DATE 04/03/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000025692

APPLICANT GARY MARTIN PHONE 386 984-6868

ADDRESS P.O. BOX 3178 LAKE CITY FL 32056

OWNER CYPRESS HOMES & LAND PHONE 386 867-5633

ADDRESS 561 SW KIRBY ROAD LAKE CITY FL 32055

CONTRACTOR ROB STEWART PHONE 386 984-6868

LOCATION OF PROPERTY 247S, TL ON KIRBY RD, 2ND VACANT LOT ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 91600.00

HEATED FLOOR AREA 1832.00 TOTAL AREA 2400.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 7/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 20

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

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

PARCEL ID 11-4S-16-02905-223 SUBDIVISION HUNTINGTON AT WOODCREST

LOT 23 BLOCK PHASE UNIT TOTAL ACRES 2.00

000001361 CBC1252898 Gary Martin

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

CULVERT 06-1120-N BK JH Y

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

COMMENTS: RESOLUTION 2005R-26 ENGINEER FINISH FLOOR DETERMINATION LETTER TO BE 125' 28" X20" SIDE DRAIN FOR DRIVE AT 121.3',PER ENGINEER, ELEVATION LETTER CONFIRMING BOTH REQUIRED,ALT.TERMIT TREATMENT REC'D, Check # or Cash 293

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 $ 460.00 CERTIFICATION FEE $ 12.00 SURCHARGE FEE $ 12.00

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ 25.00 **TOTAL FEE** 584.00

INSPECTORS OFFICE Gale Tedder CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0612-65 Date Received 12/20/06 By JW Permit # 1361/25692

Application Approved by - Zoning Official BLK Date 03.04.07 Plans Examiner OK JTH Date 12-22-06

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

Comments NOC, [illegible]

Resolution 2005R-26 Engineer Finish Floor Determination letter to be 125 ft. 28" x 20" Side Drain for Drive at 121.3 per Co. Eng: Elevation letter confirming both Required.

Applicants Name Gary Martin Phone 386-984-6868

Address PO Box 3178 Lake City FL 32056

Owners Name Cypress Homes and Land Phone 386-867-5633

911 Address 561 SW Kirby Lake City FL 32024

Contractors Name Rob Stewart Phone 386-984-6868

Address 507 W. Duval Street Lake City FL 32055

Fee Simple Owner Name & Address ______

Bonding Co. Name & Address ______

Architect/Engineer Name & Address Mark Disosway PO Box 868 Lake City FL 32056

Mortgage Lenders Name & Address Columbia Bank Lake City FL 32056

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

Property ID Number 11-4S-16-02905-223 Estimated Cost of Construction 130 K

Subdivision Name Huntington at Woodcrest Lot 23 Block ____ Unit ____ Phase ____

Driving Directions HWY 247-S TL Kirby Rd TL ~~second~~ Lot #23 second vacant Lot on Left

Type of Construction Wood frame Walls Concrete Slab Number of Existing Dwellings on Property 0

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

Actual Distance of Structure from Property Lines - Front APRX 60' Side 40' Side 40' Rear 100'

Total Building Height APRX 20 Number of Stories 1 Heated Floor Area 1832 TOTAL 2400 Roof Pitch 7/12

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

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

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

[signature]

Owner Builder or Agent (Including Contractor)

[signature]

Contractor Signature

Contractors License Number CBC 1252898

Competency Card Number ______

NOTARY STAMP/SEAL

ELIZABETH CARRENDER MY COMMISSION EXPIRES March 6, 2008 #DD 286264 Bonded thru Notary Public Underwriters NOTARY PUBLIC, STATE OF FLORIDA

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this ______ day of ______ 20__

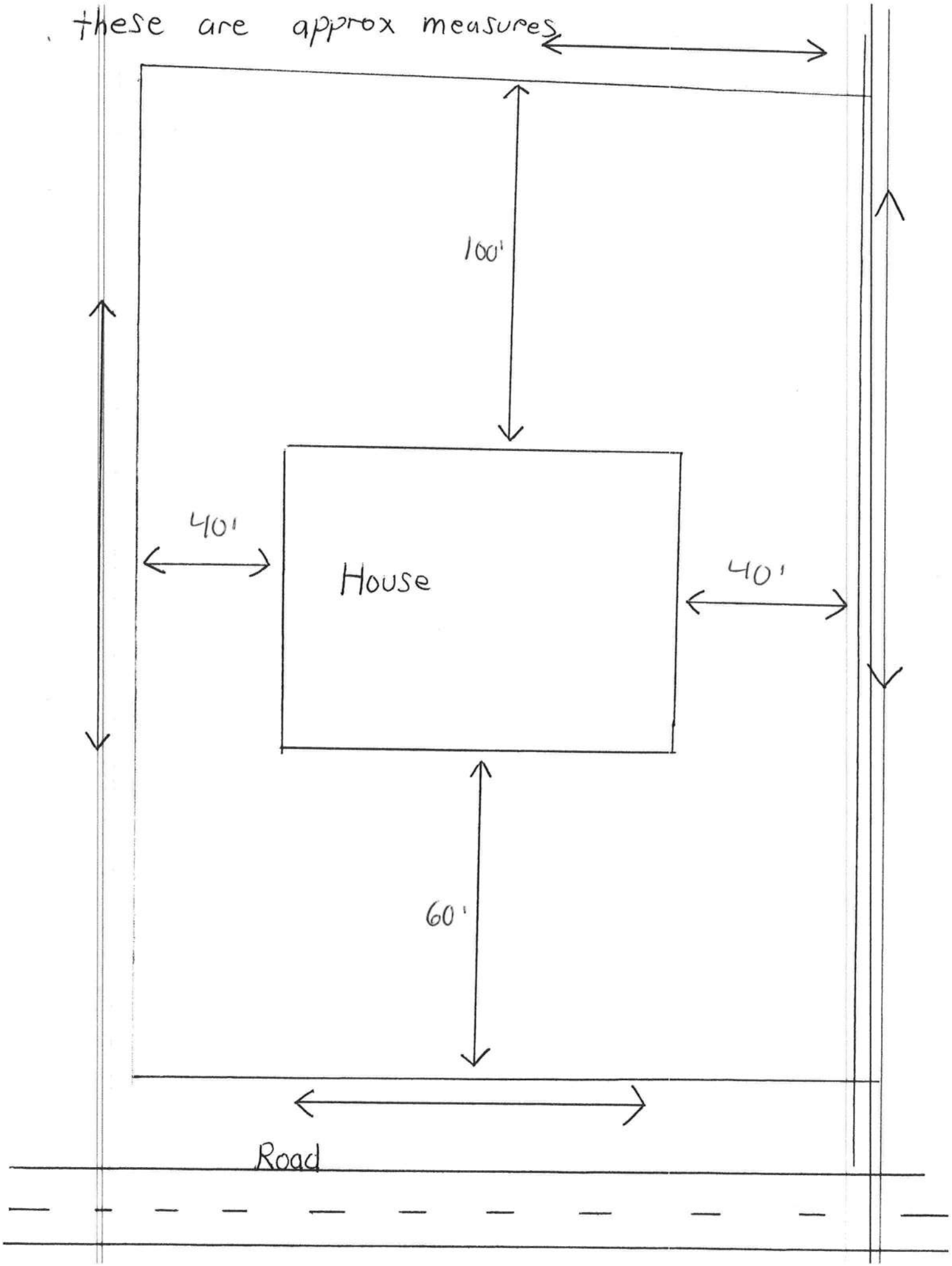
Personally known____ or Produced Identification____

Elizabeth Carrender

Notary Signature

```
@ CAM112M01    S  CamaUSA Appraisal System                          Columbia County
12/20/2006 13:53  Legal Description Maintenance               59500  Land   001  *
Year T Property                              Sel                     AG     000
2007 R 11-4S-16-02905-223                                            Bldg   000
         23 HNTNGTN AT WOODCR                                        Xfea   000
       CYPRESS HOMES & LAND LLC                               59500  TOTAL       B

  1  LOT 23 HUNTINGTON AT WOODCREST  S/D AND BEG NW COR OF LOT 24       2
  3  RUN E 284.28 FT TO NE COR OF    LOT 24, RUN S 28.00 FT, RUN        4
  5  W 285.51 FT TO POB.             ORB 819-2235, 970-2131.            6
  7  WD 1062-1124.                                                      8
  9                                                                    10
 11                                                                    12
 13                                                                    14
 15                                                                    16
 17                                                                    18
 19                                                                    20
 21                                                                    22
 23                                                                    24
 25                                                                    26
 27                                                                    28
                                                  Mnt 11/07/2005 THRESA
F1=Task  F3=Exit  F4=Prompt  F10=GoTo  PgUp/PgDn  F24=More
```


these are approx measures
100'
40'
House
40'
60'
Road

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**610201EvanISpecHouseLot#23**	Builder:	**Martin Home Builders**
Address:	**Lot: 23, Sub: woodcrest, Plat:**	Permitting Office:	Columbia
City, State:	**Lake City, FL**	Permit Number:	25692
Owner:	**Spec house**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 36.0 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?	Yes		
6. Conditioned floor area (ft²)	1832 ft²	c. N/A	
7. Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor: (or Single or Double DEFAULT) 7a.	Description Area (Dble Default) 199.0 ft²	13. Heating systems	
b. SHGC: (or Clear or Tint DEFAULT) 7b.	(Clear) 199.0 ft²	a. Electric Heat Pump	Cap: 36.0 kBtu/hr
			HSPF: 7.90
8. Floor types		b. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 184.0(p) ft		
b. N/A		c. N/A	
c. N/A			
9. Wall types		14. Hot water systems	
a. Frame, Wood, Exterior	R=13.0, 936.0 ft²	a. Electric Resistance	Cap: 40.0 gallons
b. Frame, Wood, Adjacent	R=13.0, 232.0 ft²		EF: 0.93
c. N/A		b. N/A	
d. N/A			
e. N/A		c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
a. Under Attic	R=30.0, 1926.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 170.0 ft		
b. N/A			

Glass/Floor Area: 0.11	Total as-built points: 23249 Total base points: 26262	PASS

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

PREPARED BY: Ben Ingram

DATE: 12-1-06

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: **Lot: 23, Sub: woodcrest, Plat: , Lake City, FL,** 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	1832.0	20.04	6608.4	Double, Clear	E	1.5	6.5	90.0	42.06	0.93	3507.5	
				Double, Clear	E	9.5	7.5	54.0	42.06	0.46	1047.4	
				Double, Clear	S	1.4	6.5	15.0	35.87	0.89	479.1	
				Double, Clear	W	1.5	7.5	36.0	38.52	0.95	1316.3	
				Double, Clear	N	1.5	2.5	4.0	19.20	0.80	61.2	
				As-Built Total:				**199.0**			**6411.6**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	232.0	0.70	162.4	Frame, Wood, Exterior			13.0	936.0	1.50		1404.0	
Exterior	936.0	1.70	1591.2	Frame, Wood, Adjacent			13.0	232.0	0.60		139.2	
Base Total:	**1168.0**		**1753.6**	**As-Built Total:**				**1168.0**			**1543.2**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	20.0	1.60	32.0	Exterior Insulated				10.0	4.10		41.0	
Exterior	30.0	4.10	123.0	Exterior Insulated				20.0	4.10		82.0	
				Adjacent Insulated				20.0	1.60		32.0	
Base Total:	**50.0**		**155.0**	**As-Built Total:**				**50.0**			**155.0**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1832.0	1.73	3169.4	Under Attic			30.0	1926.0	1.73 X 1.00		3332.0	
Base Total:	**1832.0**		**3169.4**	**As-Built Total:**				**1926.0**			**3332.0**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	184.0(p)	-37.0	-6808.0	Slab-On-Grade Edge Insulation			0.0	184.0(p	-41.20		-7580.8	
Raised	0.0	0.00	0.0									
Base Total:			**-6808.0**	**As-Built Total:**				**184.0**			**-7580.8**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1832.0	10.21	18704.7					1832.0	10.21		18704.7	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 23, Sub: woodcrest, Plat: , Lake City, FL,** PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 23583.1			**Summer As-Built Points:**					**22565.7**
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 36000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)					
			22566	1.00	(1.09 x 1.147 x 1.00)	0.263	1.000	7406.8
23583.1	**0.4266**	**10060.5**	**22565.7**	**1.00**	**1.250**	**0.263**	**1.000**	**7406.8**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 23, Sub: woodcrest, Plat: , Lake City, FL,** 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	1832.0	12.74	4201.1	Double, Clear	E	1.5	6.5	90.0	18.79	1.03	1743.2
				Double, Clear	E	9.5	7.5	54.0	18.79	1.35	1370.5
				Double, Clear	S	1.4	6.5	15.0	13.30	1.08	215.1
				Double, Clear	W	1.5	7.5	36.0	20.73	1.01	756.4
				Double, Clear	N	1.5	2.5	4.0	24.58	1.01	99.5
				As-Built Total:				**199.0**			**4184.7**
WALL TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points
Adjacent	232.0	3.60	835.2	Frame, Wood, Exterior			13.0	936.0	3.40		3182.4
Exterior	936.0	3.70	3463.2	Frame, Wood, Adjacent			13.0	232.0	3.30		765.6
Base Total:	**1168.0**		**4298.4**	**As-Built Total:**				**1168.0**			**3948.0**
DOOR TYPES	Area X	BWPM	= Points	Type				Area X	WPM	=	Points
Adjacent	20.0	8.00	160.0	Exterior Insulated				10.0	8.40		84.0
Exterior	30.0	8.40	252.0	Exterior Insulated				20.0	8.40		168.0
				Adjacent Insulated				20.0	8.00		160.0
Base Total:	**50.0**		**412.0**	**As-Built Total:**				**50.0**			**412.0**
CEILING TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM X WCM	=	Points
Under Attic	1832.0	2.05	3755.6	Under Attic			30.0	1926.0	2.05 X 1.00		3948.3
Base Total:	**1832.0**		**3755.6**	**As-Built Total:**				**1926.0**			**3948.3**
FLOOR TYPES	Area X	BWPM	= Points	Type			R-Value	Area X	WPM	=	Points
Slab	184.0(p)	8.9	1637.6	Slab-On-Grade Edge Insulation			0.0	184.0(p	18.80		3459.2
Raised	0.0	0.00	0.0								
Base Total:			**1637.6**	**As-Built Total:**				**184.0**			**3459.2**
INFILTRATION	Area X	BWPM	= Points					Area X	WPM	=	Points
	1832.0	-0.59	-1080.9					1832.0	-0.59		-1080.9

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 23, Sub: woodcrest, Plat: , Lake City, FL,** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**13223.9**	**Winter As-Built Points:**					**14871.3**
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: Electric Heat Pump 36000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Gar(AH),R6.0					
			14871.3	1.000	(1.069 x 1.169 x 1.00)	0.432	1.000	8021.7
13223.9	**0.6274**	**8296.7**	**14871.3**	**1.00**	**1.250**	**0.432**	**1.000**	**8021.7**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 23, Sub: woodcrest, Plat: , Lake City, FL,** 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
10061	**8297**	**7905**	**26262**	**7407**	**8022**	**7820**	**23249**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 23, Sub: woodcrest, Plat: , Lake City, FL,** 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 circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.3

The higher the score, the more efficient the home.

Spec house, Lot: 23, Sub: woodcrest, Plat: , Lake City, FL,

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family		a.	Central Unit	Cap: 36.0 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?	Yes				
6.	Conditioned floor area (ft²)	1832 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) 199.0 ft²		a.	Electric Heat Pump	Cap: 36.0 kBtu/hr
b.	SHGC:					HSPF: 7.90
	(or Clear or Tint DEFAULT) 7b.	(Clear) 199.0 ft²		b.	N/A	
8.	Floor types					
a.	Slab-On-Grade Edge Insulation	R=0.0, 184.0(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=13.0, 936.0 ft²				EF: 0.93
b.	Frame, Wood, Adjacent	R=13.0, 232.0 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, 1926.0 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, 170.0 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.

LYNCH WELL DRILLING, INC.

RT. 6 BOX 464
LAKE CITY, FL 32025
PHONE (386) 752-6677
FAX (386) 752-1477

RESIDENTIAL WATER WELL BUILDING PERMIT INFORMATION

Building Permit #_____ Owners Name Ben Martin

Well Depth_____Ft. Casing Depth_____Ft. Water Level_____Ft.

Casing Size 4 PVC_____ Steel X

Pump Installation: Submersible X Deep Well Jet_____ Shallow Well____

Pump Make Aermotor Pump Model # S20-100 Hp 1

System Pressure (PSI)_____ On 30 Off 50 Avg. Pressure 50 (PSI)

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

Tank Installation: Precharged (Baldder) X Atmospheric (Galvanized)

Make Challenger Model PC244 Size 81

Tank Draw-down per cycle at system pressure 25.1 Gallons

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

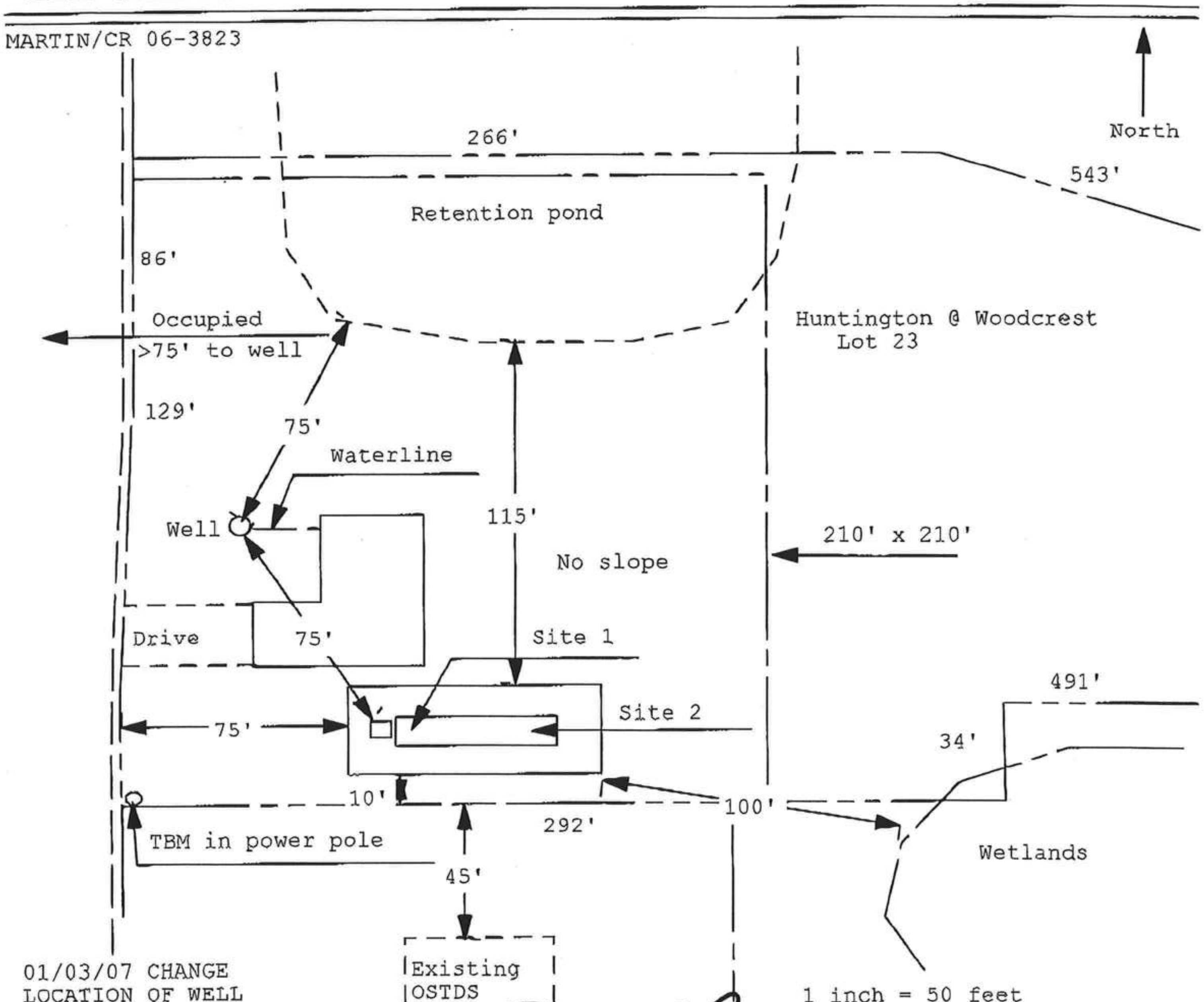
Lynch Well Drilling, Inc. Linda Newcomb
Signature Print Name

1274 or 2609 11/20/03
License Number Date

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

Permit Application Number: 06-01120N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



Site Plan Submitted By *Paul Lloyd* Date *1/3/07*

Plan Approved *✓* Not Approved ____ Date *1/5/06*

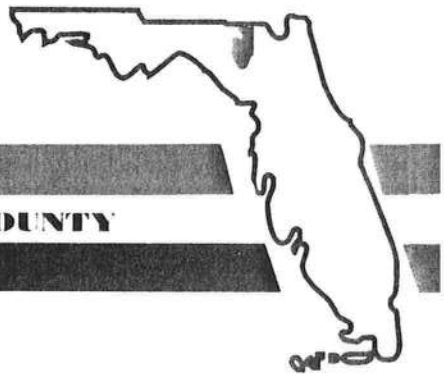
By *[signature]* *Columbia* CPHU

Notes: ________________________________

@ Woodcrest + Woodcrest
Lot 23 - Huntington Cypress Homes + Land

REVISED 1-3-07

RECEIVED 1/3/07 pm



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

29 December 2006

Gary Martin
P.O. Box 3178
Lake City, FL 32056-3178

RE: Building Permit Application for Lot 23, Huntington at Woodcrest Subdivision

Dear Gary:

The above referenced property had standing water on it after the hurricanes of 2004. As per Resolution 2005R-26, the additional items need to be submitted;

1. A grading plan signed and sealed by a Florida registered professional engineer that includes any proposed changes from natural ground elevation, if any, amount of fill material to be added to the site demonstrating that the natural flow of water has not been altered nor will adjacent properties be negatively impacted;

2. Establish the lowest habitable floor elevation and

3. Written certification by a competent Florida licensed professional or agency stating that the proposed location of the structure is not located within an area not defined as a wetland as defined in the Columbia County Land Development Regulations.

If you have any questions concerning this matter, please do not hesitate to contact me at 758.1007.

Sincerely,

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

xc: Cypress Homes and Land, LLC, Property Owner

GTC DESIGN GROUP

GTC Design Group, LLC
176 NW Lake Jeffrey Road
Lake City, Florida 32055
(Phone) 386.754.3677
(Fax) 386.362.6133
bcrews@gtcdesigngroup.com

March 20, 2007

Brian Kepner
Land Development Regulations Administrator
County Planner
P. O. Box 1529
Lake City, Florida 32056

SUBJECT: Building Permit Application for Lot 23, Huntington at Woodcrest Subdivision

Mr. Kepner:

In response to your letter addressed to Gary Martin, dated December 29, 2006:

1. **A grading plan signed and sealed by a Florida registered professional engineer that includes any proposed changes from natural ground elevation, if any, amount of fill material to be added to the site demonstrating that the natural flow of water has not been altered nor will adjacent properties be negatively impacted.**

   Please find the attached construction plans. An excavation area is shown to provide compensating storage for stormwater. All compensating storage is calculated below the 100 year flood elevation (123.0) and exceeds the amount of proposed fill below 123.0 needed for construction of the proposed building.

2. **Establish the lowest habitable floor elevation.**

   The minimum finish floor elevation of the proposed building has been established as 125. 0, (2 feet above the 100 year flood elevation).

3. **Written certification by a competent Florida licensed professional or agency stating that the proposed location of the structure is not located within an area not defined as a wetland as defined in the Columbia County Land Development Regulations.**

Please find the attached Wetland Report submitted by, Dennis Price of South East Environmental Geology. The wetland line was flagged by Mr. Price and surveyed by Britt Surveying. This wetland line is denoted in the construction plans. No structures are proposed within 35' of the wetland line and no excavation is proposed within 25' of the wetland line.

If you have any questions or require additional information, please contact me at your convenience.

Thank you,

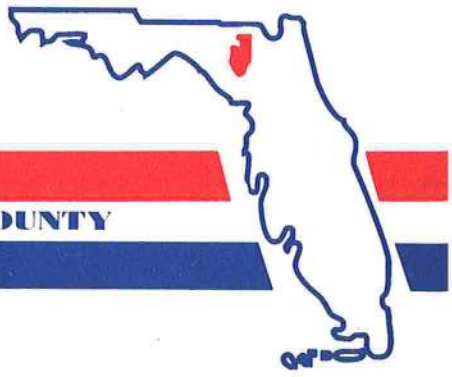
Brett Crews
Project Manager

Brian Kepner

From: Jensen, Don [Don.Jensen@dep.state.fl.us]
Sent: Tuesday, January 16, 2007 4:32 PM
To: Brian Kepner
Cc: martingary@bellsouth.net
Subject: 11-4S-16-02905-223, Columbia County

I have inspected the above subject site and the proposed (scraped) building site does not contain wetlands.

Don Jensen, Environmental Specialist
ERP Compliance & Enforcement
FL Department of Environmental Protection
9225 CR 49 Live Oak, FL 32060
(Voice) 386-362-0417
(Fax) 386-208-0585
E-mail: don.jensen@dep.state.fl.us



MEMORANDUM

Date: 26 March 2007

To: John Colson, P.E., County Engineer

From: Brian L. Kepner, County Planner BLK

Re: Flood Resolution 2005R-26

Please find attached the items submitted for Lot 23, Huntington at Woodcrest Subdivision. Please review for compliance with Flood Resolution 2005R-26.

See note on plans.
J. Colson
3/29/07

Main Identity

From: "Jensen, Don" <Don.Jensen@dep.state.fl.us>
To: <brian_kepner@columbiacountyfla.com>
Cc: <martingary@bellsouth.net>
Sent: Tuesday, January 16, 2007 4:32 PM
Subject: 11-4S-16-02905-223, Columbia County

I have inspected the above subject site and the proposed (scraped) building site does not contain wetlands.

Don Jensen, Environmental Specialist
ERP Compliance & Enforcement
FL Department of Environmental Protection
9225 CR 49 Live Oak, FL 32060
(Voice) 386-362-0417
(Fax) 386-208-0585
E-mail: don.jensen@dep.state.fl.us

0612-65

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001361

DATE 04/03/2007 PARCEL ID # 11-4S-16-02905-223

APPLICANT GARY MARTIN PHONE 386 984-6868

ADDRESS P.O. BOX 3178 LAKE CITY FL 32056

OWNER CYPRESS HOMES & LAND PHONE 386 867-5633

ADDRESS 561 SW KIRBY ROAD LAKE CITY FL 32055

CONTRACTOR ROB STEWART PHONE 386 984-6868

LOCATION OF PROPERTY 247S, TL ON KIRBY RD, 2ND LOT ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT HUNTINGTON AT WOODCR 23

SIGNATURE

INSTALLATION REQUIREMENTS

☐ 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 ALLOW 24' CULVERT WITH MITERED ENDS

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

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

Amount Paid 25.00

COLUMBIA COUNTY · GATEWAY TO FLORIDA

TAMKO®
ROOFING PRODUCTS

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

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

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

TAMKO Roofing Products, Inc.

2300 35th STREET P.O. BOX 2149 TUSCALOOSA, AL 35403-2149 205-752-3555 FAX 205-349-2049

THERMA-TRU®

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

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY.
2. WOOD BLOCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. DESIGNED PRESSURE RATING SEE TABLE PAGE 1.
5. THIS PRODUCT WAS TESTED FOR 2.86 LBS. WATER PRESSURE AS PER ASTM-E331
6. THIS PRODUCT DOES NOT MEET THE WATER REQUIREMENTS FOR MIAMI-DADE COUNTY WITHOUT PROPER OVERHANG.
7. MIAMI-DADE APPROVED IMPACT RESISTANT SHUTTERS ARE REQUIRED FOR SIDELITES ONLY.
8. SIDELITES ARE AN OPTION AND CAN BE USED IN A SINGLE OR DOUBLE CONFIGURATION

RESIDENTIAL INSULATED STEEL DOOR
(Common to all frame conditions)

Door & Sidelite Panel Construction:

Face sheets: 25 GA (0.018") minimum thickness, galvanized steel A-525 commercial quality – AKDO per ASTM 620 with yield strength Fy(min.)=27,830 psi

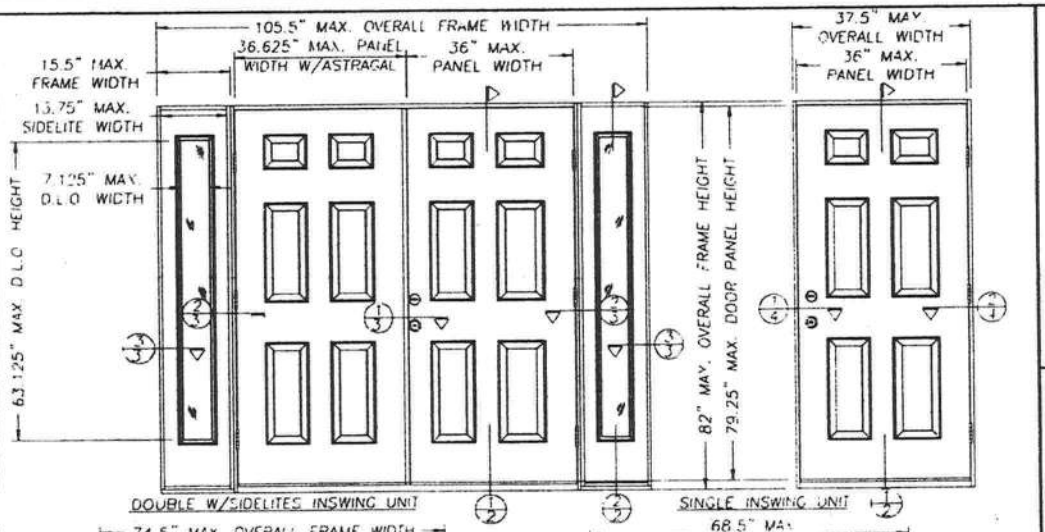
Core design: Polyurethane foam core, with 1.9 lbs. density by BASF.

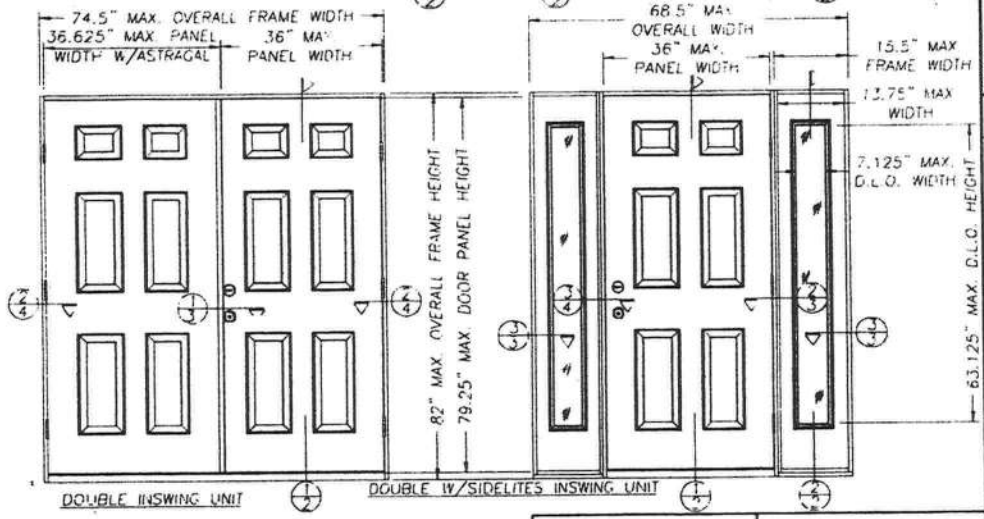
Door Panel Construction: Flush or embossed type. The vertical edges of the skin, rolled formed to provide a mechanical interlock with finger jointed pine stiles. Wood end rails are butt jointed and pressure filled with contact cement to the wood stiles at the corners.

