DATE 09/22/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000024998

APPLICANT CHARLES R. TROWBRIDGE PHONE 954.472.0674

ADDRESS 14691 SW 21 STREET DAVIE FL 33325

OWNER CHARLES R. TROWBRIDGE PHONE 954.472.0674

ADDRESS 2728 S. WILSON SPRINGS ROAD FT. WHITE FL 32038

CONTRACTOR CHARLES TROWBRIDGE PHONE 954.472.0674

LOCATION OF PROPERTY FT. WHITE TO WILSON SPRINGS RD.W,APPROX. 3 MILES, DOUBLE GATE ON L SIDE OF RD., SIGN 2728 W/AMERICAN FLAG POST

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 101100.00

HEATED FLOOR AREA 2022.00 TOTAL AREA 2790.00 HEIGHT 21.00 STORIES 1

FOUNDATION CONC WALLS BLOCK ROOF PITCH 8'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

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

PARCEL ID 06-7S-16-04143-102 SUBDIVISION SANTA FE WOODS

LOT 2 BLOCK PHASE UNIT TOTAL ACRES 5.00

		OWNER	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/~~Owner/Contractor~~
EXISTING	06-0800E	BLK	JTH
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance

New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD.

Check # or Cash 301

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 $ 510.00 CERTIFICATION FEE $ 13.95 SURCHARGE FEE $ 13.95

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 $ TOTAL FEE 612.90

INSPECTORS OFFICE CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

Columbia County Building Permit Application

For Office Use Only Application # 0609-14 Date Received 9/7 By JW Permit # 24998

Application Approved by - Zoning Official BLK Date 9.19.06 Plans Examiner OKYH Date 9-22-06

Flood Zone XP (survey) Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments –

Applicants Name Charles Trowbridge Phone 954 472-0674 (954- 472 0674)

Address 14691 SW 21 ST. Davie FL 33325

Owners Name CHARLES & LINDA TROWBRIDGE Phone 305-439-2552

911 Address 2728 SW Wilson Springs Rd. Ft White, FL 32038

Contractors Name CHARLES TROWBRIDGE Phone 305-439-2552

Address 14691 S.W. 21 St., DAVIE, FL 33325

Fee Simple Owner Name & Address NA

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Will Myers Design, Lake City, FL NICK GRELLE - ARCHITECT

Mortgage Lenders Name & Address NA

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

Property ID Number 06-7S-16-04143-102 Estimated Cost of Construction 155,000.

Subdivision Name SANTA FE WOODS Lot 2 Block — Unit — Phase —

Driving Directions WEST ON WILSON SPRINGS ROAD FROM FORT WHITE to 2728 (SOUTH SIDE OF ROAD) NOTE 3 LOTS EAST OF PUPE'S STORE

Type of Construction CBS BLOCK RESIDENCE Number of Existing Dwellings on Property 0

Total Acreage 5 Lot Size 898 X 270' Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 560 ✓ Side 121 ✓ Side 60 Rear 248

Total Building Height 21' Number of Stories ONE Heated Floor Area 2206 (2022) Roof Pitch 8-12

TOTAL 2790

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

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

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

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 7 day of September 20 06

LAURIE HODSON
MY COMMISSION # DD 333503
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

Personally known ____ or Produced Identification ____

Notary Signature

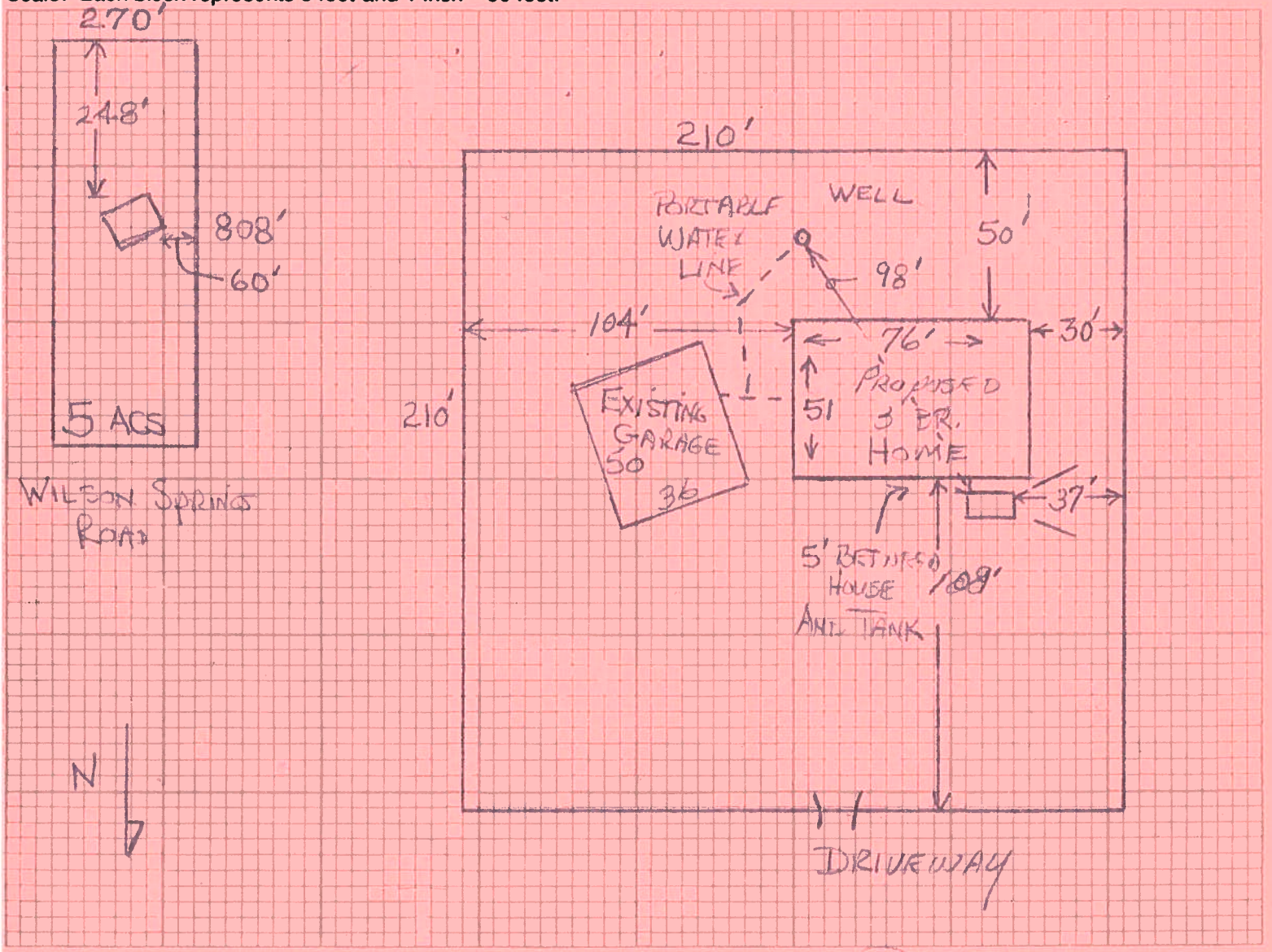
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0800E

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: DISTANCE FROM SEPTIC TANK TO POTABLE WATER LINE IS 60'.

Site Plan submitted by: [signature] (Signature) OWNER (Title)

Plan Approved X Not Approved ____ Date 7 SEPT 06

By Sallie Giaddy ESII COLUMBIA County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

McCall SERVICE, INC.

Call McCall..."We Do It All"

RETAIN THIS CERTIFICATE FOR A MINIMUM OF 3 YEARS

PRETREATMENT CERTIFICATE OF COMPLETION
And PROPERTY OWNER'S TRANSFER GUARANTEE

Builder Charles Trowbridge Date 6-22-07

Address of Treatment 2728 SW Wilson Spring Rd

City Ft White State FL Zip _____

The building has received a complete treatment for the prevention of subterranean termites. Treatment is in accordance with rules and laws established by the Florida Department of Agriculture and Consumer Services.

Treatment Date 10/30/06

Square Footage of Property Treated 2790

By _____ Authorized Agent

Type Material Used Bifenthrin

% active .06

Total Gallons Applied 519

Other means _____

NOTICE TO PROPERTY OWNER

Your builder selected our company to provide the subterranean termite protection on your property. This treatment provides coverage for you for one year from the date of treatment. As a new property owner, Florida Law, Chapter 482.227 FS, and 5E-14.105, requires that the property owner, "at the time of each renewal, if a previous renewal was purchased, shall have the option of extending the guarantee annually after the first year, for no less than four additional years."

