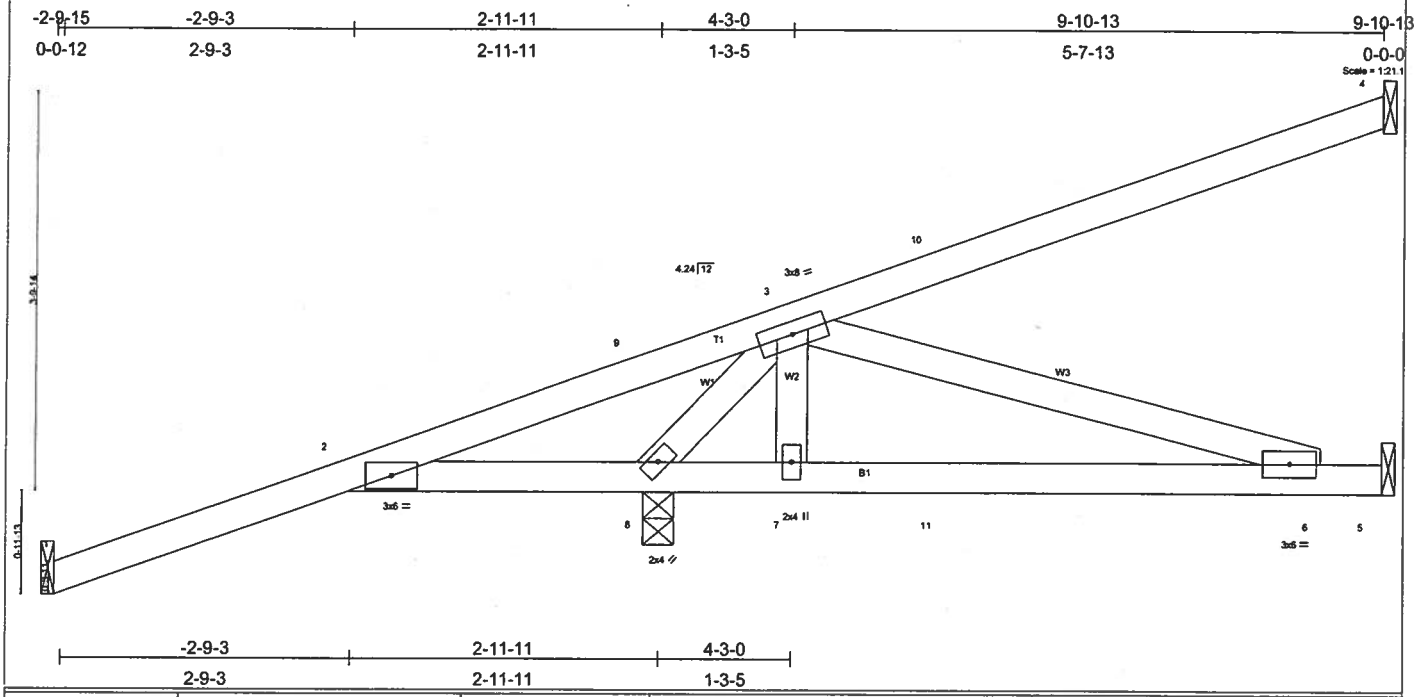
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-3(F=25, B=25)-to-4=-134(F=-40, B=-40), 2=0(F=15, B=15)-to-5=-74(F=-22, B=-22)

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061235

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	HJ9A	MONO TRUSS	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 15:37:56 2006 Page 1



LOADING (psf)		SPACING	0-0-1	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.05	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.09	6-7	>959	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.23	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 47 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.1D
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 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 5-6.

REACTIONS (lb/size) 1=-0/Mechanical, 4=244/Mechanical, 5=103/Mechanical, 8=981/0-3-8
Max Horz 1=-843(load case 1), 8=843(load case 1)
Max Uplift4=-92(load case 2), 5=-39(load case 2), 8=-370(load case 2)
Max Grav 4=244(load case 1), 5=103(load case 1), 8=981(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-340/901, 2-9=-434/1149, 3-9=-437/1157, 3-10=-83/31, 4-10=-22/58
BOT CHORD 2-8=-203/77, 7-8=-125/47, 7-11=-125/47, 6-11=-125/47, 5-6=0/0
WEBS 3-7=-74/195, 3-6=-49/130, 3-8=-1354/511

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left exposed ; Lumber DOL=1.60 plate grip DOL=1.60.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 92 lb uplift at joint 4, 39 lb uplift at joint 5 and 370 lb uplift at joint 8.
4) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 268 lb down and 101 lb up at -2-9-3 on top chord. The design/selection of such connection device(s) is the responsibility of others.
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
Concentrated Loads (lb)
Vert: 1=-268(F)
Trapezoidal Loads (plf)
Vert: 1=-0-to-2=-45(F=-45), 2=-38(F=-38)-to-9=-77(F=-76), 9=-0-to-10=-71(F=-71), 10=-71(F=-71)-to-4=-128(F=-128), 2=-7(F=-7)-to-8=-14(F=-14), 8=-0(F=-0)-to-11=-39(F=-39), 11=-39(F=-39)-to-5=-71(F=-71)

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061236

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T01	COMMON	7	1	Job Reference (optional)

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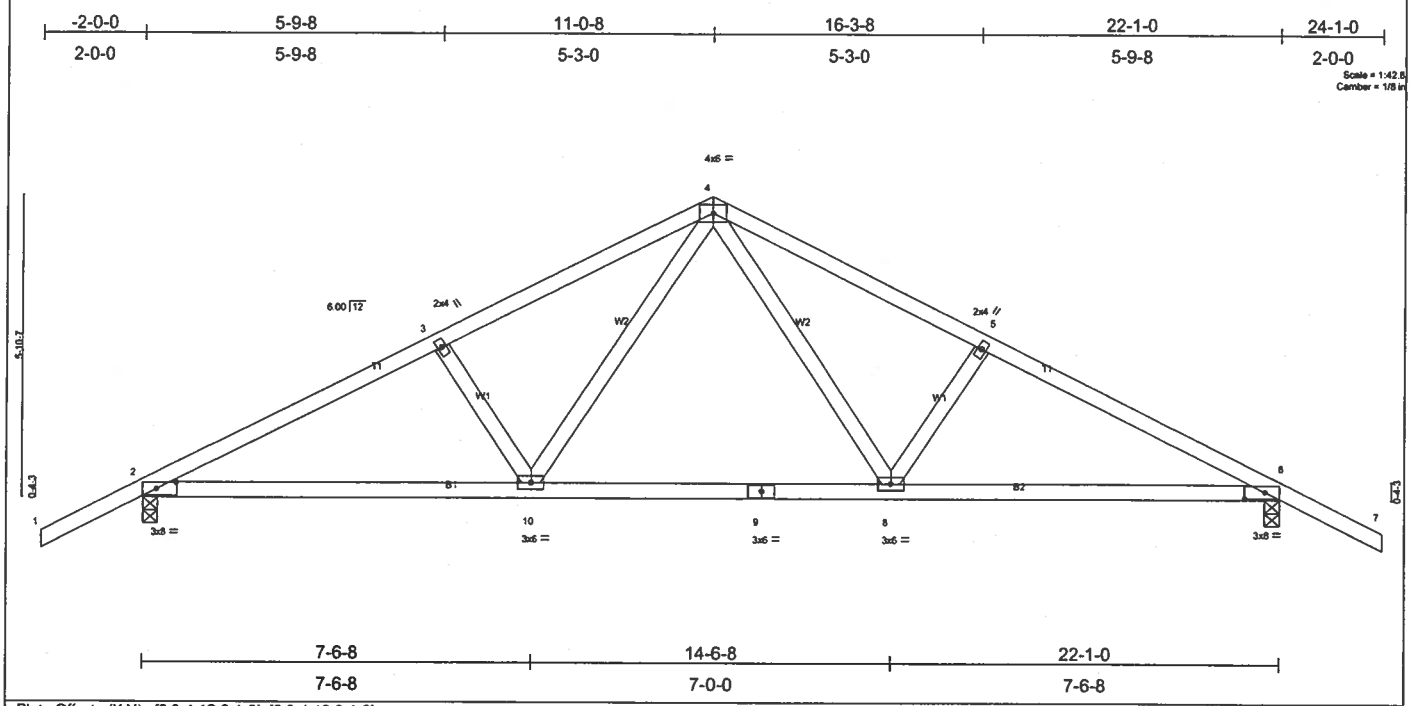

Plate Offsets (X,Y): [2:0-4-12,0-1-8], [6:0-4-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.22	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.84	Vert(TL)	-0.35	8-10	>749	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.24	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 105 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-5-2 oc bracing.

REACTIONS (lb/size) 2=1206/0-3-8, 6=1206/0-3-8
Max Horz 2=-116(load case 6)
Max Uplift2=-489(load case 5), 6=-489(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1942/805, 3-4=-1781/803, 4-5=-1781/803, 5-6=-1942/805, 6-7=0/47
BOT CHORD 2-10=-545/1663, 9-10=-270/1144, 8-9=-270/1144, 6-8=-545/1663
WEBS 3-10=-254/237, 4-10=-279/751, 4-8=-279/751, 5-8=-254/237

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 489 lb uplift at joint 2 and 489 lb uplift at joint 6.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

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

Dwg.#0406061237

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T01A	COMMON	4	1	Job Reference (optional)

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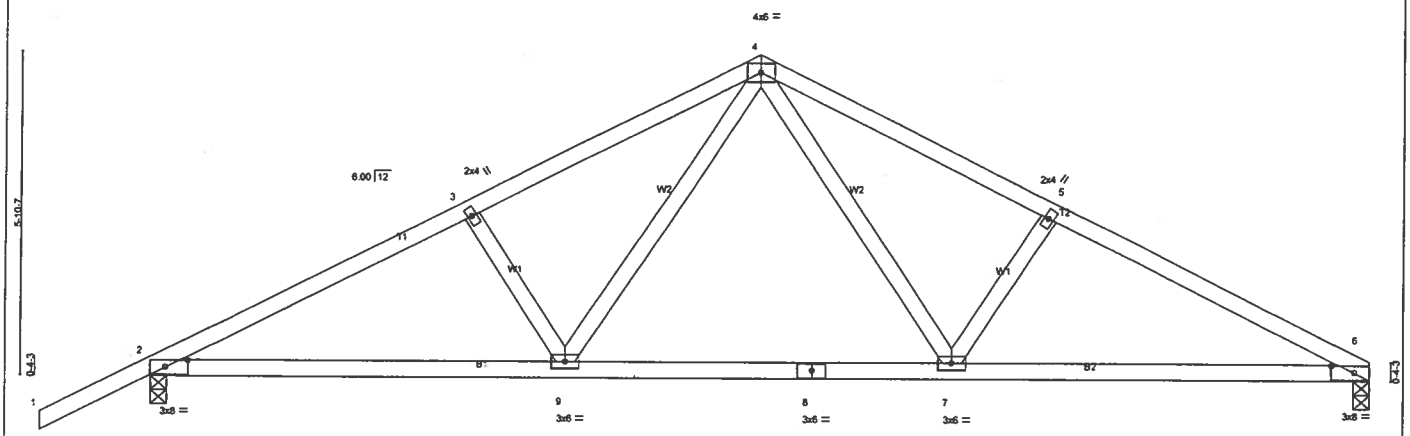
-2-0-0 | 5-9-8 | 11-0-8 | 16-3-8 | 22-1-0
2-0-0 | 5-9-8 | 5-3-0 | 5-3-0 | 5-9-8

Scale = 1:39.9
Camber = 1/8 in



7-6-8 | 14-6-8 | 22-1-0
7-6-8 | 7-0-0 | 7-6-8

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.21	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-0.34	7-9	>762	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.25	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 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 4-3-4 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-5-0 oc bracing.