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

Frame Construction: The frame is constructed from finger jointed Ponderosa Pine measuring 4.575" wide x 1.211" thick. The header is joined to the side jambs with (3) 16ga. 1/2" crown x 2" long staples at each side. The threshold is joined to the side jambs with (2) 16ga. 1/2" crown x 2" long staples at each side. The mullions are secured together in a sidelite application using #8 x 2" long PFH Wood Screws (6) screws per each mullion. The unit uses an Inswing Saddle threshold measuring 5.75" x 1.548".

TABLE OF CONTENTS





DESIGN PRESSURE RATING	
UNIT TYPE	DESIGN PRESSURE
SINGLE	+ 67.0 PSF – 67.0 PSF
DOUBLE	+ 60.0 PSF – 60.0 PSF
SINGLE OR DOUBLE W/SIDELITES	+ 60.0 PSF – 60.0 PSF

THERMA-TRU CORPORATION
1687 WOODLANDS DRIVE
MAUMEE, OHIO 43537
PHONE 800.537.8827

PRODUCT: "CONSTRUCTION SERIES" 6-8 SINGLE & DOUBLE IN-SWING STEEL DOOR

PART OR ASSEMBLY: TYPICAL ELEVATIONS & GENERAL NOTES

NO.	DATE	REVISIONS	BY

RW BUILDING CONSULTANTS, INC
813.684.3831

DATE: 03/28/01
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2114
SHEET 1 OF 8

R W B C

R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

P.O. Box 230 Valrico, FL 33594 Phone 813.684.3831 Facsimile 813.684.3954

ENGINEER'S NOTICE OF EVALUATION # MSH-105F

Mayfair Window & Doors
4100 Cameron Street
Lafayette. LA 70506
Phone 800.999.2470 Facsimile 337.235.6657

DESCRIPTION OF UNIT

Model Designation: Single Hung Extruded Aluminum Fin Frame W/Tilt Sash Window Series 570 / 530

Maximum Overall Nominal Size: up to 44.0" x 72.0" **Usable Configurations:** $\frac{O}{X}$

General Description: The jambs are extruded aluminum with a minimum wall thickness of 0.047". The 530 Tilt series is glazed with 1/8" clear annealed glass and the 570 Tilt series is glazed with ½" insulated clear annealed glass. The active sash stiles and top rail are weather-stripped on the exterior sides with a fin seal. The bottom of the operable sash has a 0.350" high vinyl bulb. The sash is operated with a spiral balance system and locked with two locks located on the meeting rail. The window frames are coped corner construction and fastened with two #8 x ¾" SMS at each frame head and sill corners. The window is weeped with two 3/4" weep notches located one at each end of the sill screen retainer leg.

FBC Section 1707 Materials and Assembly Tests:
(1707.4.2 Exterior Windows and Glass Doors)

Test	Description	Test Location	Date	Report No.	Certifying Technician
ASTM E330	Uniform Static Air Pressure	Mid America Testing Certified Testing Laboratories	December 10, 2001 August 14, 2001	01085W-A CTLA-706WR	Travis Swisshelm, Tech. James Blakely, VP
AAMA 1302.5	Forced Entry	Certified Testing Laboratories	August 14, 2001	CTLA-706WR	James Blakely, VP
ASTM E331	Water Penetration	Certified Testing Laboratories	August 14, 2001	CTLA-706WR	James Blakely, VP
ASTM E283	Air Infiltration	Certified Testing Laboratories	August 14, 2001	CTLA-706WR	James Blakely, VP
TAS 201/203	**Large Missile Impact/Cycling	NA	NA	NA	NA

** This product does not meet windborne debris criteria.

Design Pressure Ratings:

Configuration	Maximum Size	Design Pressure Ratings
Single Hung	Up To 44" x 72"	+45.00 -45.00

Installation and Anchoring: **See reverse side this page**

Use

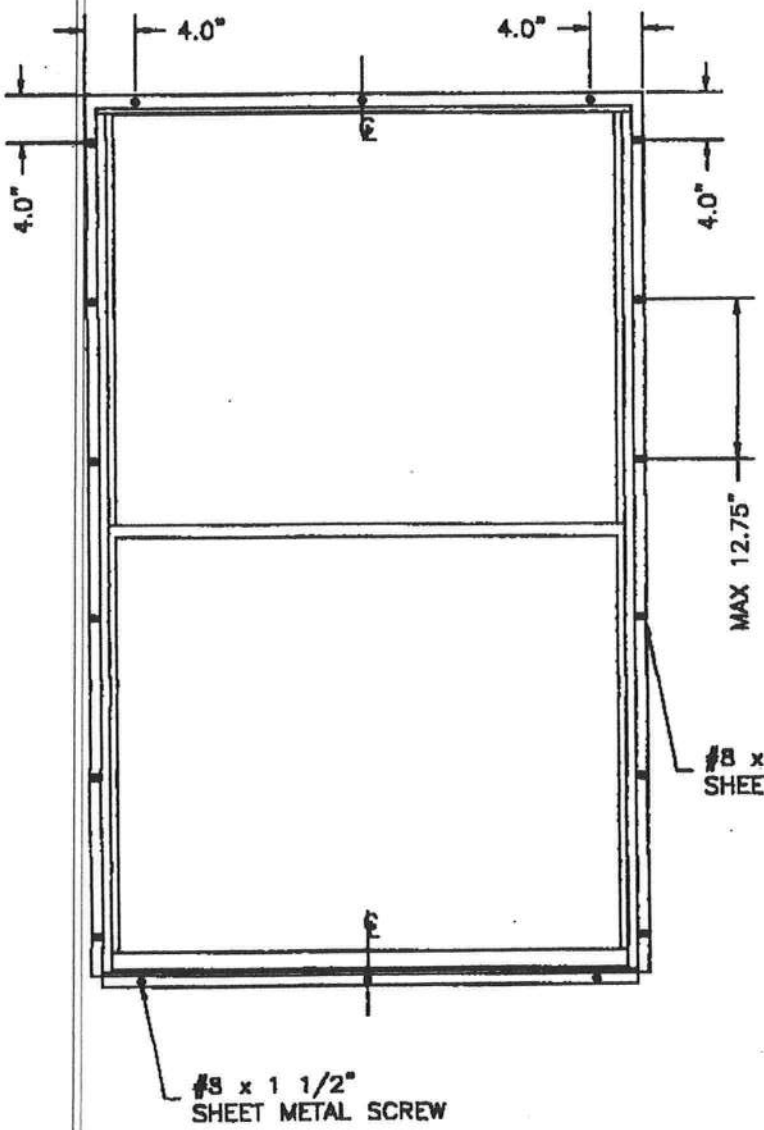
1. Evaluated for use in locations adhering to the Florida Building Code and where pressure requirements as determined by **ASCE 7 Minimum Design Loads for Buildings and Other Structures** do not exceed the design pressure ratings listed above.

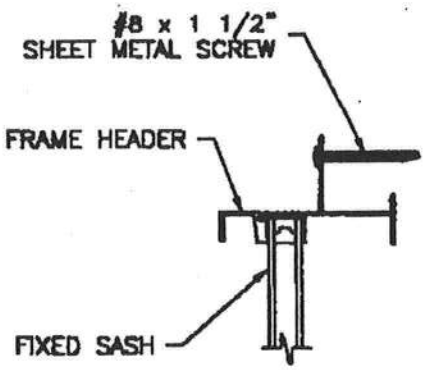
2. For Masonry installations where the sub-buck is less than 1-1/2 inches (FBC section 1707.4.4 Anchorage Methods and sub-sections 1707.4.4.1 and 1707.4.4.2) same diameter Tapcon type concrete anchors must be substituted and the length must be such that a minimum 1-1/4" engagement of the Tapcon into the masonry wall is obtained.

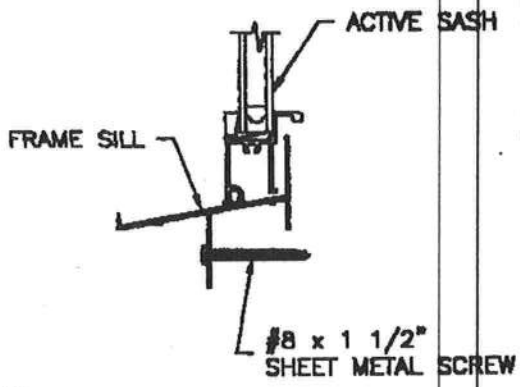
Certification: Florida Professional Engineer - Seal No. 43409 April 20, 2002 Lyndon F. Schmidt

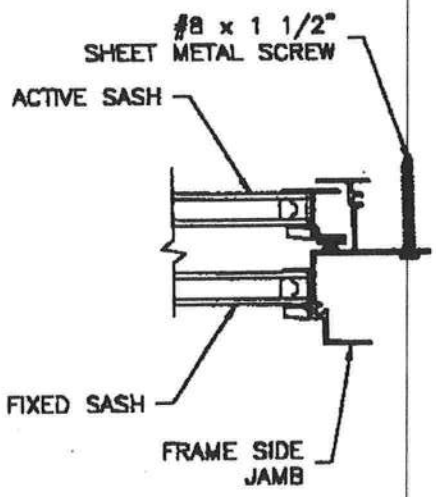
19506 French Lace Drive Lutz, FL 33558

Mayfair Windows & Doors Tilt Series 570/530
Maximum Size Up To 44.0" x 72.0"
Single Hung Extruded Aluminum Windows









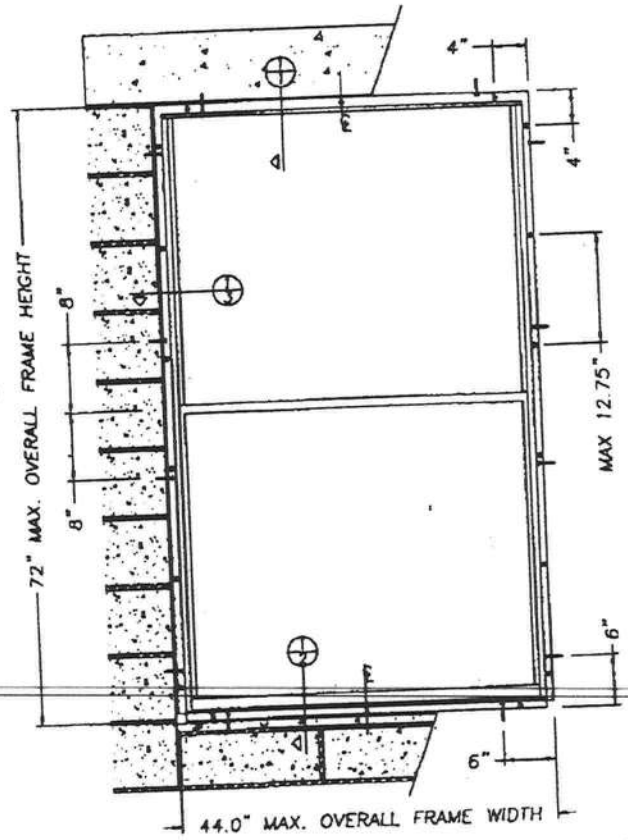
MODEL DESIGNATION: Mayfair 570/530 Series Single Hung Aluminum Window

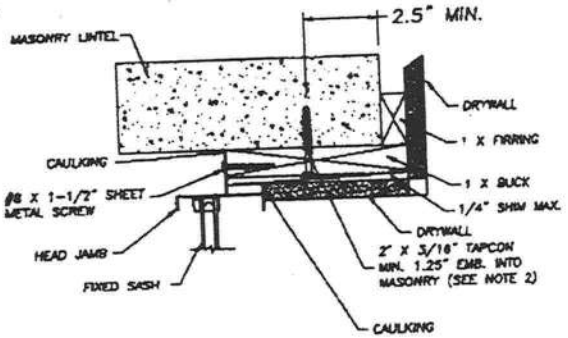
MAXIMUM OVERALL NOMINAL SIZE: Single up to 44" x 72"

DESIGN PRESSURE RATING: Anchors: Positive 45.0 PSF Negative 45.0 PSF
Windows: Design Pressure Ratings Vary; See Corresponding Test Report, Dade NOA or Florida, P.E. Evaluation.

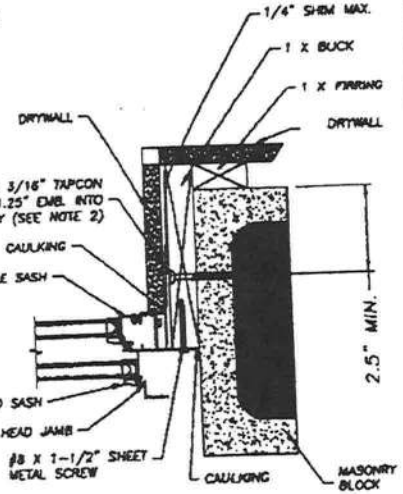
USABLE CONFIGURATIONS: O
X

GENERAL DESCRIPTION: The head and side jambs are extruded Aluminum. The nailing flange is 0.047" thick.

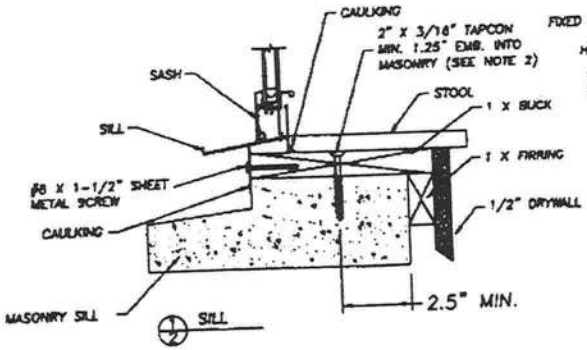




HEAD JAMB



VERTICAL JAMB



SILL

NOTE:

1. This installation has been evaluated for use in locations adhering to the Florida Building Code and where pressure requirements as determined by ASCE 7 Minimum Design Loads for Buildings and Other Structures do not exceed the design pressure ratings listed herein.
2. When using a 2 X buck, the 2" tapcon type anchor must be changed to a 3" tapcon type anchor to allow for minimum 1-1/4" embedment into the masonry.
3. All fastener heads on the exterior side of Nail Fin will need to be caulked to prevent leaking and corrosion.
4. Both exterior bottom corners of the frame at the buck must be caulked to prevent moisture damage.
5. Wall dressing at exterior flanges By Others.

4-20-22

Lyndon F. Schmidt
Florida P. E. No. 43409
19506 French Lace Drive
Lutz, FL 33558

Mayfair Windows & Doors
4100 Cameron Street
Lafayette, LA 70506
PH. 800.999.2470

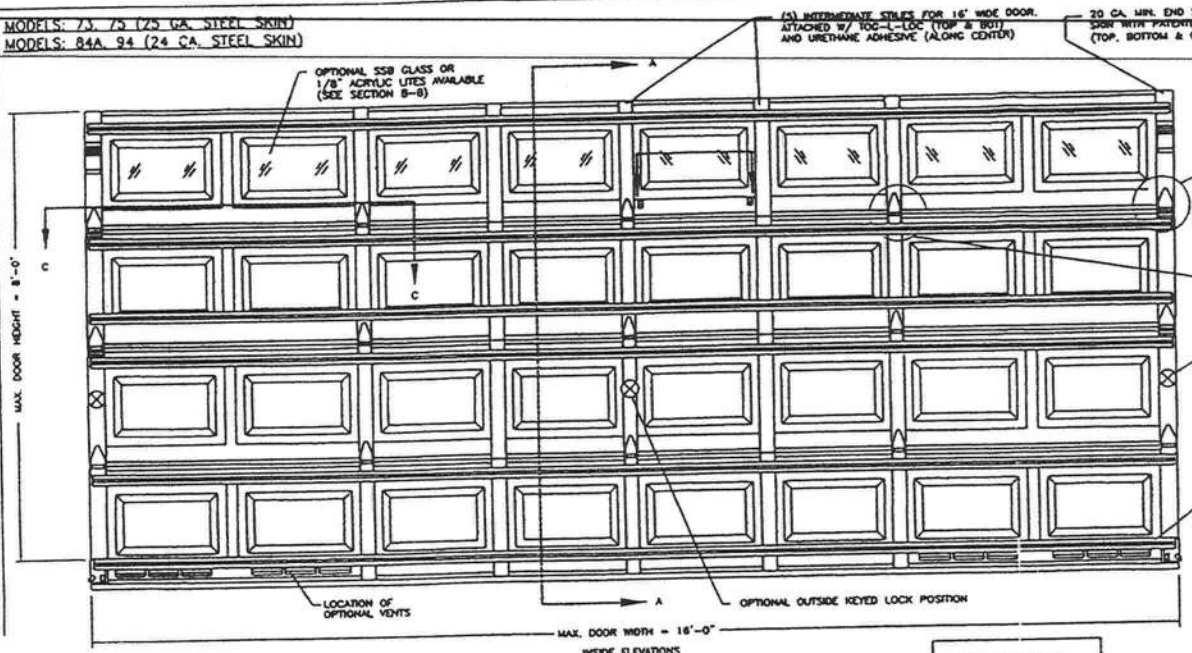
ANCHORING CROSS SECTIONS
FOR 1X BUCK TO MASONRY
SINGLE OR DOUBLE HUNG
ALUMINUM WINDOW

RW BUILDING CONSULTANTS, INC.
813.864.3831

DATE: 4/16/22
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: R.W.
DRAWING NO.: M-100
SHEET 1 OF 1

MODELS: 73, 75 (25 GA. STEEL SKIN)
MODELS: 84A, 94 (24 GA. STEEL SKIN)

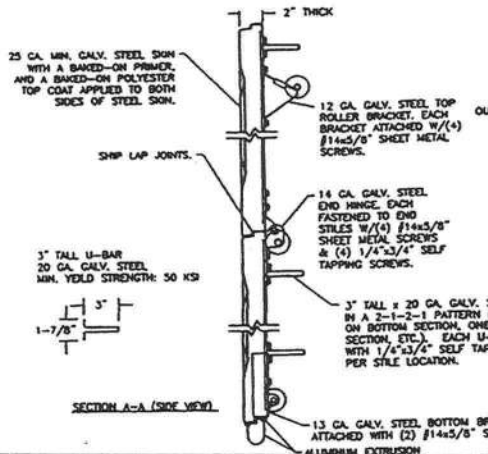
REV	DATE	DESCRIPTION
02	2/1/2000	ADDED JAMB ATTACHMENT INFORMATION
03	3/16/2000	ADDED LHR TRACK OPTION NOTE; DEL. M/N 82/90
04	11/13/2000	QTY.(1) WAS (2) FOR TRACK BOLTS



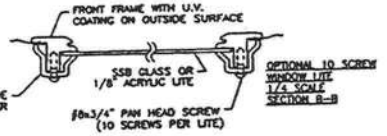
INSIDE ELEVATIONS

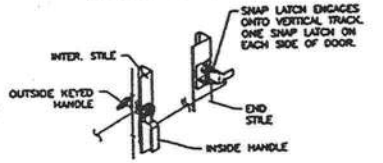
NOTE 1:
DOORS UP TO 7'-0" HIGH CONSIST OF (4) SECTIONS (SHOWN). DOORS OVER 7'-0" HIGH CONSIST OF (5) SECTIONS (NOT SHOWN).

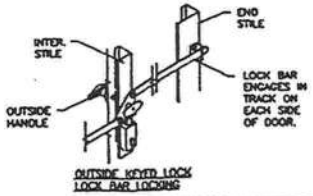
NOTE 2: THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.



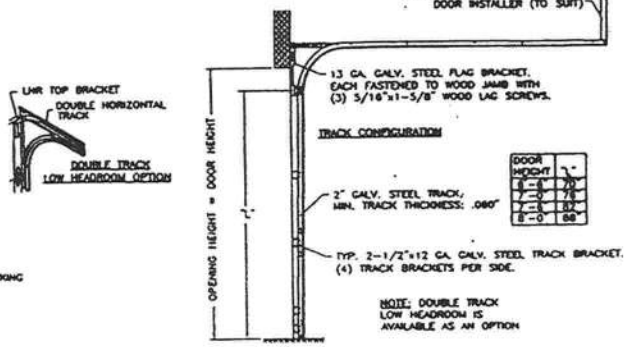
SECTION A-A (SIDE VIEW)



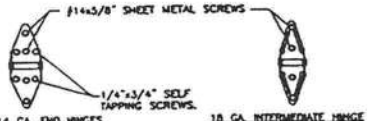




LISTED
SBCCI PST&ESI
REPORT#9606C

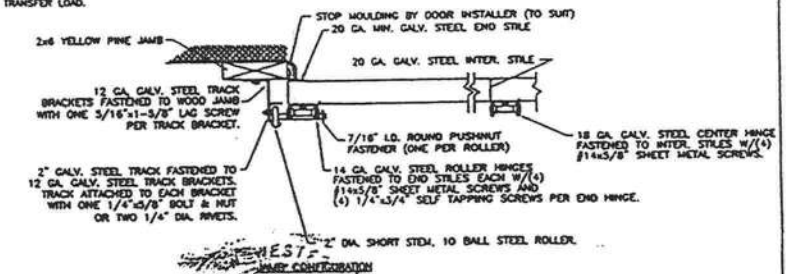


DOOR HEIGHT	7"
7'-0	84"
8'-0	96"



VERTICAL JAMB ATTACHMENT (C-90 BLOCK OR 2,000 PSI MIN. CONCRETE COLUMN):
3/8"x4" SLEEVE ANCHOR BOLTS ON 21" CENTERS (C-90 BLOCK) OR 24" CENTERS (2,000 PSI MIN. CONCRETE) OR 1/4"x4" TAPCON SCREWS ON 17-1/2" CENTERS (2,000 PSI MIN. CONCRETE). WASHERS INCLUDED WITH SLEEVE ANCHORS, 1" O.D. MIN. WASHERS REQUIRED WITH TAPCONS. ANCHORS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

VERTICAL JAMB ATTACHMENT (WOOD FRAME BUILDINGS):
1/2"x3" LAG SCREWS ON 19" CENTERS, 1" O.D. MIN. WASHER REQUIRED. LAG SCREWS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.



DESIGN ENGINEER: MARK WESTERFIELD, P.E.
FLORIDA P.E. #48495
DESIGN LOADS: +24.0 PSF & -24.5 PSF
TEST LOADS: +36.0 PSF & -37.0 PSF

Clopay Building Products Company

CLOPAY BUILDING PRODUCTS COMPANY
312 WALNUT STREET
SUITE 1600
CINCINNATI, OH 45202
(513) 381-4600

SCALE:	NOTED
DATE:	1/3/97
DRAWN BY:	JAC
CHECKED BY:	MWW
PLOT:	
MAX. DOOR SIZE:	16'0"W x 8'0"H
DESCRIPTION:	M/N 73/75/84A/94 16'W +24/-24.5 PSF DES.
B	DRAWING NUMBER: 101711
REV:	04

Residential System Sizing Calculation

Summary

Spec house

Lake City, FL

Project Title:
610201EvanISpecHouseLot#23

Class 3 Rating
Registration No. 0
Climate: North

12/1/2006

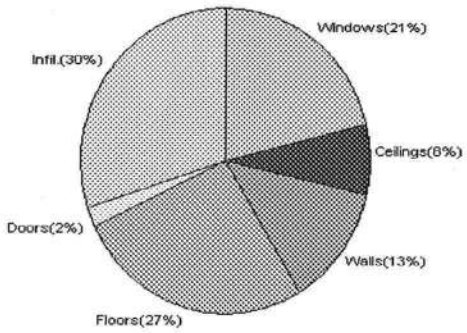
Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)

Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**30097**	**Btuh**	**Total cooling load calculation**	**26635**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	119.6	36000	Sensible (SHR = 0.50)	84.8	18000
Heat Pump + Auxiliary(0.0kW)	119.6	36000	Latent	332.2	18000
			Total (Electric Heat Pump)	135.2	36000

WINTER CALCULATIONS

Winter Heating Load (for 1832 sqft)

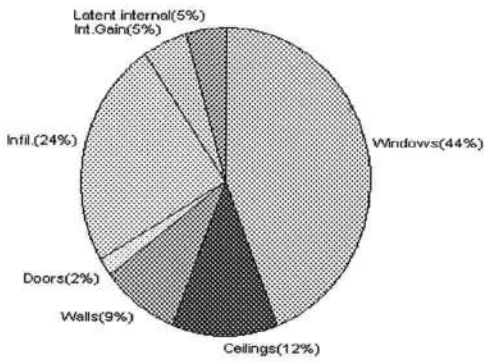
Load component			Load	
Window total	199	sqft	6406	Btuh
Wall total	1168	sqft	3836	Btuh
Door total	50	sqft	648	Btuh
Ceiling total	1926	sqft	2269	Btuh
Floor total	184	sqft	8033	Btuh
Infiltration	220	cfm	8905	Btuh
Duct loss			0	Btuh
Subtotal			**30097**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**30097**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1832 sqft)

Load component			Load	
Window total	199	sqft	11707	Btuh
Wall total	1168	sqft	2302	Btuh
Door total	50	sqft	490	Btuh
Ceiling total	1926	sqft	3190	Btuh
Floor total			0	Btuh
Infiltration	115	cfm	2148	Btuh
Internal gain			1380	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**21217**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			4218	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**5418**	**Btuh**
TOTAL HEAT GAIN			**26635**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY:
DATE: 12-12-06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec house

Lake City, FL

Project Title:
610201EvanlSpecHouseLot#23

Class 3 Rating
Registration No. 0
Climate: North

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

12/1/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	90.0	32.2	2897 Btuh
2	2, Clear, Metal, 0.87	NW	54.0	32.2	1738 Btuh
3	2, Clear, Metal, 0.87	NE	15.0	32.2	483 Btuh
4	2, Clear, Metal, 0.87	SE	36.0	32.2	1159 Btuh
5	2, Clear, Metal, 0.87	SW	4.0	32.2	129 Btuh
	Window Total		199(sqft)		6406 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	936	3.3	3074 Btuh
2	Frame - Wood - Adj(0.09)	13.0	232	3.3	762 Btuh
	Wall Total		1168		3836 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
3	Insulated - Exterior		10	12.9	130 Btuh
	Door Total		50		648Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1926	1.2	2269 Btuh
	Ceiling Total		1926		2269Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	184.0 ft(p)	43.7	8033 Btuh
	Floor Total		184		8033 Btuh
			Zone Envelope Subtotal:		21192 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	16488	219.8	8905 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**30097 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	30097 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	30097 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec house

Lake City, FL

Project Title:
610201EvanlSpecHouseLot#23

Class 3 Rating
Registration No. 0
Climate: North

12/1/2020

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

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Spec house | Project Title: 610201EvanISpecHouseLot#23 | Class 3 Rating

Lake City, FL | Registration No. 0 | Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F | 12/1/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	90.0	32.2	2897 Btuh
2	2, Clear, Metal, 0.87	NW	54.0	32.2	1738 Btuh
3	2, Clear, Metal, 0.87	NE	15.0	32.2	483 Btuh
4	2, Clear, Metal, 0.87	SE	36.0	32.2	1159 Btuh
5	2, Clear, Metal, 0.87	SW	4.0	32.2	129 Btuh
	Window Total		199(sqft)		6406 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	936	3.3	3074 Btuh
2	Frame - Wood - Adj(0.09)	13.0	232	3.3	762 Btuh
	Wall Total		1168		3836 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
3	Insulated - Exterior		10	12.9	130 Btuh
	Door Total		50		648Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1926	1.2	2269 Btuh
	Ceiling Total		1926		2269Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	184.0 ft(p)	43.7	8033 Btuh
	Floor Total		184		8033 Btuh
			Zone Envelope Subtotal:		21192 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	16488	219.8	8905 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**30097 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	30097 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	30097 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec house

Project Title:
610201EvanISpecHouseLot#23

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec house | Project Title: 610201EvanISpecHouseLot#23 | Class 3 Rating

Lake City, FL | Registration No. 0 | Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 12/1/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	6.5ft.	90.0	0.0	90.0	29	60	5403 Btuh
2	2, Clear, 0.87, None,N,N	NW	9.5ft.	7.5ft.	54.0	0.0	54.0	29	60	3242 Btuh
3	2, Clear, 0.87, None,N,N	NE	1.41	6.5ft.	15.0	0.0	15.0	29	60	901 Btuh
4	2, Clear, 0.87, None,N,N	SE	1.5ft.	7.5ft.	36.0	6.1	29.9	29	63	2045 Btuh
5	2, Clear, 0.87, None,N,N	SW	1.5ft.	2.5ft.	4.0	4.0	0.0	29	63	116 Btuh
	Window Total				199 (sqft)					11707 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	936.0	2.1	1952 Btuh
2	Frame - Wood - Adj	13.0/0.09	232.0	1.5	350 Btuh
	Wall Total		1168 (sqft)		2302 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
3	Insulated - Exterior	10.0	9.8	98 Btuh
	Door Total	50 (sqft)		490 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1926.0	1.7	3190 Btuh
	Ceiling Total		1926 (sqft)		3190 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	184 (ft(p))	0.0	0 Btuh
	Floor Total		184.0 (sqft)		0 Btuh

				Zone Envelope Subtotal:	17689 Btuh
Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.42	16488	115.4	2148 Btuh
Internal gain		Occupants	Btuh/occupant	Appliance	Load
		6	X 230 +	0	1380 Btuh
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)			DGM = 0.00	0.0 Btuh
				Sensible Zone Load	**21217 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec house

Lake City, FL

Project Title:
610201EvanlSpecHouseLot#23

Class 3 Rating
Registration No. 0
Climate: North

12/1/2006

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**21217 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**21217 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**21217 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	4218 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**5418 Btuh**
	TOTAL GAIN	**26635 Btuh**

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

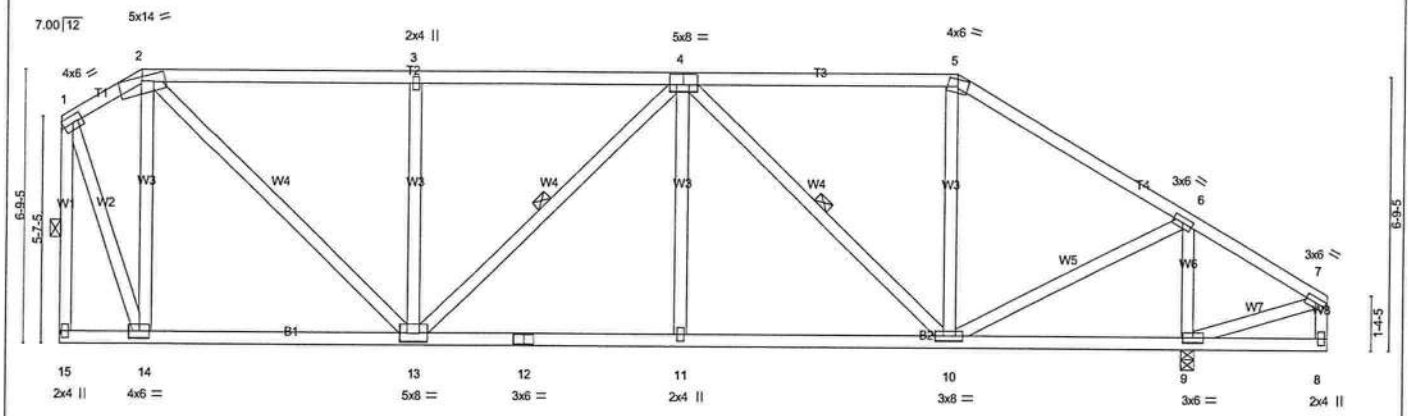
Dwg.#1127061217

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T03	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:38:04 2006 Page 1

2-0-0	8-9-7	15-5-2	22-2-9	28-0-0	31-6-0
2-0-0	6-9-7	6-7-11	6-9-7	5-9-7	3-6-0

Scale = 1:54.5



2-0-0	8-9-7	15-5-2	22-2-9	28-0-0	31-6-0
2-0-0	6-9-7	6-7-11	6-9-7	5-9-7	3-6-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.08	11-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.14	11-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.78	Horz(TL)	0.03	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 209 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 5-8-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-13, 4-10, 1-15

REACTIONS (lb/size) 15=1153/Mechanical, 9=1469/0-4-0
Max Horz 15=-211(load case 6)
Max Uplift15=-472(load case 4), 9=-465(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-404/167, 2-3=-1103/527, 3-4=-1102/528, 4-5=-827/429, 5-6=-1027/441, 6-7=-28/165, 1-15=-1154/464, 7-8=0/29
BOT CHORD 14-15=-56/210, 13-14=-200/346, 12-13=-568/1251, 11-12=-568/1251, 10-11=-568/1251, 9-10=-91/48, 8-9=-10/19
WEBS 2-14=-811/477, 2-13=-523/1049, 3-13=-371/314, 4-13=-212/126, 4-11=0/199, 4-10=-632/353, 5-10=-49/210, 6-10=-342/1032, 6-9=-1273/477, 1-14=-469/1031, 7-9=-116/57

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 472 lb uplift at joint 15 and 465 lb uplift at joint 9.