I acknowledge my understanding of the options available to me under the Florida Statutes as outlined above, and by my signature below, authorize MCCALL SERVICE, INC. to transfer the subterranean Termite Protection currently registered in my builders name to:

Name _____ Signature _____

Address _____

City _____ State FL Zip _____

Mailing Address if Different from Treated Property 9/30/07 10:47 472-5455

Home Telephone (____) _____ Business Telephone (____) _____

Financing (check one) ☐ Conventional ☐ FHA/VA Closing Date _____

NOTE: As the new owner, you will receive a Subterranean Termite Protection Guarantee in your name. If you have not received your guarantee within thirty (30) days of closing, please contact our Termite Department at (904) 389-5561

M-2029

#24998

BUILDER COPY

McCall SERVICE
Protecting Your Home From the Ground Up

Call McCall..."We Do It All"

IMPORTANT NOTICE TO OWNER

This building has received a complete treatment for the prevention of subterranean termites. Treatment is in accordance with rules and laws established by the Florida Department of Agriculture and Consumer Services. Continued protection requires that annual inspections be made. Please contact us at McCall Service, Inc.

By: 9/30/07

Ph: 472-5455 Renewal Date: 10-30-07

DO NOT REMOVE

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:	**Charles & Linda Trowbridge**	Builder:	
Address:	**2728 S Wilson Springs RD**	Permitting Office:	24998
City, State:	**, FL 36038-**	Permit Number:	24998
Owner:	**Trowbridge Res.**	Jurisdiction Number:	221060
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 50.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No		
6. Conditioned floor area (ft²)	2022 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 (Sngle Default) 304.0 ft²	a. Electric Heat Pump	Cap: 50.0 kBtu/hr
b. SHGC:			HSPF: 7.20
(or Clear or Tint DEFAULT)	7b. (Clear) 304.0 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 217.0(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 50.0 gallons
a. Concrete, Ext Insul, Exterior	R=5.0, 1412.0 ft²		EF: 0.90
b. N/A		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, 2200.0 ft²	15. HVAC credits	PT,
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: Interior	Sup. R=6.0, 45.0 ft	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	

Glass/Floor Area: 0.15 Total as-built points: 28018 Total base points: 28306 **PASS**

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

PREPARED BY: Jan Moore's

DATE: 6-28-06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

Residential System Sizing Calculation

Summary

Trowbridge Res.
2728 S Wilson Springs RD
, FL 36038-

Project Title:
Charles & Linda Trowbridge

Code Only
Professional Version
Climate: North

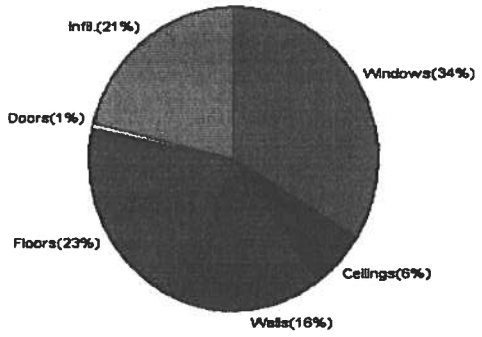
6/28/2006

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	**42071**	**Btuh**	**Total cooling load calculation**	**41076**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	118.8	50000	Sensible (SHR = 0.75)	113.7	37500
Heat Pump + Auxiliary(0.0kW)	118.8	50000	Latent	154.4	12500
			Total (Electric Heat Pump)	121.7	50000

WINTER CALCULATIONS

Winter Heating Load (for 2022 sqft)

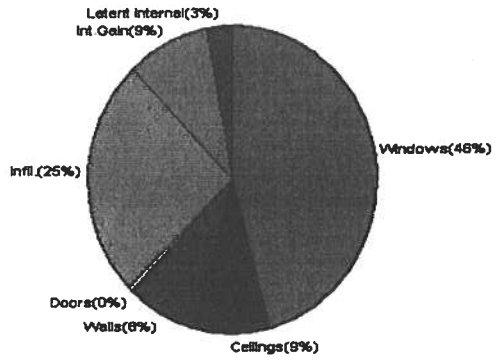
Load component			Load	
Window total	304	sqft	14285	Btuh
Wall total	1412	sqft	6724	Btuh
Door total	20	sqft	259	Btuh
Ceiling total	2200	sqft	2592	Btuh
Floor total	217	sqft	9474	Btuh
Infiltration	216	cfm	8736	Btuh
Duct loss			0	Btuh
Subtotal			**42071**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**42071**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2022 sqft)

Load component			Load	
Window total	304	sqft	18703	Btuh
Wall total	1412	sqft	3144	Btuh
Door total	20	sqft	196	Btuh
Ceiling total	2200	sqft	3643	Btuh
Floor total			0	Btuh
Infiltration	189	cfm	3512	Btuh
Internal gain			3780	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**32979**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			6897	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**8097**	**Btuh**
TOTAL HEAT GAIN			**41076**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: Jon Maccis
DATE: 6-28-06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Trowbridge Res.
2728 S Wilson Springs RD
, FL 36038-

Project Title:
Charles & Linda Trowbridge

Code Only
Professional Version
Climate: North

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

6/28/2006

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	60.0	47.0	2819 Btuh
2	1, Clear, Metal, 1.27	W	120.0	47.0	5639 Btuh
3	1, Clear, Metal, 1.27	N	10.0	47.0	470 Btuh
4	1, Clear, Metal, 1.27	E	18.0	47.0	846 Btuh
5	1, Clear, Metal, 1.27	E	60.0	47.0	2819 Btuh
6	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
7	1, Clear, Metal, 1.27	S	6.0	47.0	282 Btuh
	Window Total		304(sqft)		14285 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Concrete Blk,Hollow - Ext(0.13)	5.0	1412	4.8	6724 Btuh
	Wall Total		1412		6724 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		20		259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2200	1.2	2592 Btuh
	Ceiling Total		2200		2592Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	217.0 ft(p)	43.7	9474 Btuh
	Floor Total		217		9474 Btuh
			Zone Envelope Subtotal:		33334 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	16176	215.7	8736 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**42071 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	42071 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	42071 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Trowbridge Res. 2728 S Wilson Springs RD , FL 36038-	Project Title: Charles & Linda Trowbridge	Code Only Professional Version Climate: North

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

Manual J Winter Calculations

Residential Load - Component Details (continued)

Trowbridge Res. 2728 S Wilson Springs RD , FL 36038-	Project Title: Charles & Linda Trowbridge	Code Only Professional Version Climate: North

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

Trowbridge Res.
2728 S Wilson Springs RD
, FL 36038-

Project Title:
Charles & Linda Trowbridge

Code Only
Professional Version
Climate: North

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

6/28/2006

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	W	60.0	47.0	2819 Btuh
2	1, Clear, Metal, 1.27	W	120.0	47.0	5639 Btuh
3	1, Clear, Metal, 1.27	N	10.0	47.0	470 Btuh
4	1, Clear, Metal, 1.27	E	18.0	47.0	846 Btuh
5	1, Clear, Metal, 1.27	E	60.0	47.0	2819 Btuh
6	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
7	1, Clear, Metal, 1.27	S	6.0	47.0	282 Btuh
	Window Total		304(sqft)		14285 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Concrete Blk,Hollow - Ext(0.13)	5.0	1412	4.8	6724 Btuh
	Wall Total		1412		6724 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		20		259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2200	1.2	2592 Btuh
	Ceiling Total		2200		2592Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	217.0 ft(p)	43.7	9474 Btuh
	Floor Total		217		9474 Btuh
			Zone Envelope Subtotal:		33334 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.80	16176	215.7	8736 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**42071 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	42071 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	42071 Btuh

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Trowbridge Res.
2728 S Wilson Springs RD
, FL 36038-

Project Title:
Charles & Linda Trowbridge

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 6/28/2006

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	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	60.0	0.0	60.0	37	94	5643 Btuh
2	1, Clear, 1.27, None,N,N	W	19.5f	8ft.	120.0	120.0	0.0	37	94	4494 Btuh
3	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	10.0	0.0	10.0	37	37	375 Btuh
4	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	18.0	0.0	18.0	37	94	1693 Btuh
5	1, Clear, 1.27, None,N,N	E	7.5ft	8ft.	60.0	38.7	21.3	37	94	3453 Btuh
6	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	30.0	0.0	30.0	37	94	2821 Btuh
7	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	6.0	6.0	0.0	37	43	225 Btuh
	Window Total				304 (sqft)					18703 Btuh

	Type	R-Value/U-Value	Area(sqft)	HTM	Load
Walls					
1	Concrete Blk,Hollow - Ext	5.0/0.13	1412.0	2.2	3144 Btuh
	Wall Total		1412 (sqft)		3144 Btuh
Doors	Type		Area (sqft)	HTM	Load
1	Insulated - Exterior		20.0	9.8	196 Btuh
	Door Total		20 (sqft)		196 Btuh
Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2200.0	1.7	3643 Btuh
	Ceiling Total		2200 (sqft)		3643 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	217 (ft(p))	0.0	0 Btuh
	Floor Total		217.0 (sqft)		0 Btuh
				Zone Envelope Subtotal:	25686 Btuh

Infiltration	Type	ACH	Volume(cuft)		CFM=	Load
	SensibleNatural	0.70	16176		188.7	3512 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		6	X 230	+	2400	3780 Btuh
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)				DGM = 0.00	0.0 Btuh
					Sensible Zone Load	**32979 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Trowbridge Res.
2728 S Wilson Springs RD
, FL 36038-