REACTIONS (lb/size) 6=1085/0-3-8, 2=1212/0-3-8
Max Horz 2=140(load case 5)
Max Uplift6=-361(load case 6), 2=-491(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1953/824, 3-4=-1793/822, 4-5=-1814/858, 5-6=-1963/863
BOT CHORD 2-9=-641/1674, 8-9=-367/1156, 7-8=-367/1156, 6-7=-685/1700
WEBS 3-9=-255/239, 4-9=-274/750, 4-7=-331/783, 5-7=-271/264

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 361 lb uplift at joint 6 and 491 lb uplift at joint 2.
4) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 2-9=-30, 7-9=-80(F=-50), 6-7=-30

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061238

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T01G	COMMON	1	1	Job Reference (optional)

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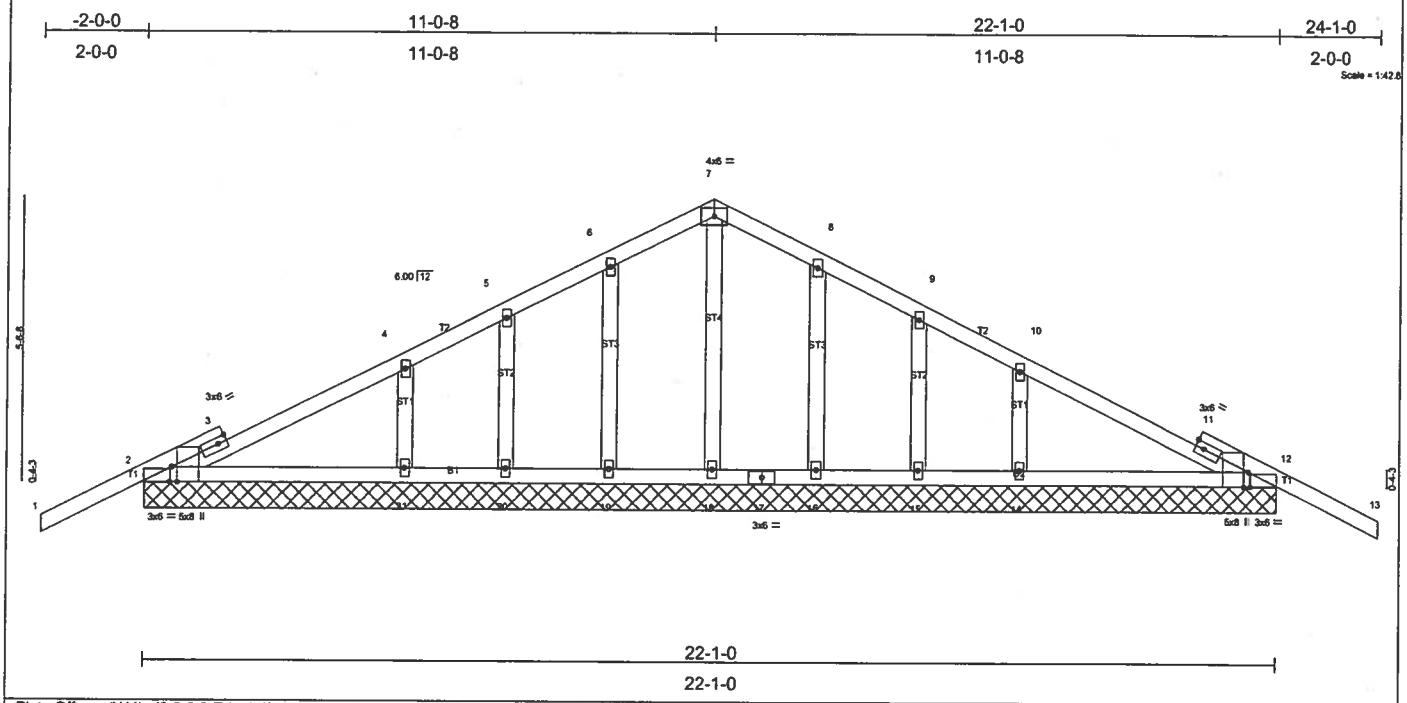

Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-0-8,Edge], [12:0-3-8,Edge], [12:0-0-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.01	13	n/r	90		
BCLL	10.0	Rep Stress Incr	NO	WB	0.18	Horz(TL)	0.01	12	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 114 lb	

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

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

REACTIONS (lb/size) 2=514/22-1-0, 12=514/22-1-0, 18=421/22-1-0, 19=337/22-1-0, 20=128/22-1-0, 21=629/22-1-0, 16=337/22-1-0, 15=128/22-1-0, 14=629/22-1-0
Max Horz 2=-111(load case 6)
Max Uplift2=-264(load case 5), 12=-281(load case 6), 18=-42(load case 5), 19=-141(load case 5), 20=-89(load case 5), 21=-236(load case 5), 16=-140(load case 6), 15=-87(load case 6), 14=-241(load case 6)
Max Grav 2=524(load case 9), 12=524(load case 10), 18=421(load case 1), 19=340(load case 9), 20=128(load case 1), 21=632(load case 9), 16=340(load case 10), 15=128(load case 1), 14=632(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-15/99, 2-3=-124/105, 3-4=-139/301, 4-5=-38/196, 5-6=-7/243, 6-7=0/228, 7-8=0/228, 8-9=0/243, 9-10=0/196, 10-11=-96/301, 11-12=-82/131, 12-13=-15/99
BOT CHORD 2-21=-163/196, 20-21=-163/196, 19-20=-163/196, 18-19=-163/196, 17-18=-163/196, 16-17=-163/196, 15-16=-163/196, 14-15=-163/196, 12-14=-163/196
WEBS 7-18=-369/54, 6-19=-264/168, 5-20=-121/113, 4-21=-467/287, 8-16=-264/168, 9-15=-121/113, 10-14=-467/287

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 264 lb uplift at joint 2, 281 lb uplift at joint 12, 42 lb uplift at joint 18, 141 lb uplift at joint 19, 89 lb uplift at joint 20, 236 lb uplift at joint 21, 140 lb uplift at joint 16, 87 lb uplift at joint 15 and 241 lb uplift at joint 14.
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: 1-7=-114(F=-60), 7-13=-114(F=-60), 2-12=-30

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

Dwg.#0406061239

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T02	HIP	1	1	Job Reference (optional)

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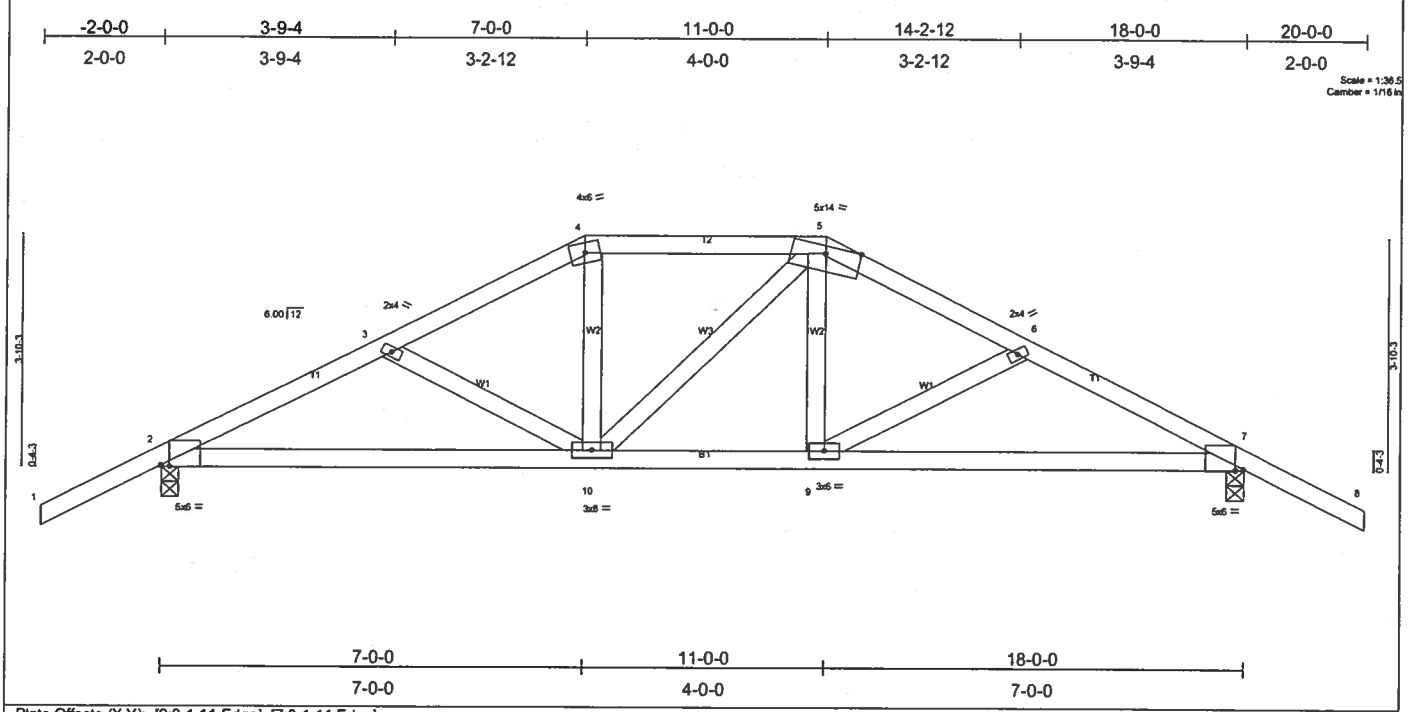

Plate Offsets (X,Y): [2:0-1-11,Edge], [7:0-1-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	-0.11	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.18	7-9	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.26	Horz(TL)	0.07	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 91 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 3-8-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-5-4 oc bracing.

REACTIONS (lb/size) 2=1591/0-3-8, 7=1591/0-3-8
Max Horz 2=-87(load case 5)
Max Uplift2=-736(load case 4), 7=-736(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2744/1132, 3-4=-2606/1103, 4-5=-2346/1041, 5-6=-2603/1103, 6-7=-2744/1133, 7-8=0/47
BOT CHORD 2-10=-960/2379, 9-10=-883/2343, 7-9=-905/2379
WEBS 3-10=-76/75, 4-10=-269/798, 5-10=-72/81, 5-9=-256/799, 6-9=-80/77

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; 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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 736 lb uplift at joint 2 and 736 lb uplift at joint 7.
5) Girder carries hip end with 7-0-0 end setback.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 277 lb up at 11-0-0, 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.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-5=-118(F=-64), 5-8=-54, 2-10=-30, 9-10=-65(F=-35), 7-9=-30
Concentrated Loads (lb)
Vert: 10=-539(F) 9=-539(F)

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061240

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T03	COMMON	2	1	Job Reference (optional)

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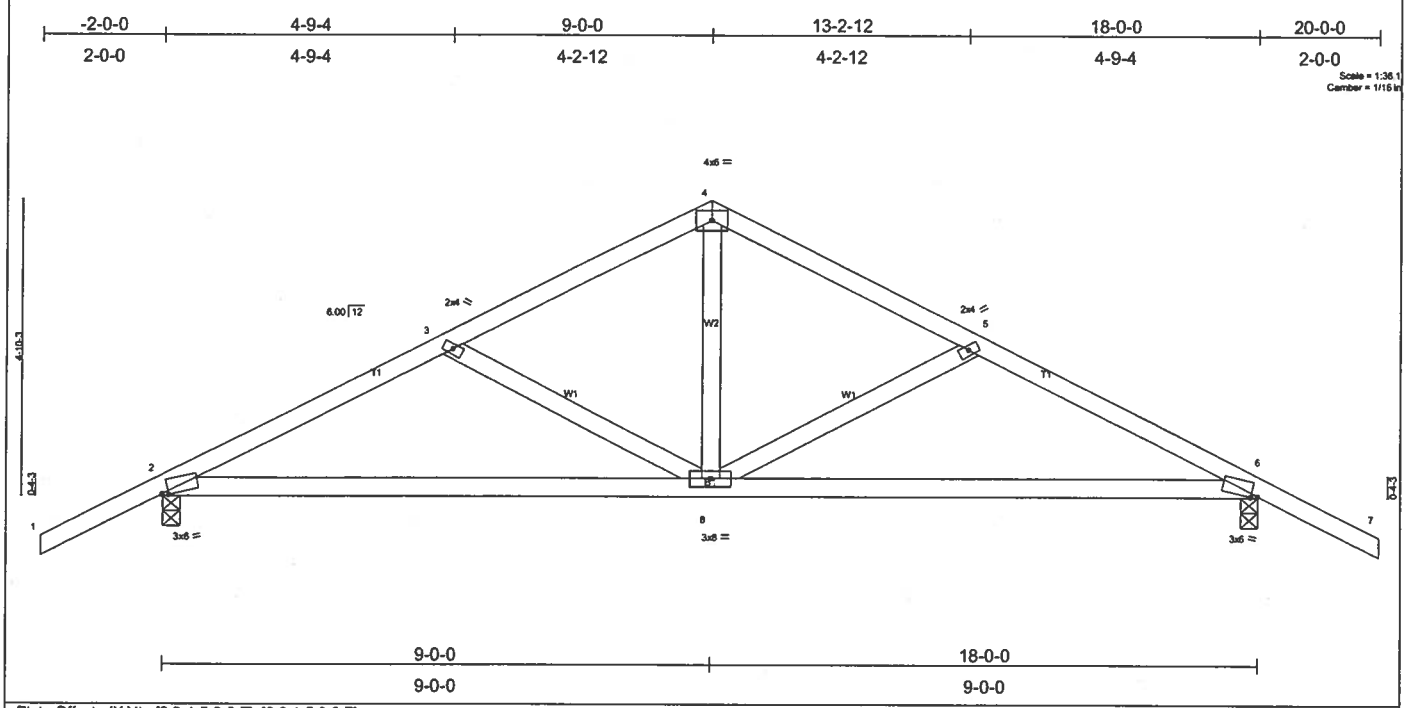


Plate Offsets (X,Y): [2:0-1-5,0-0-7], [6:0-1-5,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.12	2-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.20	2-8	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.17	Horz(TL)	0.03	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 84 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 5-7-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=860/0-3-8, 6=860/0-3-8
Max Horz 2=101(load case 5)
Max Uplift2=-368(load case 5), 6=-368(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1160/486, 3-4=-909/380, 4-5=-909/380, 5-6=-1160/486, 6-7=0/47
BOT CHORD 2-8=-293/996, 6-8=-273/996
WEBS 3-8=-282/215, 4-8=-129/534, 5-8=-282/215

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 368 lb uplift at joint 2 and 368 lb uplift at joint 6.

LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061241

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T04	COMMON	1	2	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 12:45:20 2006 Page 1

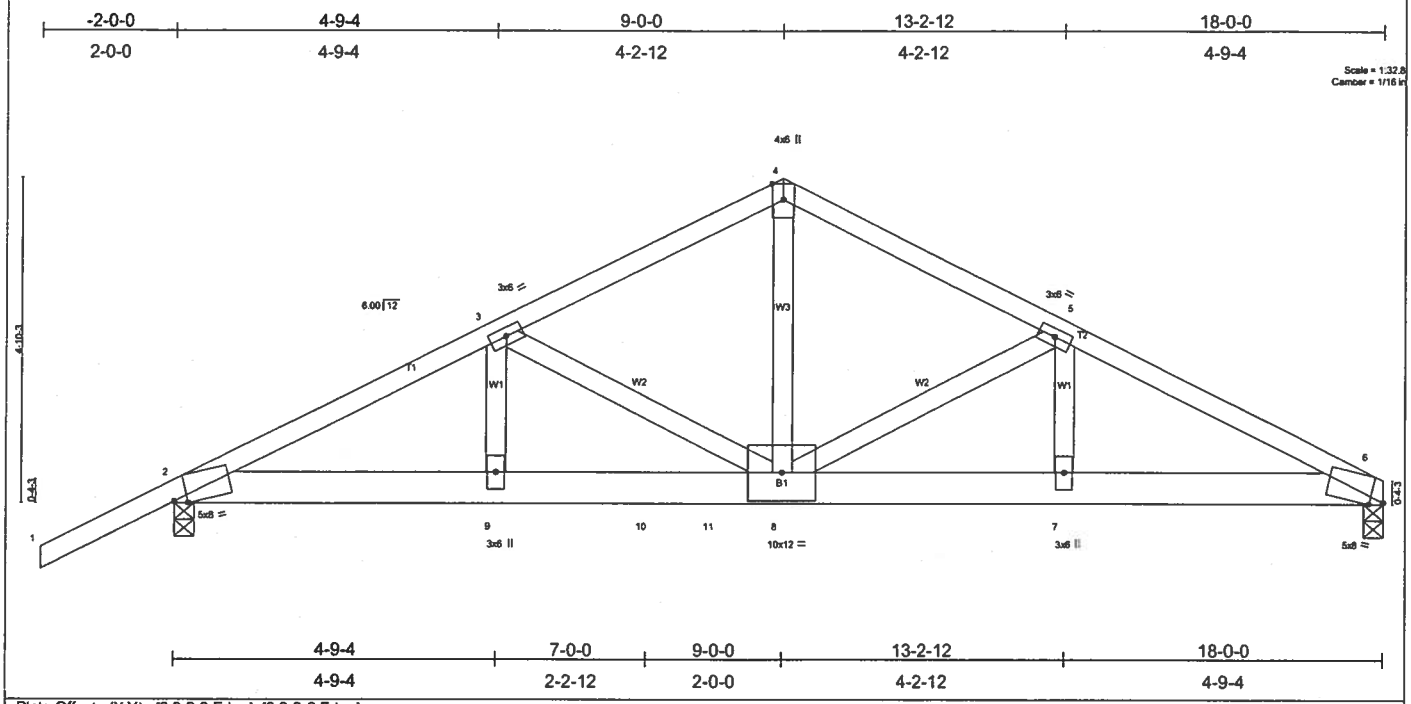


Plate Offsets (X,Y): [2:0-2-6,Edge], [6:0-2-6,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	-0.15	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.24	8-9	>895	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.78	Horz(TL)	0.06	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 202 lb	

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

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

REACTIONS (lb/size) 6=4864/0-3-8, 2=3474/0-3-8
Max Horz 2=130(load case 4)
Max Uplift6=-1797(load case 5), 2=-1356(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-7136/2560, 3-4=-5815/2177, 4-5=-5830/2166, 5-6=-8222/3024
BOT CHORD 2-9=-2275/6302, 9-10=-2275/6302, 10-11=-2275/6302, 8-11=-2275/6302, 7-8=-2641/7305, 6-7=-2641/7305
WEBS 3-9=-323/1073, 3-8=-1301/514, 4-8=-1790/4892, 5-8=-2450/990, 5-7=-770/2050

NOTES
1) 2-ply truss to be connected together with 0.131"x3" Nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-4-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1797 lb uplift at joint 6 and 1356 lb uplift at joint 2.
6) Girder carries tie-in span(s): 24-3-0 from 8-0-0 to 18-0-0
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2191 lb down and 827 lb up at 7-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

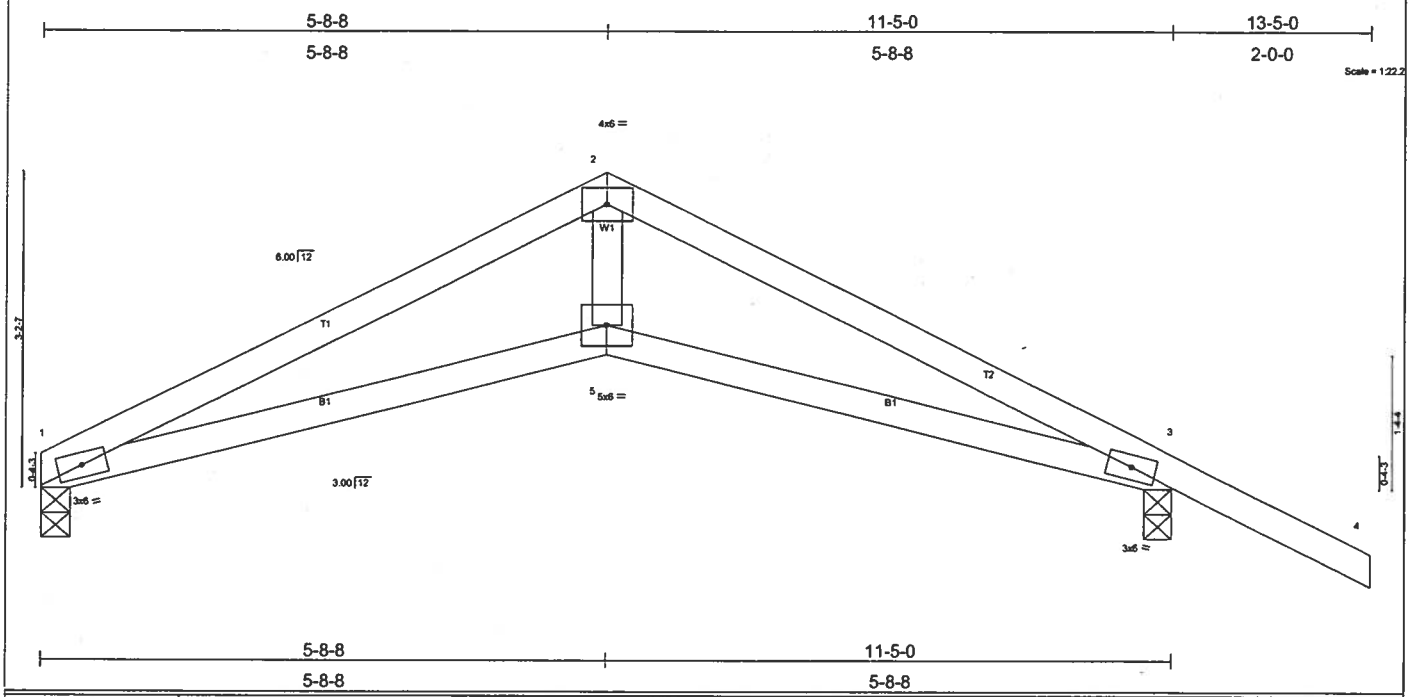
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-54, 4-6=-54, 2-11=-30, 6-11=-491(F=-461)
Concentrated Loads (lb)
Vert: 10=-2191(F)

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061242

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T05	SCISSOR	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 11:43:36 2006 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.07	1-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.11	1-5	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.22	Horz(TL)	0.06	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 42 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=456/0-3-8, 3=594/0-3-8
Max Horz 1=-101(load case 6)
Max Uplift1=-147(load case 5), 3=-286(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1141/377, 2-3=-1146/385, 3-4=0/46
BOT CHORD 1-5=-203/1012, 3-5=-200/1009
WEBS 2-5=-77/674

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Bearing at joint(s) 1, 3 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 147 lb uplift at joint 1 and 286 lb uplift at joint 3.

LOAD CASE(S) Standard

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Dwg.#0406061243

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T05G	SCISSOR	1	1	Job Reference (optional)

Builders FirstSource, Lake City, FI 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 12:17:03 2006 Page 1

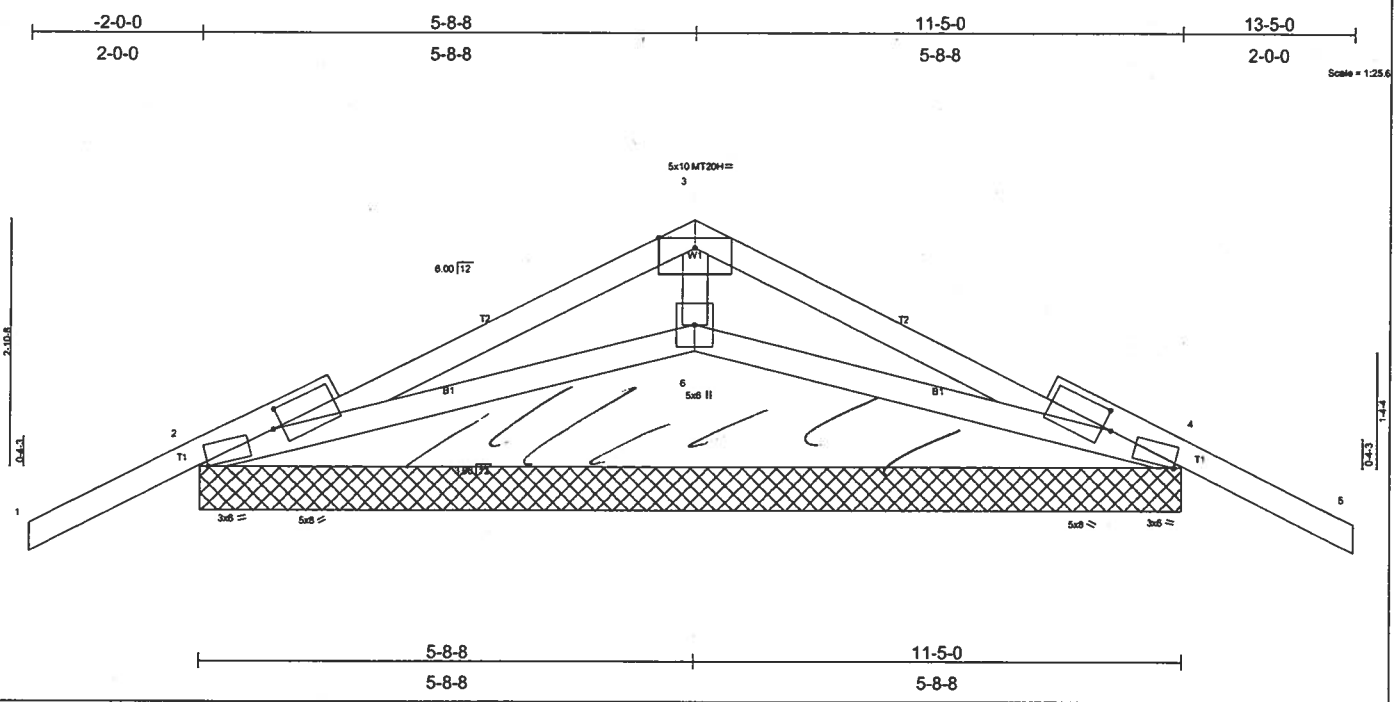

Plate Offsets (X,Y): [2:0-1-4,0-2-8], [2:0-9-13,Edge], [4:0-1-4,0-2-8], [4:0-9-13,Edge]

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)	0.01	5	n/r	120	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	0.01	4-5	n/r	90	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.11	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 47 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=603/11-5-0, 4=603/11-5-0, 6=894/11-5-0
Max Horz 2=72(load case 5)
Max Uplift2=-335(load case 5), 4=-359(load case 6), 6=-234(load case 5)
Max Grav 2=613(load case 9), 4=613(load case 10), 6=894(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-18/93, 2-3=-163/120, 3-4=-163/120, 4-5=-18/93
BOT CHORD 2-6=0/71, 4-6=0/71
WEBS 3-6=-662/378

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) All plates are MT20 plates unless otherwise indicated.
4) The following joint(s) require plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection: 3.
5) Gable requires continuous bottom chord bearing.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 335 lb uplift at joint 2, 359 lb uplift at joint 4 and 234 lb uplift at joint 6.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 4, 6.
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=-114(F=-60), 3-5=-114(F=-60), 2-6=-30, 4-6=-30

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

Dwg.#0406061244

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T06	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 12:29:12 2006 Page 1