LOAD CASE(S) Standard

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

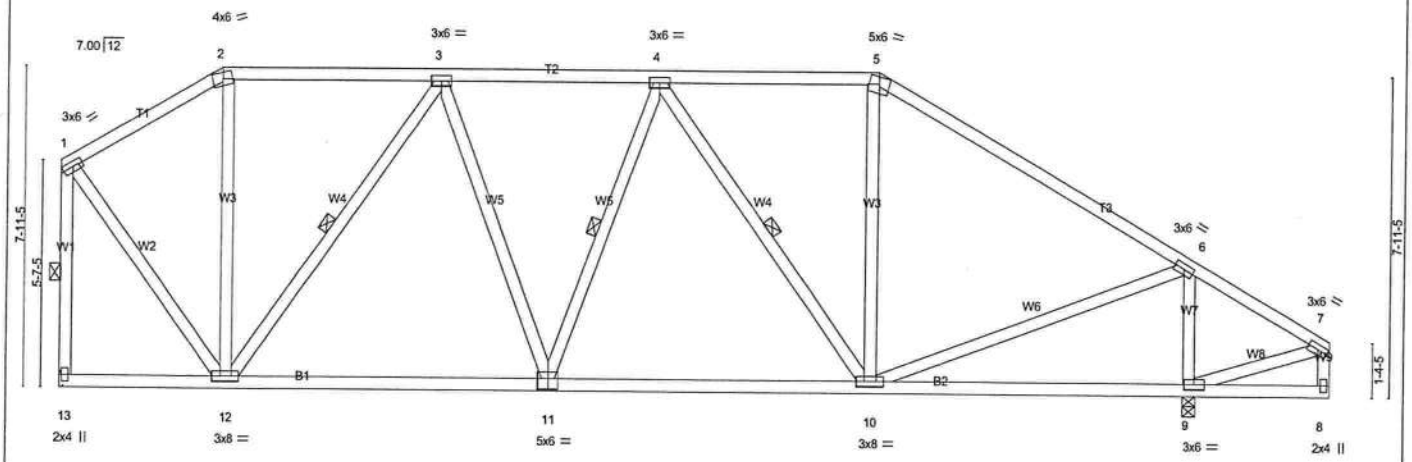
Dwg.#1127061218

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T04	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:38:08 2006 Page 1

4-0-0	9-4-14	14-9-11	20-2-9	28-0-0	31-6-0
4-0-0	5-4-14	5-4-14	5-4-14	7-9-7	3-6-0

Scale = 1:54.5
Camber = 1/16 in



4-0-0	12-1-5	20-2-9	28-0-0	31-6-0
4-0-0	8-1-5	8-1-5	7-9-7	3-6-0

Plate Offsets (X,Y): [11:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.10	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.17	11-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.37	Horz(TL)	0.03	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 209 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 5-5-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-12, 4-11, 4-10, 1-13

REACTIONS (lb/size) 13=1153/Mechanical, 9=1469/0-4-0
Max Horz 13=-228(load case 6)
Max Uplift13=-391(load case 4), 9=-423(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-670/252, 2-3=-543/253, 3-4=-1028/452, 4-5=-873/415, 5-6=-1114/415, 6-7=-13/124, 1-13=-1117/395, 7-8=0/6
BOT CHORD 12-13=-98/222, 11-12=-437/935, 10-11=-444/1035, 9-10=-33/16, 8-9=-43/29
WEBS 2-12=-14/113, 3-12=-713/407, 3-11=-71/291, 4-11=-31/123, 4-10=-369/297, 5-10=-90/242, 6-10=-290/969, 6-9=-1258/465, 1-12=-351/893, 7-9=-14/14

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 391 lb uplift at joint 13 and 423 lb uplift at joint 9.

LOAD CASE(S) Standard

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

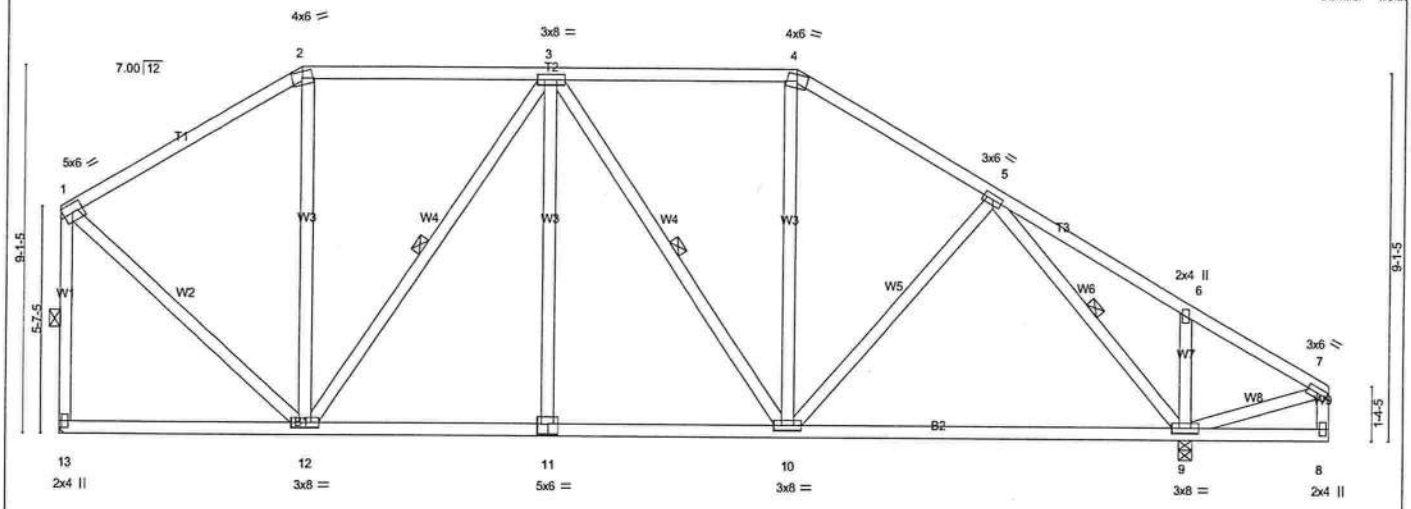
Dwg.#1127061219

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T05	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:38:11 2006 Page 1

6-0-0	12-1-5	18-2-9	23-1-5	28-0-0	31-6-0
6-0-0	6-1-5	6-1-5	4-10-11	4-10-11	3-6-0

Scale = 1:54.5
Camber = 1/8 in



6-0-0	12-1-5	18-2-9	28-0-0	31-6-0
6-0-0	6-1-5	6-1-5	9-9-7	3-6-0

Plate Offsets (X,Y): [11:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	-0.18	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.31	9-10	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.37	Horz(TL)	0.03	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 219 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, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 8-9.
WEBS 1 Row at midpt 3-12, 3-10, 5-9, 1-13

REACTIONS (lb/size) 13=1153/Mechanical, 9=1469/0-4-0
Max Horz 13=-250(load case 3)
Max Uplift13=-320(load case 5), 9=-437(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-817/281, 2-3=-643/298, 3-4=-851/379, 4-5=-1043/381, 5-6=-28/117, 6-7=-47/112, 1-13=-1068/354, 7-8=-32/0
BOT CHORD 12-13=-145/261, 11-12=-362/908, 10-11=-362/908, 9-10=-144/717, 8-9=-48/0
WEBS 2-12=-24/127, 3-12=-520/316, 3-11=0/147, 3-10=-185/217, 4-10=-24/211, 5-10=-154/265, 5-9=-1198/300, 6-9=-256/235, 1-12=-300/821, 7-9=-20/106

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 320 lb uplift at joint 13 and 437 lb uplift at joint 9.

LOAD CASE(S) Standard

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

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec house | Project Title: 610201EvanISpecHouseLot#23 | Class 3 Rating

Lake City, FL | Registration No. 0 | Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 12/1/2006

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	Pn/SHGC/U/InSh/ExSh/IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	6.5ft.	90.0	0.0	90.0	29	60	5403 Btuh
2	2, Clear, 0.87, None,N,N	NW	9.5ft.	7.5ft.	54.0	0.0	54.0	29	60	3242 Btuh
3	2, Clear, 0.87, None,N,N	NE	1.41	6.5ft.	15.0	0.0	15.0	29	60	901 Btuh
4	2, Clear, 0.87, None,N,N	SE	1.5ft.	7.5ft.	36.0	6.1	29.9	29	63	2045 Btuh
5	2, Clear, 0.87, None,N,N	SW	1.5ft.	2.5ft.	4.0	4.0	0.0	29	63	116 Btuh
	Window Total				199 (sqft)					11707 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	936.0	2.1	1952 Btuh
2	Frame - Wood - Adj	13.0/0.09	232.0	1.5	350 Btuh
	Wall Total		1168 (sqft)		2302 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
3	Insulated - Exterior	10.0	9.8	98 Btuh
	Door Total	50 (sqft)		490 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1926.0	1.7	3190 Btuh
	Ceiling Total		1926 (sqft)		3190 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	184 (ft(p))	0.0	0 Btuh
	Floor Total		184.0 (sqft)		0 Btuh

				Zone Envelope Subtotal:	17689 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.42	16488	115.4	2148 Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	6	X 230	+	0	1380 Btuh

Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)	DGM = 0.00	0.0 Btuh

	Sensible Zone Load	**21217 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec house

Lake City, FL

Project Title:
610201EvanlSpecHouseLot#23

Class 3 Rating
Registration No. 0
Climate: North

12/1/2006

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**21217 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**21217 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**21217 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	4218 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**5418 Btuh**
	TOTAL GAIN	**26635 Btuh**

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

Residential Window Diversity

MidSummer

Spec house

Lake City, FL

Project Title:
610201EvanISpecHouseLot#23

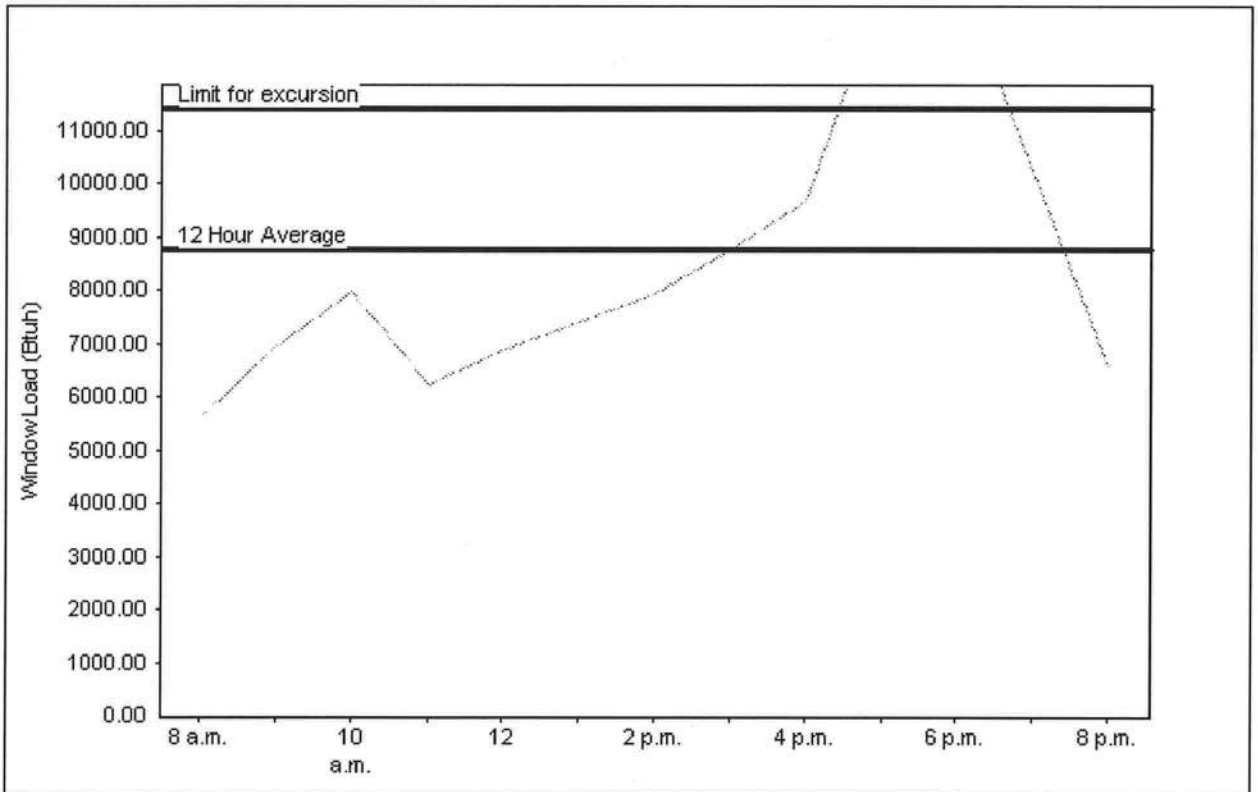
Class 3 Rating
Registration No. 0
Climate: North

12/1/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	8774 Btuh
Summer setpoint	75 F	Peak window load for July	13801 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	11407 Btu
Latitude	29 North	Window excursion (July)	2394 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY:
DATE: 12-1-06

256.92

PERMIT#25419

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By Donnie Dow Deputy Clerk
Date 4-30-07

THIS INSTRUMENT PREPARED BY
& RETURN TO:
Columbia Bank
173 NW Hillsboro Street
Lake City, FL 32055

Inst:200700961 Date:04/30/2007 Time:13:34
DC,P.DeWitt Cason,Columbia County B:1117 P:2379

NOTICE OF COMMENCEMENT

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

1. Description of Property: Lot 23, Huntington at Woodcrest Subdivision according to the Tax Parcel # 11-4S-16-02905-223 of the Public Records of Columbia County, Florida.

2. General Description of Improvements: Construction of a single family dwelling.

3. Owner Information: Cypress Homes & Land LLC
400 SW Ainsley Glen
Lake City, Fl 32024
Phone: 386-867-5633

Owner's Interest in Property: Fee Simple

4. Contractor: Rob Stewart, LC

Lake City, Fl 32024
Phone 386

5. Lender: Columbia Bank
173 NW Hillsboro Street
Lake City, FL 32055

6. Additional 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:

7. Expiration date of Notice of Commencement is one (1) year from the date of recording.

Cypress Homes & Land LLC
Timothy J. Carrender

STATE OF FLORIDA
COUNTY OF Columbia

The foregoing instrument was acknowledged before me this 27th day of April, 2007 by Timothy J. Carrender

NOTARY PUBLIC
Janice Elaine Gonzalez
Name:
State of Florida at Large (SEAL)
Personally Known:
Produced Identification:
Type:
My Commission Expires:

JANICE ELAINE GONZALEZ
MY COMMISSION # DD 539192
EXPIRES: April 11, 2010
Bonded Thru Notary Public Underwriters

(NOC)

#25692

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

Land Surveyors and Mappers

05/29/07

L-18436

To Whom It May Concern:

C/o: Gary Martin

Re: Lot 23 Huntington at Woodcrest

The elevation of the foundation wall is found to be 125.29 feet. The minimum finished floor elevation is 123.00 feet according to the plat of record. The highest adjacent grade is 123.0 feet and the lowest adjacent grade is 122.7 feet. The elevations shown hereon are based on NGVD 29 datum.

L. Scott Britt
PLS #5757

Project Information for:	L218299		
Builder:	MARTIN HOME BUILDERS	Date:	11/27/2006
Lot:	LOT 23 HUNINGTON	Start Number:	**1202**
Subdivision:	N/A	SEI Ref:	L218299
County or City:	COLUMBIA COUNTY		
Truss Page Count:	40		

Truss Design Load Information (UNO) Design Program: MiTek

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

Note: See individual truss drawings for special loading conditions

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

MARTIN,BENNETT G CBC059077
Address: PO BOX 1831
LAKE CITY,FLORIDA 32056 Designer: 100

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

Notes:

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

#	Truss ID	Dwg. #	Seal Date	#	Truss ID	Dwg. #	Seal Date
1	CJ1	1127061202	11/27/2006				
2	CJ3	1127061203	11/27/2006				
3	CJ3A	1127061204	11/27/2006				
4	CJ5	1127061205	11/27/2006				
5	EJ3	1127061206	11/27/2006				
6	EJ5	1127061207	11/27/2006				
7	EJ5A	1127061208	11/27/2006				
8	EJ5B	1127061209	11/27/2006				
9	EJ7	1127061210	11/27/2006				
10	HJ4	1127061211	11/27/2006				
11	HJ7	1127061212	11/27/2006				
12	HJ7A	1127061213	11/27/2006				
13	HJ9	1127061214	11/27/2006				
14	T01	1127061215	11/27/2006				
15	T02	1127061216	11/27/2006				
16	T03	1127061217	11/27/2006				
17	T04	1127061218	11/27/2006				
18	T05	1127061219	11/27/2006				
19	T06	1127061220	11/27/2006				
20	T07	1127061221	11/27/2006				
21	T08	1127061222	11/27/2006				
22	T09	1127061223	11/27/2006				
23	T10	1127061224	11/27/2006				
24	T11	1127061225	11/27/2006				
25	T12	1127061226	11/27/2006				
26	T13	1127061227	11/27/2006				
27	T15	1127061228	11/27/2006				
28	T16	1127061229	11/27/2006				
29	T17	1127061230	11/27/2006				
30	T18	1127061231	11/27/2006				
31	T19	1127061232	11/27/2006				
32	T20	1127061233	11/27/2006				
33	T21	1127061234	11/27/2006				
34	T22	1127061235	11/27/2006				
35	T23	1127061236	11/27/2006				
36	T24	1127061237	11/27/2006				
37	T25G	1127061238	11/27/2006				
38	T26	1127061239	11/27/2006				
39	T28	1127061240	11/27/2006				
40	T28G	1127061241	11/27/2006				

NOV 27 2006

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Change My Address
View Messages
Change My PIN
View Continuing Ed

Term Glossary
Online Help

Licensee Details

Licensee Information

Name:	**MARTIN, BENNETT G (Primary Name)** **MARTIN HOME BUILDERS INC (DBA Name)**
Main Address:	**PO BOX 1831** **LAKE CITY Florida 32056**
County:	**COLUMBIA**
License Mailing:	
LicenseLocation:	**RT 9 BOX 1051** **LAKE CITY FL 32024**
County:	**COLUMBIA**

License Information

License Type:	**Certified Building Contractor**
Rank:	**Cert Building**
License Number:	**CBC059077**
Status:	**Current,Active**
Licensure Date:	**08/03/1999**
Expires:	**08/31/2006**

Special Qualifications	**Qualification Effective**
Bldg Code Core Course Credit	
Qualified Business License Required	**02/20/2004**

View Related License Information

View License Complaint

Dwg.#1127061202

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	CJ1	JACK	14	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:37:21 2006 Page 1

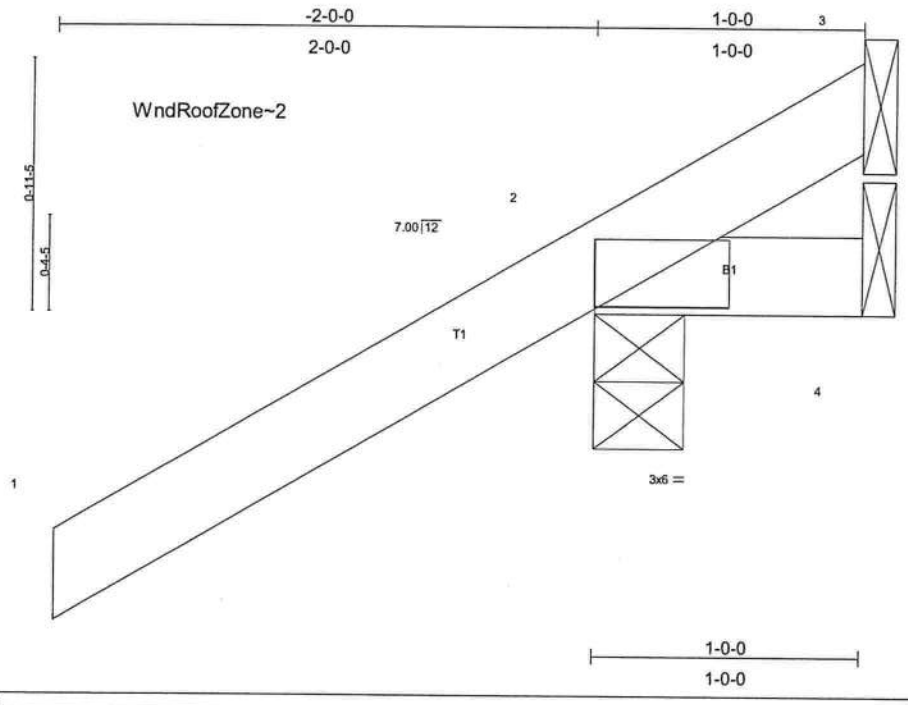

Plate Offsets (X,Y): [2:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 7 lb	

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

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

REACTIONS (lb/size) 2=267/0-4-0, 4=14/Mechanical, 3=-91/Mechanical
Max Horz 2=101(load case 5)
Max Uplift2=-296(load case 5), 4=-11(load case 3), 3=-91(load case 1)
Max Grav 2=267(load case 1), 4=14(load case 1), 3=137(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/53, 2-3=-78/87
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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 296 lb uplift at joint 2, 11 lb uplift at joint 4 and 91 lb uplift at joint 3.

LOAD CASE(S) Standard

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

Dwg.#1127061203

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	CJ3	JACK	6	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:37:24 2006 Page 1

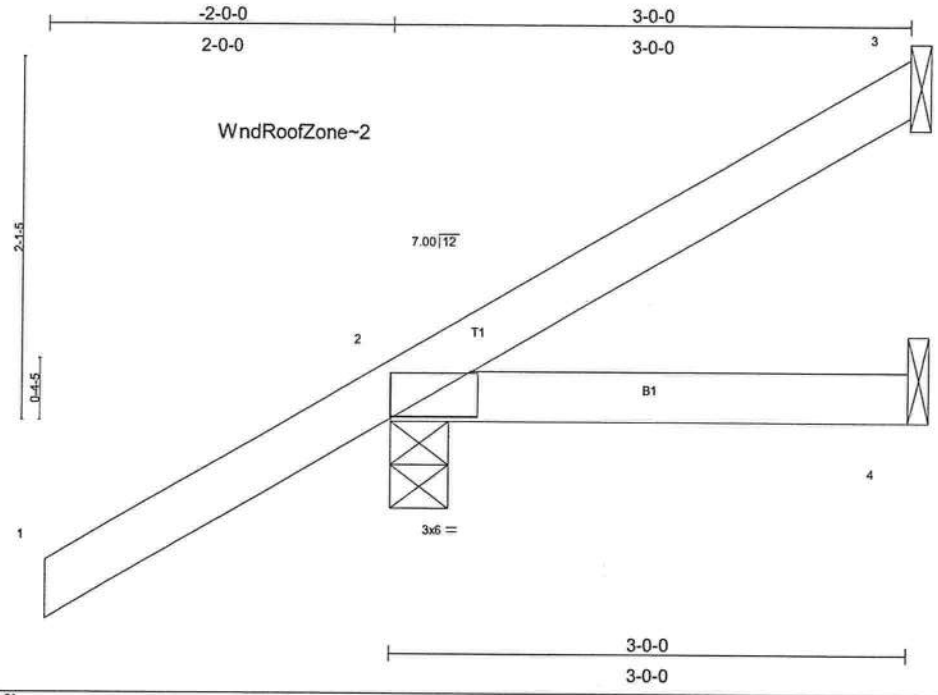

Plate Offsets (X,Y): [2:0-3-3,0-1-8]

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

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

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

REACTIONS (lb/size) 3=29/Mechanical, 2=279/0-4-0, 4=42/Mechanical
Max Horz 2=154(load case 5)
Max Uplift3=-30(load case 6), 2=-237(load case 5), 4=-33(load case 3)
Max Grav 3=31(load case 3), 2=279(load case 1), 4=42(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-65/15
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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 30 lb uplift at joint 3, 237 lb uplift at joint 2 and 33 lb uplift at joint 4.

LOAD CASE(S) Standard

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

Dwg.#1127061204

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	CJ3A	SPECIAL	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:37:27 2006 Page 1

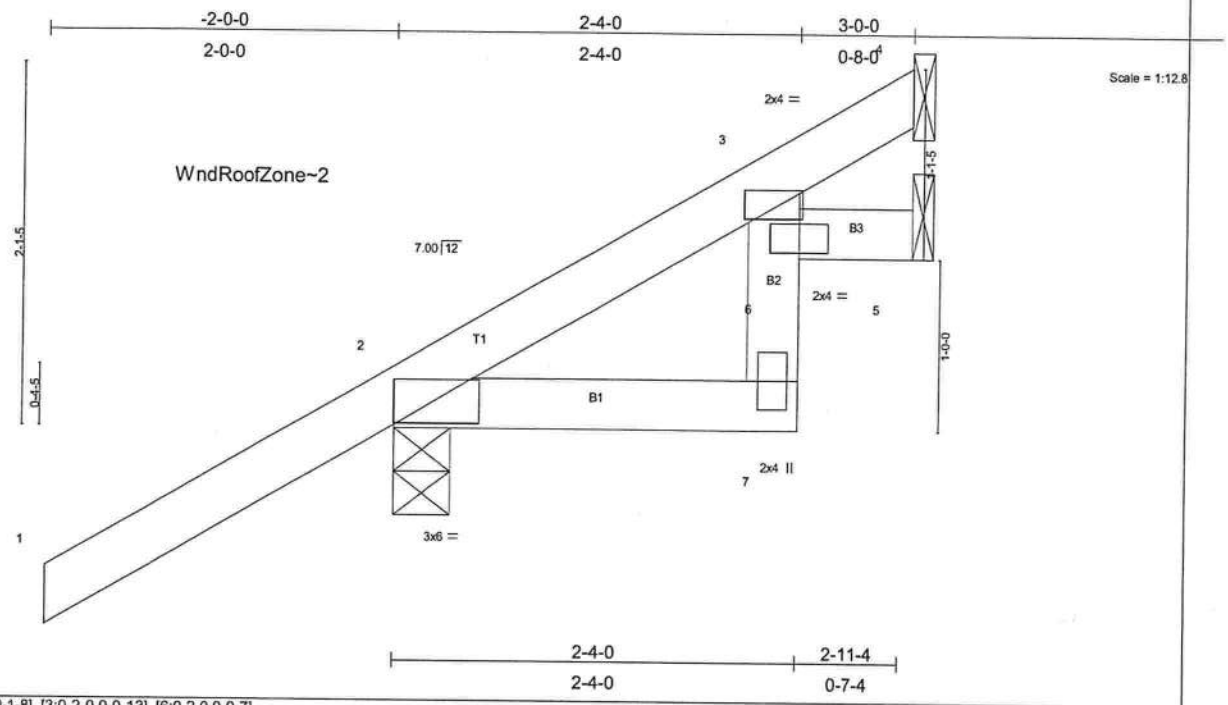

Plate Offsets (X,Y): [2:0-3-3,0-1-8], [3:0-2-0,0-0-13], [6:0-2-0,0-0-7]

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)	0.00	2	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.13	Vert(TL)	0.00	2-7	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 15 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 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 6-0-0 oc bracing.

REACTIONS (lb/size) 4=38/Mechanical, 2=279/0-4-0, 5=33/Mechanical
Max Horz 2=154(load case 5)
Max Uplift4=-20(load case 5), 2=-202(load case 5), 5=-6(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-90/0, 3-4=-14/17
BOT CHORD 2-7=-3/44, 6-7=-2/67, 3-6=-12/56, 5-6=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 20 lb uplift at joint 4, 202 lb uplift at joint 2 and 6 lb uplift at joint 5.

LOAD CASE(S) Standard

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

Dwg.#1127061205

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	CJ5	JACK	4	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:37:30 2006 Page 1

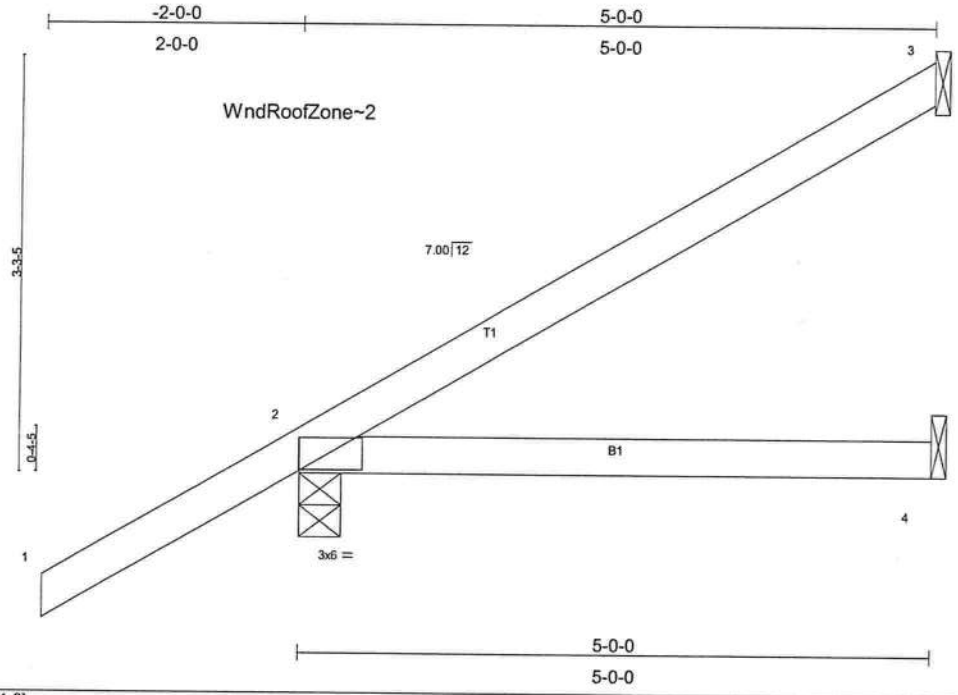

Plate Offsets (X,Y): [2:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.09	2-4	>671	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	0.07	2-4	>784	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: 20 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=102/Mechanical, 2=344/0-4-0, 4=72/Mechanical
Max Horz 2=207(load case 5)
Max Uplift3=-95(load case 5), 2=-252(load case 5), 4=-56(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-81/40
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; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 95 lb uplift at joint 3, 252 lb uplift at joint 2 and 56 lb uplift at joint 4.