Project Title:
Charles & Linda Trowbridge

Code Only
Professional Version
Climate: North

6/28/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**32979**	**Btuh**
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	**32979**	**Btuh**
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
	Total sensible gain	**32979**	**Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	6897	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	**8097**	**Btuh**
	TOTAL GAIN	**41076**	**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

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Trowbridge Res.
2728 S Wilson Springs RD
, FL 36038-

Project Title:
Charles & Linda Trowbridge

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 6/28/2006

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	1, Clear, 1.27, None,N,N	W	1.5ft	8ft.	60.0	0.0	60.0	37	94	5643 Btuh
2	1, Clear, 1.27, None,N,N	W	19.5f	8ft.	120.0	120.0	0.0	37	94	4494 Btuh
3	1, Clear, 1.27, None,N,N	N	1.5ft	8ft.	10.0	0.0	10.0	37	37	375 Btuh
4	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	18.0	0.0	18.0	37	94	1693 Btuh
5	1, Clear, 1.27, None,N,N	E	7.5ft	8ft.	60.0	38.7	21.3	37	94	3453 Btuh
6	1, Clear, 1.27, None,N,N	E	1.5ft	8ft.	30.0	0.0	30.0	37	94	2821 Btuh
7	1, Clear, 1.27, None,N,N	S	1.5ft	8ft.	6.0	6.0	0.0	37	43	225 Btuh
	Window Total				304 (sqft)					18703 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Concrete Blk,Hollow - Ext	5.0/0.13	1412.0	2.2	3144 Btuh
	Wall Total		1412 (sqft)		3144 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	9.8	196 Btuh
	Door Total	20 (sqft)		196 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2200.0	1.7	3643 Btuh
	Ceiling Total		2200 (sqft)		3643 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	217 (ft(p))	0.0	0 Btuh
	Floor Total		217.0 (sqft)		0 Btuh

				Zone Envelope Subtotal:	25686 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.70	16176	188.7	3512 Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	6	X 230	+	2400	3780 Btuh

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

	Sensible Zone Load	**32979 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Trowbridge Res.
2728 S Wilson Springs RD
, FL 36038-

Project Title:
Charles & Linda Trowbridge

Code Only
Professional Version
Climate: North

6/28/2006

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**32979**	**Btuh**
	Sensible Duct Load	0	Btuh
	Total Sensible Zone Loads	**32979**	**Btuh**
	Sensible ventilation	0	Btuh
	Blower	0	Btuh
Whole House	**Total sensible gain**	**32979**	**Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	6897	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	**8097**	**Btuh**
	TOTAL GAIN	**41076**	**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

Trowbridge Res.
2728 S Wilson Springs RD
, FL 36038-

Project Title:
Charles & Linda Trowbridge

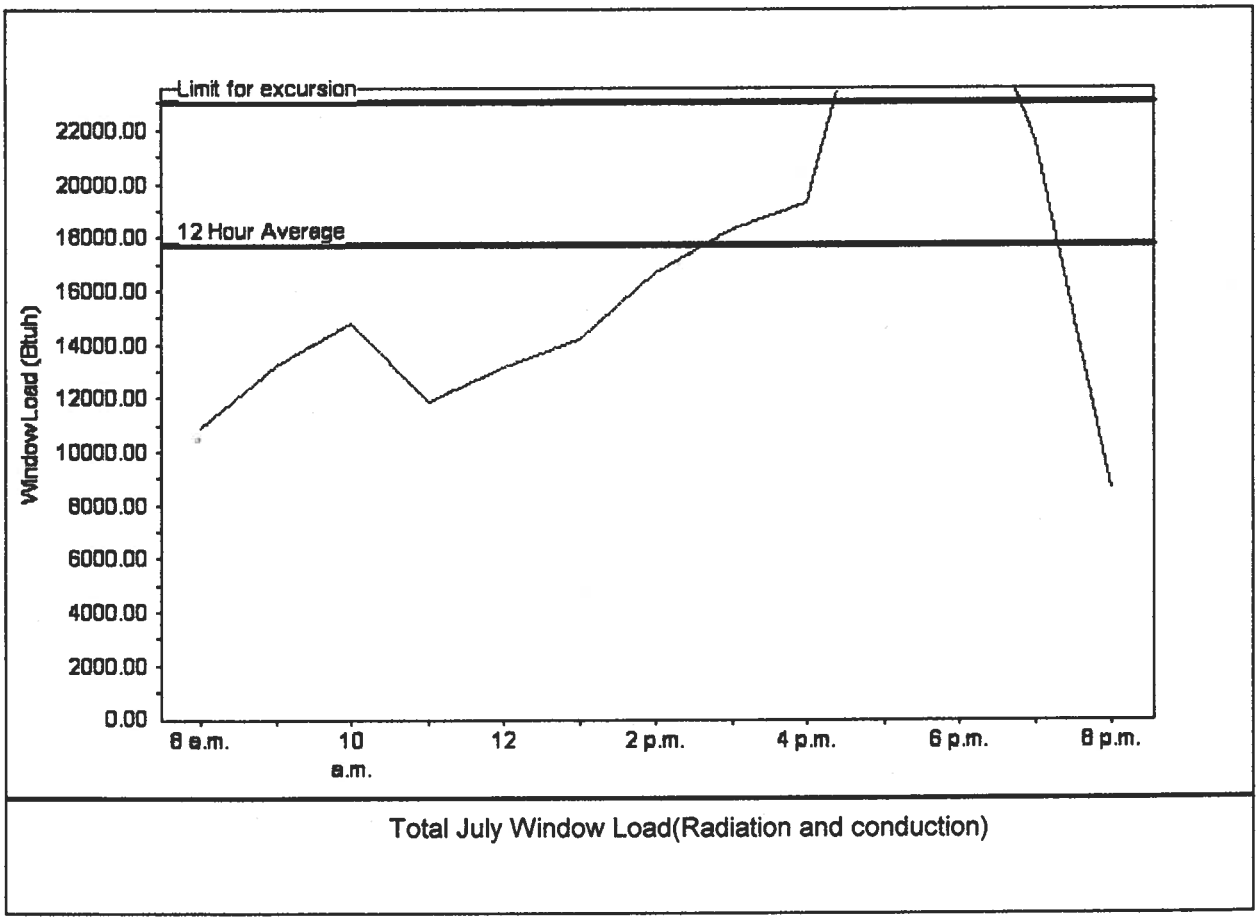
Code Only
Professional Version
Climate: North

6/28/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	17730 Btu
Summer setpoint	75 F	Peak window load for July	29982 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	23049 Btu
Latitude	29 North	Window excursion (July)	6933 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: _____

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online @ www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	JELD WEN	FRENCH DOORS EXTERIOR	02-1211.18
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. ~~SINGLE~~/DOUBLE HUNG	JELD WEN	EXTERIOR DOORS + WINDOWS	02-1022.14
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL	METAL ROOFING	COMPONENTS - STANDING SEAM	01-0814.04
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