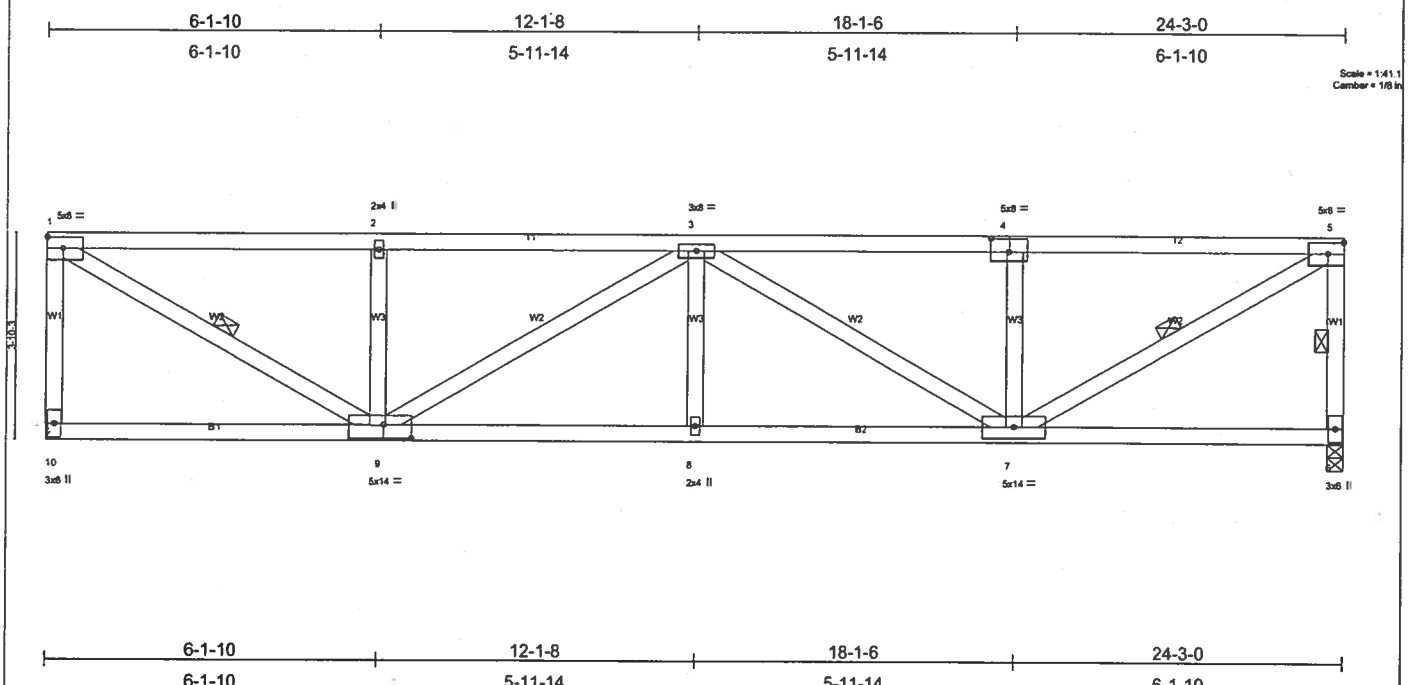

Plate Offsets (X,Y): [4:0-4-0,0-3-0], [9:0-6-4,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.98	Vert(LL)	-0.23	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.96	Vert(TL)	-0.37	7-8	>780	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.75	Horz(TL)	0.08	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 135 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.2 *Except*
W3 2 X 4 SYP No.3, W3 2 X 4 SYP No.3, W3 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 4-9-2 oc bracing.
WEBS 1 Row at midpt 5-6, 1-9, 5-7

REACTIONS (lb/size) 10=2191/Mechanical, 6=2191/0-3-8
Max Uplift10=-990(load case 2), 6=-990(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-10=-1985/1014, 1-2=-2962/1342, 2-3=-2938/1323, 3-4=-2926/1325, 4-5=-2903/1306, 5-6=-1990/1012
BOT CHORD 9-10=-60/137, 8-9=-1729/3826, 7-8=-1729/3826, 6-7=-65/138
WEBS 1-9=-1484/3269, 2-9=-723/601, 3-9=-1038/475, 3-8=0/387, 3-7=-1046/470, 4-7=-721/598, 5-7=-1444/3216

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
2) Provide adequate drainage to prevent water ponding.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 990 lb uplift at joint 10 and 990 lb uplift at joint 6.
5) Girder carries hip end with 0-0-0 right side setback, 0-0-0 left side setback, and 7-0-0 end setback.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-118(F=-64), 6-10=-65(F=-35)

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061245

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T07	MONO HIP	1	1	Job Reference (optional)

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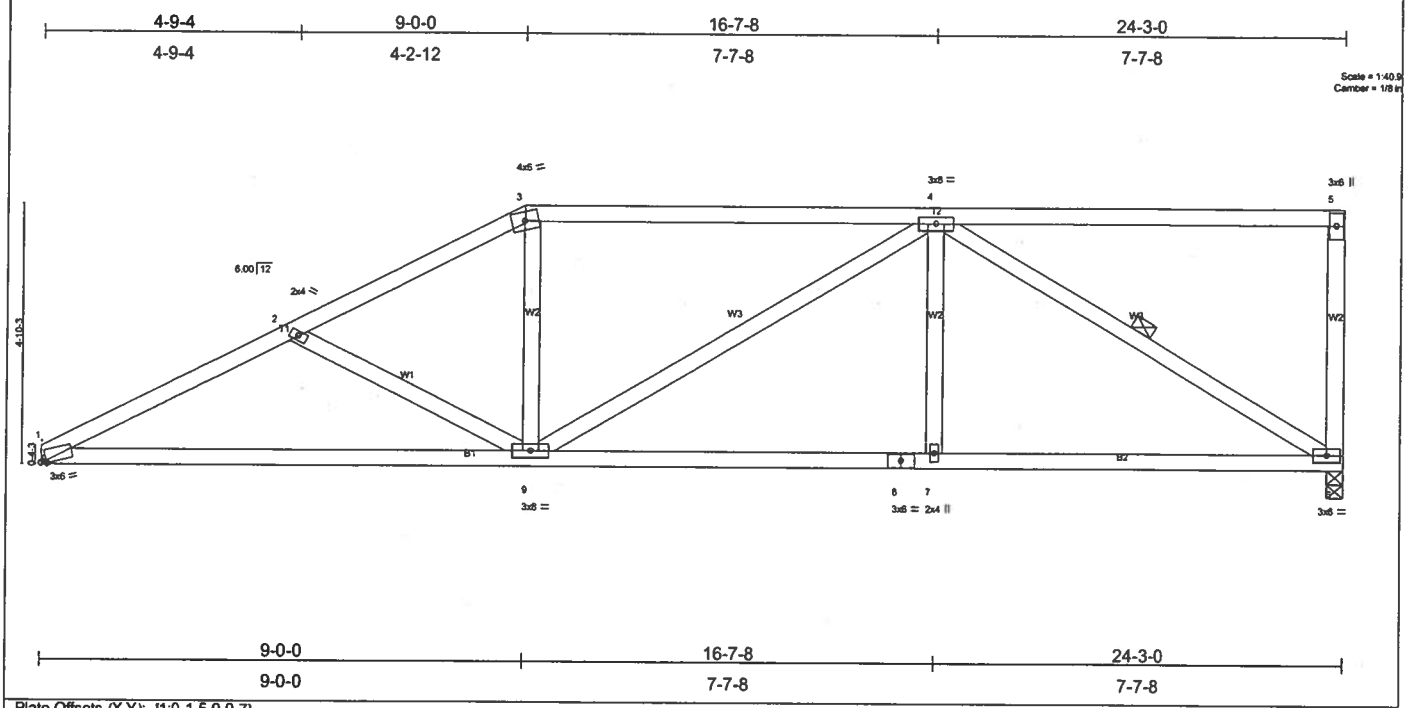

Plate Offsets (X,Y): [1:0-1-5,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.64	Vert(LL)	-0.20	1-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.33	1-9	>876	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 125 lb	

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

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

REACTIONS (lb/size) 1=1010/Mechanical, 6=1010/0-3-8
Max Horz 1=210(load case 5)
Max Uplift1=-295(load case 5), 6=-364(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1780/740, 2-3=-1523/612, 3-4=-1333/603, 4-5=-66/25, 5-6=-186/131
BOT CHORD 1-9=-823/1559, 8-9=-530/1231, 7-8=-530/1231, 6-7=-530/1231
WEBS 2-9=-266/247, 3-9=-25/332, 4-9=-102/119, 4-7=0/211, 4-6=-1364/591

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 295 lb uplift at joint 1 and 364 lb uplift at joint 6.

LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061246

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T08	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 12:29:49 2006 Page 1

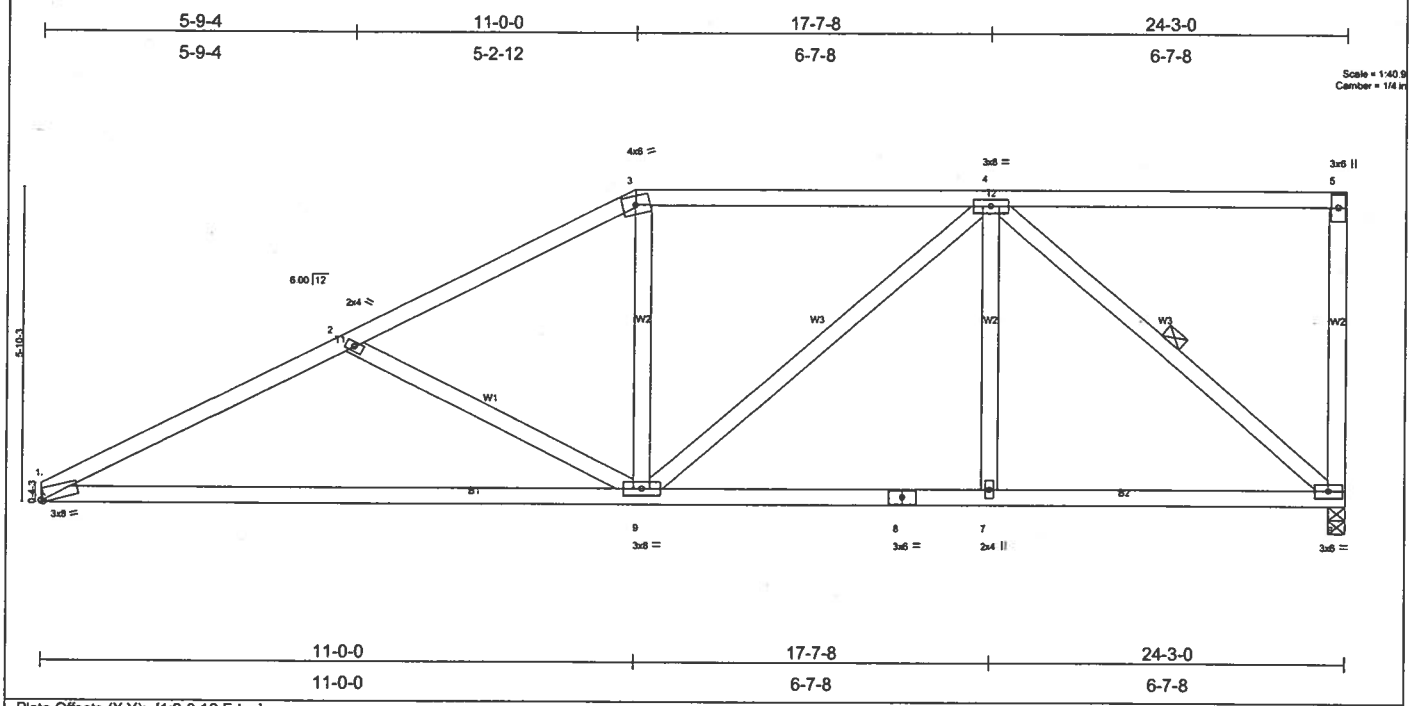

Plate Offsets (X,Y): [1:0-0-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.38	1-9	>761	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.68	Vert(TL)	-0.65	1-9	>446	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.41	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 131 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 3-11-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-8-13 oc bracing.
WEBS 1 Row at midpt 4-6

REACTIONS (lb/size) 1=1010/Mechanical, 6=1010/0-3-8
Max Horz 1=256(load case 5)
Max Uplift1=-302(load case 5), 6=-355(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1708/711, 2-3=-1358/534, 3-4=-1159/536, 4-5=-39/14, 5-6=-159/112
BOT CHORD 1-9=-837/1497, 8-9=-408/910, 7-8=-408/910, 6-7=-408/910
WEBS 2-9=-388/337, 3-9=0/272, 4-9=-169/328, 4-7=0/154, 4-6=-1147/519

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 302 lb uplift at joint 1 and 355 lb uplift at joint 6.

LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061247

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T09	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 12:30:10 2006 Page 1

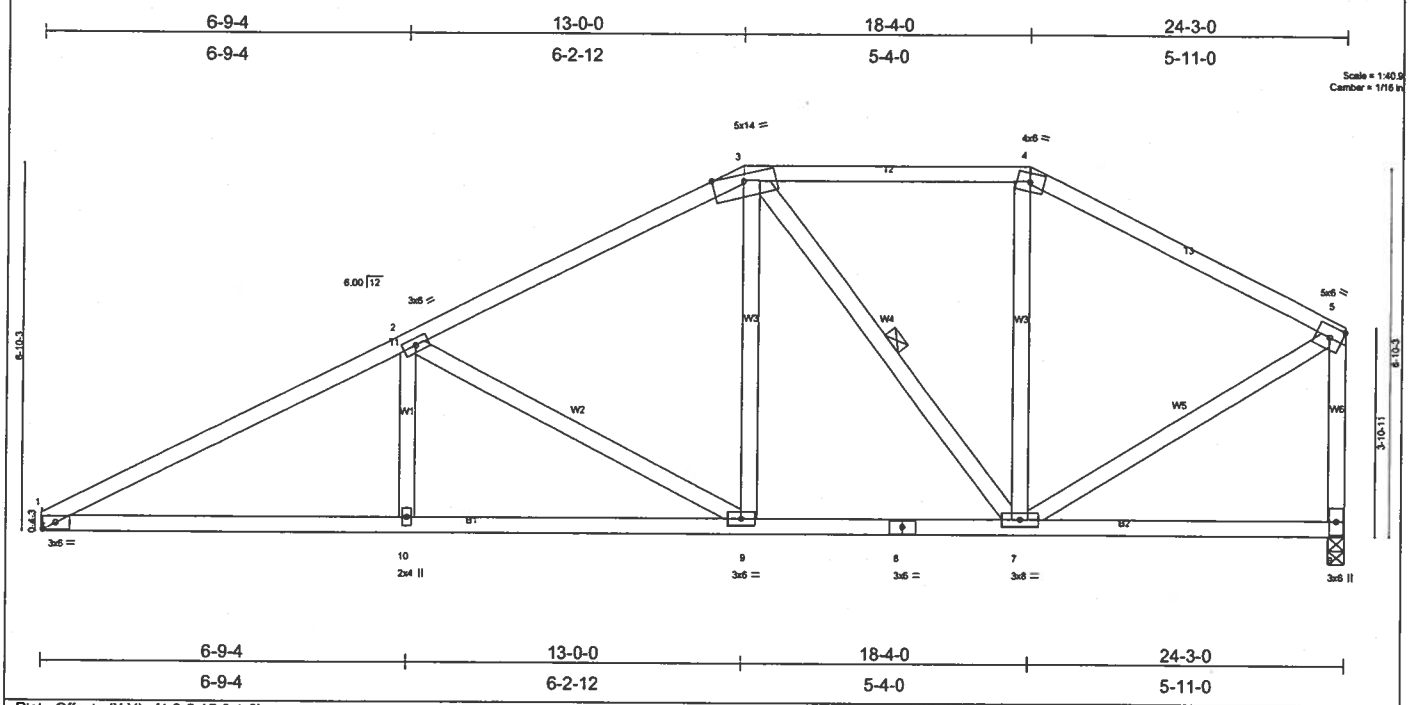


Plate Offsets (X,Y): [1:0-2-12,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	-0.11	1-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.19	1-10	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.61	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 136 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-0-8 oc bracing.
WEBS 1 Row at midpt 3-7

REACTIONS (lb/size) 1=1010/Mechanical, 6=1010/0-3-8
Max Horz 1=209(load case 5)
Max Uplift1=-324(load case 5), 6=-284(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1774/727, 2-3=-1137/531, 3-4=-718/429, 4-5=-870/408, 5-6=-919/451
BOT CHORD 1-10=-741/1531, 9-10=-741/1531, 8-9=-393/954, 7-8=-393/954, 6-7=-33/53
WEBS 2-10=0/237, 2-9=-667/399, 3-9=-153/474, 3-7=-434/179, 4-7=-28/137, 5-7=-294/780

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 324 lb uplift at joint 1 and 284 lb uplift at joint 6.

LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061248

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T10	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 15:47:40 2006 Page 1

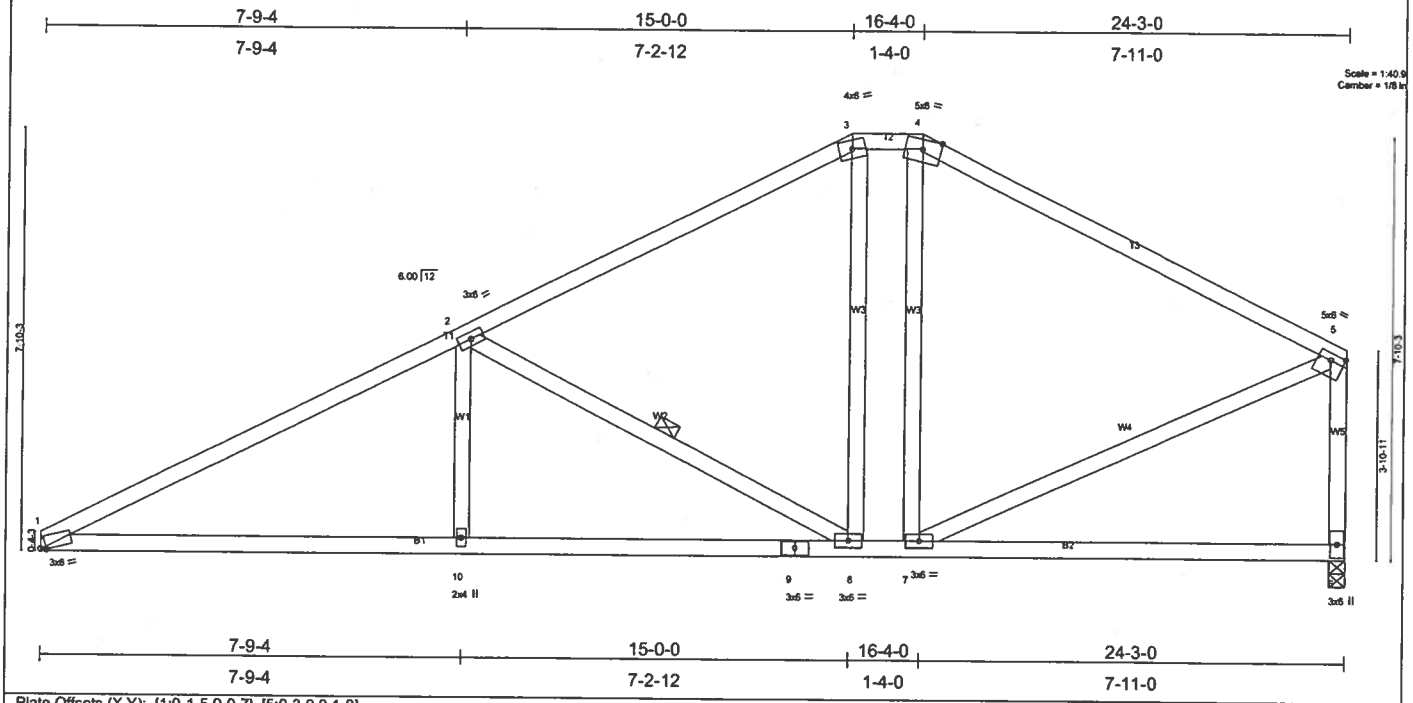


Plate Offsets (X,Y): [1:0-1-5,0-0-7], [5:0-3-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.86	Vert(LL)	-0.17	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.27	1-10	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.36	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 133 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 4-2-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-0-1 oc bracing.
WEBS 1 Row at midpt 2-8

REACTIONS (lb/size) 1=1010/Mechanical, 6=1010/0-3-8
Max Horz 1=223(load case 5)
Max Uplift1=-332(load case 5), 6=-303(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1743/717, 2-3=-956/476, 3-4=-772/500, 4-5=-952/460, 5-6=-900/470
BOT CHORD 1-10=-720/1482, 9-10=-720/1482, 8-9=-720/1482, 7-8=-302/772, 6-7=-55/106
WEBS 2-10=0/302, 2-8=-834/477, 3-8=-148/329, 4-7=-101/180, 5-7=-274/750

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 332 lb uplift at joint 1 and 303 lb uplift at joint 6.

LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061249

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T11	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 15:47:47 2006 Page 1

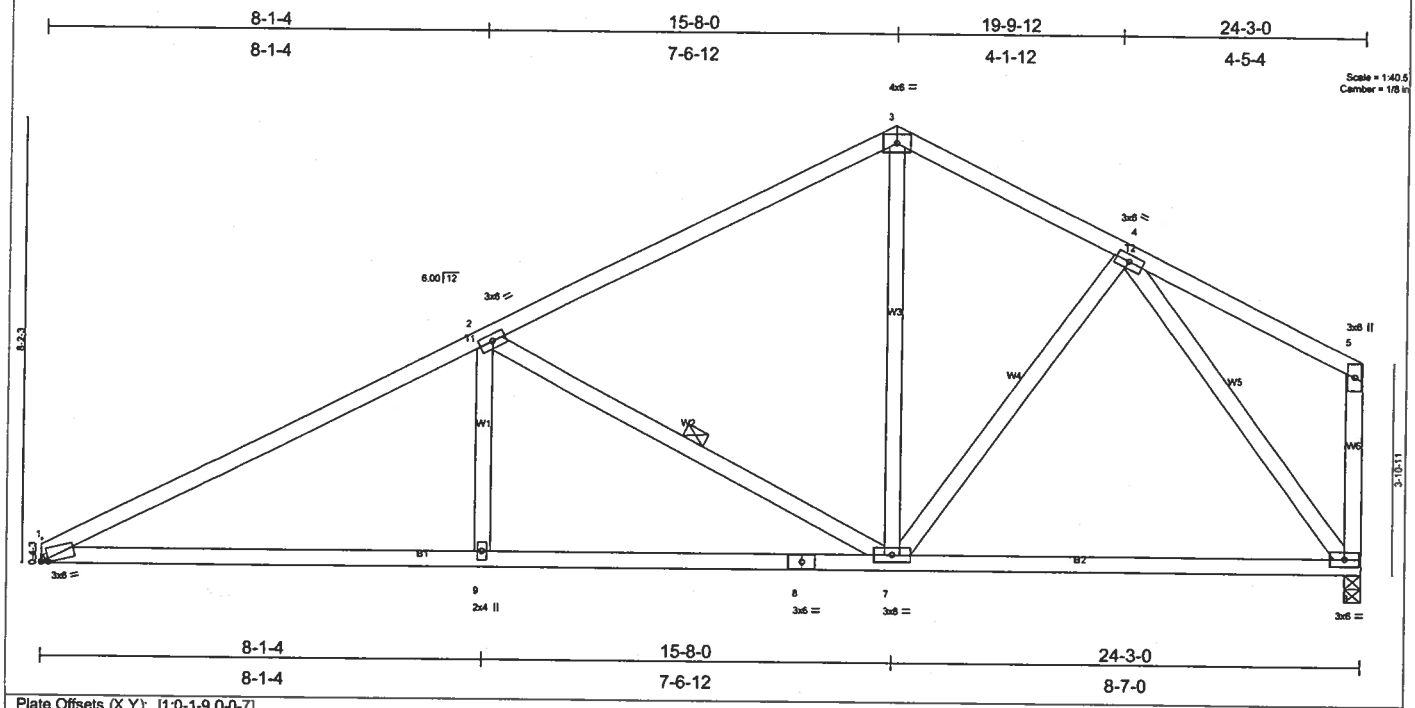


Plate Offsets (X,Y): [1:0-1-9,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.20	1-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.32	1-9	>892	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.79	Horz(TL)	0.05	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 131 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 4-1-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-11-15 oc bracing.
WEBS 1 Row at midpt 2-7

REACTIONS (lb/size) 1=1010/Mechanical, 6=1010/0-3-8
Max Horz 1=228(load case 5)
Max Uplift1=-334(load case 5), 6=-311(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1711/710, 2-3=-933/468, 3-4=-870/488, 4-5=-129/79, 5-6=-158/119
BOT CHORD 1-9=-709/1451, 8-9=-709/1451, 7-8=-709/1451, 6-7=-270/596
WEBS 2-9=0/272, 2-7=-808/488, 3-7=-159/416, 4-7=-59/310, 4-6=-900/440

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 334 lb uplift at joint 1 and 311 lb uplift at joint 6.

LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

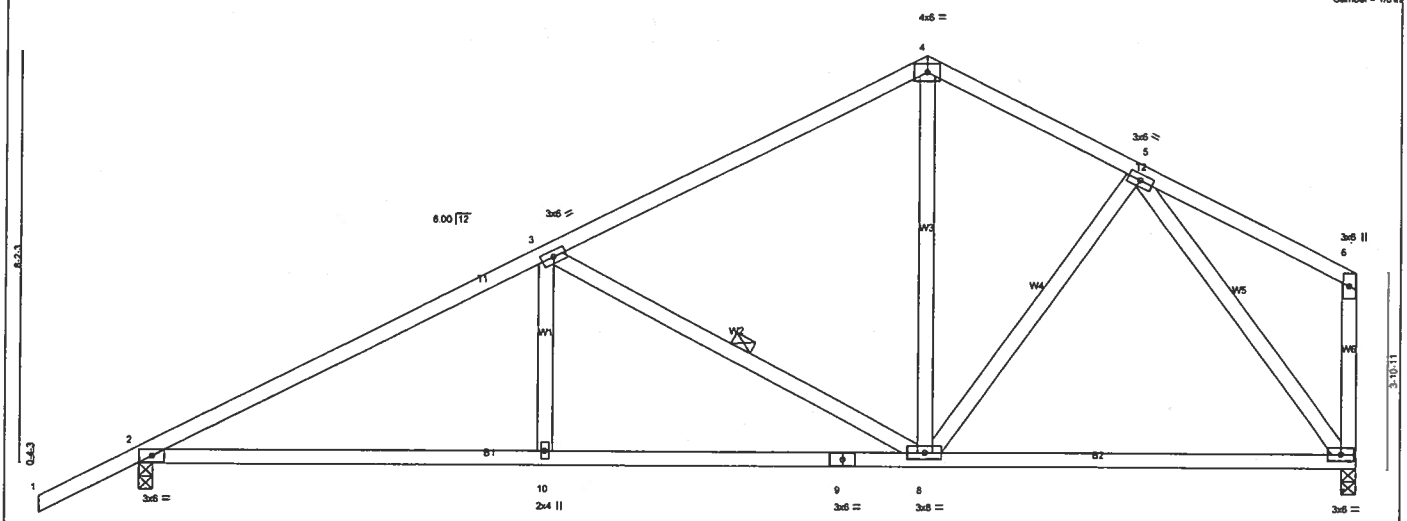
Dwg.#0406061250

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T12	COMMON	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 15:47:56 2006 Page 1

-2-0-0 | 8-1-4 | 15-8-0 | 19-9-12 | 24-3-0
2-0-0 | 8-1-4 | 7-6-12 | 4-1-12 | 4-5-4

Scale = 1:43.8
Camber = 1/8 in



8-1-4 | 15-8-0 | 24-3-0
8-1-4 | 7-6-12 | 8-7-0

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.16	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.27	2-10	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.79	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 135 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-10 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-8-9 oc bracing.
WEBS 1 Row at midpt 3-8

REACTIONS (lb/size) 2=1127/0-3-8, 7=1001/0-3-8
Max Horz 2=290(load case 5)
Max Uplift2=-459(load case 5), 7=-303(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1669/658, 3-4=-923/457, 4-5=-860/477, 5-6=-128/78, 6-7=-158/119
BOT CHORD 2-10=-655/1407, 9-10=-655/1407, 8-9=-655/1407, 7-8=-263/590
WEBS 3-10=0/257, 3-8=-768/436, 4-8=-143/403, 5-8=-58/308, 5-7=-890/429

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 459 lb uplift at joint 2 and 303 lb uplift at joint 7.

LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061251

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T13	MONO HIP	1	1	Job Reference (optional)

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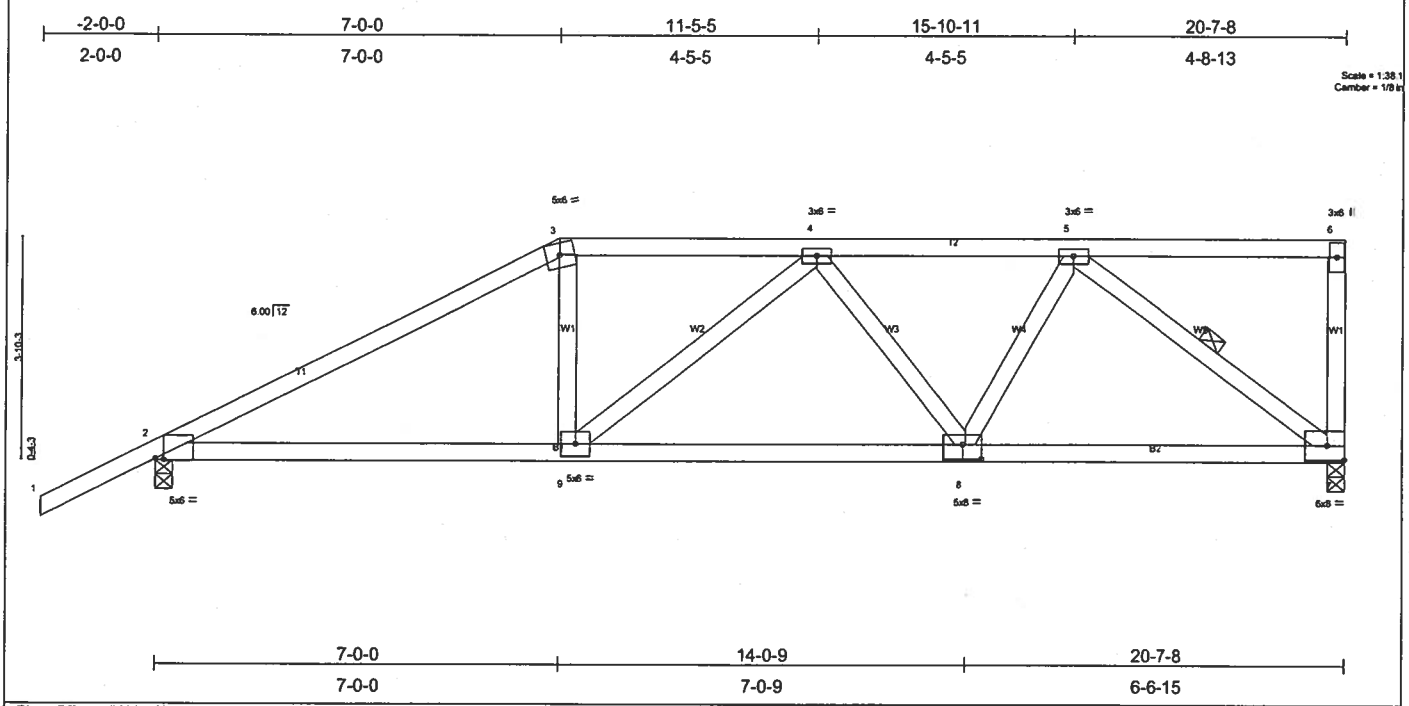


Plate Offsets (X,Y): [2:0-1-11,Edge], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.63	Vert(LL)	-0.19	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-0.32	8-9	>763	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.52	Horz(TL)	0.08	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 104 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-6-10 oc bracing.
WEBS 1 Row at midpt 5-7

REACTIONS (lb/size) 7=1923/0-3-8, 2=1768/0-3-8
Max Horz 2=227(load case 4)
Max Uplift7=-863(load case 3), 2=-784(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-3131/1279, 3-4=-2749/1190, 4-5=-2458/1043, 5-6=-94/27, 6-7=-263/203
BOT CHORD 2-9=-1178/2711, 8-9=-1291/2795, 7-8=-920/1982
WEBS 3-9=-328/928, 4-9=-60/198, 4-8=-571/421, 5-8=-266/1033, 5-7=-2389/1129

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; Lumber DOL=1.60 plate grip DOL=1.60.
2) Provide adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 863 lb uplift at joint 7 and 784 lb uplift at joint 2.
4) Girder carries hip end with 0-0-0 right side setback, 7-0-0 left side setback, and 7-0-0 end setback.
5) 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.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

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

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

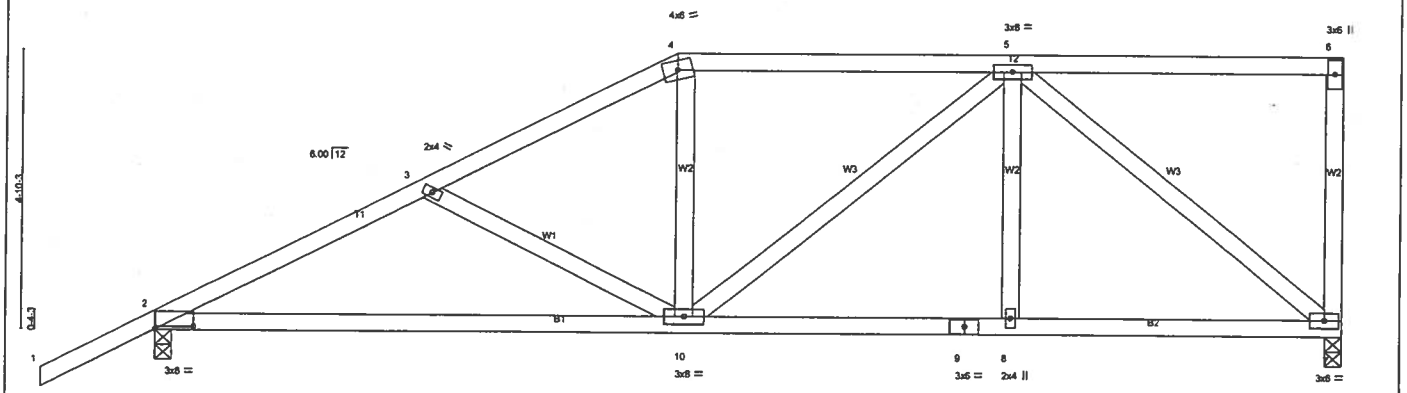
Dwg.#0406061252

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T14	MONO HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 15:48:58 2006 Page 1

-2-0-0 | 4-9-4 | 9-0-0 | 14-9-12 | 20-7-8
2-0-0 | 4-9-4 | 4-2-12 | 5-9-12 | 5-9-12

Scale = 1:38.1
Camber = 1/8 in



9-0-0 | 14-9-12 | 20-7-8
9-0-0 | 5-9-12 | 5-9-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.15	2-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.26	2-10	>923	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.03	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 113 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 5-0-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-10-13 oc bracing.

REACTIONS (lb/size) 7=848/0-3-8, 2=976/0-3-8
Max Horz 2=272(load case 5)
Max Uplift7=-300(load case 4), 2=-382(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1394/533, 3-4=-1144/426, 4-5=-984/434, 5-6=-37/13, 6-7=-141/99
BOT CHORD 2-10=-623/1205, 9-10=-350/806, 8-9=-350/806, 7-8=-350/806
WEBS 3-10=-257/211, 4-10=0/217, 5-10=-107/229, 5-8=0/145, 5-7=-987/432

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 300 lb uplift at joint 7 and 382 lb uplift at joint 2.

LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061253

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T15	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 15:49:08 2006 Page 1

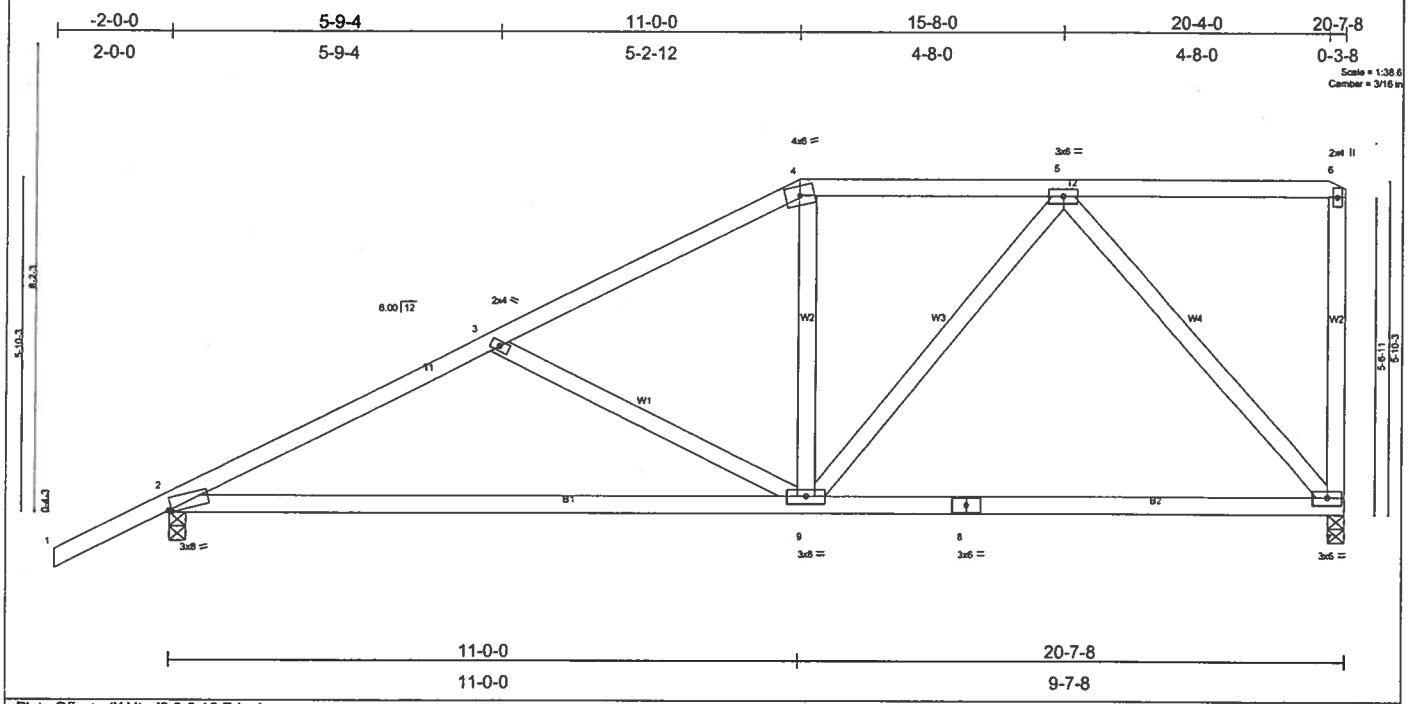


Plate Offsets (X,Y): [2:0-0-10,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.28	2-9	>865	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.49	2-9	>500	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.76	Horz(TL)	0.03	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 112 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 4-10-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-9-10 oc bracing.

REACTIONS (lb/size) 2=976/0-3-8, 7=848/0-3-8
Max Horz 2=318(load case 5)
Max Uplift2=-385(load case 5), 7=-290(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-1340/510, 3-4=-1004/353, 4-5=-838/373, 5-6=-37/4, 6-7=-126/85
BOT CHORD 2-9=-645/1158, 8-9=-271/558, 7-8=-271/558
WEBS 3-9=-366/304, 4-9=0/159, 5-9=-162/442, 5-7=-796/408

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 385 lb uplift at joint 2 and 290 lb uplift at joint 7.

LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061254

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T16	HIP	1	1	

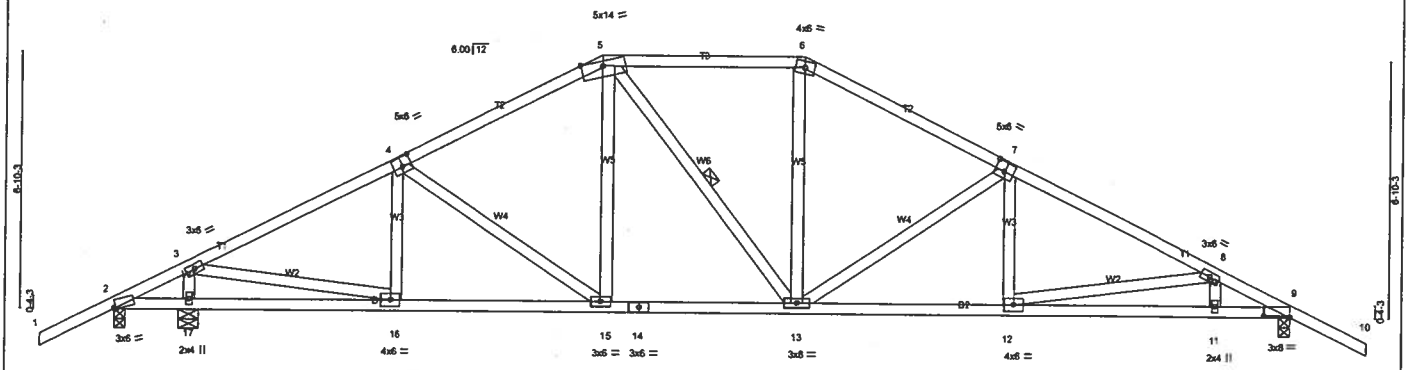
Builders FirstSource, Lake City, Fl 32055

Job Reference (optional)

6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 15:49:18 2006 Page 1

-2-0-0	1-11-12	7-5-14	13-0-0	18-4-0	23-10-2	29-4-4	31-4-0	33-4-0
2-0-0	1-11-12	5-6-2	5-6-2	5-4-0	5-6-2	5-6-2	1-11-12	2-0-0

Scale = 1:58.6
Camber = 1/16 in



1-11-12	7-5-14	13-0-0	18-4-0	23-10-2	29-4-4	31-4-0
1-11-12	5-6-2	5-6-2	5-4-0	5-6-2	5-6-2	1-11-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.11	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.18	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.06	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 183 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 4-1-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-13

REACTIONS (lb/size) 2=67/0-3-8, 17=1437/0-6-7, 9=1335/0-3-8
Max Horz 2=-129(load case 6)
Max Uplift2=-171(load case 5), 17=-431(load case 5), 9=-514(load case 6)
Max Grav 2=100(load case 9), 17=1437(load case 1), 9=1335(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-96/186, 3-4=-1649/721, 4-5=-1488/717, 5-6=-1343/722, 6-7=-1561/742, 7-8=-2066/866, 8-9=-2260/822, 9-10=0/47
BOT CHORD 2-17=-135/116, 16-17=-135/116, 15-16=-439/1416, 14-15=-289/1278, 13-14=-289/1278, 12-13=-570/1790, 11-12=-611/1953, 9-11=-611/1953
WEBS 3-17=-1309/597, 3-16=-553/1562, 4-16=-127/140, 4-15=-212/185, 5-15=-75/283, 5-13=-83/223, 6-13=-117/384, 7-13=-552/317, 7-12=0/224, 8-12=-182/68, 8-11=0/126

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 171 lb uplift at joint 2, 431 lb uplift at joint 17 and 514 lb uplift at joint 9.

LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061255

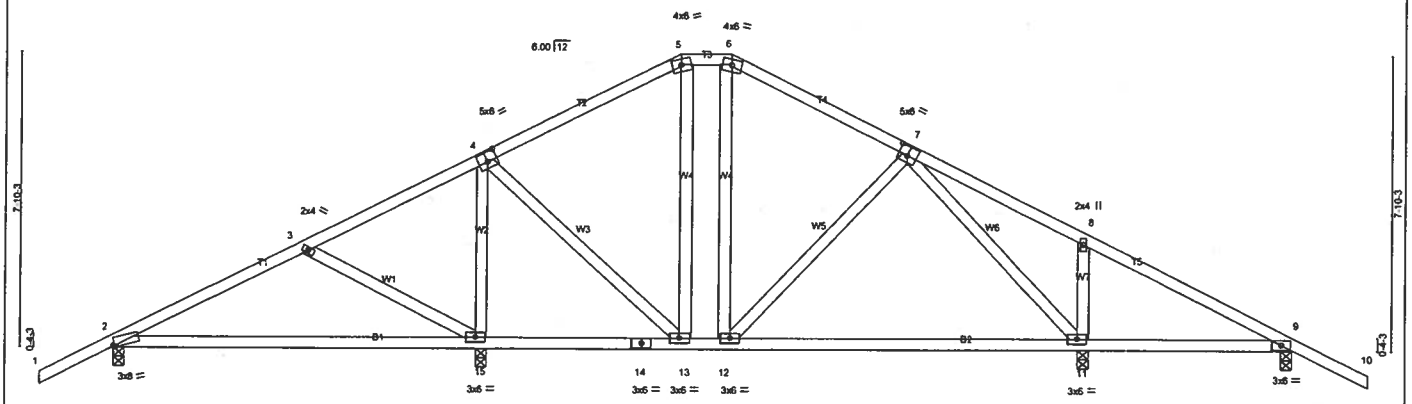
Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T17	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 15:49:43 2006 Page 1

-2-0-0 | 5-1-10 | 9-8-12 | 15-0-0 | 16-4-0 | 21-0-10 | 25-9-4 | 31-4-0 | 33-4-0

2-0-0 | 5-1-10 | 4-7-2 | 5-3-4 | 1-4-0 | 4-8-10 | 4-8-10 | 5-6-12 | 2-0-0

Scale = 1:58.6
Camber = 1/8 in



9-8-12 | 15-0-0 | 16-4-0 | 25-9-4 | 31-4-0

9-8-12 | 5-3-4 | 1-4-0 | 9-5-4 | 5-6-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	0.38	2-15	>305	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	0.30	2-15	>380	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.65	Horz(TL)	0.01	11	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 176 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, Except:
6-0-0 oc bracing: 9-11.

REACTIONS (lb/size) 2=573/0-3-8, 15=947/0-3-8, 11=1101/0-3-8, 9=218/0-3-8
Max Horz 2=-143(load case 6)
Max Uplift2=-342(load case 5), 15=-535(load case 5), 11=-415(load case 6), 9=-257(load case 6)
Max Grav 2=573(load case 1), 15=947(load case 1), 11=1108(load case 10), 9=218(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-512/293, 3-4=-258/156, 4-5=-453/277, 5-6=-353/305, 6-7=-461/285, 7-8=0/260, 8-9=-76/271, 9-10=0/47
BOT CHORD 2-15=-126/427, 14-15=0/214, 13-14=0/214, 12-13=0/353, 11-12=0/336, 9-11=-182/206
WEBS 3-15=-330/343, 4-15=-550/303, 4-13=-47/288, 5-13=-200/79, 6-12=-57/203, 7-12=0/161, 7-11=-753/237, 8-11=-273/289

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 342 lb uplift at joint 2, 535 lb uplift at joint 15, 415 lb uplift at joint 11 and 257 lb uplift at joint 9.

LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

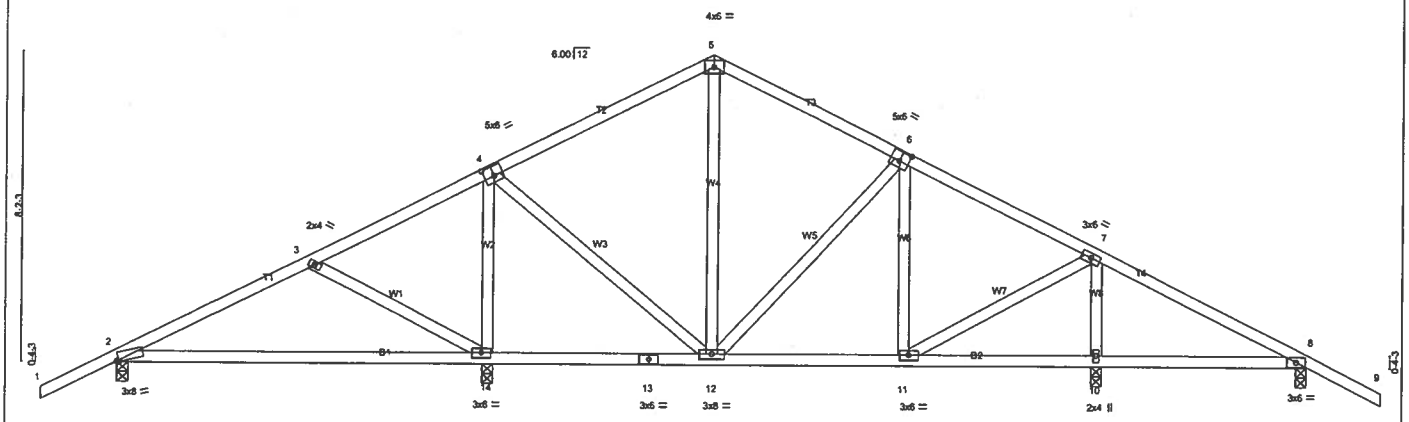
Dwg.#0406061256

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T18	COMMON	5	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 15:49:53 2006 Page 1

-2-0-0	5-1-10	9-8-12	15-8-0	20-8-10	25-9-4	31-4-0	33-4-0
2-0-0	5-1-10	4-7-2	5-11-4	5-0-10	5-0-10	5-6-12	2-0-0

Scale = 1:58.0
Camber = 1/8 in



9-8-12	15-8-0	20-8-10	25-9-4	31-4-0
9-8-12	5-11-4	5-0-10	5-0-10	5-6-12

Plate Offsets (X,Y): [2:0-0-10,Edge], [4:0-3-0,0-3-0], [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	0.29	Vert(LL)	0.38	2-14	>302	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	0.31	2-14	>371	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.33	Horz(TL)	0.01	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 172 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
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 6-0-0 oc bracing.

REACTIONS (lb/size) 2=454/0-3-8, 14=1171/0-3-8, 10=893/0-3-8, 8=321/0-3-8
Max Horz 2=-148(load case 6)
Max Uplift2=-338(load case 5), 14=-549(load case 5), 10=-342(load case 6), 8=-297(load case 6)
Max Grav 2=460(load case 9), 14=1171(load case 1), 10=893(load case 1), 8=326(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-268/205, 3-4=-54/153, 4-5=-375/263, 5-6=-361/271, 6-7=-500/277, 7-8=-66/79, 8-9=0/47
BOT CHORD 2-14=-117/209, 13-14=-72/244, 12-13=-72/244, 11-12=0/389, 10-11=-23/105, 8-10=-23/105
WEBS 3-14=-321/338, 4-14=-756/383, 4-12=-87/451, 5-12=-31/51, 6-12=-206/189, 6-11=-71/60, 7-11=-62/453, 7-10=-720/362

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 338 lb uplift at joint 2, 549 lb uplift at joint 14, 342 lb uplift at joint 10 and 297 lb uplift at joint 8.

LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

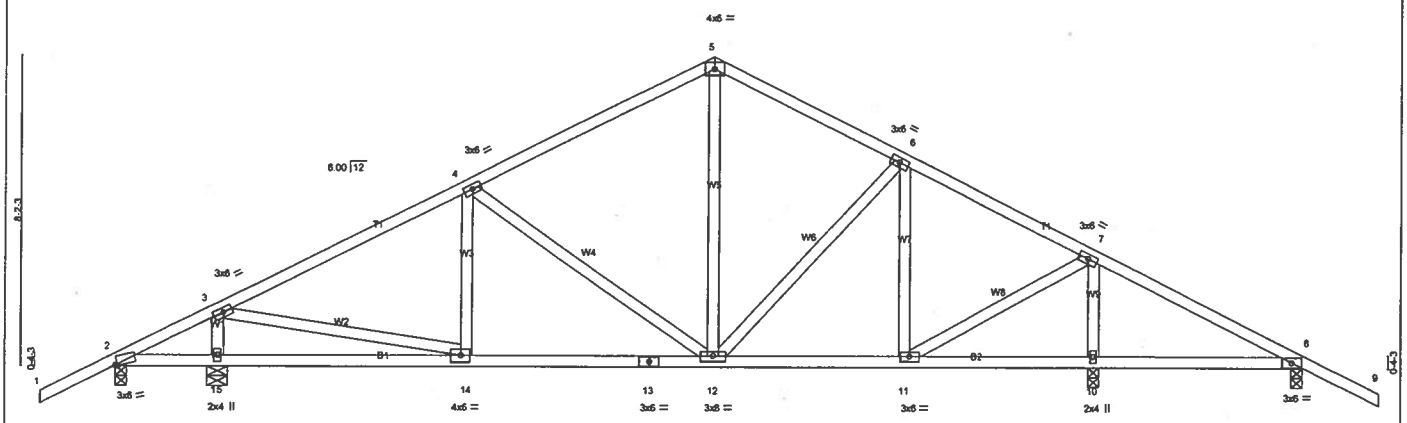
Dwg.#0406061257

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T19	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 15:50:03 2006 Page 1

-2-0-0	2-7-12	9-1-14	15-8-0	20-8-10	25-9-4	31-4-0	33-4-0
2-0-0	2-7-12	6-6-2	6-6-2	5-0-10	5-0-10	5-6-12	2-0-0

Scale = 1:58.0



2-7-12	9-1-14	15-8-0	20-8-10	25-9-4	31-4-0
2-7-12	6-6-2	6-6-2	5-0-10	5-0-10	5-6-12

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	0.29	Vert(LL)	-0.06	12-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.31	Vert(TL)	-0.10	12-14	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.46	Horz(TL)	0.02	10	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 176 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 5-6-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 2=208/0-3-8, 15=1067/0-6-7, 10=1323/0-3-8, 8=242/0-3-8
Max Horz 2=-148(load case 6)
Max Uplift2=-194(load case 5), 15=-383(load case 5), 10=-456(load case 6), 8=-278(load case 6)
Max Grav 2=212(load case 9), 15=1067(load case 1), 10=1323(load case 1), 8=272(load case 10)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-83/112, 3-4=-1176/546, 4-5=-838/488, 5-6=-812/497, 6-7=-779/416, 7-8=-46/245, 8-9=0/47
BOT CHORD 2-15=-22/87, 14-15=-22/87, 13-14=-281/985, 12-13=-281/985, 11-12=-75/637, 10-11=-154/164, 8-10=-154/164
WEBS 3-15=-928/483, 3-14=-310/948, 4-14=0/106, 4-12=-414/276, 5-12=-181/356, 6-12=-52/146, 6-11=-309/184, 7-11=-273/906, 7-10=-1143/557

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 194 lb uplift at joint 2, 383 lb uplift at joint 15, 456 lb uplift at joint 10 and 278 lb uplift at joint 8.

LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Dwg.#0406061258

Job	Truss	Truss Type	Qty	Ply	WOODMAN PARK BLDRS.INC.
L158385	T20	COMMON	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Apr 04 12:43:25 2006 Page 1

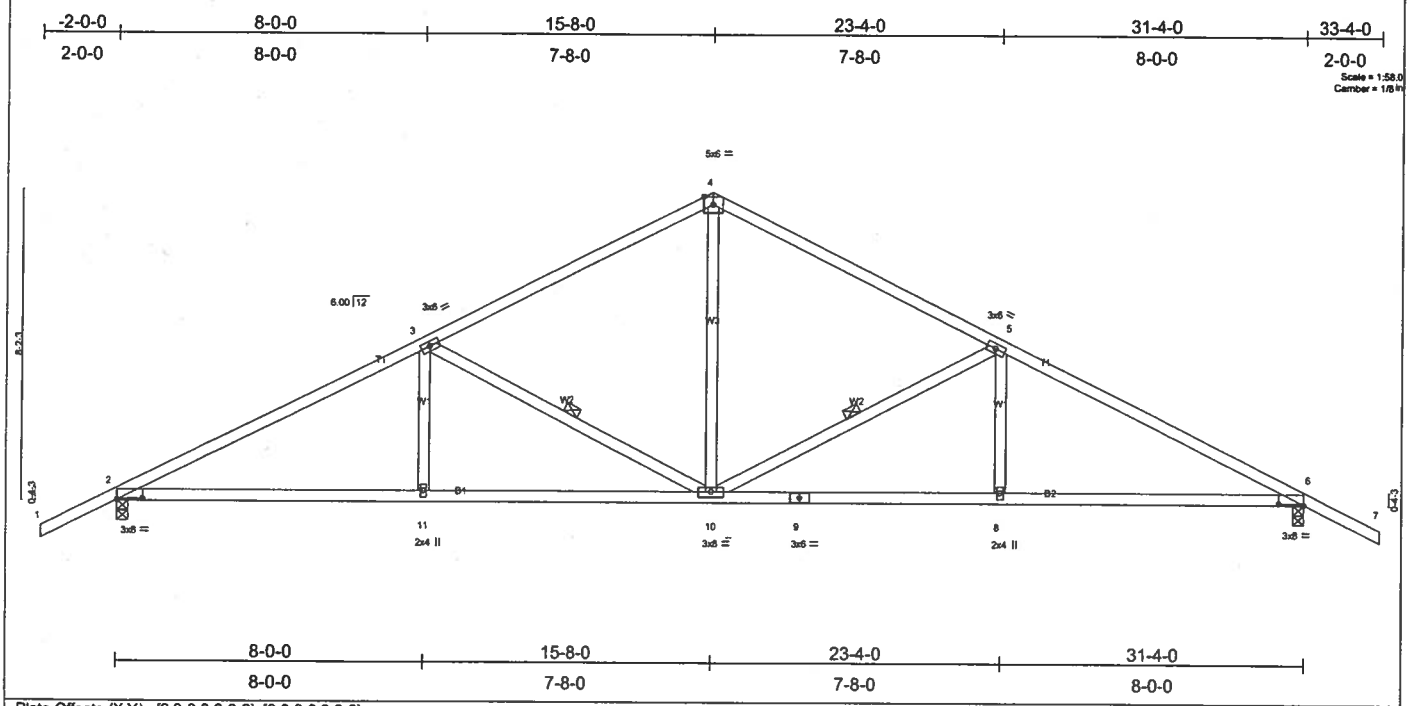


Plate Offsets (X,Y): [2:0-8-0,0-0-6], [6:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.48	Vert(LL)	-0.19	2-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.30	2-11	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.37	Horz(TL)	0.10	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 153 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-8-13 oc bracing.
WEBS 1 Row at midpt 3-10, 5-10

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

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-2313/952, 3-4=-1569/759, 4-5=-1569/759, 5-6=-2313/952, 6-7=0/47
BOT CHORD 2-11=-653/1979, 10-11=-653/1979, 9-10=-653/1979, 8-9=-653/1979, 6-8=-653/1979
WEBS 3-11=0/262, 3-10=-773/417, 4-10=-342/914, 5-10=-773/417, 5-8=0/262

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 548 lb uplift at joint 2 and 548 lb uplift at joint 6.

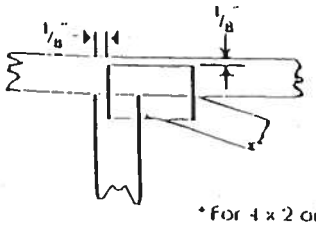
LOAD CASE(S) Standard

APRIL 06, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Symbols

PLATE LOCATION AND ORIENTATION

* Center plate on joint unless 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

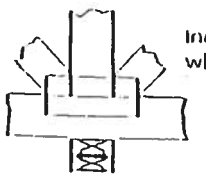
4 X 4

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

LATERAL BRACING

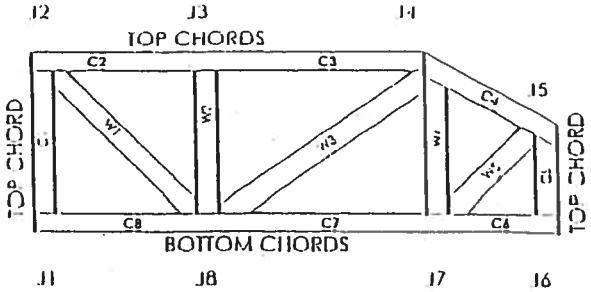
Indicates location of required continuous lateral bracing.

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

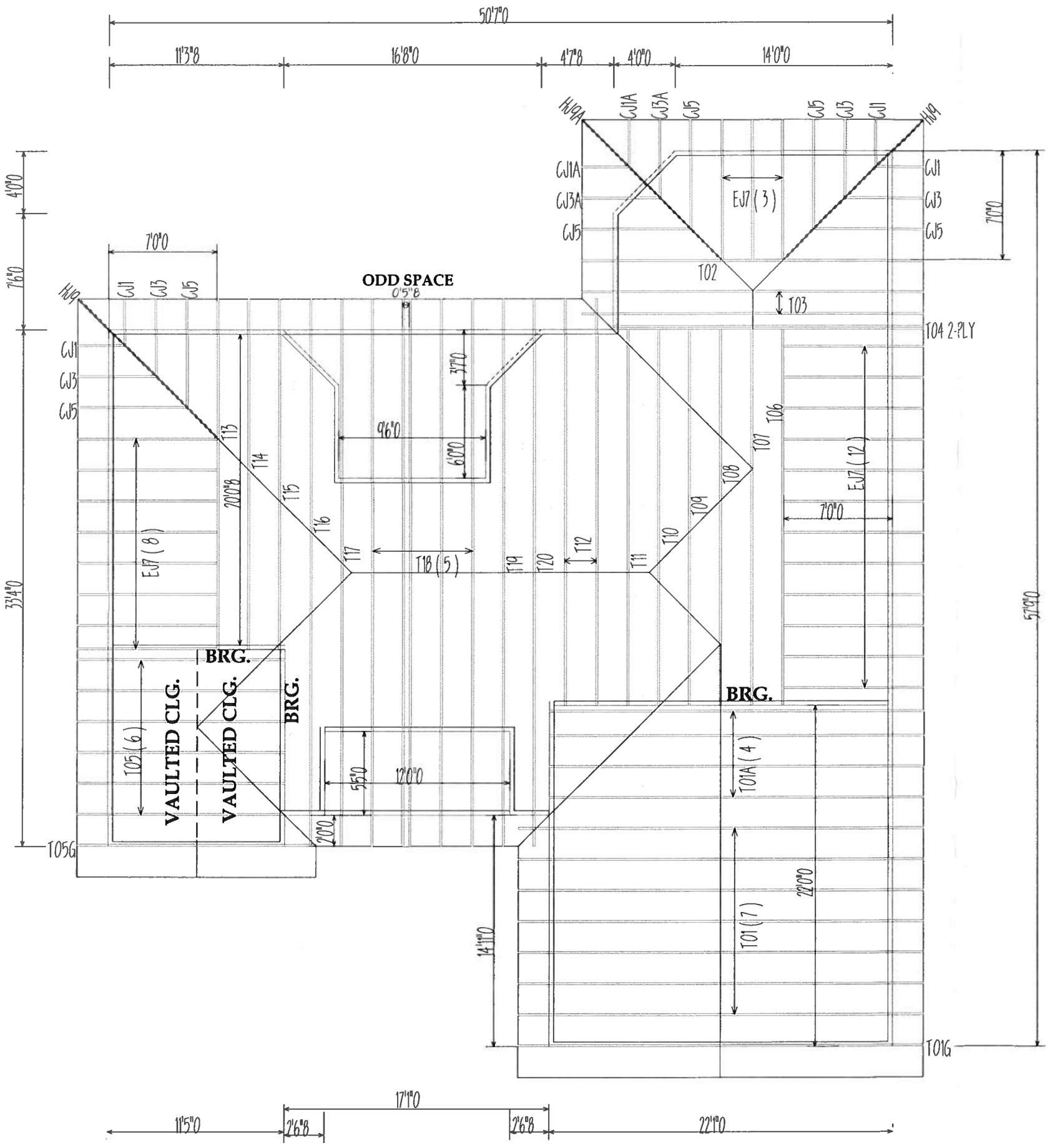
MiTek® TEE-LOK®

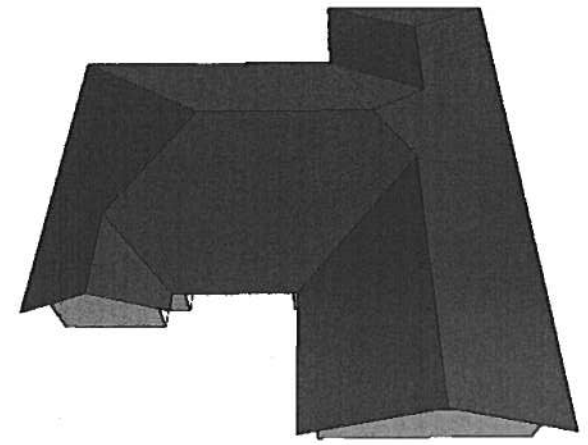
MiTek Engineering Reference Sheet: MII-7473

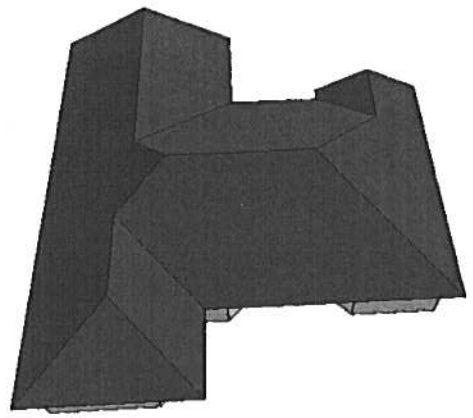
General Safety Notes

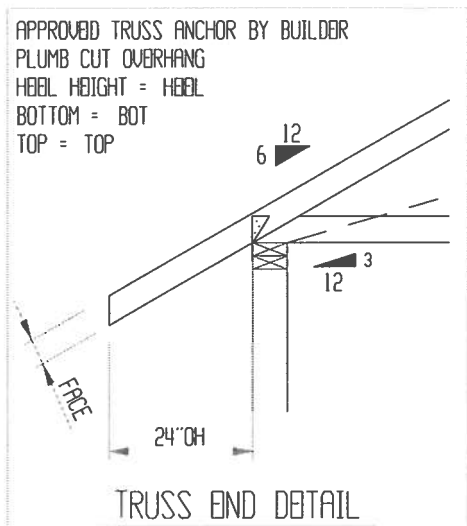
Failure to Follow Could Cause Property Damage or Personal Injury

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









TRUSS END DETAIL

HANGER SCHEDULE

(6) HTU26

BEARING HEIGHT SCHEDULE

8'-0"

OVERHANG
2'-0"

ROOF PITCH(S)
6/12

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

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

SHOP DRAWING APPROVAL

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

Requested Delivery Date : _____

Approved by: _____ Date: _____

Builders FirstSource
Bunnell
PHONE: 904-437-3349 FAX: 904-437-3994
Jacksonville
PHONE: 904-772-6100 FAX: 904-772-1973
Lake City
PHONE: 904-755 6894 FAX: 904-755 7973
Sanford
PHONE: 407-322-0059 FAX: 407-322-5553

BUILDER: WOODMAN PARK BLDRS. INC.

LEGAL ADDRESS: EMRALD COVE

MODEL:	REVISION:
CUSTOM	SCALE: NTS

DATE:	DRAWN BY:	JOB #:
04/04/06	AM	L158385