LOAD CASE(S) Standard

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

Dwg.#1127061206

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	EJ3	JACK	8	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:37:32 2006 Page 1

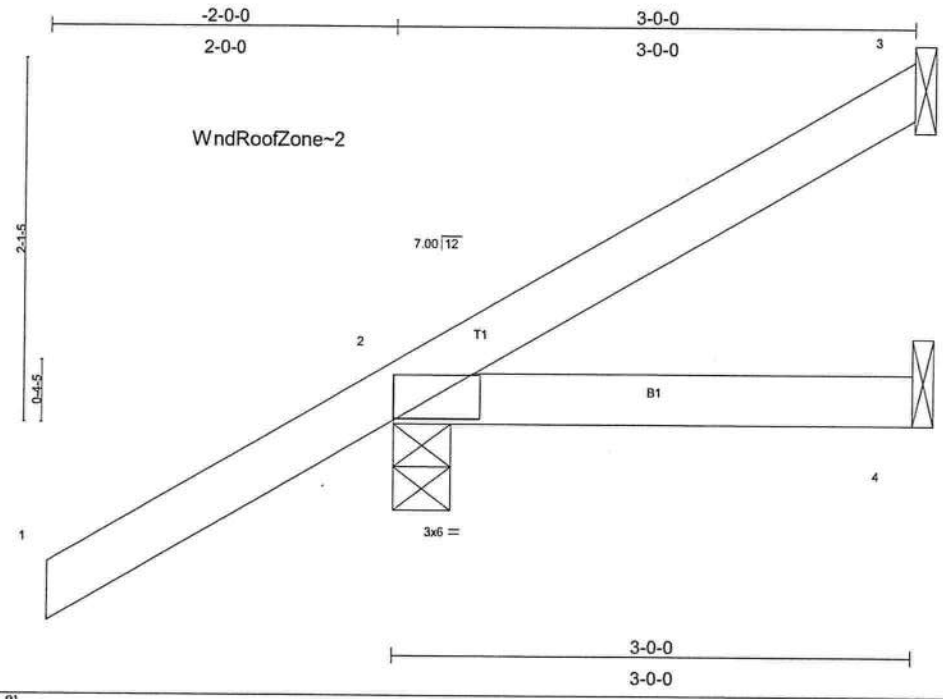

Plate Offsets (X,Y): [2:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb	

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

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

REACTIONS (lb/size) 3=29/Mechanical, 2=279/0-4-0, 4=42/Mechanical
Max Horz 2=154(load case 5)
Max Uplift3=-30(load case 6), 2=-202(load case 5)
Max Grav 3=31(load case 3), 2=279(load case 1), 4=42(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-65/15
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 30 lb uplift at joint 3 and 202 lb uplift at joint 2.

LOAD CASE(S) Standard

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

Dwg.#1127061207

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	EJ5	JACK	5	1	Job Reference (optional)

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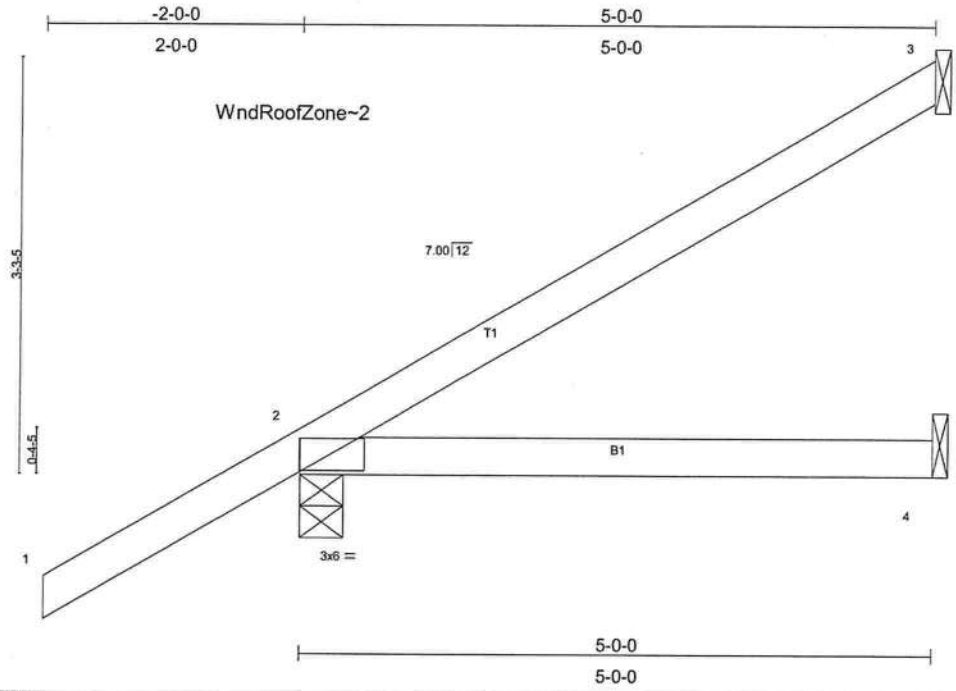

Plate Offsets (X,Y): [2:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.03	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.05	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 20 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=102/Mechanical, 2=344/0-4-0, 4=72/Mechanical
Max Horz 2=207(load case 5)
Max Uplift3=-95(load case 5), 2=-192(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-81/40
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 95 lb uplift at joint 3 and 192 lb uplift at joint 2.

LOAD CASE(S) Standard

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

Dwg.#1127061208

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	EJ5A	SPECIAL	5	1	Job Reference (optional)

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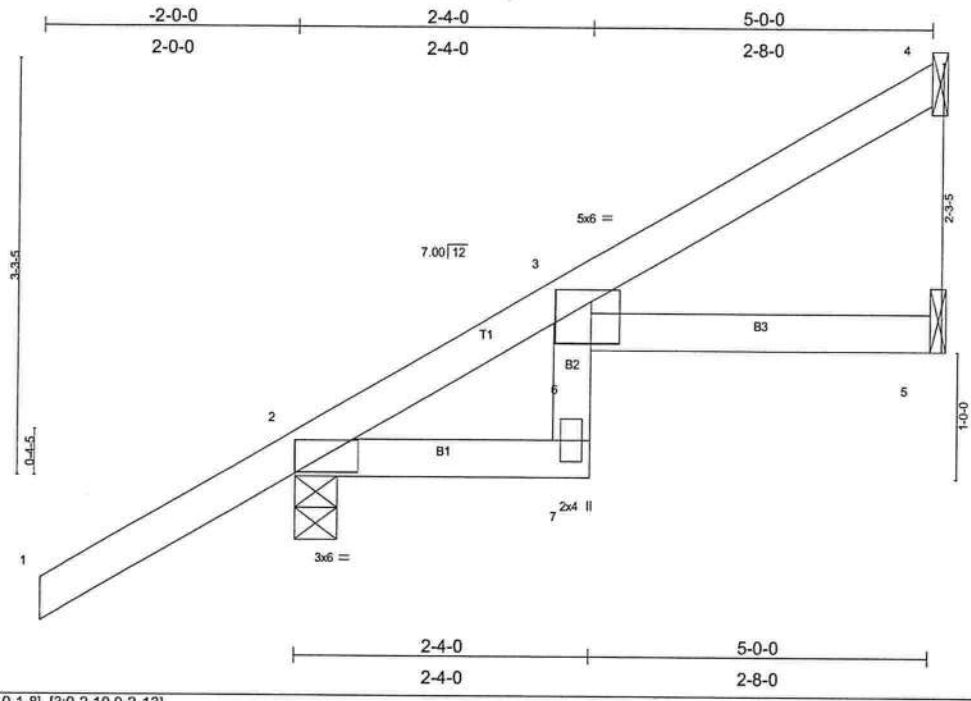

Plate Offsets (X,Y): [2:0-3-4,0-1-8], [3:0-2-10,0-2-13]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.03	5-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.04	5-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.02	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 21 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 2 X 4 SYP No.3

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) 4=96/Mechanical, 2=344/0-4-0, 5=78/Mechanical
Max Horz 2=207(load case 5)
Max Uplift4=-72(load case 5), 2=-192(load case 5), 5=-9(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-181/0, 3-4=-47/41
BOT CHORD 2-7=-35/98, 6-7=0/66, 3-6=0/86, 5-6=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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 72 lb uplift at joint 4, 192 lb uplift at joint 2 and 9 lb uplift at joint 5.

LOAD CASE(S) Standard

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

Dwg.#1127061209

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	EJ5B	JACK	1	2	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055

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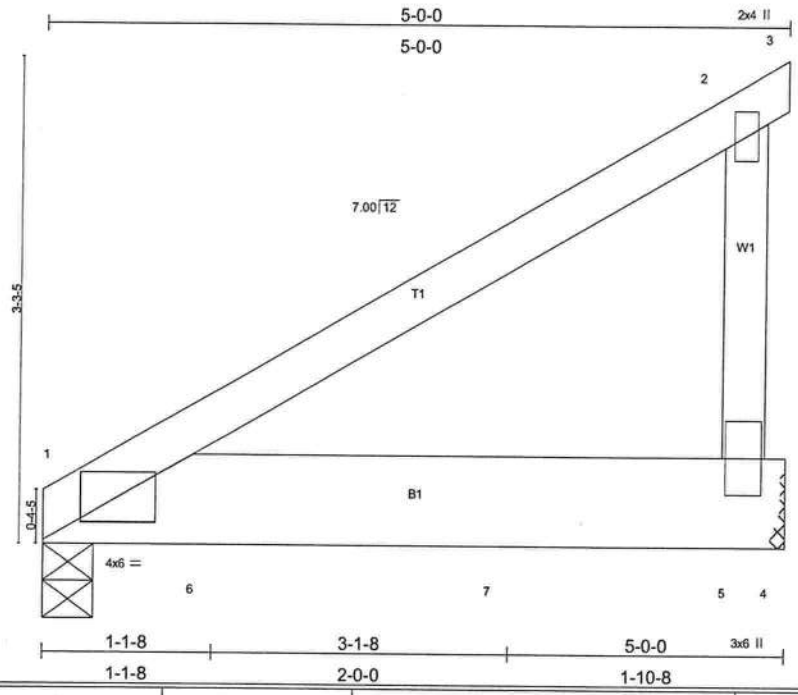

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.02	1-5	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	-0.03	1-5	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.02	Horz(TL)	0.00		n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 55 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

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

REACTIONS (lb/size) 1=1354/0-4-0, 5=912/Mechanical
Max Horz 1=128(load case 4)
Max Uplift1=-472(load case 4), 5=-386(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-86/49, 2-3=-2/0
BOT CHORD 1-6=0/0, 6-7=0/0, 5-7=0/0, 4-5=0/0
WEBS 2-5=-127/134

NOTES
1) 2-ply truss to be connected together with 10d (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 8 - 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) 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.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 472 lb uplift at joint 1 and 386 lb uplift at joint 5.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1161 lb down and 438 lb up at 1-1-8, and 711 lb down and 268 lb up at 3-1-8 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: 1-2=-54, 2-3=-14, 1-4=-30
Concentrated Loads (lb)
Vert: 6=-1161(F) 7=-711(F)

NOVEMBER 27, 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.#1127061210

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	EJ7	JACK	29	1	Job Reference (optional)

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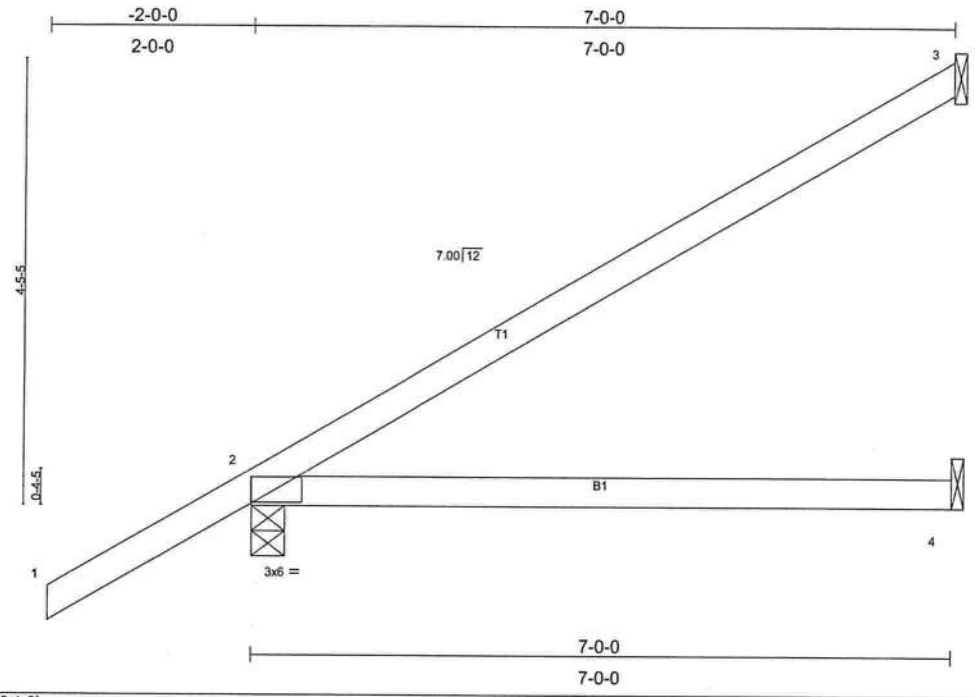

Plate Offsets (X,Y): [2:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.12	2-4	>667	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.20	2-4	>399	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=161/Mechanical, 2=420/0-4-0, 4=104/Mechanical
Max Horz 2=261(load case 5)
Max Uplift3=-146(load case 5), 2=-198(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-106/64
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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 146 lb uplift at joint 3 and 198 lb uplift at joint 2.

LOAD CASE(S) Standard

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

Dwg.#1127061211

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	HJ4	JACK	2	1	Job Reference (optional)

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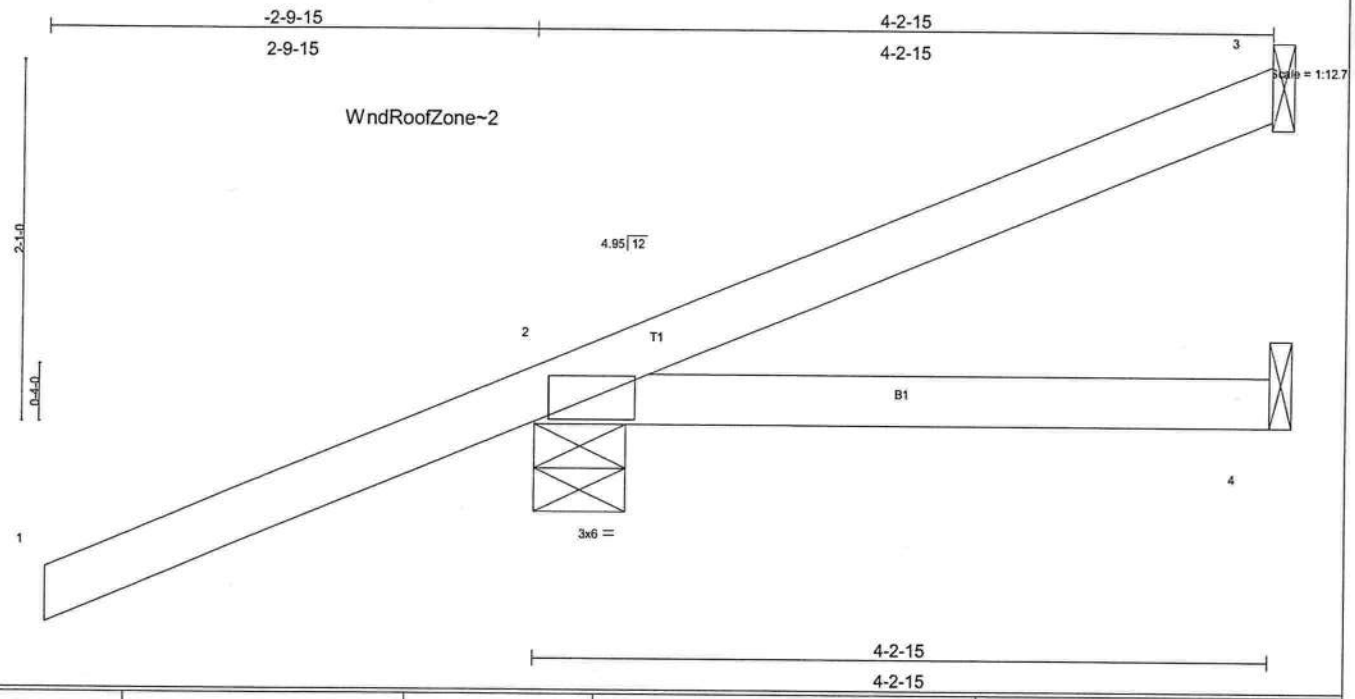

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	-0.01	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.07	Vert(TL)	-0.01	2-4	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 18 lb	

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

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

REACTIONS (lb/size) 3=11/Mechanical, 2=296/0-6-7, 4=42/Mechanical
Max Horz 2=113(load case 4)
Max Uplift3=-4(load case 5), 2=-257(load case 4)
Max Grav 3=36(load case 6), 2=296(load case 1), 4=42(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=-44/14
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; 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 4 lb uplift at joint 3 and 257 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: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-4(F=25, B=25)-to-3=-57(F=-2, B=-2), 2=0(F=15, B=15)-to-4=-32(F=-1, B=-1)

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

Dwg.#1127061212

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	HJ7	MONO TRUSS	1	1	Job Reference (optional)

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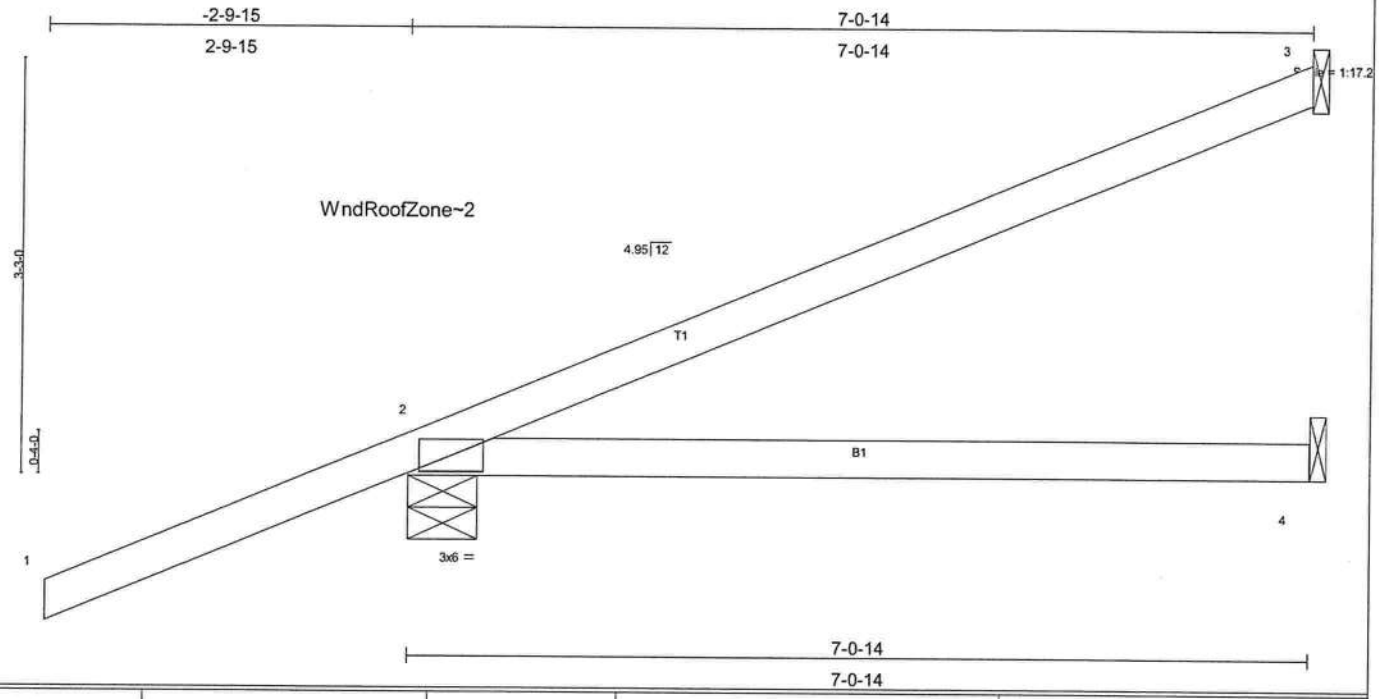

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	-0.07	2-4	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.27	Vert(TL)	-0.13	2-4	>642	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 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 7-0-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=190/Mechanical, 2=381/0-6-7, 4=110/Mechanical
Max Horz 2=195(load case 4)
Max Uplift3=-153(load case 4), 2=-243(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=-81/51
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; 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 153 lb uplift at joint 3 and 243 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: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-4(F=25, B=25)-to-3=-95(F=-21, B=-21), 2=0(F=15, B=15)-to-4=-53(F=-12, B=-12)

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

Dwg.#1127061213

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	HJ7A	SPECIAL	2	1	Job Reference (optional)

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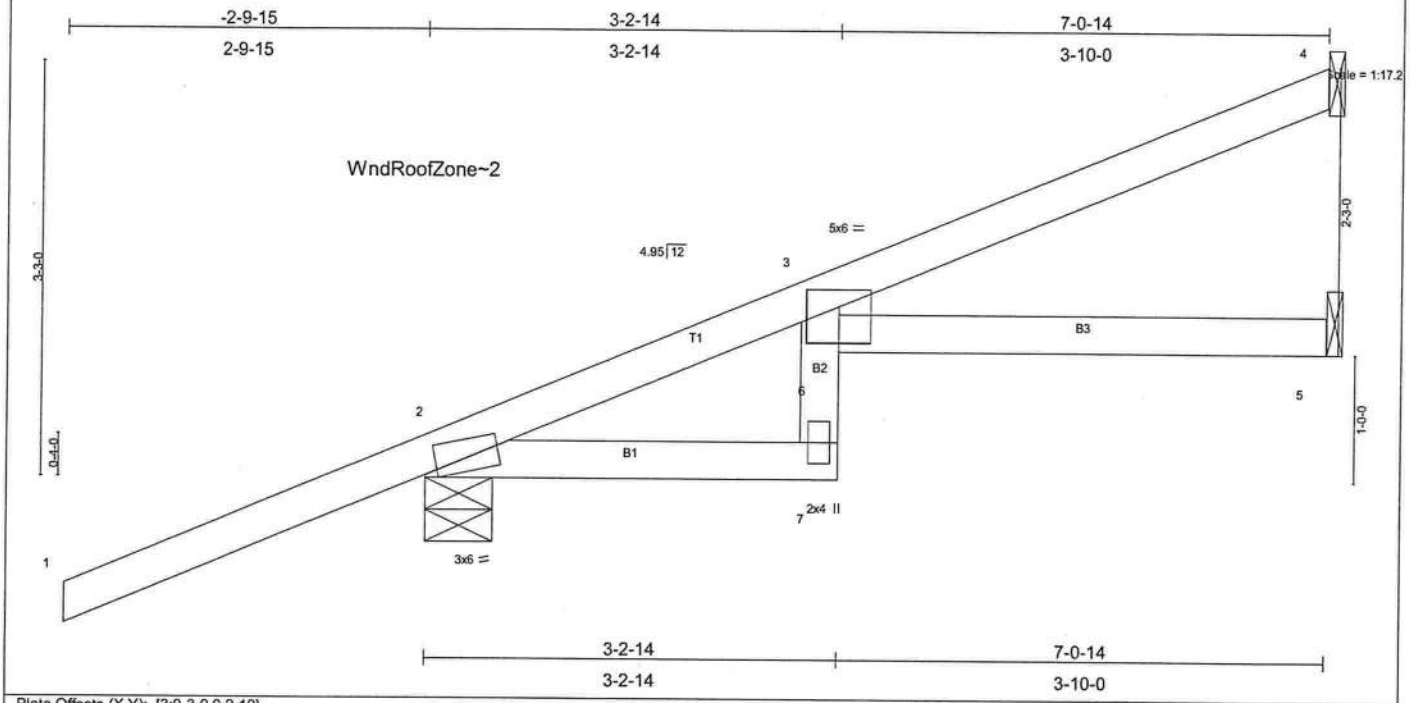


Plate Offsets (X,Y): [3:0-3-0,0-2-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.55	Vert(LL)	-0.09	5-6	>893	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.46	Vert(TL)	-0.15	5-6	>547	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	0.05	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 28 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B2 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) 4=175/Mechanical, 2=381/0-6-7, 5=125/Mechanical
Max Horz 2=191(load case 4)
Max Uplift4=-124(load case 4), 2=-244(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=-175/0, 3-4=-63/53
BOT CHORD 2-7=-8/118, 6-7=-20/80, 3-6=0/109, 5-6=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; 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 124 lb uplift at joint 4 and 244 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: 1-2=-54
Trapezoidal Loads (plf)
Vert: 2=-4(F=25, B=25)-to-4=-95(F=-21, B=-21), 2=0(F=15, B=15)-to-7=-22(F=4, B=4), 6=-22(F=4, B=4)-to-5=-53(F=-12, B=-12)

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

Dwg.#1127061214

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	HJ9	MONO TRUSS	2	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:37:55 2006 Page 1

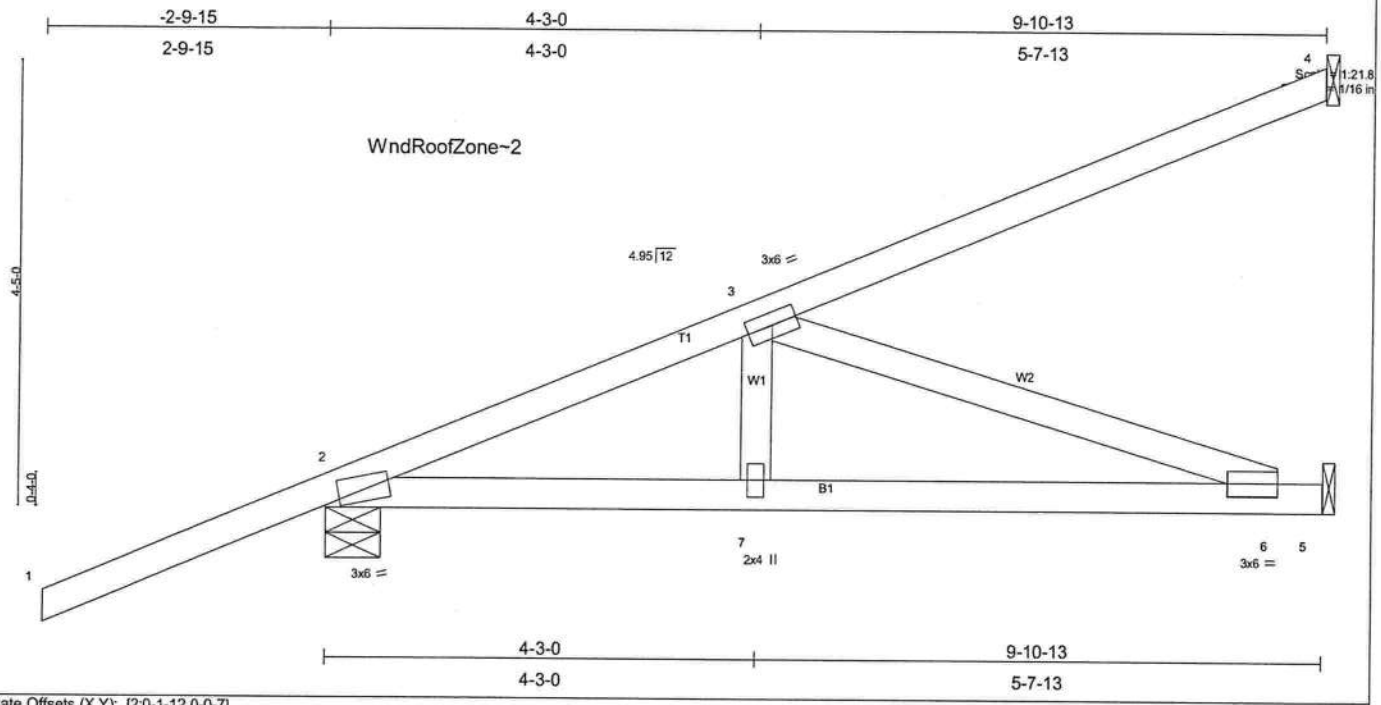


Plate Offsets (X,Y): [2:0-1-12,0-0-7]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	-0.11	6-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.18	6-7	>648	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.42	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 46 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-3-8 oc bracing.