APPLICANT SIGNATURE

30 AUG 2006
DATE

R-1305 01-04

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **2728 S Wilson Springs RD, , FL, 36038-** 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	2022.0	20.04	7293.8	Single, Clear	W	1.5	8.0	60.0	43.84	0.96	2520.1	
				Single, Clear	W	19.5	8.0	120.0	43.84	0.39	2045.1	
				Single, Clear	N	1.5	8.0	10.0	21.73	0.97	210.2	
				Single, Clear	E	1.5	8.0	18.0	47.92	0.96	825.9	
				Single, Clear	E	7.5	8.0	60.0	47.92	0.53	1533.7	
				Single, Clear	E	1.5	8.0	30.0	47.92	0.96	1376.6	
				Single, Clear	S	1.5	8.0	6.0	40.81	0.92	226.1	
				As-Built Total:				**304.0**			**8737.7**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Concrete, Ext Insul, Exterior			5.0	1412.0	0.50		706.0	
Exterior	1412.0	1.70	2400.4									
Base Total:	**1412.0**		**2400.4**	**As-Built Total:**				**1412.0**			**706.0**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				20.0	4.10		82.0	
Exterior	20.0	4.10	82.0									
Base Total:	**20.0**		**82.0**	**As-Built Total:**				**20.0**			**82.0**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	2022.0	1.73	3498.1	Under Attic			30.0	2200.0	1.73 X 1.00		3806.0	
Base Total:	**2022.0**		**3498.1**	**As-Built Total:**				**2200.0**			**3806.0**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	217.0(p)	-37.0	-8029.0	Slab-On-Grade Edge Insulation			0.0	217.0(p	-41.20		-8940.4	
Raised	0.0	0.00	0.0									
Base Total:			**-8029.0**	**As-Built Total:**				**217.0**			**-8940.4**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	2022.0	10.21	20644.6					2022.0	10.21		20644.6	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **2728 S Wilson Springs RD, , FL, 36038-**	PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 25889.8				**Summer As-Built Points:**						**25035.9**
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 50000 btuh ,SEER/EFF(12.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)						
				25036	1.00	(1.09 x 1.147 x 0.91)	0.284	0.950	7696.1	
25889.8	**0.4266**	**11044.6**		**25035.9**	**1.00**	**1.138**	**0.284**	**0.950**	**7696.1**	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **2728 S Wilson Springs RD, , FL, 36038-** 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	2022.0	12.74	4636.9	Single, Clear	W	1.5	8.0	60.0	28.84	1.01	1749.6	
				Single, Clear	W	19.5	8.0	120.0	28.84	1.23	4261.7	
				Single, Clear	N	1.5	8.0	10.0	33.22	1.00	332.5	
				Single, Clear	E	1.5	8.0	18.0	26.41	1.02	484.8	
				Single, Clear	E	7.5	8.0	60.0	26.41	1.27	2010.2	
				Single, Clear	E	1.5	8.0	30.0	26.41	1.02	808.0	
				Single, Clear	S	1.5	8.0	6.0	20.24	1.04	126.4	
				As-Built Total:				**304.0**			**9773.2**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	Concrete, Ext Insul, Exterior			5.0	1412.0	4.30		6071.6	
Exterior	1412.0	3.70	5224.4									
Base Total:	**1412.0**		**5224.4**	**As-Built Total:**				**1412.0**			**6071.6**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				20.0	8.40		168.0	
Exterior	20.0	8.40	168.0									
Base Total:	**20.0**		**168.0**	**As-Built Total:**				**20.0**			**168.0**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points	
Under Attic	2022.0	2.05	4145.1	Under Attic			30.0	2200.0	2.05 X	1.00	4510.0	
Base Total:	**2022.0**		**4145.1**	**As-Built Total:**				**2200.0**			**4510.0**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points	
Slab	217.0(p)	8.9	1931.3	Slab-On-Grade Edge Insulation			0.0	217.0(p	18.80		4079.6	
Raised	0.0	0.00	0.0									
Base Total:			**1931.3**	**As-Built Total:**				**217.0**			**4079.6**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points	
	2022.0	-0.59	-1193.0					2022.0	-0.59		-1193.0	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **2728 S Wilson Springs RD, , FL, 36038-** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**14912.7**	**Winter As-Built Points:**					**23409.4**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 50000 btuh ,EFF(7.2) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
14912.7	0.6274	9356.2	23409.4	1.00	1.162	0.474	0.950	12240.8
			23409.4	1.000	(1.069 x 1.169 x 0.93)	0.474	0.950	12240.8

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **2728 S Wilson Springs RD, , FL, 36038-** 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		50.0	0.90	3	1.00	2693.56	1.00	8080.7	
				As-Built Total:						**8080.7**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
11045	**9356**	**7905**	**28306**	**7696**	**12241**	**8081**	**28018**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **2728 S Wilson Springs RD, , FL, 36038-** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.9

The higher the score, the more efficient the home.

Trowbridge Res., 2728 S Wilson Springs RD, , FL, 36038-

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 50.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 12.00
4.	Number of Bedrooms	3		b. N/A	
5.	Is this a worst case?	No			
6.	Conditioned floor area (ft²)	2022 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 (Sngle Default) 304.0 ft²		a. Electric Heat Pump	Cap: 50.0 kBtu/hr
	b. SHGC:				HSPF: 7.20
	(or Clear or Tint DEFAULT)	7b. (Clear) 304.0 ft²		b. N/A	
8.	Floor types				
	a. Slab-On-Grade Edge Insulation	R=0.0, 217.0(p) ft		c. N/A	
	b. N/A				
	c. N/A		14.	Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 50.0 gallons
	a. Concrete, Ext Insul, Exterior	R=5.0, 1412.0 ft²			EF: 0.90
	b. N/A			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, 2200.0 ft²	15.	HVAC credits	PT,
	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: Interior	Sup. R=6.0, 45.0 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.

DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THER OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed $25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F .I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

(X) Single Family Dwelling
( ) Two-Family Residence
( ) Farm Outbuilding
( ) Other_____
( ) New Construction
( ) Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

I CHARLES R. ROWBRIDGE, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number_____

Charles R. Rowbridge 30 Aug 06
Signature Date

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date 9.7.06 Building Official/Representative C Davis

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.

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.

Tax Parcel ID Number 06-7S-16-04143-102 **PERMIT NUMBER** _____

1. **Description of property: (legal description of the property and street address or 911 address)**
911 ADDRESS → 2728 S.W. WILSON SPRINGS ROAD, FORT WHITE, FL 32038
LOT 2 OF "SANTA FE WOODS" AS PER PLAT THEREOF RECORDED IN PLAT BOOK 6, PAGE 12A OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA
2. **General description of improvement:** CONSTRUCTION OF SINGLE STORY, SINGLE FAMILY RESIDENCE
3. **Owner Name & Address** CHARLES R. AND LINDA G. TROWBRIDGE, 14691 S.W. 21 ST., DAVIE, FL 33325 **Interest in Property** OWNER
4. **Name & Address of Fee Simple Owner (if other than owner):** _____
5. **Contractor Name** CHARLES R. TROWBRIDGE **Phone Number** 954-472-0674
Address 14691 S.W. 21 ST., DAVIE, FL 33325
6. **Surety Holders Name** NA **Phone Number** _____
Address _____
Amount of Bond _____
Inst:2006021292 Date:09/07/2006 Time:11:25
$.9 DC,P.DeWitt Cason,Columbia County B:1095 P:523
7. **Lender Name** NA
Address _____
8. **Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:**
Name CHARLES R. TROWBRIDGE **Phone Number** 954-472-0674
Address 14691 S.W. 21 ST., DAVIE, FL 33325
9. **In addition to himself/herself the owner designates** LINDA TROWBRIDGE **of** FORT WHITE, FL **to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) –**
(a) 7. Phone Number of the designee 305-439-2552
10. **Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified)** ONE YEAR

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Charles R. Trowbridge
Linda R. Trowbridge
Signature of Owner

Provided FL DL

Sworn to (or affirmed) and subscribed before day of 7 September, 2006

NOTARY STAMP/SEAL

ROSE ANN AIELLO
MY COMMISSION # DD 297594
EXPIRES: February 17, 2009
Fl. Notary Discount Assoc. Co.
1-800-3-NOTARY

Rose Ann Aiello
Signature of Notary Rose Ann Aiello

From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: 0609-14

Owner/Builder Charles Trowbridge Property ID#06-7s-16-04143102

On the date of September 12, 2006 application 0609-14 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0609-14 and when making reference to this application.

This is a plan review for compliance with the Florida Residential Code 2004 only and doesn't make any consideration toward the land use and zoning requirements.

9-14-06

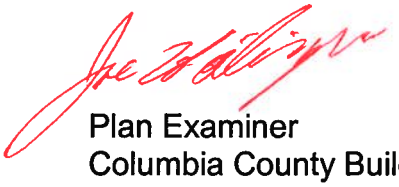
1. The truss plans which were submitted with the application are required to have the truss designer embossed raised engineers seal. Please submit two sets of these required truss package plans.

CK #301

2. Please verify that the window in the master bath shower area will comply with section R308.4 of the Florida Residential Building Code: Hazardous locations: Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers. Glazing in any part of a building wall enclosing these compartments where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface. Each pane of glazing installed in hazardous locations as defined in Section R308.4 shall be provided with a manufacturer's or installer's label, designating the type and thickness of glass and the safety glazing standard with which it complies, which is visible in the final installation. The label shall be acid etched, sandblasted, ceramic-fired, embossed mark, or shall be of a type which once applied cannot be removed without being destroyed.

3. The structural design by Mr. Nicholas Geisler requires that the soil conditions have a load bearing capacity of 1,500 PSF. Therefore please confer with Mr.Geisler about this foundation design or follow the prescribed testing methods to reveal the soil load bearing capacities. Have a registered professional conduct subsurface explorations at the project site upon which foundations are to be constructed, a sufficient number (not less than four, one boring on each corner of the building foundation) borings shall be made to a depth of not less than 10 feet (3048 mm) below the level of the foundations to provide assurance of the soundness of the foundation bed and its load-bearing capacity.

Joe Haltiwanger



Plan Examiner
Columbia County Building
Department

NOTICE OF TREATMENT

Applicator Name McCall's Services

Address 415 NW 250 St

City Newberry

Time 10:37 Date 10-30-06

SITE LOCATION

Lot # 2 Block # _____ Permit # 24998

Subdivision Santa Fe Woods

Address 27248 S Wilson Springs Rd

Name of Chemical Applied Bifenthrin 429.12 oz Used .06 %

Area Treated 2790 sqft 272 LNft

Gallons Used 447 gals

Remarks Supported Slab

Applicator - White Permit File - Canary Permit Holder - Pink

M 1043

UNIVERSAL
ENGINEERING SCIENCES

Consultants In: Geotechnical Engineering • Environmental Sciences • Construction Materials Testing

4475 S.W. 35th Terrace • Gainesville, Florida 32608 • (352) 372-3392

REPORT ON IN-PLACE DENSITY TESTS

no permit posted

24998

CLIENT: Richardson Site Plg

PROJECT: Trowbridge Residence Ft. White

AREA TESTED: Fill & prep Bldg. pad

COURSE: F/G

DEPTH OF TEST: 0-1'

TYPE OF TEST: Astnd 2922

DATE TESTED: 10-9-06

NOTE: The below tests (DO) ~~DO NOT~~ meet the minimum 95 % compaction requirements of maximum density.