REACTIONS (lb/size) 4=269/Mechanical, 2=537/0-6-7, 5=373/Mechanical
Max Horz 2=316(load case 4)
Max Uplift4=-249(load case 4), 2=-384(load case 4), 5=-189(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/58, 2-3=-777/274, 3-4=-127/75
BOT CHORD 2-7=-483/700, 6-7=-483/700, 5-6=0/0
WEBS 3-7=-94/189, 3-6=-740/510

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; porch left and right 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 249 lb uplift at joint 4, 384 lb uplift at joint 2 and 189 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=-4(F=25, B=25)-to-4=-134(F=-40, B=-40), 2=0(F=15, B=15)-to-5=-74(F=-22, B=-22)

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

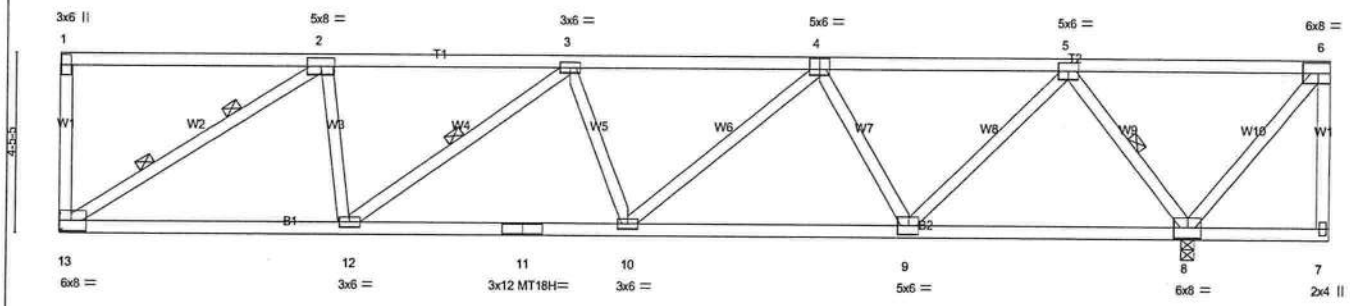
Dwg.#1127061215

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T01	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:37:58 2006 Page 1

6-5-11	12-7-14	18-10-2	25-0-5	31-6-0
6-5-11	6-2-3	6-2-3	6-2-3	6-5-11

Scale = 1:54.5
Camber = 3/16 in



7-2-10	14-1-12	21-0-14	28-0-0	31-6-0
7-2-10	6-11-2	6-11-2	6-11-2	3-6-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.73	Vert(LL)	-0.27	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-0.44	10-12	>757	180	MT18H	244/190
BCLL	10.0	Rep Stress Incr	NO	WB	0.88	Horz(TL)	0.13	8	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.1D
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.2, W1 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-5-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 5-2-6 oc bracing.
WEBS 1 Row at midpt 3-12, 5-8
2 Rows at 1/3 pts 2-13

REACTIONS (lb/size) 13=2558/Mechanical, 8=3258/0-4-0
Max Uplift13=-966(load case 2), 8=-1230(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-13=-366/246, 1-2=-135/46, 2-3=-3330/1230, 3-4=-4271/1574, 4-5=-3093/1118, 5-6=-147/261, 6-7=-4/66
BOT CHORD 12-13=-1195/3125, 11-12=-1644/4276, 10-11=-1644/4276, 9-10=-1450/3737, 8-9=-622/1503, 7-8=-54/75
WEBS 2-13=-3574/1373, 2-12=-206/1206, 3-12=-1189/520, 3-10=-16/208, 4-10=-164/712, 4-9=-1361/702, 5-9=-720/2305, 5-8=-3028/1320, 6-8=-535/320

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) All plates are MT20 plates unless otherwise indicated.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 966 lb uplift at joint 13 and 1230 lb uplift at joint 8.
6) Girder carries hip end with 0-0-0 right side setback, 0-0-0 left side setback, and 7-0-0 end setback.
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: 1-6=-120(F=-66), 7-13=-67(F=-37)

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

Dwg.#1127061216

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T02	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:38:01 2006 Page 1

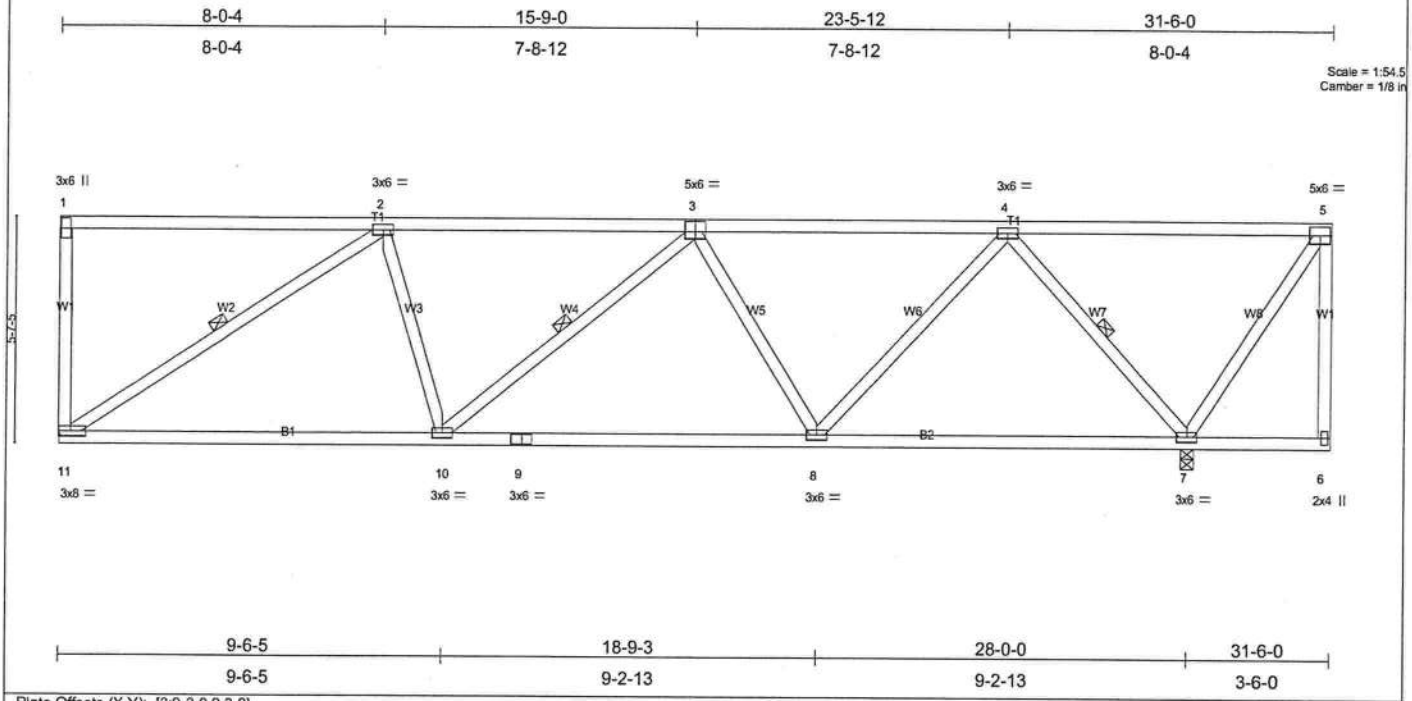


Plate Offsets (X,Y): [3:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.75	Vert(LL)	-0.15	10-11	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.26	10-11	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.64	Horz(TL)	0.05	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 180 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 5-0-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-2-13 oc bracing.
WEBS 1 Row at midpt 2-11, 3-10, 4-7

REACTIONS (lb/size) 11=1153/Mechanical, 7=1469/0-4-0
Max Uplift11=-435(load case 3), 7=-554(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-11=-201/135, 1-2=-70/20, 2-3=-1385/500, 3-4=-1318/467, 4-5=-65/93, 5-6=-12/11
BOT CHORD 10-11=-498/1279, 9-10=-585/1494, 8-9=-585/1494, 7-8=-331/792, 6-7=-29/37
WEBS 2-11=-1458/576, 2-10=-9/391, 3-10=-143/112, 3-8=-357/239, 4-8=-205/792, 4-7=-1366/611, 5-7=-243/175

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Provide adequate drainage to prevent water ponding.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 435 lb uplift at joint 11 and 554 lb uplift at joint 7.

LOAD CASE(S) Standard

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

Dwg.#1127061220

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T06	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:38:14 2006 Page 1

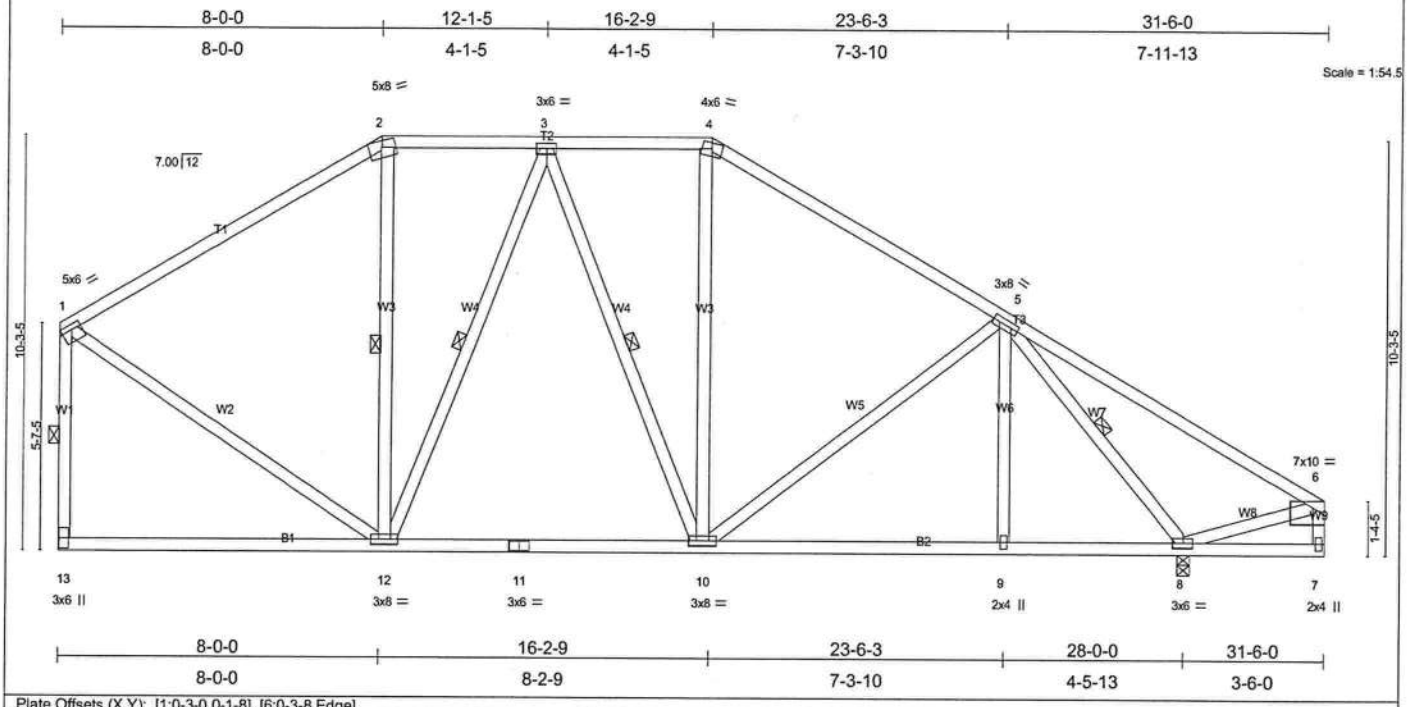


Plate Offsets (X,Y): [1:0-3-0,0-1-8], [6:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.85	Vert(LL)	-0.08	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.35	Vert(TL)	-0.14	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.42	Horz(TL)	0.03	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 219 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 5-10-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 2-12, 3-12, 3-10, 5-8, 1-13

REACTIONS (lb/size) 13=1153/Mechanical, 8=1469/0-4-0
Max Horz 13=-290(load case 3)
Max Uplift13=-336(load case 5), 8=-449(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-908/310, 2-3=-695/349, 3-4=-805/405, 4-5=-1036/379, 5-6=-53/322, 1-13=-1036/350, 6-7=0/46
BOT CHORD 12-13=-197/306, 11-12=-264/772, 10-11=-264/772, 9-10=-144/767, 8-9=-144/767, 7-8=-224/252
WEBS 2-12=-79/165, 3-12=-312/280, 3-10=-115/206, 4-10=-52/201, 5-10=-156/183, 5-9=0/182, 5-8=-1538/448, 1-12=-239/760, 6-8=-460/378

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 336 lb uplift at joint 13 and 449 lb uplift at joint 8.

LOAD CASE(S) Standard

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

Dwg.#1127061221

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T07	HIP	1	1	Job Reference (optional)

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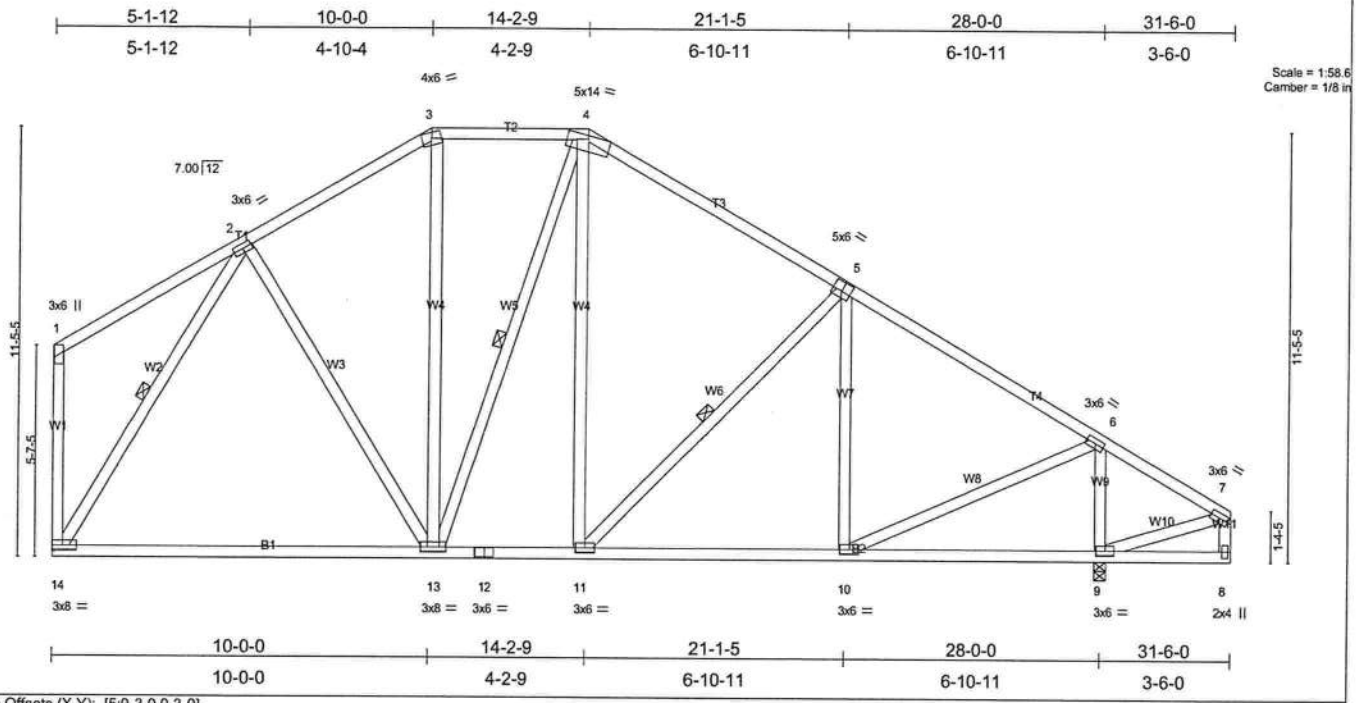


Plate Offsets (X,Y): [5:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.72	Vert(LL)	-0.21	13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.36	13-14	>930	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.43	Horz(TL)	0.02	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 231 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 5-9-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-13, 5-11, 2-14

REACTIONS (lb/size) 9=1469/0-4-0, 14=1153/Mechanical
Max Horz 14=-331(load case 3)
Max Uplift9=-458(load case 6), 14=-349(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-132/81, 2-3=-859/374, 3-4=-683/368, 4-5=-940/392, 5-6=-1079/362, 6-7=-22/148, 1-14=-166/114, 7-8=0/21
BOT CHORD 13-14=-256/557, 12-13=-142/729, 11-12=-142/729, 10-11=-137/856, 9-10=-66/38, 8-9=-9/5
WEBS 2-13=-148/297, 3-13=-110/206, 4-13=-220/216, 4-11=-155/263, 5-11=-212/246, 5-10=-186/119, 6-10=-175/1008, 6-9=-1270/478, 2-14=-977/339, 7-9=-61/35

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 458 lb uplift at joint 9 and 349 lb uplift at joint 14.

LOAD CASE(S) Standard

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

Dwg.#1127061222

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T08	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:38:21 2006 Page 1

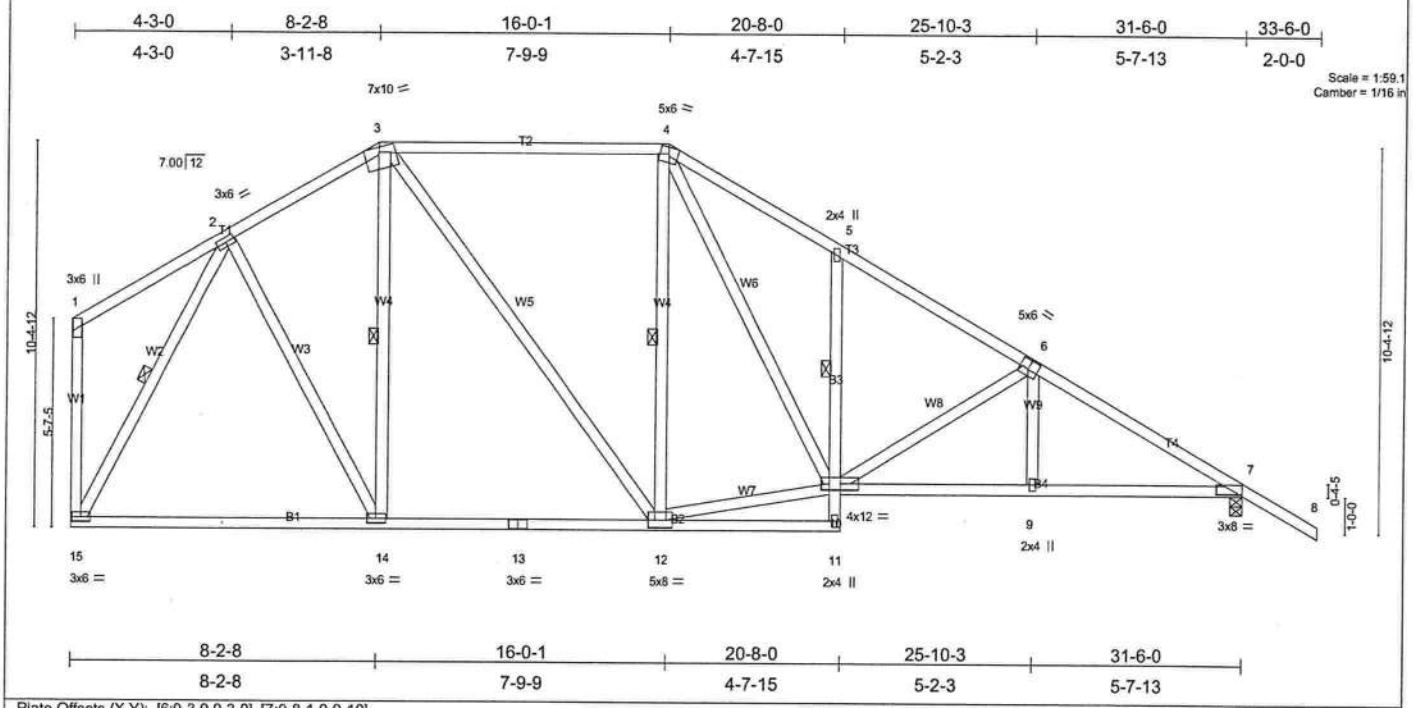


Plate Offsets (X,Y): [6:0-3-0,0-3-0], [7:0-8-1,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.44	Vert(LL)	-0.11	9-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.18	9-10	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.68	Horz(TL)	0.07	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 228 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
B3 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-9 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing. Except:
1 Row at midpt 5-10
WEBS 1 Row at midpt 3-14, 4-12, 2-15

REACTIONS (lb/size) 7=1431/0-4-0, 15=1306/Mechanical
Max Horz 15=-341(load case 6)
Max Uplift7=-526(load case 6), 15=-371(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-105/71, 2-3=-977/372, 3-4=-1035/473, 4-5=-1688/681, 5-6=-1742/541, 6-7=-2183/598, 7-8=0/54, 1-15=-144/100
BOT CHORD 14-15=-239/583, 13-14=-245/814, 12-13=-245/814, 11-12=-27/81, 10-11=0/59, 5-10=-205/248, 9-10=-348/1797, 7-9=-347/1801
WEBS 2-14=-238/526, 3-14=-209/261, 3-12=-222/422, 4-12=-347/216, 10-12=-160/981, 4-10=-378/860, 6-10=-427/227, 6-9=0/179, 2-15=-1180/359

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 526 lb uplift at joint 7 and 371 lb uplift at joint 15.

LOAD CASE(S) Standard

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

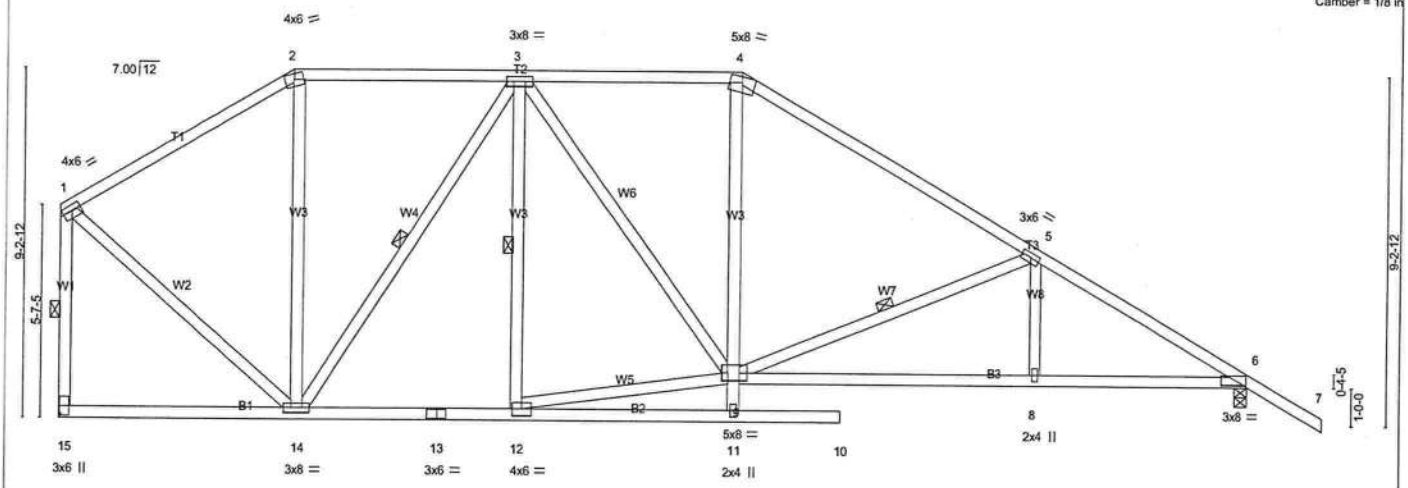
Dwg.#1127061223

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T09	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:38:24 2006 Page 1

6-2-8	12-1-5	18-0-1	25-10-3	31-6-0	33-6-0
6-2-8	5-10-13	5-10-13	7-10-2	5-7-13	2-0-0

Scale = 1:58.2
Camber = 1/8 in



6-2-8	12-1-5	18-0-1	20-8-0	25-10-3	31-6-0
6-2-8	5-10-13	5-10-13	2-7-15	5-2-3	5-7-13

Plate Offsets (X,Y): [1:Edge,0-1-12], [6:0-8-1,0-0-10], [9:0-2-8,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.47	Vert(LL)	-0.21	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.36	8-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.38	Horz(TL)	0.07	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 218 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-14, 3-12, 5-9, 1-15

REACTIONS (lb/size) 15=1337/Mechanical, 6=1480/0-4-0
Max Horz 15=-324(load case 6)
Max Uplift15=-349(load case 5), 6=-506(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-974/311, 2-3=-777/325, 3-4=-1365/479, 4-5=-1688/452, 5-6=-2326/576, 6-7=0/54, 1-15=-1245/385
BOT CHORD 14-15=-131/312, 13-14=-328/1137, 12-13=-328/1137, 11-12=0/46, 10-11=0/0, 8-9=-341/1931, 6-8=-341/1931
WEBS 2-14=-38/199, 3-14=-713/339, 3-12=-26/86, 3-9=-126/395, 9-11=0/184, 4-9=-60/423, 5-9=-616/327, 5-8=0/248, 1-14=-321/980, 9-12=-333/1107

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 349 lb uplift at joint 15 and 506 lb uplift at joint 6.

LOAD CASE(S) Standard

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

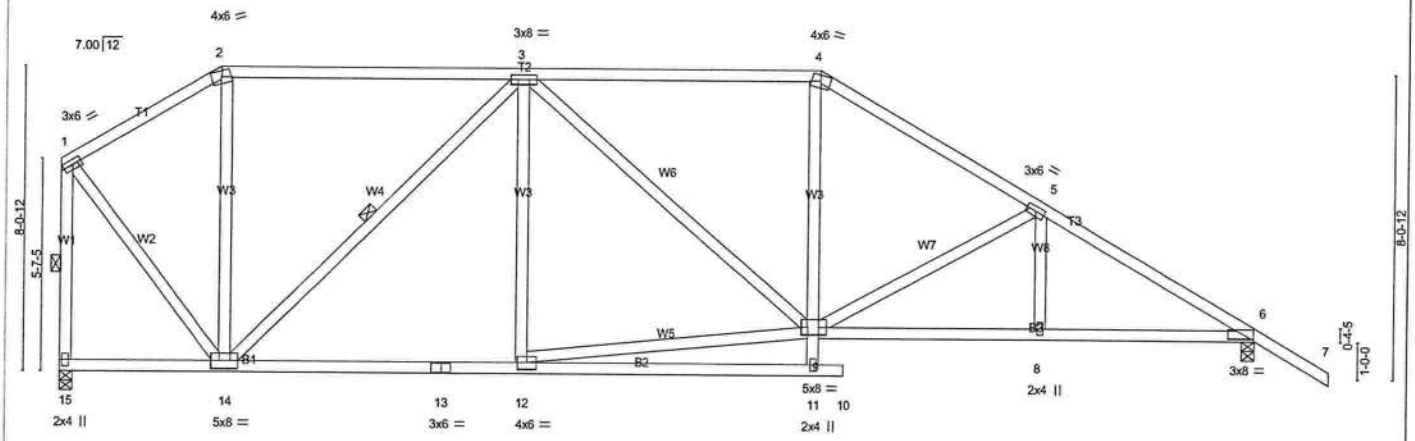
Dwg.#1127061224

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T10	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:38:27 2006 Page 1

4-2-8	12-1-5	20-0-1	25-10-3	31-6-0	33-6-0
4-2-8	7-10-13	7-10-13	5-10-2	5-7-13	2-0-0

Scale = 1:58.2
Camber = 1/8 in



4-2-8	12-1-5	20-8-0	25-10-3	31-6-0
4-2-8	7-10-13	8-6-11	5-2-3	5-7-13

Plate Offsets (X,Y): [6:0-8-1,0-0-10], [9:0-2-8,0-2-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.43	Vert(LL)	-0.18	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.30	11-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.07	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 209 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 4-1-4 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 3-14, 1-15

REACTIONS (lb/size) 15=1313/0-4-0, 6=1444/0-4-0
Max Horz 15=-308(load case 6)
Max Uplift15=-392(load case 4), 6=-501(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-786/262, 2-3=-652/271, 3-4=-1436/561, 4-5=-1739/594, 5-6=-2212/609, 6-7=0/54, 1-15=-1269/399
BOT CHORD 14-15=-79/304, 13-14=-458/1311, 12-13=-458/1311, 11-12=-7/49, 10-11=0/0, 8-9=-432/1824, 6-8=-432/1824
WEBS 2-14=0/112, 3-14=-954/444, 3-12=0/123, 3-9=-88/173, 5-9=-444/241, 5-8=0/201, 1-14=-408/1047, 9-11=0/123, 4-9=-48/462, 9-12=-455/1273

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 392 lb uplift at joint 15 and 501 lb uplift at joint 6.

LOAD CASE(S) Standard

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

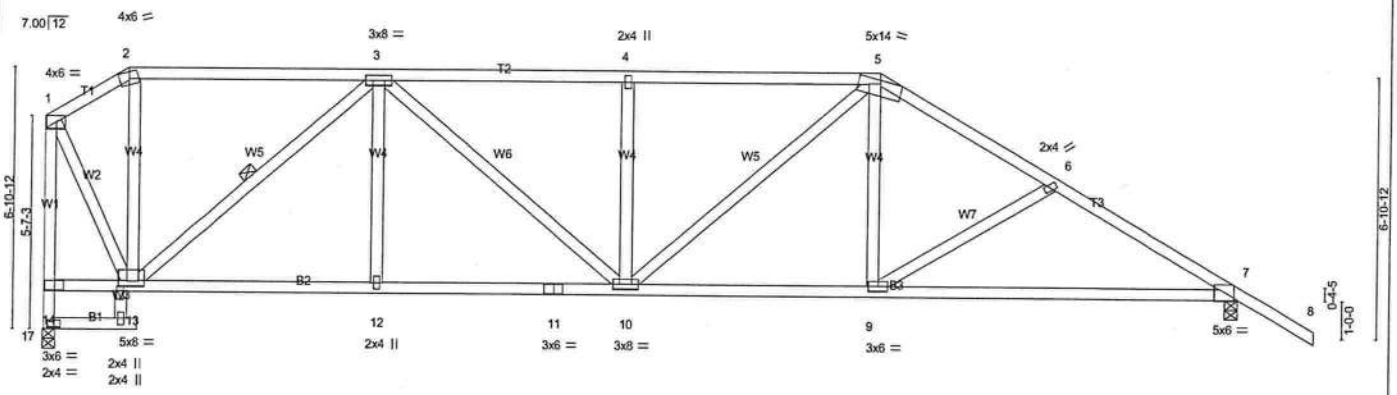
Dwg.#1127061225

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T11	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:38:31 2006 Page 1

2-2-8	8-9-11	15-4-14	22-0-1	26-6-4	31-6-0	33-6-0
2-2-8	6-7-3	6-7-3	6-7-3	4-6-3	4-11-12	2-0-0

Scale = 1:57.9
Camber = 1/8 in



2-4-0	8-9-11	15-4-14	22-0-1	31-6-0
2-4-0	6-5-11	6-7-3	6-7-3	9-5-15

Plate Offsets (X,Y): [7:0-1-3,Edge], [13:0-1-9,0-0-9], [13:0-2-7,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.68	Vert(LL)	-0.22	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.37	7-9	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.09	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 195 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
W1 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-0-11 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-1-3 oc bracing.
WEBS 1 Row at midpt 3-13

REACTIONS (lb/size) 7=1431/0-4-0, 17=1306/0-4-0
Max Horz 17=-291(load case 6)
Max Uplift7=-487(load case 6), 17=-495(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-587/234, 2-3=-514/241, 3-4=-1858/805, 4-5=-1859/805, 5-6=-1876/701, 6-7=-2096/730, 7-8=0/54, 14-17=-1306/495, 1-14=-1299/494
BOT CHORD 13-14=-43/327, 12-13=-614/1512, 11-12=-614/1512, 10-11=-614/1512, 9-10=-449/1579, 7-9=-538/1754
WEBS 3-13=-1327/628, 3-12=0/209, 3-10=-212/459, 4-10=-368/317, 5-10=-349/457, 5-9=-49/370, 6-9=-215/207, 1-13=-456/1137, 2-13=-12/114

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Bearing at joint(s) 17 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 487 lb uplift at joint 7 and 495 lb uplift at joint 17.

LOAD CASE(S) Standard

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

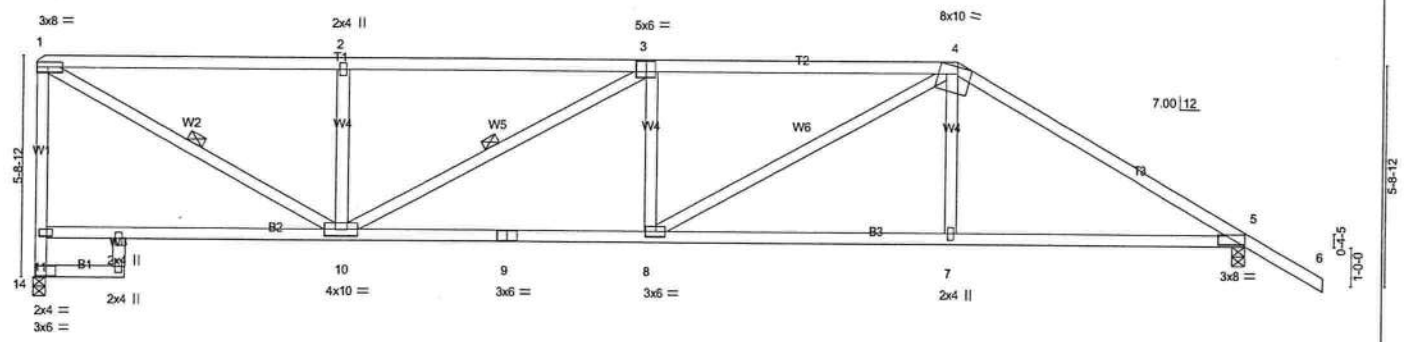
Dwg.#1127061226

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T12	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:38:34 2006 Page 1

0-2-8 | 8-0-0 | 16-0-0 | 24-0-1 | 31-6-0 | 33-6-0
0-2-8 | 7-9-8 | 8-0-0 | 8-0-1 | 7-5-15 | 2-0-0

Scale = 1:57.1
Camber = 1/8 in



2-4-0 | 8-0-0 | 16-0-0 | 24-0-1 | 31-6-0
2-4-0 | 5-8-0 | 8-0-0 | 8-0-1 | 7-5-15

Plate Offsets (X,Y): [3:0-3-0,0-3-4], [4:0-4-1,Edge], [5:0-8-1,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.79	Vert(LL)	-0.20	8-10	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.65	Vert(TL)	-0.33	8-10	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	1.00	Horz(TL)	0.16	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 168 lb	

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

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

REACTIONS (lb/size) 5=1431/0-4-0, 14=1306/0-4-0
Max Horz 14=-277(load case 6)
Max Uplift5=-469(load case 6), 14=-569(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1845/782, 2-3=-1845/782, 3-4=-2367/952, 4-5=-2121/639, 5-6=0/54
BOT CHORD 10-11=0/349, 9-10=-958/2370, 8-9=-958/2370, 7-8=-506/1748, 5-7=-509/1740
WEBS 4-8=-506/810, 4-7=0/256, 11-14=-1306/569, 1-11=-1212/587, 1-10=-899/2119, 2-10=-477/397, 3-8=-163/286, 3-10=-603/228

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Bearing at joint(s) 14 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 469 lb uplift at joint 5 and 569 lb uplift at joint 14.

LOAD CASE(S) Standard

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

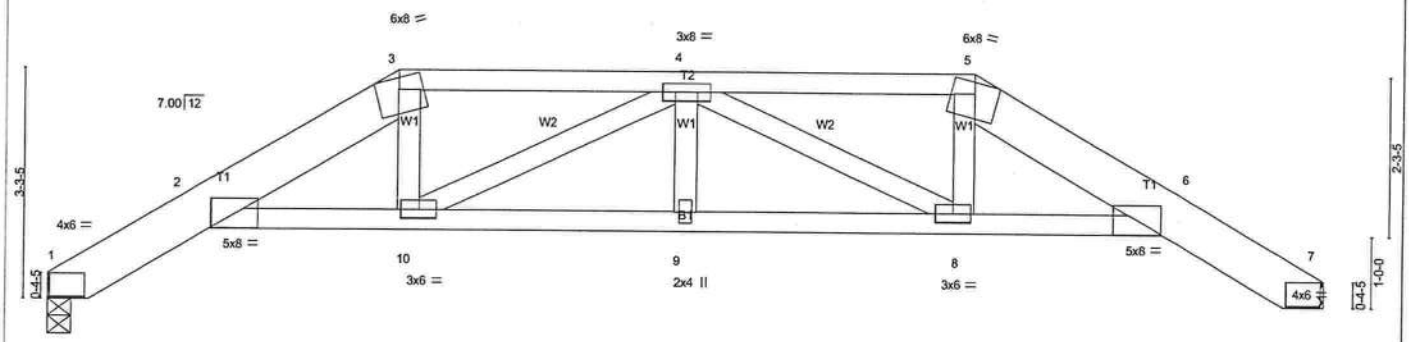
Dwg.#1127061227

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T13	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:38:37 2006 Page 1

2-0-0 | 2-4-0 | 5-0-0 | 9-1-0 | 13-2-0 | 15-10-0 | 18-2-0
2-0-0 | 2-4-0 | 2-8-0 | 4-1-0 | 4-1-0 | 2-8-0 | 2-4-0

Scale = 1:31.3
Camber = 1/8 in



2-4-0 | 5-0-0 | 9-1-0 | 13-2-0 | 15-10-0 | 18-2-0
2-4-0 | 2-8-0 | 4-1-0 | 4-1-0 | 2-8-0 | 2-4-0

Plate Offsets (X,Y): [2:0-0-1,0-0-2], [3:5-0-0,2-7-8], [3:4-5-10,2-7-9], [6:0-0-1,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.75	Vert(LL)	-0.25	8-9	>871	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.99	Vert(TL)	-0.40	8-9	>539	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.23	Horz(TL)	0.32	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 88 lb	

LUMBER
TOP CHORD 2 X 8 SYP 2400F 2.0E *Except*
T2 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-4-5 oc bracing.

REACTIONS (lb/size) 1=1168/0-4-0, 7=1161/Mechanical
Max Horz 1=-103(load case 2)
Max Uplift1=-483(load case 4), 7=-481(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-499/270, 2-3=-2818/1291, 3-4=-2736/1296, 4-5=-2766/1251, 5-6=-2837/1250, 6-7=-500/225
BOT CHORD 2-10=-1281/2677, 9-10=-1407/3071, 8-9=-1407/3071, 6-8=-1153/2708
WEBS 3-10=-335/716, 4-10=-458/276, 4-9=-22/204, 4-8=-428/256, 5-8=-333/705

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) Refer to girder(s) for truss to truss connections.
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 483 lb uplift at joint 1 and 481 lb uplift at joint 7.
7) Girder carries tie-in span(s): 3-3-8 from 5-0-0 to 13-2-0; 3-5-4 from 5-0-0 to 13-2-0
8) Girder carries hip end with 5-0-0 end setback.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 245 lb down and 170 lb up at 13-2-0, and 245 lb down and 170 lb up at 5-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) 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=-65, 2-3=-54, 3-5=-79(F=-25), 5-6=-54, 6-7=-65, 2-10=-30, 8-10=-58(F=-28), 6-8=-30
Concentrated Loads (lb)
Vert: 10=-245(F) 8=-245(F)

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

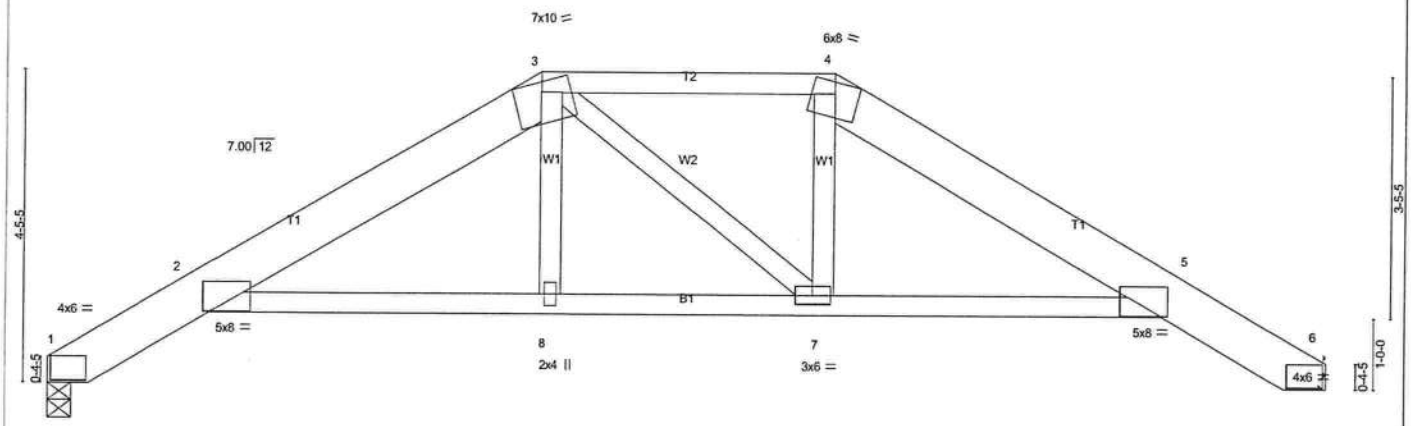
Dwg.#1127061228

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T15	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:38:40 2006 Page 1

2-0-0 | 2-4-0 | 7-0-0 | 11-2-0 | 15-10-0 | 18-2-0
2-0-0 | 2-4-0 | 4-8-0 | 4-2-0 | 4-8-0 | 2-4-0

Scale = 1:31.3
Camber = 1/8 in



2-4-0 | 7-0-0 | 11-2-0 | 15-10-0 | 18-2-0
2-4-0 | 4-8-0 | 4-2-0 | 4-8-0 | 2-4-0

Plate Offsets (X,Y): [2:0-4-0,0-1-10], [3:7-0-0,3-9-9], [3:6-5-6,3-9-7], [5:0-4-0,0-1-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	-0.16	5-7	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.27	5-7	>803	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.21	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 93 lb	

LUMBER
TOP CHORD 2 X 8 SYP 2400F 2.0E *Except*
T2 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 5-9-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=712/0-4-0, 6=711/Mechanical
Max Horz 1=-144(load case 3)
Max Uplift1=-228(load case 5), 6=-229(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-302/152, 2-3=-1202/343, 3-4=-1104/375, 4-5=-1206/343, 5-6=-303/115
BOT CHORD 2-8=-309/1087, 7-8=-308/1095, 5-7=-219/1096
WEBS 3-8=0/165, 3-7=-125/124, 4-7=-46/210

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Refer to girder(s) for truss to truss connections.
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 228 lb uplift at joint 1 and 229 lb uplift at joint 6.

LOAD CASE(S) Standard

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

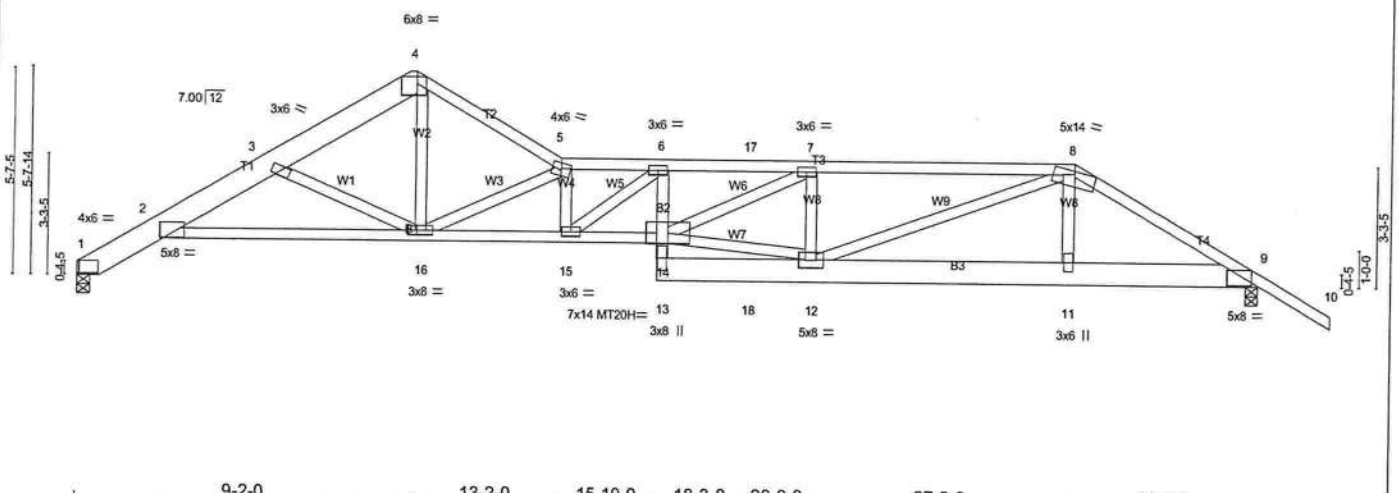
Dwg.#1127061229

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T16	SPECIAL	1	3	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:38:44 2006 Page 1

-2-0-0	2-4-0	5-6-0	9-0-0	9-2-0	13-2-0	15-10-0	20-0-0	27-2-0	32-2-0	34-2-0
2-0-0	2-4-0	3-2-0	3-6-0	0-2-0	4-0-0	2-8-0	4-2-0	7-2-0	5-0-0	2-0-0

Scale = 1:59.8
Camber = 3/16 in



9-2-0	13-2-0	15-10-0	18-3-8	20-0-0	27-2-0	32-2-0
9-2-0	4-0-0	2-8-0	2-5-8	1-8-8	7-2-0	5-0-0

Plate Offsets (X,Y): [2:0-4-0,0-1-10], [4:8-7-4,4-10-12], [4:0-3-0,Edge], [9:0-4-0,0-1-11]

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)	-0.35	14-15	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.86	Vert(TL)	-0.57	14-15	>674	180	MT20H	187/143
BCLL	10.0	Rep Stress Incr	NO	WB	0.51	Horz(TL)	0.19	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 605 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
T1 2 X 8 SYP 2400F 2.0E
BOT CHORD 2 X 8 SYP 2400F 2.0E *Except*
B1 2 X 4 SYP No.2, B2 2 X 4 SYP No.1D
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) 1=1869/0-4-0, 9=2532/0-4-0
Max Horz 1=-208(load case 2)
Max Uplift1=-671(load case 5), 9=-1192(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-802/438, 2-3=-4591/1660, 3-4=-3863/1469, 4-5=-3935/1487, 5-6=-8920/3512, 6-17=-9418/3859, 7-17=-9418/3859, 7-8=-6922/3042, 8-9=-4560/1977, 9-10=0/59
BOT CHORD 2-16=-1593/4406, 15-16=-3410/8864, 14-15=-4026/9807, 13-14=-355/808, 6-14=-349/611, 13-18=-1006/2264, 12-18=-1006/2264, 11-12=-1696/3952, 9-11=-1690/3921
WEBS 5-16=-6119/2518, 5-15=-436/812, 6-15=-1181/728, 12-14=-2069/4762, 7-14=-909/2780, 7-12=-1810/978, 8-12=-1433/3191, 8-11=-127/591, 4-16=-1318/3560, 3-16=-1222/543

NOTES
1) 3-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 8 - 2 rows at 0-9-0 oc, 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 8 - 2 rows at 0-7-0 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 adequate drainage to prevent water ponding.
6) All plates are MT20 plates unless otherwise indicated.
7) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 671 lb uplift at joint 1 and 1192 lb uplift at joint 9.
9) Girder carries hip end with 5-0-0 right side setback, 18-3-8 left side setback, and 5-0-0 end setback.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 912 lb down and 433 lb up at 18-3-8, and 245 lb down and 170 lb up at 27-2-0 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: 1-2=-65, 2-4=-54, 4-5=-54, 5-17=-54, 8-17=-90(F=-36), 8-10=-54, 2-14=-30, 13-18=-30, 11-18=-50(F=-20), 9-11=-30
Concentrated Loads (lb)
Vert: 11=-245(F) 18=-912(F)

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

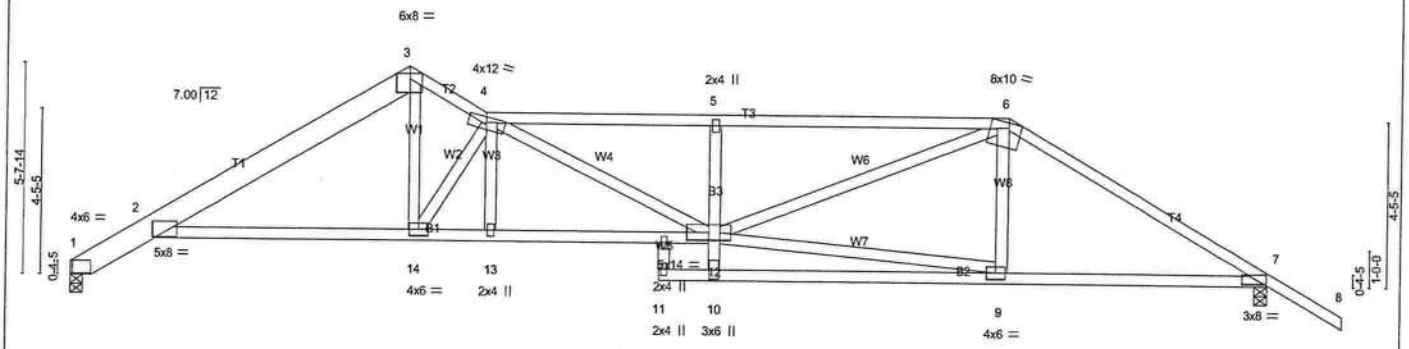
Dwg.#1127061230

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T17	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:38:47 2006 Page 1

-2-0-0	2-4-0	9-1-0	11-2-0	17-2-0	25-2-0	32-2-0	34-2-0
2-0-0	2-4-0	6-9-0	2-1-0	6-0-0	8-0-0	7-0-0	2-0-0

Scale = 1:59.0
Camber = 5/16 in



2-4-0	11-2-0	15-10-0	17-2-0	25-2-0	32-2-0
2-4-0	8-10-0	4-8-0	1-4-0	8-0-0	7-0-0

Plate Offsets (X,Y): [2:0-4-0,0-1-10], [3:8-6-3,4-11-8], [6:0-4-1,Edge], [7:0-8-1,0-0-10]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.75	Vert(LL)	-0.47	12-13	>819	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.89	Vert(TL)	-0.75	12-13	>507	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.89	Horz(TL)	0.37	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 180 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except* T1 2 X 8 SYP 2400F 2.0E
BOT CHORD 2 X 4 SYP No.2 *Except* B3 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-9-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-5-13 oc bracing.

REACTIONS (lb/size) 1=1315/0-4-0, 7=1479/0-4-0
Max Horz 1=-208(load case 3)
Max Uplift1=-392(load case 6), 7=-604(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-563/315, 2-3=-2443/734, 3-4=-2472/798, 4-5=-3526/1180, 5-6=-3470/1177, 6-7=-2236/738, 7-8=0/54
BOT CHORD 2-14=-622/2179, 13-14=-939/3139, 12-13=-938/3142, 10-12=0/164, 5-12=-397/369, 10-11=0/0, 9-10=-59/286, 7-9=-459/1843
WEBS 4-13=0/80, 4-12=-211/529, 9-12=-399/1571, 6-12=-741/1751, 6-9=0/123, 3-14=-545/1718, 4-14=-1715/636

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 392 lb uplift at joint 1 and 604 lb uplift at joint 7.

LOAD CASE(S) Standard

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

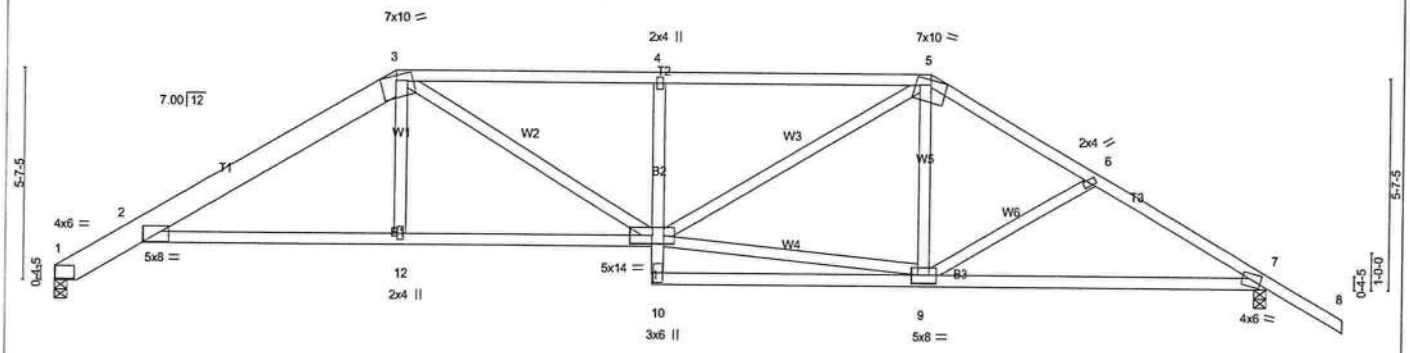
Dwg.#1127061231

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T18	SPECIAL	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:38:50 2006 Page 1

-2-0-0	2-4-0	9-0-0	15-10-0	23-2-0	27-5-3	32-2-0	34-2-0
2-0-0	2-4-0	6-8-0	6-10-0	7-4-0	4-3-3	4-8-13	2-0-0

Scale = 1:58.3
Camber = 1/4 in



2-4-0	9-0-0	15-10-0	23-2-0	32-2-0
2-4-0	6-8-0	6-10-0	7-4-0	9-0-0

Plate Offsets (X,Y): [2:0-0-1,0-0-2], [3:8-5-11,4-11-8], [7:0-2-6,0-0-11]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	-0.40	2-12	>959	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.79	Vert(TL)	-0.65	2-12	>592	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.62	Horz(TL)	0.32	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 179 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except* T1 2 X 8 SYP 2400F 2.0E
BOT CHORD 2 X 4 SYP No.2 *Except* B2 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-10-3 oc bracing.

REACTIONS (lb/size) 1=1293/0-4-0, 7=1457/0-4-0
Max Horz 1=-205(load case 3)
Max Uplift1=-379(load case 5), 7=-509(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-554/275, 2-3=-2396/773, 3-4=-2490/873, 4-5=-2477/882, 5-6=-1960/631, 6-7=-2154/654, 7-8=0/54
BOT CHORD 2-12=-779/2133, 11-12=-779/2143, 10-11=0/97, 4-11=-336/326, 9-10=-51/180, 7-9=-474/1800
WEBS 3-12=0/296, 3-11=-366/529, 9-11=-382/1489, 5-11=-528/1007, 5-9=-11/183, 6-9=-178/184

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 379 lb uplift at joint 1 and 509 lb uplift at joint 7.

LOAD CASE(S) Standard

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

Dwg.#1127061232

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T19	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:38:53 2006 Page 1

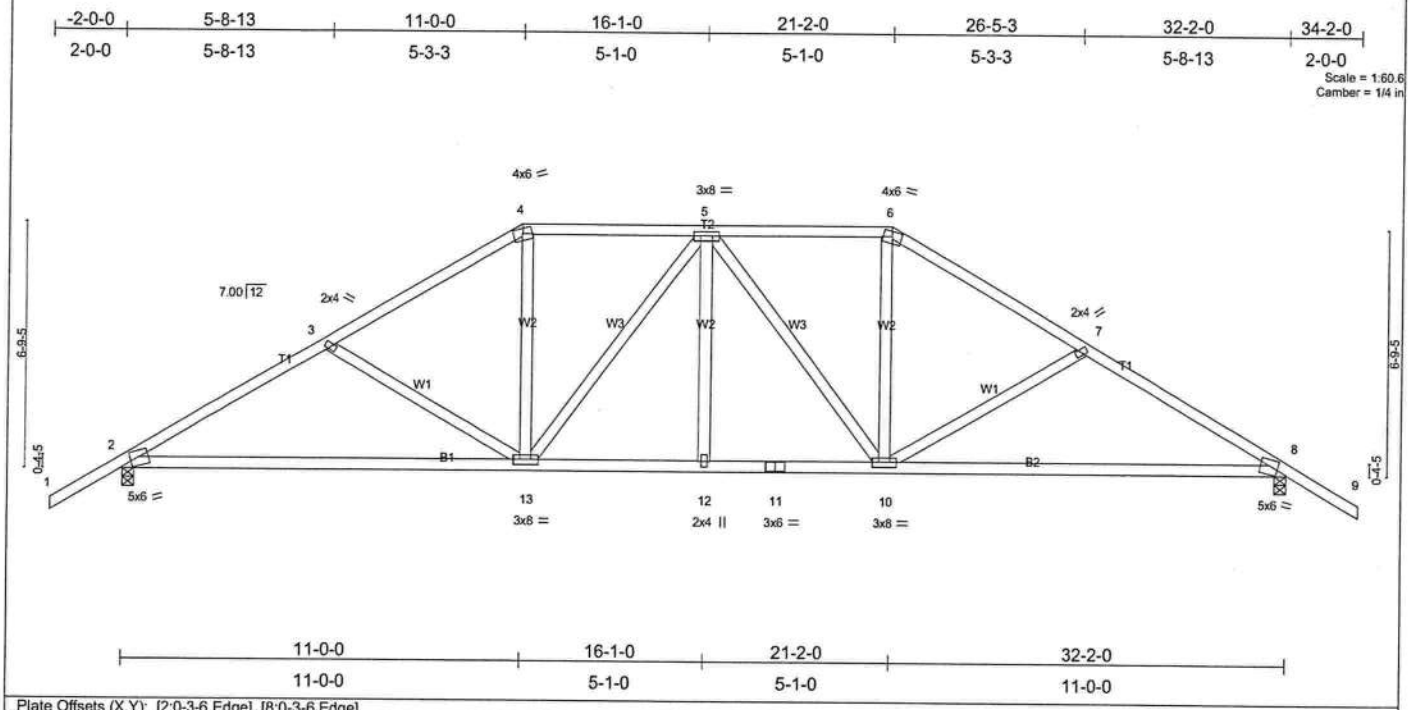


Plate Offsets (X,Y): [2:0-3-6,Edge], [8:0-3-6,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.35	2-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.78	Vert(TL)	-0.59	2-13	>643	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.33	Horz(TL)	0.09	8	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 177 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-9-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 8-3-1 oc bracing.

REACTIONS (lb/size) 2=1454/0-4-0, 8=1454/0-4-0
Max Horz 2=-231(load case 3)
Max Uplift2=-524(load case 5), 8=-524(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-2107/624, 3-4=-1827/530, 4-5=-1523/514, 5-6=-1523/514, 6-7=-1827/530, 7-8=-2107/624, 8-9=0/54
BOT CHORD 2-13=-580/1767, 12-13=-471/1630, 11-12=-471/1630, 10-11=-471/1630, 8-10=-371/1767
WEBS 3-13=-304/262, 4-13=-106/604, 5-13=-284/274, 5-12=-4/20, 5-10=-284/273, 6-10=-106/604, 7-10=-304/263

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 524 lb uplift at joint 2 and 524 lb uplift at joint 8.

LOAD CASE(S) Standard

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

Dwg.#1127061233

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T20	HIP	1	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055

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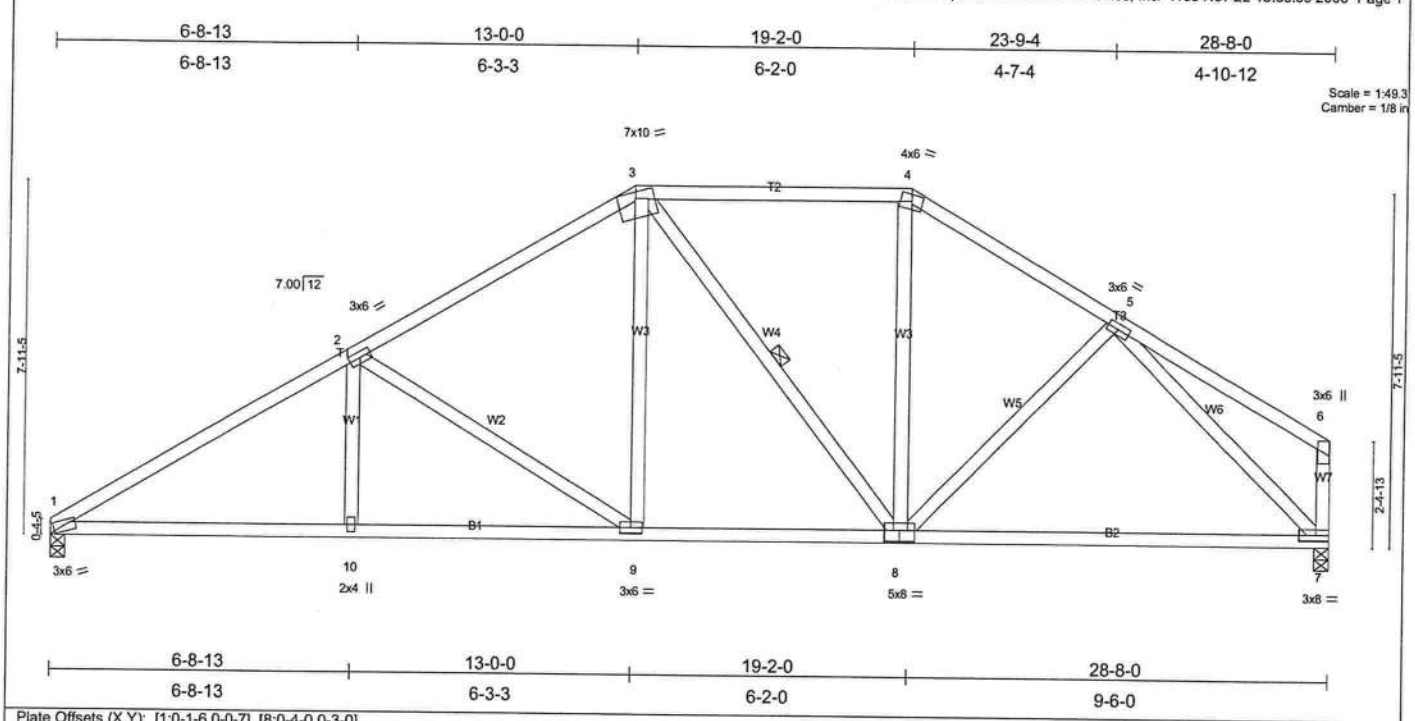

Plate Offsets (X,Y): [1:0-1-6,0-0-7], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.81	Vert(LL)	-0.16	7-8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.53	Vert(TL)	-0.28	7-8	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.89	Horz(TL)	0.06	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 165 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-1-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 7-11-5 oc bracing.
WEBS 1 Row at midpt 3-8

REACTIONS (lb/size) 1=1191/0-4-0, 7=1191/0-4-0
Max Horz 1=257(load case 4)
Max Uplift1=-373(load case 5), 7=-350(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1950/588, 2-3=-1384/469, 3-4=-1024/413, 4-5=-1236/420, 5-6=-250/93, 6-7=-228/122
BOT CHORD 1-10=-582/1600, 9-10=-582/1600, 8-9=-326/1126, 7-8=-257/933
WEBS 2-10=0/238, 2-9=-568/337, 3-9=-142/450, 3-8=-251/178, 4-8=-87/291, 5-8=-146/221, 5-7=-1126/359

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 373 lb uplift at joint 1 and 350 lb uplift at joint 7.