REMARKS:

LOCATION OF TESTS	DRY DEN.	MAX. DEN.	% MAX. DEN.	% MOIST.	OPT. MOIST.
		107.1			10.8
App 10' SW of NE corner of prop. Bldg. pad	101.9		95.1	4.8	
App-Center of pad.	103.1		96.3	6.3	
App 10' NE of SW corner of pad.	104.7		97.8	3.7	

4404

TECH. CS

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 06-7S-16-04143-102 **Building permit No.** 000024998

Use Classification SFD/UTILITY **Fire:** 22.32

Permit Holder CHARLES TROWBRIDGE **Waste:** 67.00

Owner of Building CHARLES R. TROWBRIDGE **Total:** 89.32

Location: 2728 S WILSON SPRINGS RD, FT. WHITE, FL

Date: 06/18/2007

John Kence

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

MiTek®

RE: TROWCH - TROWBRIDGE RESIDENCE

MiTek Industries, Inc.
1801 Massaro Blvd.
Tampa, Fl 33619
Phone: 813/675-1200
Fax: 813/675-1148

Site Information:
Project Customer: Project Name:
Lot/Block: 2 Subdivision: SANTA FE WOODS
Address:
City: FORT WHITE State: FLORIDA

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2004/TPI2002 Design Program: MiTek 20/20 6.3
Wind Code: ASCE 7/02 Wind Speed: 110 mph Design Method: User defined
Roof Load: 40 psf, nonconcurrent BCLL=10 psf Floor Load: N/A psf

This package includes 20 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Job ID#	Truss Name	Date	No.	Seal#	Job ID#	Truss Name	Date
1	T2343457	TROWCH	A	8/30/06	17	T2343473	TROWCH	G	8/30/06
2	T2343458	TROWCH	A1	8/30/06	18	T2343474	TROWCH	GET	8/30/06
3	T2343459	TROWCH	A2	8/30/06	19	T2343475	TROWCH	GGT	8/30/06
4	T2343460	TROWCH	AET	8/30/06	20	T2343476	TROWCH	P1	8/30/06
5	T2343461	TROWCH	B1	8/30/06					
6	T2343462	TROWCH	B1ET	8/30/06					
7	T2343463	TROWCH	BET	8/30/06					
8	T2343464	TROWCH	C	8/30/06					
9	T2343465	TROWCH	CET	8/30/06					
10	T2343466	TROWCH	D	8/30/06					
11	T2343467	TROWCH	DET	8/30/06					
12	T2343468	TROWCH	E	8/30/06					
13	T2343469	TROWCH	EET	8/30/06					
14	T2343470	TROWCH	F	8/30/06					
15	T2343471	TROWCH	FET	8/30/06					
16	T2343472	TROWCH	FGT	8/30/06					

The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Santa Fe Truss.

Truss Design Engineer's Name: Zhang, Guo-jie
My license renewal date for the state of is February 28, 2007.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

August 30,2006

Zhang, Guo-jie

0609A

Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE	T2343457
TROWCH	A	ROOF TRUSS	2	1	Job Reference (optional)	

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:23 2006 Page 1

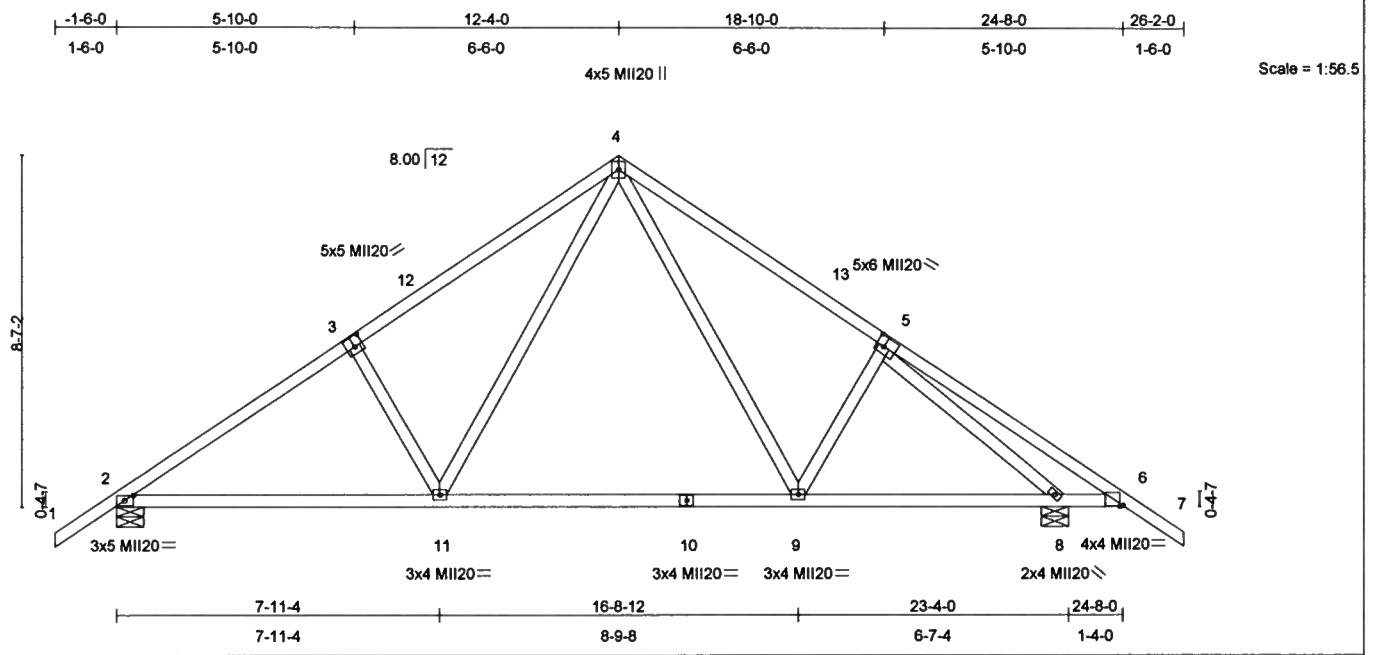


Plate Offsets (X,Y): [2:0-2-9,0-1-8], [3:0-2-8,0-3-0], [5:0-2-4,0-3-0], [6:0-0-15,0-0-2]

LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0		Plates Increase	1.25	TC	0.29	Vert(LL)	-0.09	9-11	>999	240	MII20	249/190
TCDL	10.0		Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.26	9-11	>999	180		
BCLL	10.0	*	Rep Stress Incr	YES	WB	0.77	Horz(TL)	0.03	8	n/a	n/a		
BCDL	10.0		Code FBC2004/TPI2002		(Matrix)							Weight: 134 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 6-8.

REACTIONS (lb/size) 2=1015/0-8-0, 8=1131/0-8-0
Max Horz 2=292(load case 4)
Max Uplift2=-317(load case 5), 8=-371(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-1286/276, 3-12=-1122/303, 4-12=-1016/335, 4-13=-898/290, 5-13=-1003/257, 5-6=-273/359, 6-7=0/48
BOT CHORD 2-11=-171/978, 10-11=-28/623, 9-10=-28/623, 8-9=-72/796, 6-8=-214/365
WEBS 3-11=-294/246, 4-11=-146/493, 4-9=-105/328, 5-9=-142/199, 5-8=-1355/484

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 317 lb uplift at joint 2 and 371 lb uplift at joint 8.

LOAD CASE(S) Standard

Guo-Jie Zhang, FL Lic #47744
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1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

August 30,2006

1801 Massaro Blvd.
Tampa, FL 33619

MiTek®

Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE
TROWCH	A1	ROOF TRUSS	7	1	T2343458
SANTA FE TRUSS, HIGH SPRINGS FL.					Job Reference (optional)

6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:24 2006 Page 1

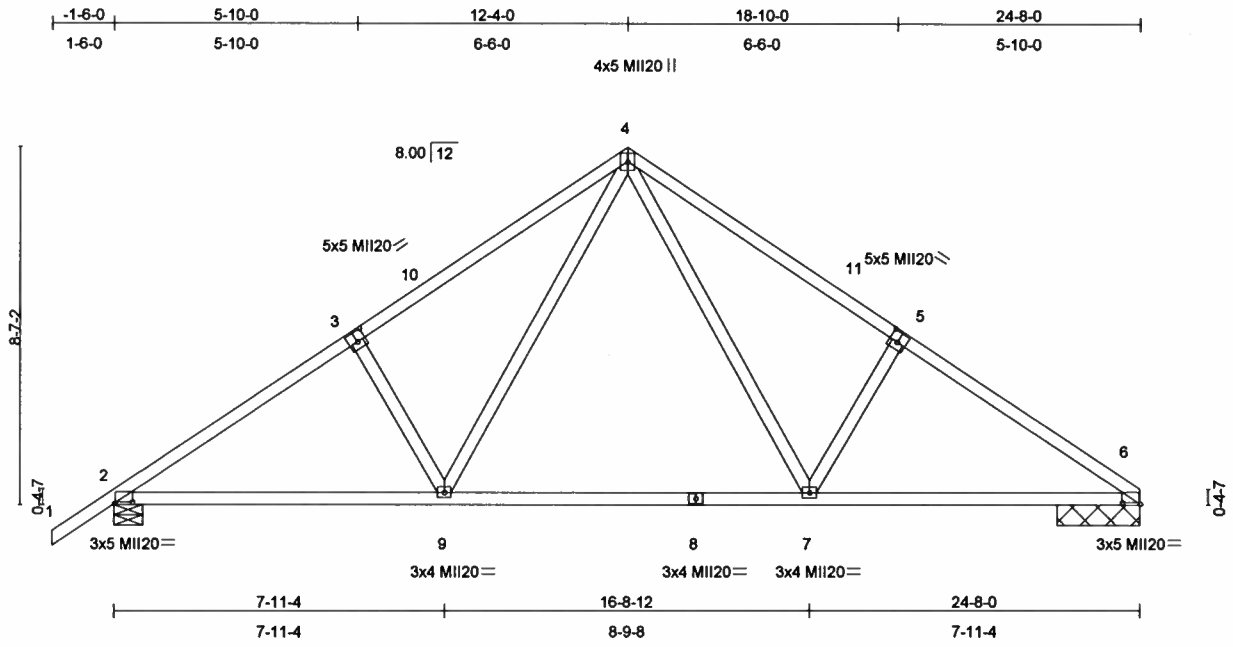

Plate Offsets (X,Y): [2:0-5-3,0-0-6], [3:0-2-8,0-3-0], [5:0-2-8,0-3-0], [6:0-5-3,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC	0.27	Vert(LL)	-0.09	7-9	>999	240	MII20	249/190
TCDL 10.0		Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.24	7-9	>999	180		
BCLL 10.0	*	Rep Stress Incr	YES	WB	0.27	Horz(TL)	0.04	6	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002		(Matrix)							Weight: 123 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=956/2-0-0, 2=1074/0-8-0
Max Horz 2=309(load case 4)
Max Uplift6=-221(load case 6), 2=-328(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-1384/295, 3-10=-1220/321, 4-10=-1114/354, 4-11=-1127/377, 5-11=-1234/344, 5-6=-1379/316
BOT CHORD 2-9=-206/1058, 8-9=-38/710, 7-8=-38/710, 6-7=-160/1075
WEBS 3-9=-293/245, 4-9=-144/486, 4-7=-171/509, 5-7=-304/259

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint 6 and 328 lb uplift at joint 2.

LOAD CASE(S) Standard

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Tampa FL 33619
FL Cert.#6634

August 30,2006

1801 Massaro Blvd.
Tampa, FL 33619

MiTek®

Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE	T2343459
TROWCH	A2	ROOF TRUSS	1	1	Job Reference (optional)	

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:25 2006 Page 1

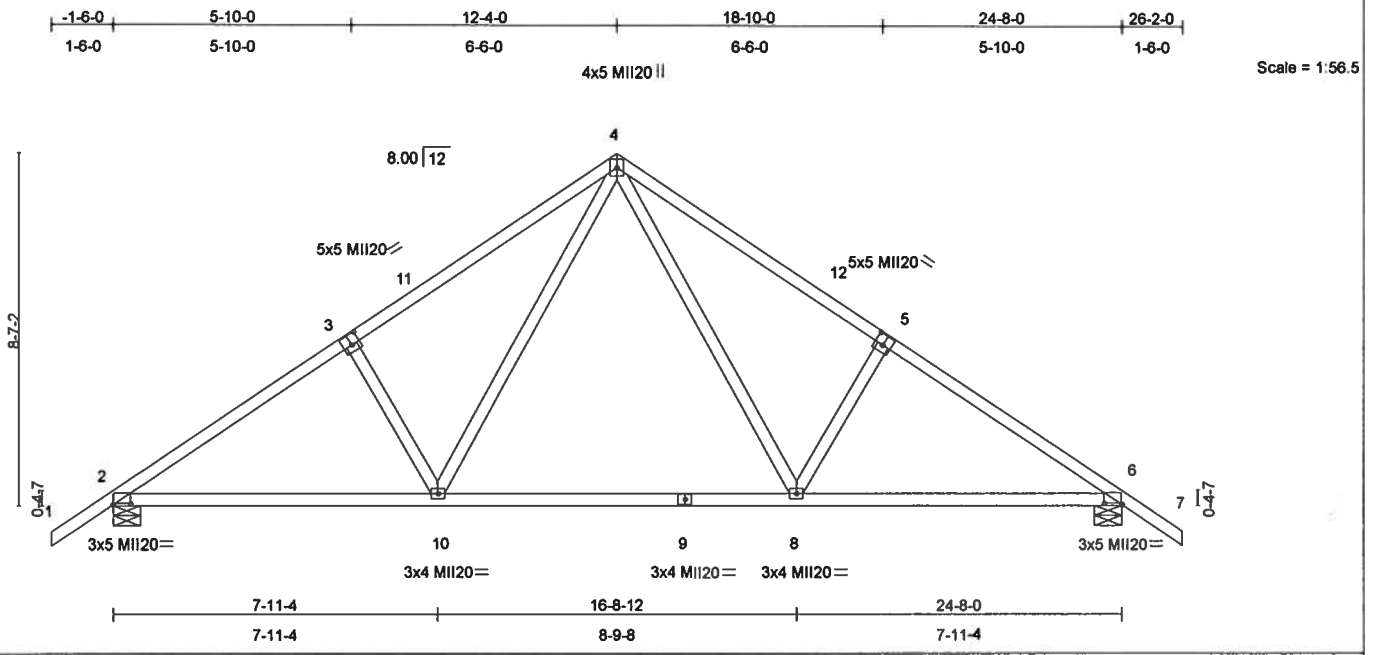

Plate Offsets (X,Y): [2:0-5-3,0-0-6], [3:0-2-8,0-3-0], [5:0-2-8,0-3-0], [6:0-5-3,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.27	Vert(LL)	-0.09	8-10	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.24	8-10	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.23	Horz(TL)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 126 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-4-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=1070/0-8-0, 6=1070/0-8-0
Max Horz 2=292(load case 4)
Max Uplift2=-326(load case 5), 6=-326(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-1378/292, 3-11=-1213/319, 4-11=-1108/352, 4-12=-1108/352, 5-12=-1213/319, 5-6=-1378/292, 6-7=0/51
BOT CHORD 2-10=-180/1053, 9-10=-20/704, 8-9=-20/704, 6-8=-116/1053
WEBS 3-10=-293/245, 4-10=-145/487, 4-8=-145/487, 5-8=-293/245

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 326 lb uplift at joint 2 and 326 lb uplift at joint 6.

LOAD CASE(S) Standard

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

August 30,2006

1801 Massaro Blvd.
Tampa, FL 33619

MiTek®

Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE	T2343460
TROWCH	AET	GABLE	1	1	Job Reference (optional)	

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:27 2006 Page 1

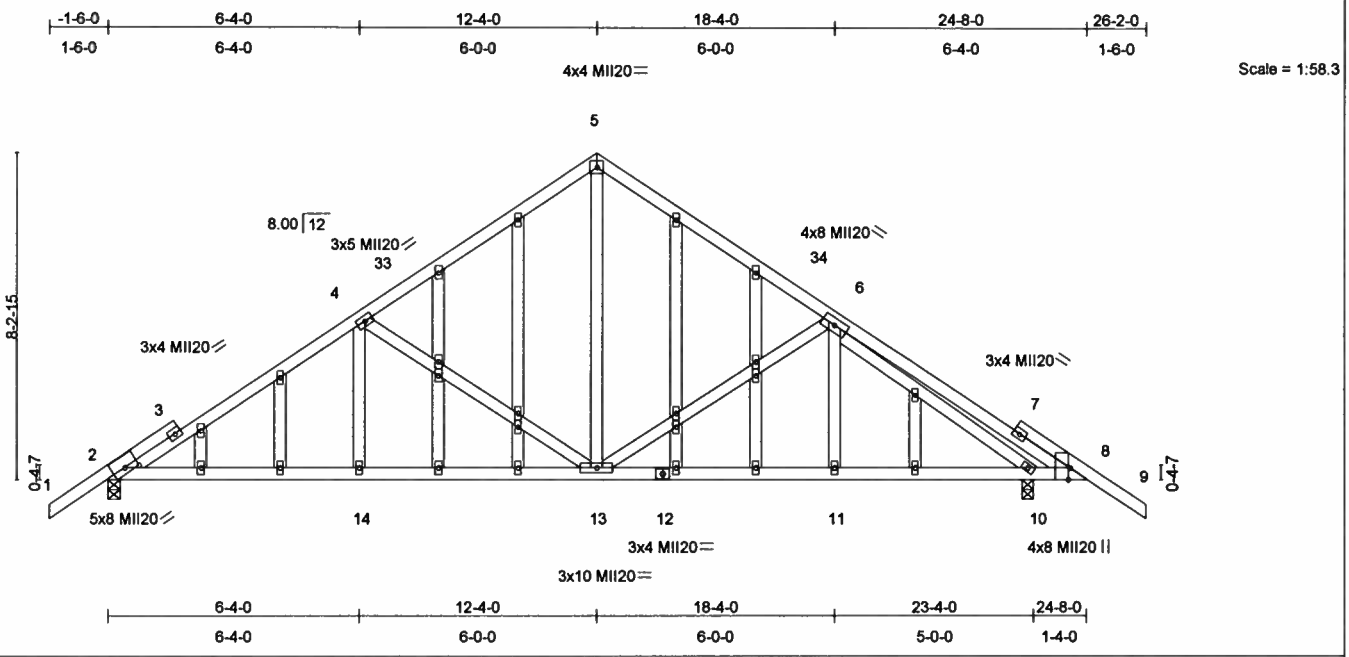

Plate Offsets (X,Y): [2:0-4-5,0-1-12], [8:0-3-8,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	0.06	2-14	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.15	2-14	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.82	Horz(TL)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 184 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-5 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 8-10.