LOAD CASE(S) Standard

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

Dwg.#1127061234

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T21	SPECIAL	1	1	Job Reference (optional)

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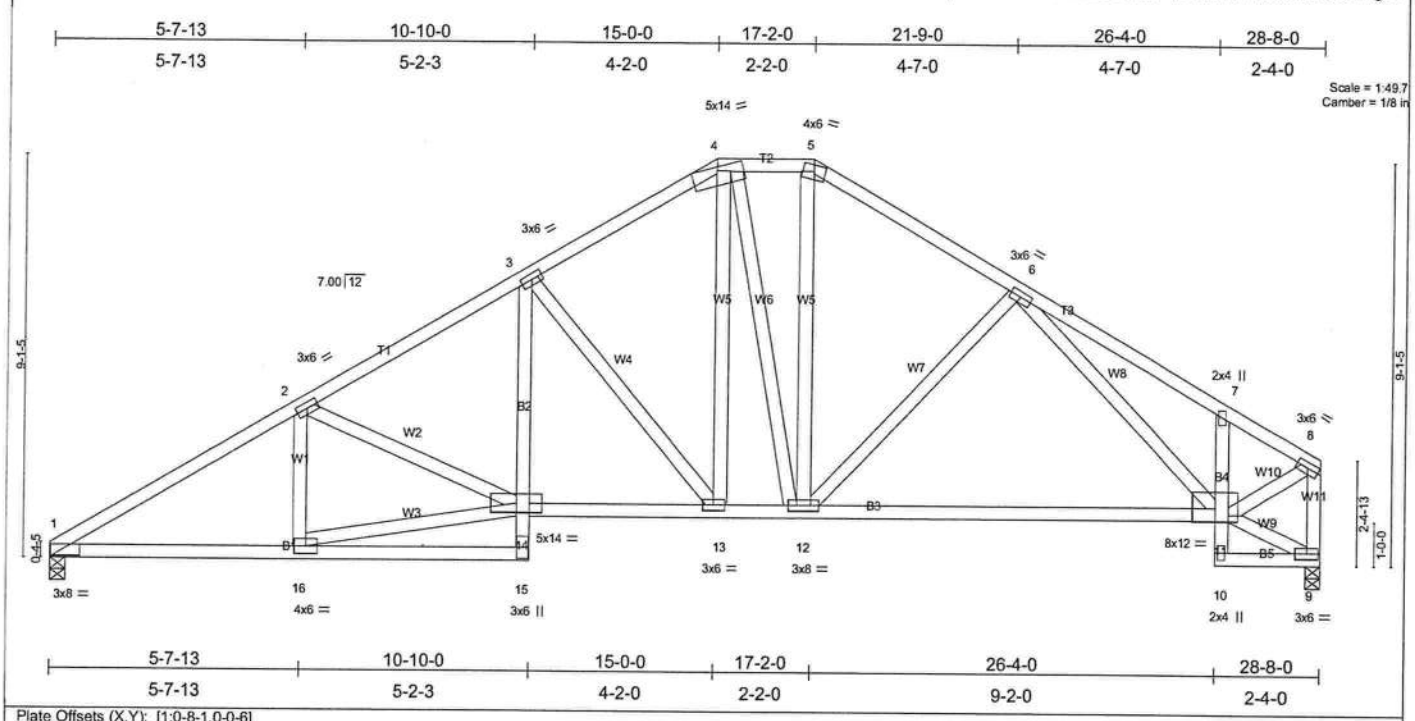

Plate Offsets (X,Y): [1:0-8-1,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.17	11-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.55	Vert(TL)	-0.29	11-12	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.57	Horz(TL)	0.09	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 197 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* B2 2 X 4 SYP No.3, B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=1191/0-4-0, 9=1191/0-4-0
Max Horz 1=297(load case 4)
Max Uplift1=-383(load case 5), 9=-380(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1989/621, 2-3=-1818/627, 3-4=-1313/507, 4-5=-1077/471, 5-6=-1305/486, 6-7=-1305/483, 7-8=-1189/356, 8-9=-1206/362
BOT CHORD 1-16=-640/1641, 15-16=-41/124, 14-15=0/77, 3-14=-155/514, 13-14=-502/1516, 12-13=-275/1086, 11-12=-324/1194, 10-11=0/15, 7-11=-213/196, 9-10=-128/0
WEBS 2-16=-131/141, 14-16=-612/1548, 2-14=-198/154, 3-13=-682/360, 4-13=-278/523, 4-12=-163/205, 5-12=-163/427, 6-12=-213/226, 8-11=-325/1130, 9-11=0/160, 6-11=-175/135

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 383 lb uplift at joint 1 and 380 lb uplift at joint 9.

LOAD CASE(S) Standard

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

Dwg.#1127061235

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T22	SPECIAL	2	1	Job Reference (optional)

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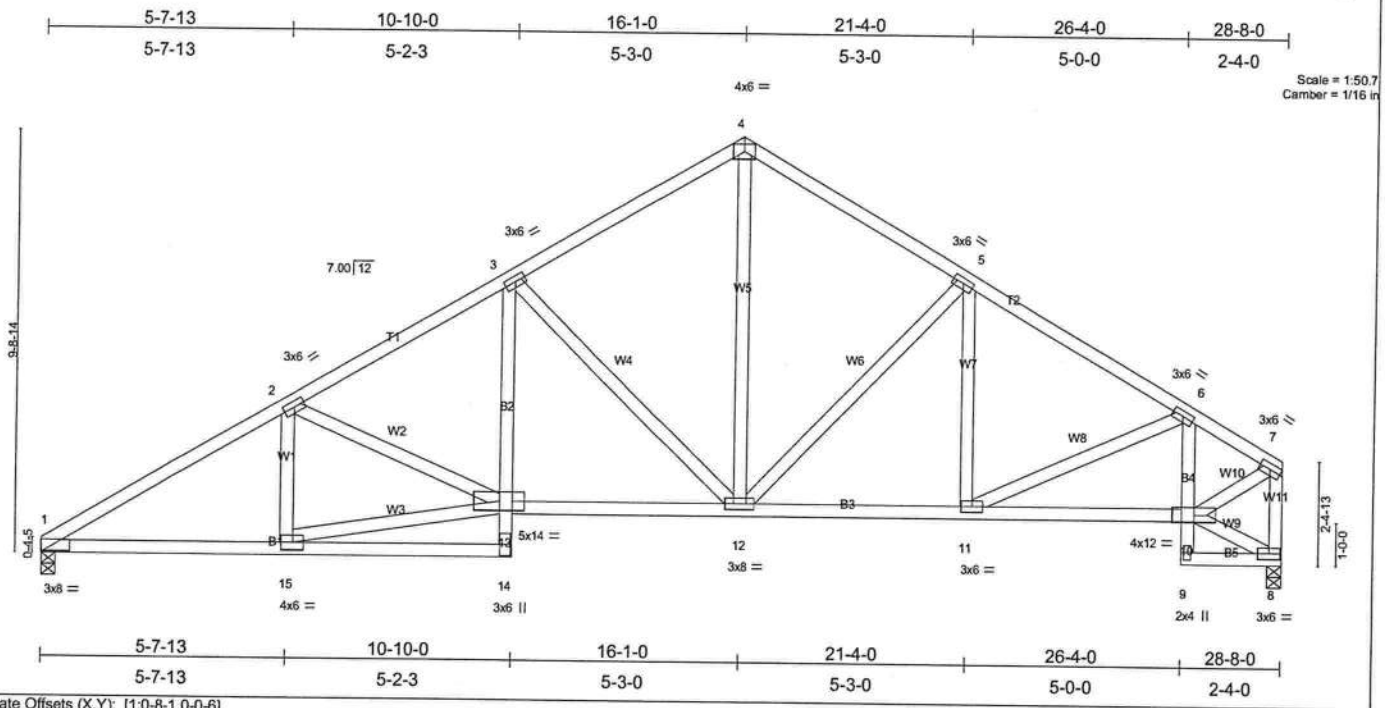

Plate Offsets (X,Y): [1:0-8-1,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.22	Vert(LL)	-0.11	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.47	Vert(TL)	-0.19	12-13	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.71	Horz(TL)	0.09	8	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 *Except* B2 2 X 4 SYP No.3, B4 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

REACTIONS (lb/size) 1=1191/0-4-0, 8=1191/0-4-0
Max Horz 1=319(load case 4)
Max Uplift1=-387(load case 5), 8=-369(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1988/628, 2-3=-1820/639, 3-4=-1245/486, 4-5=-1243/507, 5-6=-1485/487, 6-7=-1142/357, 7-8=-1154/361
BOT CHORD 1-15=-655/1641, 14-15=-47/119, 13-14=0/77, 3-13=-154/517, 12-13=-526/1522, 11-12=-325/1223, 10-11=-313/1019, 9-10=0/24, 6-10=-446/199, 8-9=-29/13
WEBS 2-15=-131/143, 13-15=-620/1553, 2-13=-186/148, 3-12=-710/388, 4-12=-321/885, 5-12=-349/237, 5-11=-14/96, 6-11=-59/225, 7-10=-331/1097, 8-10=0/30

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 387 lb uplift at joint 1 and 369 lb uplift at joint 8.

LOAD CASE(S) Standard

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

Dwg.#1127061236

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T23	HIP	1	2	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Wed Nov 22 15:39:06 2006 Page 1

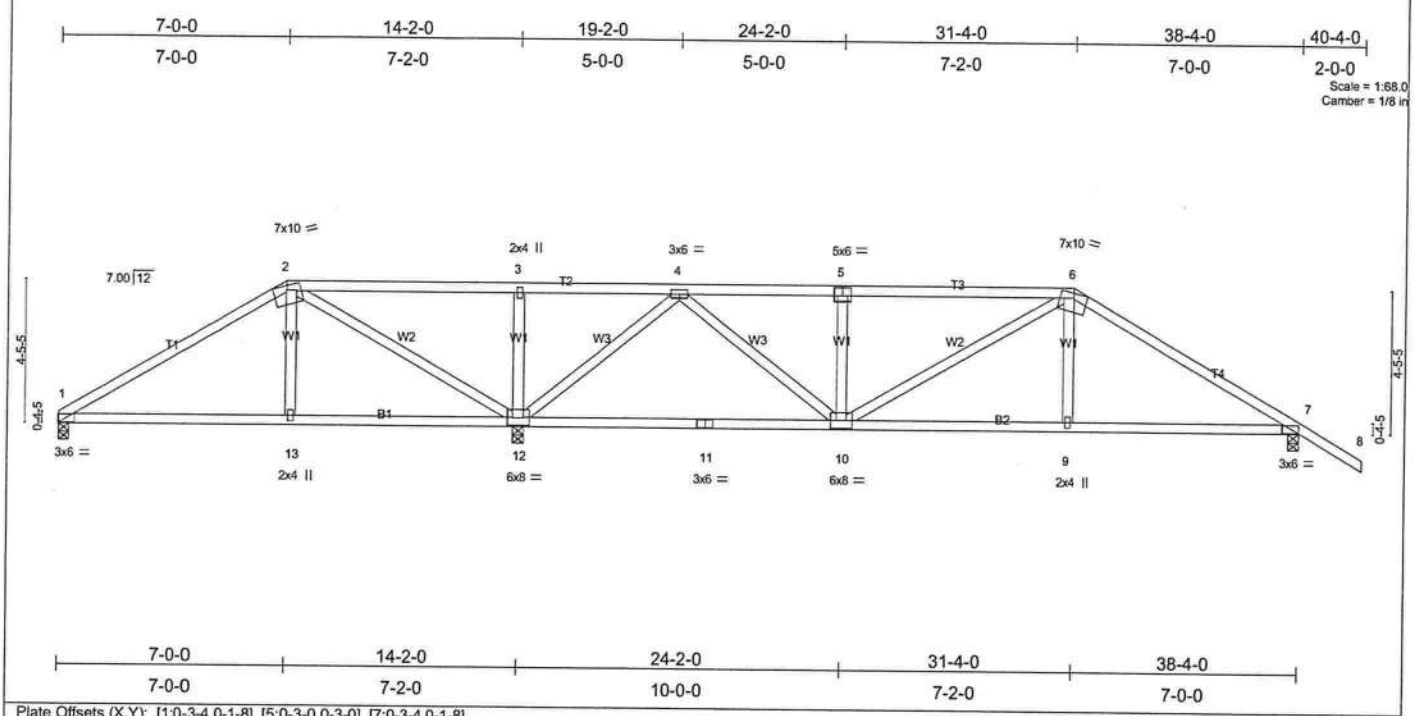

Plate Offsets (X,Y): [1:0-3-4,0-1-8], [5:0-3-0,0-3-0], [7:0-3-4,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.68	Vert(LL)	-0.20	10-12	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.35	10-12	>830	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.62	Horz(TL)	0.04	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 371 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) 1=485/0-4-0, 12=4488/0-4-0, 7=1789/0-4-0
Max Horz 1=-170(load case 2)
Max Uplift1=-406(load case 4), 12=-2788(load case 3), 7=-952(load case 5)
Max Grav 1=497(load case 8), 12=4488(load case 1), 7=1792(load case 9)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-603/528, 2-3=-939/1623, 3-4=-938/1622, 4-5=-2340/1384, 5-6=-2340/1384, 6-7=-2859/1577, 7-8=0/54
BOT CHORD 1-13=-481/475, 12-13=-500/505, 11-12=-429/642, 10-11=-429/642, 9-10=-1277/2414, 7-9=-1266/2384
WEBS 2-13=-546/847, 2-12=-2432/1667, 3-12=-821/861, 4-12=-2926/1831, 4-10=-1123/2210, 5-10=-796/851, 6-10=-92/149, 6-9=-315/841

NOTES
1) 2-ply truss to be connected together with 10d (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 4 - 1 row at 0-9-0 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; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 406 lb uplift at joint 1, 2788 lb uplift at joint 12 and 952 lb uplift at joint 7.
7) Girder carries hip end with 7-0-0 end setback.
8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 539 lb down and 374 lb up at 31-4-0, and 539 lb down and 374 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: 1-2=-54, 2-6=-117(F=-63), 6-8=-54, 1-13=-30, 9-13=-65(F=-35), 7-9=-30
Concentrated Loads (lb)
Vert: 13=-539(F) 9=-539(F)

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

Dwg.#1127061237

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T24	MONO HIP	1	3	Job Reference (optional)

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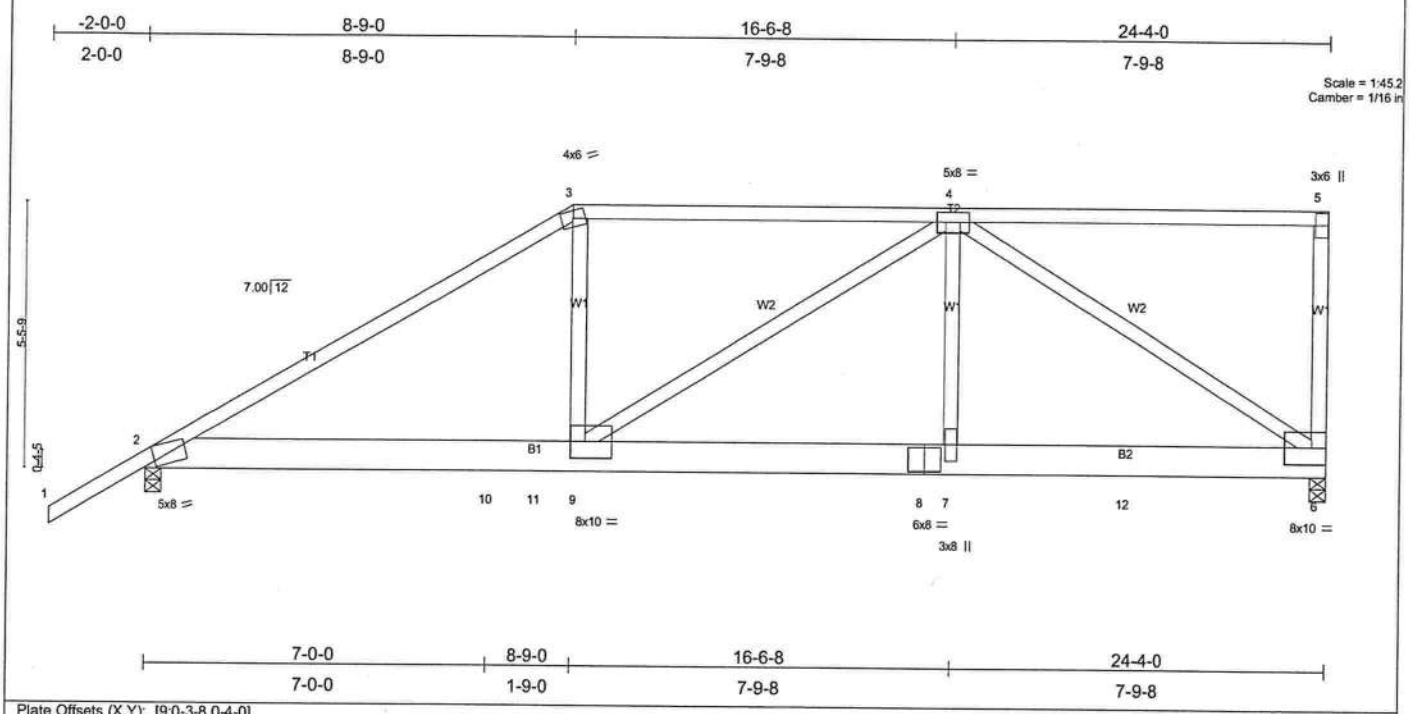

Plate Offsets (X,Y): [9:0-3-8,0-4-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.69	Vert(LL)	-0.14	7-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.22	7-9	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.84	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 489 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3 *Except*
W2 2 X 4 SYP No.2, W2 2 X 4 SYP No.2

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

REACTIONS (lb/size) 6=7814/0-4-0, 2=5944/0-4-0
Max Horz 2=314(load case 4)
Max Uplift6=-3617(load case 2), 2=-2523(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/59, 2-3=-10469/4544, 3-4=-9087/3979, 4-5=-175/91, 5-6=-223/167
BOT CHORD 2-10=-3917/8949, 10-11=-3917/8949, 9-11=-3917/8949, 8-9=-3938/8561, 7-8=-3938/8561, 7-12=-3938/8561, 6-12=-3938/8561
WEBS 3-9=-2154/4736, 4-9=-197/629, 4-7=-2244/4785, 4-6=-10030/4600

NOTES
1) 3-ply truss to be connected together with 10d (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 8 - 3 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) 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.
4) Provide adequate drainage to prevent water ponding.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 3617 lb uplift at joint 6 and 2523 lb uplift at joint 2.
6) Girder carries tie-in span(s): 28-2-0 from 8-0-0 to 20-1-8; 31-6-0 from 0-0-0 to 24-4-0; 31-6-0 from 20-1-8 to 24-4-0
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 2558 lb down and 1214 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: 1-3=-54, 3-5=-54, 2-11=-30, 11-12=-572(F=-542), 6-12=-642(F=-612)
Concentrated Loads (lb)
Vert: 10=-2558(F)

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

Dwg.#1127061238

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T25G	GABLE	1	1	Job Reference (optional)

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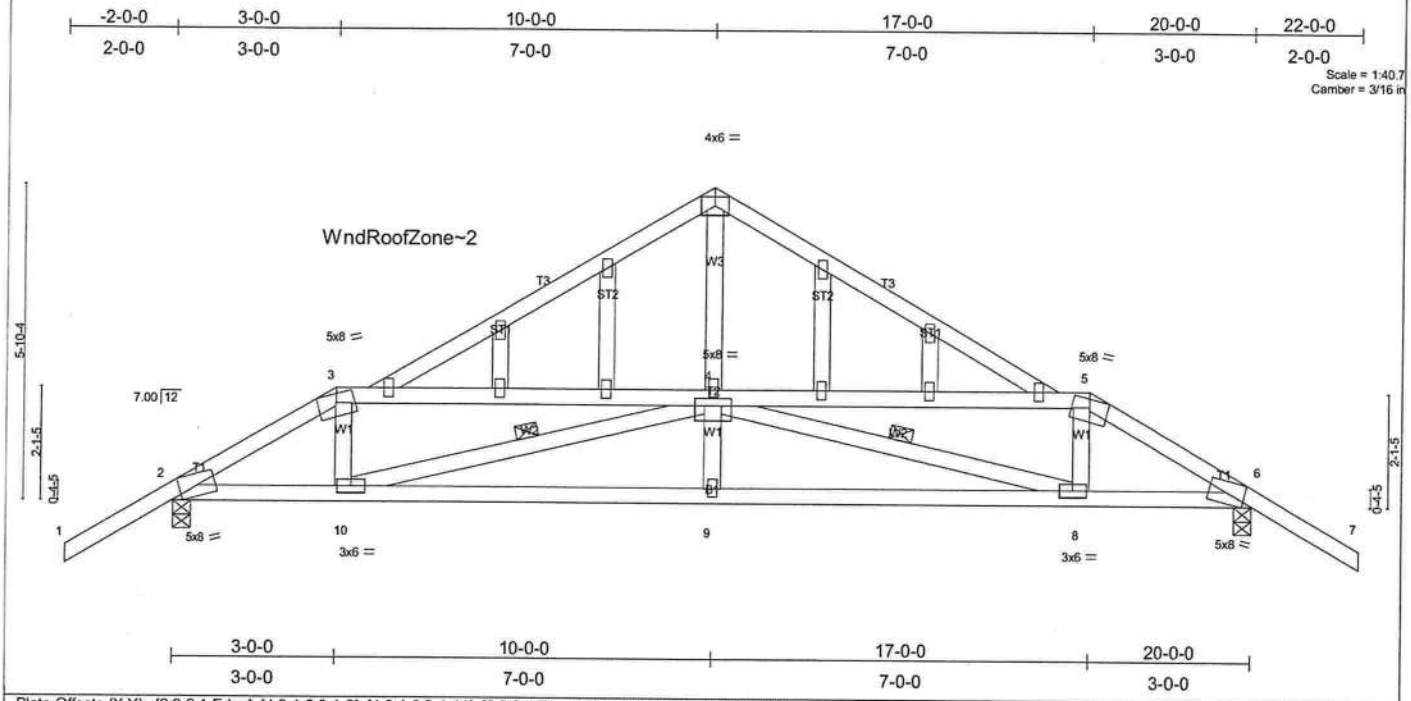

Plate Offsets (X,Y): [2:0-2-1,Edge], [4:0-1-9,0-1-0], [4:0-4-0,0-1-11], [6:0-2-1,Edge], [11:0-2-0,0-3-8], [13:0-2-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.92	Vert(LL)	-0.28	9-10	>846	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.76	Vert(TL)	-0.45	9-10	>526	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.60	Horz(TL)	0.11	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.1D
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-11-8 oc purlins. Except:
1 Row at midpt 3-4, 4-5
BOT CHORD Rigid ceiling directly applied or 4-6-12 oc bracing.
WEBS 1 Row at midpt 4-10, 4-8
JOINTS 1 Brace at Jt(s): 4

REACTIONS (lb/size) 2=1823/0-4-0, 6=1823/0-4-0
Max Horz 2=-69(load case 5)
Max Uplift2=-801(load case 3), 6=-801(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-20/114, 2-3=-2696/1236, 3-4=-2306/1117, 4-5=-2306/1116, 5-6=-2696/1236, 6-7=-20/114
BOT CHORD 2-10=-1083/2244, 9-10=-2140/4447, 8-9=-2140/4447, 6-8=-1015/2244
WEBS 3-10=-261/778, 4-10=-2227/1151, 4-9=0/240, 4-8=-2227/1150, 5-8=-261/778

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) 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) Provide adequate drainage to prevent water ponding.
5) All plates are 2x4 MT20 unless otherwise indicated.
6) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 801 lb uplift at joint 2 and 801 lb uplift at joint 6.
8) Girder carries hip end with 3-0-0 end setback.
9) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 63 lb down and 44 lb up at 17-0-0, and 63 lb down and 44 lb up at 3-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) 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=-123(F=-69), 5-7=-114(F=-60), 2-10=-30, 8-10=-35(F=-5), 6-8=-30
Concentrated Loads (lb)
Vert: 10=-63(F) 8=-63(F)

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

Dwg.#1127061239

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T26	COMMON	6	1	Job Reference (optional)

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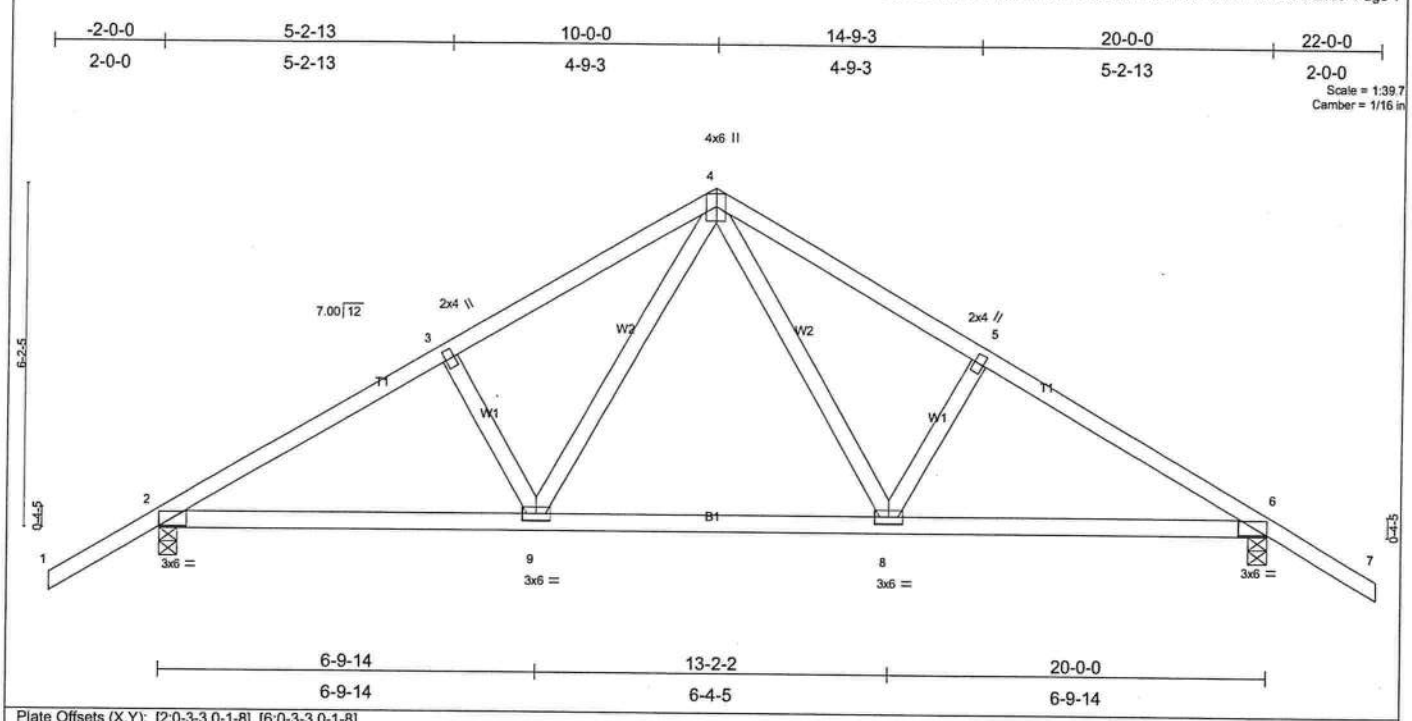

Plate Offsets (X,Y): [2:0-3-3,0-1-8], [6:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.15	8-9	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.67	Vert(TL)	-0.24	8-9	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.21	Horz(TL)	0.04	6	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 100 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 4-11-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=1102/0-4-0, 6=1102/0-4-0
Max Horz 2=210(load case 4)
Max Uplift2=-453(load case 5), 6=-453(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-1559/482, 3-4=-1427/511, 4-5=-1427/511, 5-6=-1559/482, 6-7=0/54
BOT CHORD 2-9=-378/1271, 8-9=-173/878, 6-8=-309/1271
WEBS 3-9=-211/205, 4-9=-227/642, 4-8=-227/642, 5-8=-211/205

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 Interior(1) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 453 lb uplift at joint 2 and 453 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, 2-9=-30, 8-9=-80(F=-50), 6-8=-30

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

Dwg.#1127061240

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T28	COMMON	2	1	Job Reference (optional)

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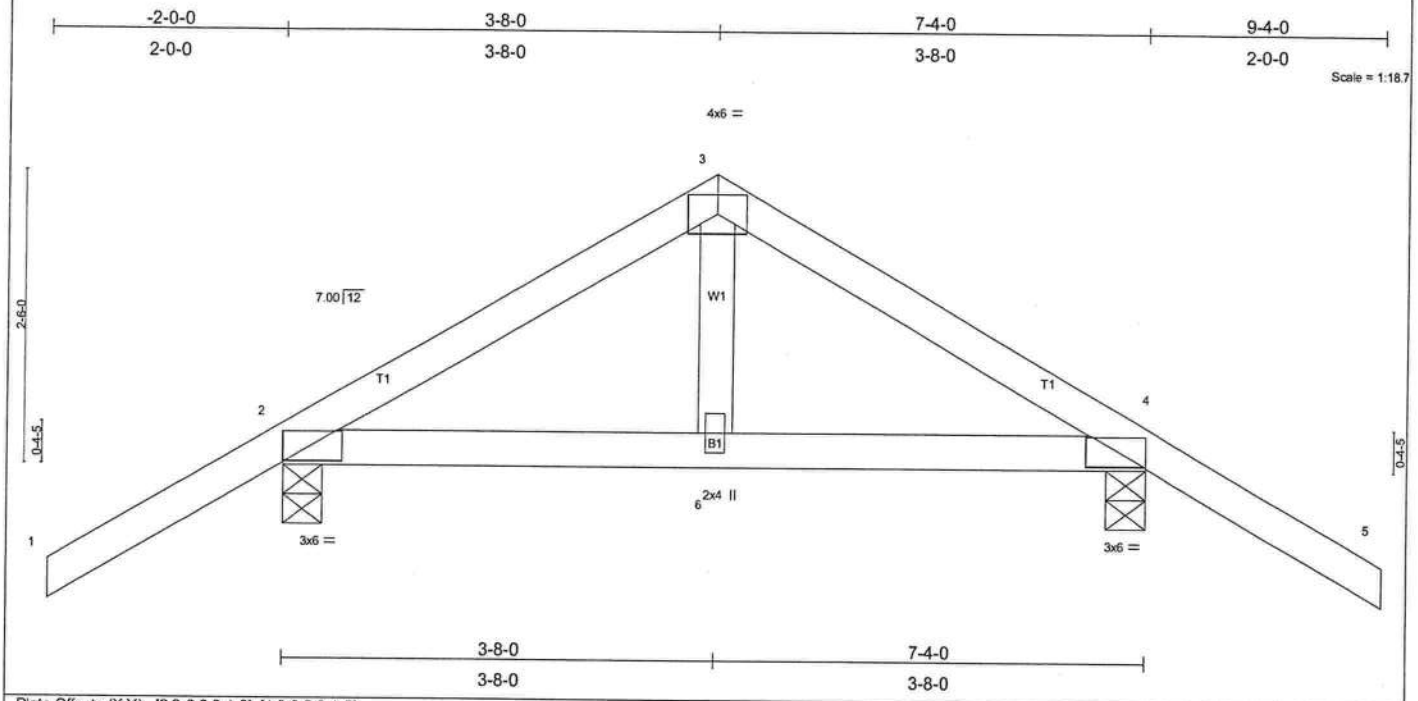

Plate Offsets (X,Y): [2:0-3-3,0-1-8], [4:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	0.01	2-6	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.11	Vert(TL)	-0.01	2-6	>999	180		
BCLL	10.0	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	4	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 34 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=411/0-4-0, 4=411/0-4-0
Max Horz 2=-82(load case 3)
Max Uplift2=-320(load case 5), 4=-320(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/54, 2-3=-294/237, 3-4=-294/237, 4-5=0/54
BOT CHORD 2-6=-77/203, 4-6=-77/203
WEBS 3-6=-151/95

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 Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 320 lb uplift at joint 2 and 320 lb uplift at joint 4.