REACTIONS (lb/size) 2=1022/0-3-8, 10=1129/0-3-8
Max Horz 2=280(load case 4)
Max Uplift2=-312(load case 5), 10=-365(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-1414/254, 3-4=-1350/290, 4-33=-933/225, 5-33=-753/255, 5-34=-828/252, 6-34=-927/222, 6-7=-186/200, 7-8=-213/29, 8-9=0/48
BOT CHORD 2-14=-181/1123, 13-14=-181/1123, 12-13=-84/931, 11-12=-84/931, 10-11=-84/931, 8-10=-89/315
WEBS 4-14=0/268, 5-13=-135/584, 6-11=0/211, 4-13=-528/238, 6-13=-319/166, 6-10=-1254/408

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MII20 unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Gable studs spaced at 2-0-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 312 lb uplift at joint 2 and 365 lb uplift at joint 10.

LOAD CASE(S) Standard

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

August 30,2006

1801 Massaro Blvd.
Tampa, FL 33619

MiTek®

Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE	T2343461
TROWCH	B1	ROOF TRUSS	15	1	Job Reference (optional)	

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:28 2006 Page 1

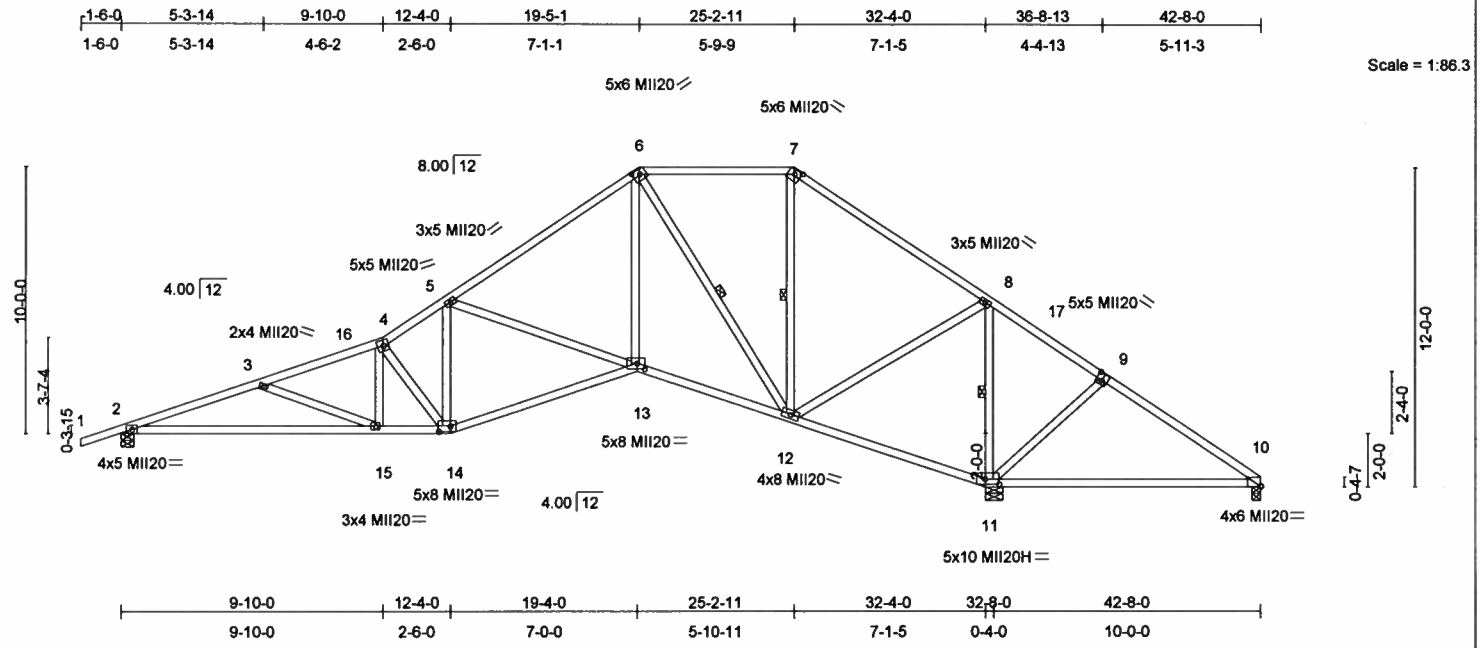

Plate Offsets (X,Y): [6:0-3-0,0-2-3], [7:0-3-0,0-2-3], [9:0-2-8,0-3-4], [10:0-0-3,Edge], [11:0-6-4,0-2-4], [13:0-3-8,0-2-8], [14:0-5-4,0-2-8]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.53	Vert(LL) -0.19 10-11 >647 240	MII20 249/190
TCDL 10.0		Lumber Increase 1.25	BC 0.64	Vert(TL) -0.17 10-11 >716 180	MII20H 187/143
BCLL 10.0	*	Rep Stress Incr YES	WB 0.70	Horz(TL) 0.12 11 n/a n/a	
BCDL 10.0		Code FBC2004/TPI2002	(Matrix)		Weight: 245 lb

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-5-10 oc bracing.
WEBS 1 Row at midpt 7-12, 8-11, 6-12

REACTIONS (lb/size) 2=1144/0-6-0, 11=2713/0-8-0, 10=-372/0-4-0
Max Horz 2=379(load case 4)
Max Uplift 2=-368(load case 3), 11=-446(load case 5), 10=-529(load case 9)
Max Grav 2=1144(load case 1), 11=2713(load case 1), 10=252(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/27, 2-3=-2488/589, 3-16=-2085/397, 4-16=-2020/404, 4-5=-1663/366, 5-6=-1019/200, 6-7=-201/185, 7-8=-363/151, 8-17=-254/1374, 9-17=-275/1245, 9-10=-321/1186
BOT CHORD 2-15=-664/2315, 14-15=-475/1919, 13-14=-429/1506, 12-13=-294/793, 11-12=-1213/327, 10-11=-932/252
WEBS 3-15=-411/321, 4-15=-34/363, 4-14=-862/257, 5-14=-247/357, 5-13=-699/310, 6-13=-195/1081, 7-12=-302/181, 8-12=-317/1478, 8-11=-1922/339, 9-11=-308/237, 6-12=-1169/395

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are MT20 plates unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 368 lb uplift at joint 2, 446 lb uplift at joint 11 and 529 lb uplift at joint 10.

LOAD CASE(S) Standard

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August 30,2006

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Tampa, FL 33619

MiTek®

Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE	T2343462
TROWCH	B1ET	GABLE	2	1	Job Reference (optional)	