LOAD CASE(S) Standard

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

Dwg.#1127061241

Job	Truss	Truss Type	Qty	Ply	MARTIN LOT 23
L218299	T28G	COMMON	1	1	Job Reference (optional)

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-2-0-0 / 2-0-0 | 3-8-0 / 3-8-0 | 7-4-0 / 3-8-0 | 9-4-0 / 2-0-0

Scale = 1:17.1

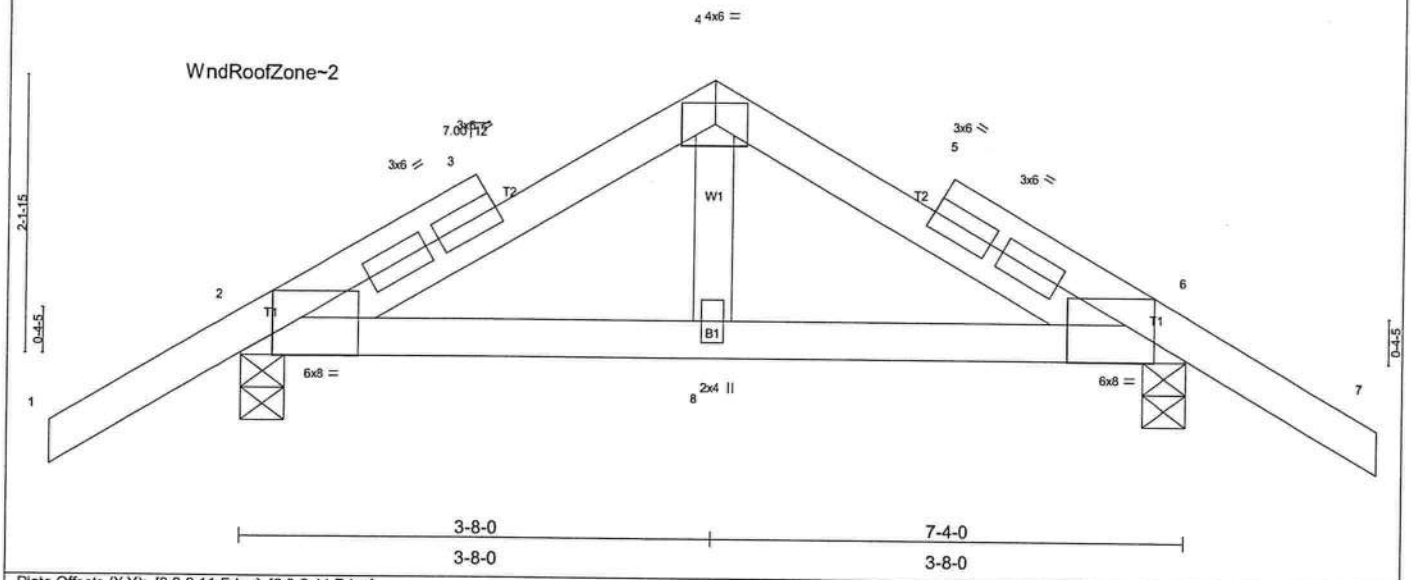


Plate Offsets (X,Y): [2:0-2-11,Edge], [6:0-2-11,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	-0.01	8	>999	240	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.12	Vert(TL)	-0.01	8	>999	180		
BCLL	10.0	Rep Stress Incr	NO	WB	0.03	Horz(TL)	0.01	6	n/a	n/a		
BCDL	5.0	Code	FBC2004/TPI2002	(Matrix)							Weight: 36 lb	

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

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

REACTIONS (lb/size) 2=694/0-4-0, 6=694/0-4-0
Max Horz 2=-68(load case 3)
Max Uplift2=-403(load case 5), 6=-403(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-11/85, 2-3=-614/433, 3-4=-523/424, 4-5=-523/424, 5-6=-614/433, 6-7=-11/85
BOT CHORD 2-8=-272/465, 6-8=-272/465
WEBS 4-8=-196/108

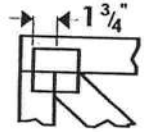
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This 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 403 lb uplift at joint 2 and 403 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=-114(F=-60), 4-7=-114(F=-60), 2-6=-30

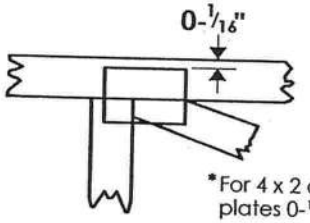
NOVEMBER 27, 2006 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

Symbols

PLATE LOCATION AND ORIENTATION



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



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

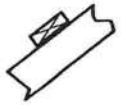
*This symbol indicates the required direction of slots in connector plates.

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

PLATE SIZE

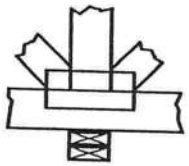
4 x 4 — The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



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

BEARING

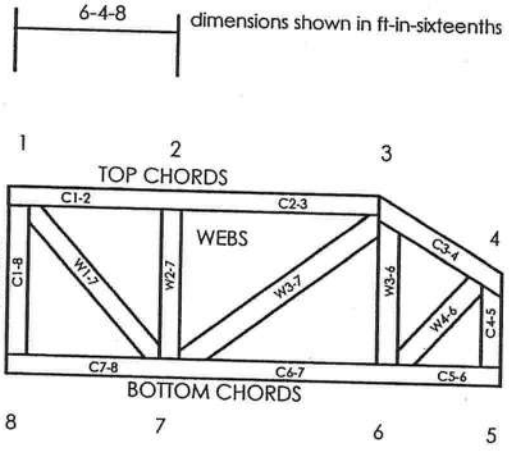


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

Industry Standards:

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

Numbering System



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

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

CONNECTOR PLATE CODE APPROVALS

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

MiTek®

TEE-LOK®

MiTek Engineering Reference Sheet: MII-7473

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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

Lot 23, Huntington at Woodcrest Subdivision

STRUCTURAL/CIVIL ENGINEERS

GTC Design Group
P.O. Box 187
130 West Howard Street
Live Oak FL, 32064
Phone: (386) 362-3678
Fax: (386) 362-6133
Brett A. Crews, PE 65592
Auth. #: 9461

PROJECT NUMBER
PF07-042

FILE COPY

For:
Cypress Homes & Land
c/o Gary Martin
P.O. Box 3178
Lake City, FL 32056-3178

Approved Subject to providing 28"x20" Side Drain for Drive @ Elevation 121.3 (H.W.)
J. Calson 3/29/07

PROJECT LOCATION

LOCATION MAP

LOT 23 OF "HUNTINGOTN AT WOODCREST"
PER PLAT BOOK 6, PAGES 145 & 146
LOCATED IN SECTION 11, TOWNSHIP 4 SOUTH,
RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA

3-21-2007

SHEET INDEX	
SHEET NUMBER	SHEET NAME
GN-1	GENERAL NOTES & DETAILS
EX-1	EXISTING CONDITIONS
SP-1	SITE PLAN
DT-1	EROSION CONTROL NOTES & DETAILS

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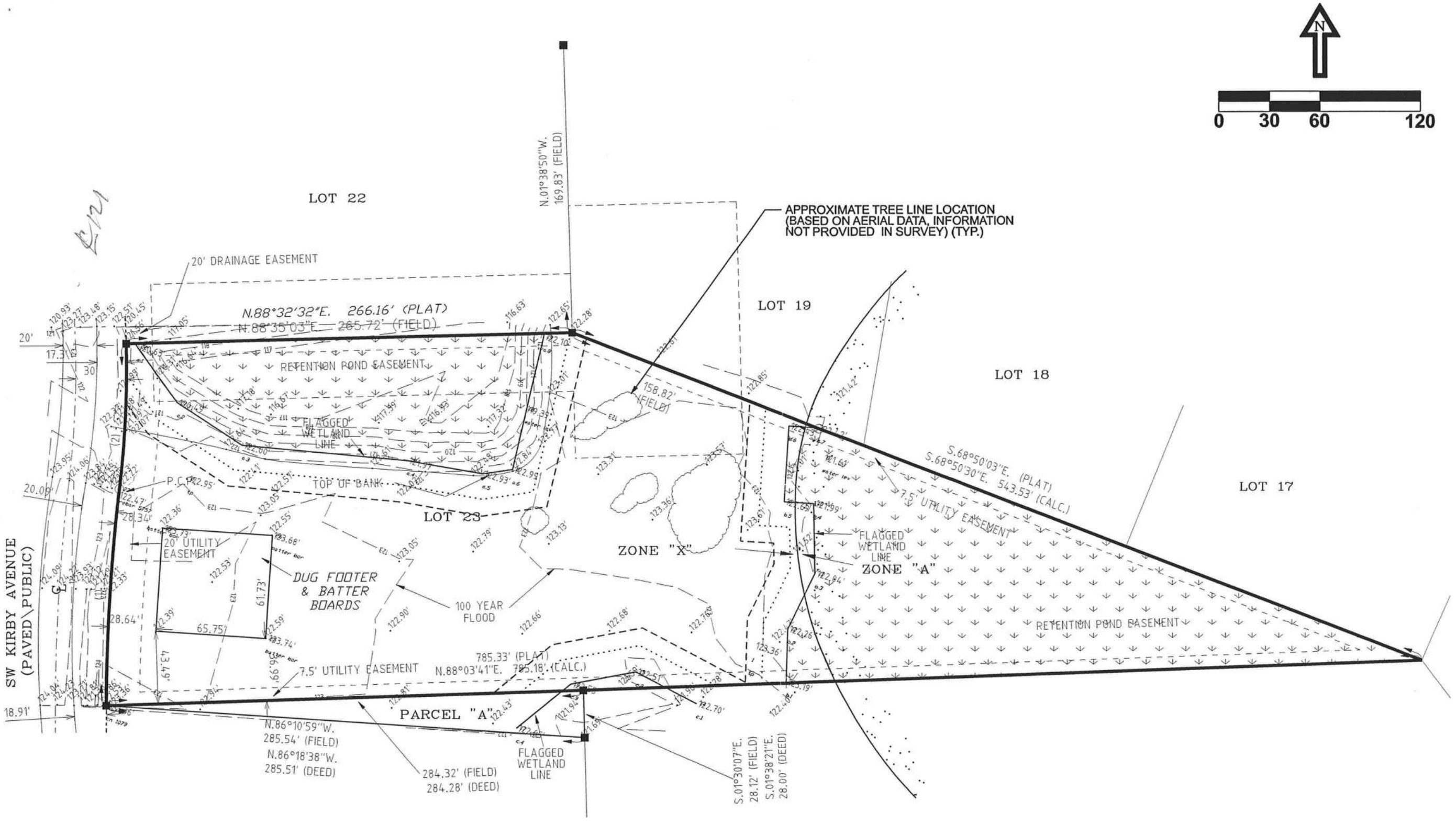

FILE COPY

3-21-2007

DATE	REVISION NOTES

P.O. Box 187
130 West Howard Street
Live Oak FL, 32064
Phone: (386) 362-3678
Fax: (386) 362-6133
STRUCTURAL/CIVIL ENGINEERS

Lot 23, Huntington at Woodcrest Subdivision
EXISTING CONDITIONS

PROJECT NUMBER
07-042

SHEET
EX-1

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NOTES:

1. CONSTRUCTION STAKOUT OF EXCAVATED AREA TO BE PERFORMED USING DIGITAL DATA PROVIDED BY GTC.
2. EXISTING TREE LINES SHOWN ARE APPROXIMATE IN LOCATION, TREES SHALL BE LOCATED DURING STAKEOUT AND PROTECTED DURING CONSTRUCTION.
3. ESTABLISHED 100 YR. FLOOD EL. = 123.00 (BASED ON SURVEY PROVIDED BY BRITT SURVEYING)

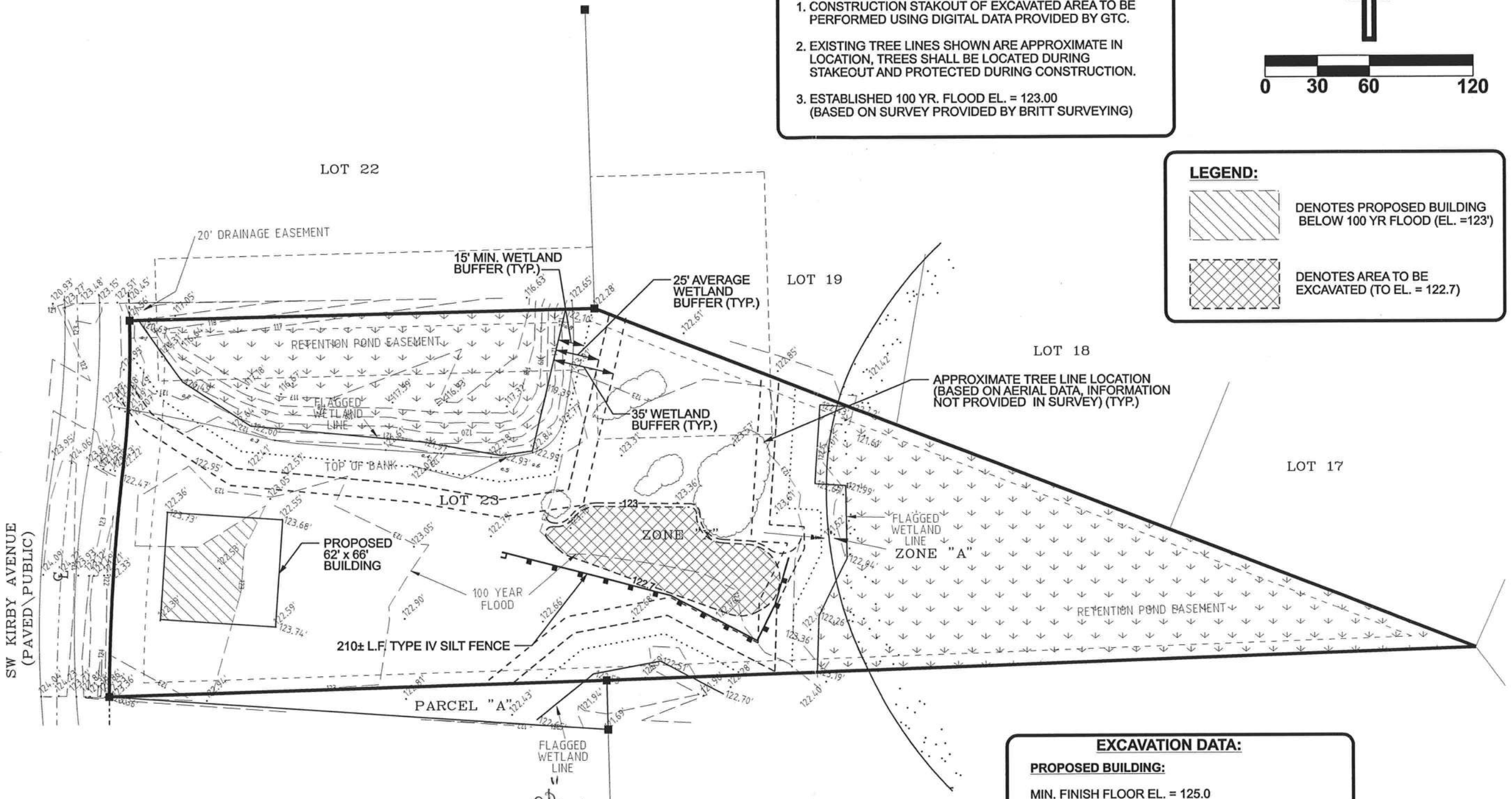
N

0 30 60 120

LEGEND:

DENOTES PROPOSED BUILDING BELOW 100 YR FLOOD (EL. =123')

DENOTES AREA TO BE EXCAVATED (TO EL. = 122.7)



EXCAVATION DATA:

PROPOSED BUILDING:

MIN. FINISH FLOOR EL. = 125.0

AREA BELOW 100 YR. = 2,190 sf.
AVERAGE EXISTING GROUND EL. = 122.5
VOLUME BELOW 100 YR.: (123.0-122.5) x 2190 sf.
=1,095 cf. REQUIRED

PROPOSED EXCAVATION:

AREA @ EL. 122.7 = 4,930 sf.
AREA @ EL. 123.0 = 3,776 sf.
AVERAGE AREA: $\frac{4930 + 3776}{2}$ = 4353
VOLUME BELOW 100 YR.: (4353 x .3)
= 1305.9 cf PROVIDED

FILE COPY

Provide 25" x 20" Side Drain Pipe Flr Drive @ El. 124.3
J. Colson 3/29/07

Batt Cox 3-21-2007

DATE	REVISION NOTES

P.O. Box 187
130 West Howard Street
Live Oak FL, 32064
Phone: (386) 362-3678
Fax: (386) 362-6133

STRUCTURAL/CIVIL ENGINEERS

Lot 23, Huntington at Woodcrest Subdivision
SITE PLAN

PROJECT NUMBER
07-042

SHEET
SP-1

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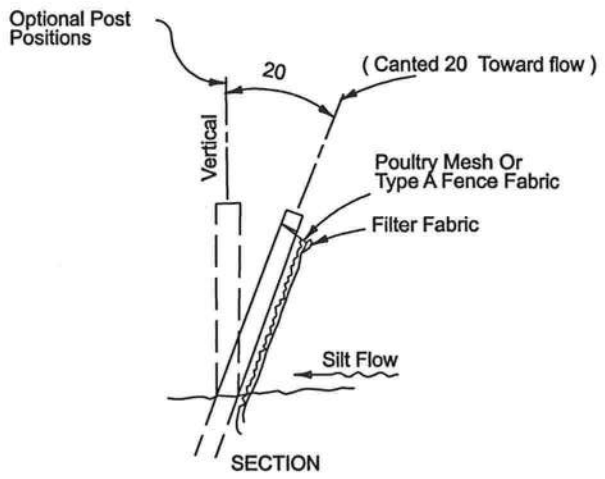
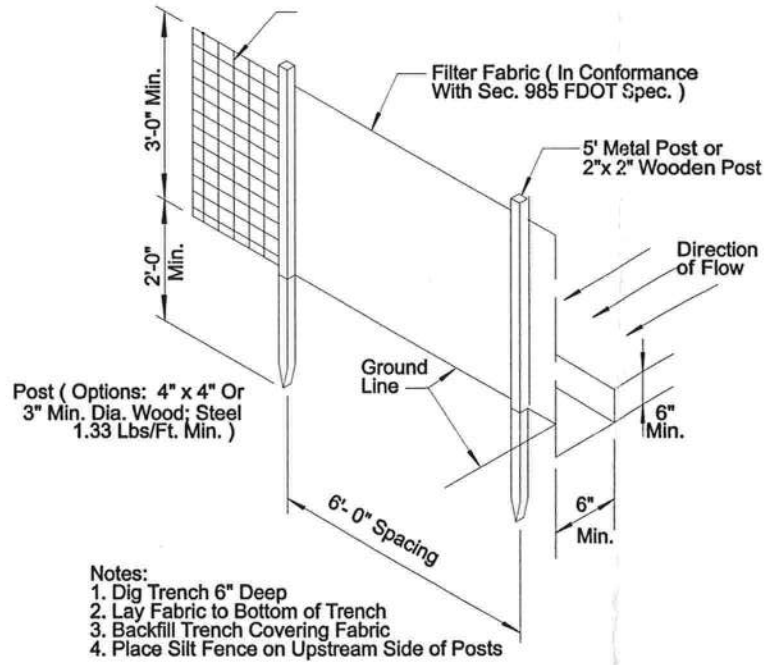
FILE COPY

EROSION CONTROL NOTES

1. Contractor shall adhere to SRWMD and other governing authorities for erosion and sediment control regulations. Contractor shall use BMP's from "The Florida Development Manual".
2. Sediment and erosion control facilities, storm drainage facilities and detention basins shall be installed prior to any other construction.
3. Erosion control measures shall be inspected weekly and after each rainfall and replaced as necessary.
4. Sediment and erosion control measures shall not be removed until all construction is complete and until a permanent ground cover has been established.
5. All open drainage swales shall be grassed and riprap shall be placed as required to control erosion.
6. Silt fences shall be located on site to prevent sediment and erosion from leaving right-of-way limits.
7. Additional erosion control devices shall be used as required.
8. Silt fence shall be cleaned or replaced when silt builds up to within one foot of top of silt fence.
9. During construction and after construction is complete, all structures shall be cleaned of all debris and excess sediment.
10. All grades areas shall be stabilized immediately with a temporary fast-growing cover and/or mulch.
11. A pad of rubble riprap shall be placed at the bottom of all collection flumes and collection pipe outlets.
12. All disturbed areas not sodded shall be seeded with a mixture of long-term vegetation and quick-growing short-term vegetation for the following conditions. For the months from September through March, the mix shall consist of 70 pounds per acre of long-term seed and 20 pounds per acre of winter rye. For the months of April through August, the mix shall consist of 70 pounds per acre of long-term seed and 20 pounds per acre of millet.
13. Staked silt fences shall be placed near all box culvert extensions in accordance with FDOT Standard Index 102.
14. Disturbed areas shall be stabilized with sodding and grassing and mulching. All side slopes steeper than 3:1 shall be adequately protected from erosion through the use of hay bales or sodding.
15. All stabilization practices shall be initiated as soon as practicable in areas of the job where construction activities have temporarily or permanently stopped, but in no case shall the disturbed area be left unprotected for more than three (3) days.
16. If the proposed erosion control plan does not work, the contractor should use the BMP's in the Florida Erosion and Sediment Control Inspecor's manual to implement a plan that will work and meet actual field conditions.
17. All waste generated on the project shall be disposed of by the contractor in areas provided by contractor.
18. Loaded haul trucks shall be covered with tarps.
19. Excess dirt shall be removed daily.
20. Fertilizer shall be applied as specified in the plans and specifications.
21. This project shall comply with all water quality standards. Permit required from SRWMD has been obtained.
22. All pollution controls shall be maintained at all times.
23. Straw bales shall be placed to remove sediment. Straw bales shall be replaced after three (3) months or when sediment reaches one-half (1/2) the height of the bales.
24. Qualified personnel shall inspect the area used for storage of stockpiles, the silt fence and straw bales, the location where vehicles enter or exit the site, and the disturbed areas that have not been finally stabilized, at least once every seven (7) calendar days and within 24 hours of the end of a storm of 0.2 inches or greater.
25. Sites that have been finally stabilized with sod or grassing shall be inspected at least once every week.
26. Contractor is responsible for the construction and maintenance of all erosion and sedimentation controls during proposed construction.



Poultry Mesh (20 Ga. Min.)
Or Type A Fence Fabric
(Index No. 451 & Sec. 966
FDOT Spec.) - Where Required



TYPE IV SILT FENCE

AS COMPARED TO TYPE III SILT FENCE, TYPE IV FENCE HAS GREATER STRENGTH AND HEIGHT WHICH REDUCES THE POSSIBILITY OF SEDIMENT AND WATER FROM OVERTOPPING THE FENCE. AS A RESULT, AVOID USING TYPE IV FENCE IN AREAS WHERE THE DETAINED WATER WOULD BACK INTO TRAVEL LANES OR OFF THE RIGHT OF WAY.

3-21-2007

DATE	REVISION NOTES

P.O. Box 187
130 West Howard Street
Live Oak FL, 32064
Phone: (386) 362-3678
Fax: (386) 362-6133

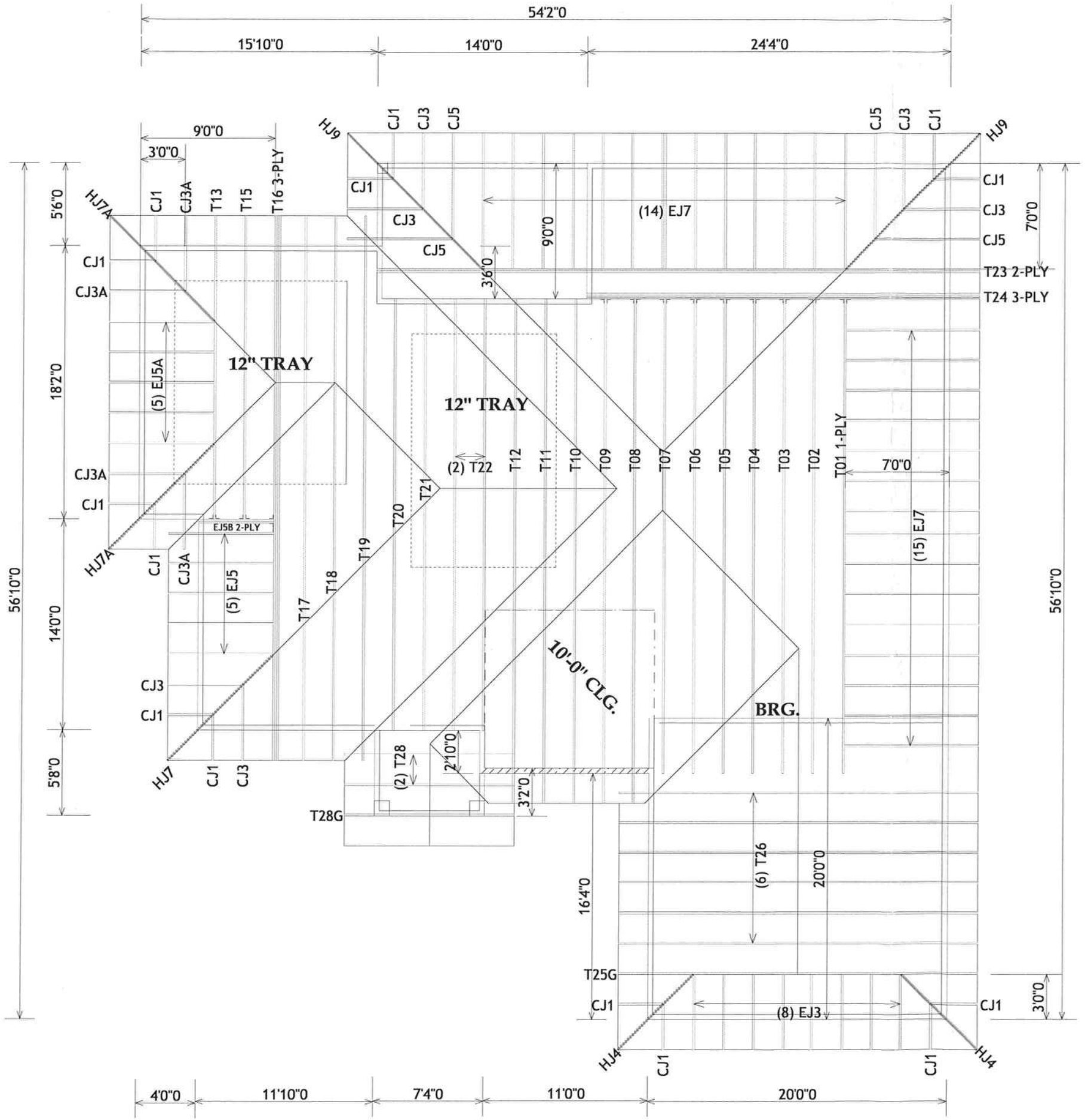
STRUCTURAL/CIVIL ENGINEERS

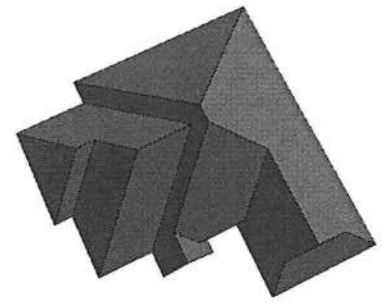
Lot 23, Huntington at Woodcrest Subdivision

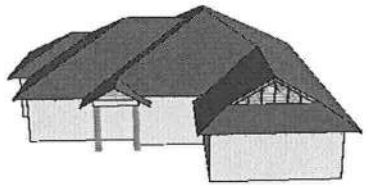
EROSION CONTROL NOTES & DETAILS

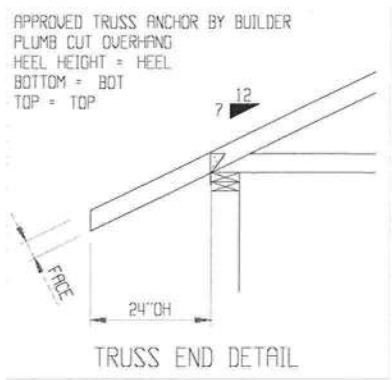
PROJECT NUMBER
07-042

SHEET
EC-1



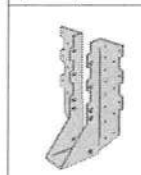
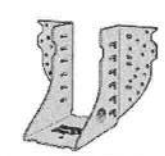






TRUSS END DETAIL

HANGER SCHEDULE

TRUSS HANGER Check TRUSS ENGINEERING for gravity and uplift values if the value exceeds the capacity of a hanger.	
(11)HTU26	(1)HGUS26-2
	

BEARING HEIGHT SCHEDULE

9'-0"

10'-0"

OVERHANG
2'-0"

ROOF PITCH(S)
7/12

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 V10S FOR ALTERNATE BRACING REQUIREMENTS.
3) ALL VALLEYS ARE TO BE CONVENTIONALLY FRAMED BY BUILDER.
4) ALL TRUSSES ARE DESIGNED FOR 2' o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
5) ALL WALLS SHOWN ON PLACEMENT PLAN ARE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
6) SY42 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
7) ALL ROOF TRUSS HANGERS TO BE SIMPSON HUS26 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANGERS TO BE SIMPSON THA422 UNLESS OTHERWISE NOTED.
8) BEAM/HEADER/LINTEL (HDR) TO BE FURNISHED BY BUILDER.

SHOP DRAWING APPROVAL

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

Requested Delivery Date: _____

Approved by _____ Date _____

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

BUILDER: **MARTIN HOME BUILDERS**

LEGAL ADDRESS: **LOT 23 HUNINGTON**

MODEL:	REVISION:
CUSTOM	SCALE: NTS
DATE: **11/22/06**	DRAWN BY: AM
JOB #: **L218299**	

ice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

12-15-06

#23 Hunington at Woodcrest — Lake City

ddress of Treatment or Lot/Block of Treatment) — City

Florida Pest Control & Chemical Co.

www.flapest.com

uct to be used: Bora-Care Termiticide (Wood Treatment)

nical to be used: 23% Disodium Octaborate Tetrahydrate

ation will be performed onto structural wood at dried-in stage of construction. Care Termiticide application shall be applied according to EPA registered label ons as stated in the Florida Building Code Section 1816.1

mation to be provided to local building code offices prior to concrete ation installation.)

6/05 ©

Notice of Treatment 12512

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 5365E BAYA AVE
City Lake City FL Phone 752-1703

Site Location: Subdivision GARY MARTIN
Lot # _____ Block# _____ Permit # 25692
Address 561 SW Kirby Rd.

Product used	Active Ingredient	% Concentration
☐ Dursban TC	Chlorpyrifos	0.5%
☐ Termidor	Fipronil	0.06%
☒ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☒ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Dwelling	2400		5.5 gals

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

6-14-07	11:20	F 799
Date	Time	Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink

6/04 ©