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:30 2006 Page 1

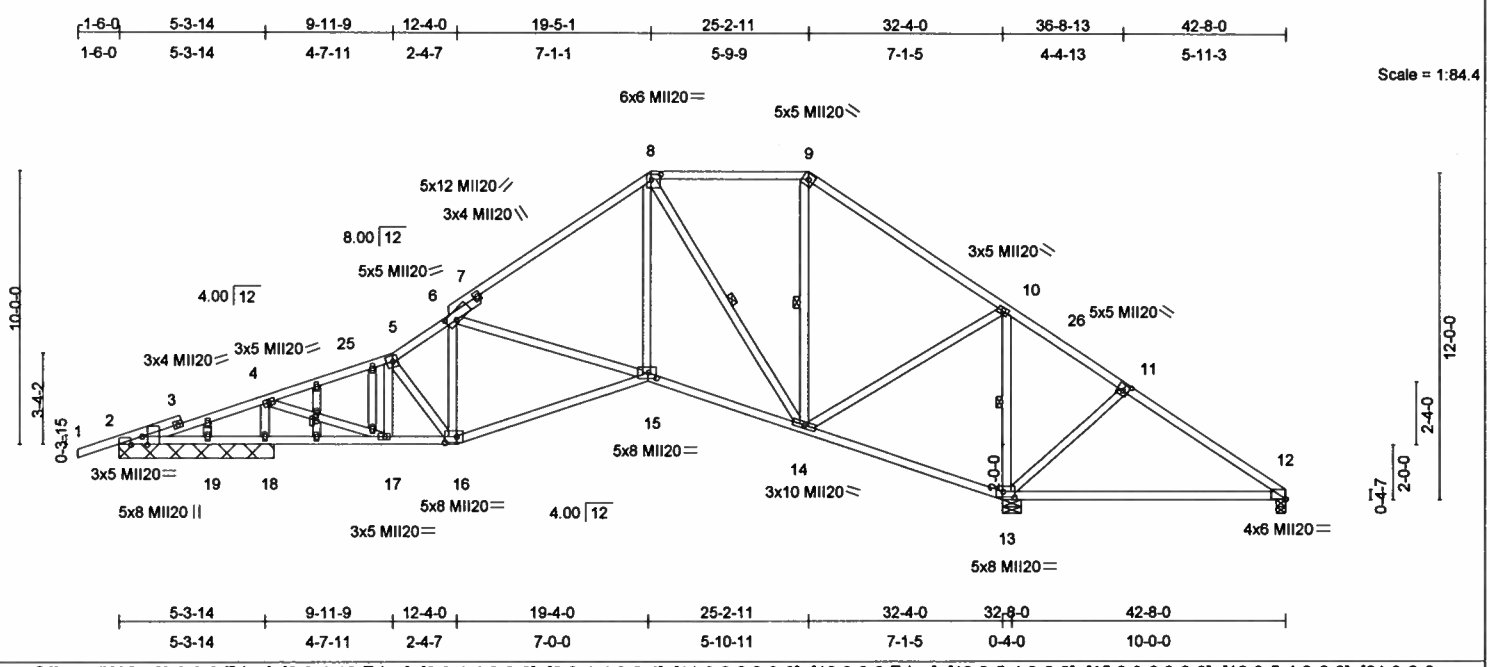

Plate Offsets (X,Y): [2:0-3-8,Edge], [2:0-4-12,Edge], [6:0-4-4,0-3-9], [8:0-4-4,0-2-4], [11:0-2-8,0-3-0], [12:0-0-3,Edge], [13:0-5-4,0-2-8], [15:0-3-8,0-2-8], [16:0-5-4,0-2-8], [21:0-2-0,0-1-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.19	12-13	>639	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.51	12-13	>239	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.46	Horz(TL)	0.05	13	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 256 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 9-14, 10-13, 8-14

REACTIONS (lb/size) 2=159/5-8-0, 13=1842/0-8-0, 12=127/0-4-0, 18=1338/5-8-0, 19=24/5-8-0
Max Horz 2=377(load case 4)
Max Uplift2=-217(load case 3), 13=-301(load case 6), 12=-111(load case 6), 18=-287(load case 4), 19=-2(load case 3)
Max Grav 2=162(load case 9), 13=1842(load case 1), 12=189(load case 10), 18=1338(load case 1), 19=57(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/27, 2-3=-310/380, 3-4=-297/442, 4-25=-1081/239, 5-25=-1020/243, 5-6=-1174/271, 6-7=-1082/197, 7-8=-937/227, 8-9=-400/229, 9-10=-601/204, 10-26=-45/496, 11-26=-67/370, 11-12=-114/335
BOT CHORD 2-19=-372/159, 18-19=-372/159, 17-18=-372/159, 16-17=-307/997, 15-16=-342/1020, 14-15=-317/831, 13-14=-429/198, 12-13=-234/82
WEBS 4-18=-1221/326, 4-17=-266/1420, 5-17=-431/113, 5-16=-80/191, 6-16=-194/176, 6-15=-186/239, 8-15=-140/759, 9-14=-199/172, 10-14=-188/909, 10-13=-1314/205, 11-13=-289/234, 8-14=-752/308

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) All plates are 2x4 MII20 unless otherwise indicated.
7) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
8) Gable studs spaced at 2-0-0 oc.
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 217 lb uplift at joint 2, 301 lb uplift at joint 13, 111 lb uplift at joint 12, 287 lb uplift at joint 18 and 2 lb uplift at joint 19.

LOAD CASE(S) Standard

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August 30,2006

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MiTek®

Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE	T2343463
TROWCH	BET	GABLE	2	1	Job Reference (optional)	

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:32 2006 Page 1

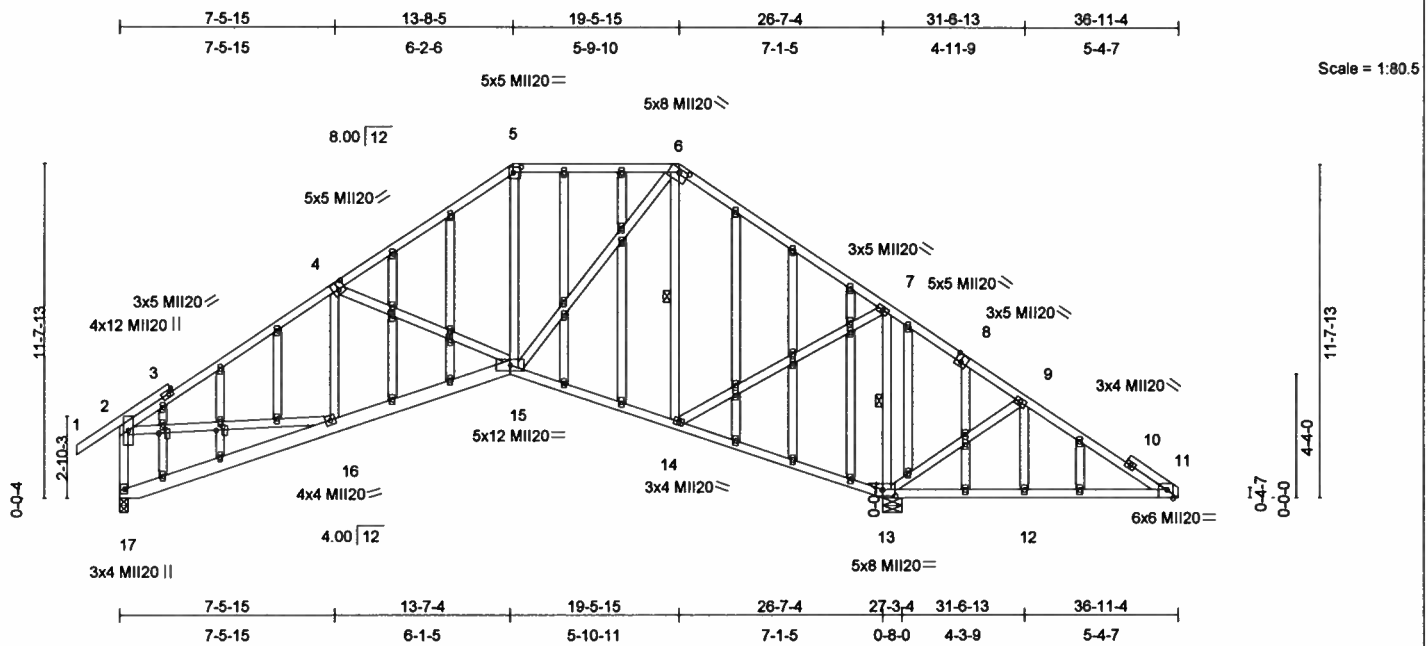

Plate Offsets (X,Y): [4:0-2-8,0-3-0], [5:0-3-4,0-2-4], [6:0-4-0,0-1-9], [8:0-2-4,0-3-4], [11:0-2-9,Edge], [13:0-5-4,0-2-8], [24:0-1-12,0-1-0], [27:0-1-12,0-1-0], [32:0-1-13,0-2-12], [35:0-1-13,0-2-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.76	Vert(LL)	-0.05	13-14	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.13	13-14	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.47	Horz(TL)	0.07	13	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 343 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except* 15-17 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 *Except* 2-17 2 X 4 SYP No.2
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-7 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-14, 7-13

REACTIONS (lb/size) 17=999/0-3-8, 13=2043/0-8-0
Max Horz 17=-424(load case 3)
Max Uplift17=-301(load case 5), 13=-745(load case 6)
Max Grav 17=1041(load case 9), 13=2043(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/48, 2-3=-1343/262, 3-4=-1235/303, 4-5=-1051/314, 5-6=-785/310, 6-7=-500/176, 7-8=-373/813, 8-9=-397/669, 9-10=-217/451, 10-11=-233/337, 2-17=-1014/381
BOT CHORD 16-17=-475/488, 15-16=-514/1095, 14-15=-164/449, 13-14=-691/585, 12-13=-300/250, 11-12=-300/250
WEBS 4-16=-138/97, 4-15=-297/260, 6-15=-331/644, 6-14=-695/248, 7-14=-228/1078, 7-13=-1506/387, 9-13=-360/341, 9-12=-115/195, 2-16=-35/830, 5-15=-14/243

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) All plates are 2x4 MII20 unless otherwise indicated.
7) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
8) Gable studs spaced at 2-0-0 oc.
9) 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.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 301 lb uplift at joint 17 and 745 lb uplift at joint 13.

LOAD CASE(S) Standard

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MiTek®

Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE
TROWCH	C	ROOF TRUSS	7	1	T2343464
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:33 2006 Page 1

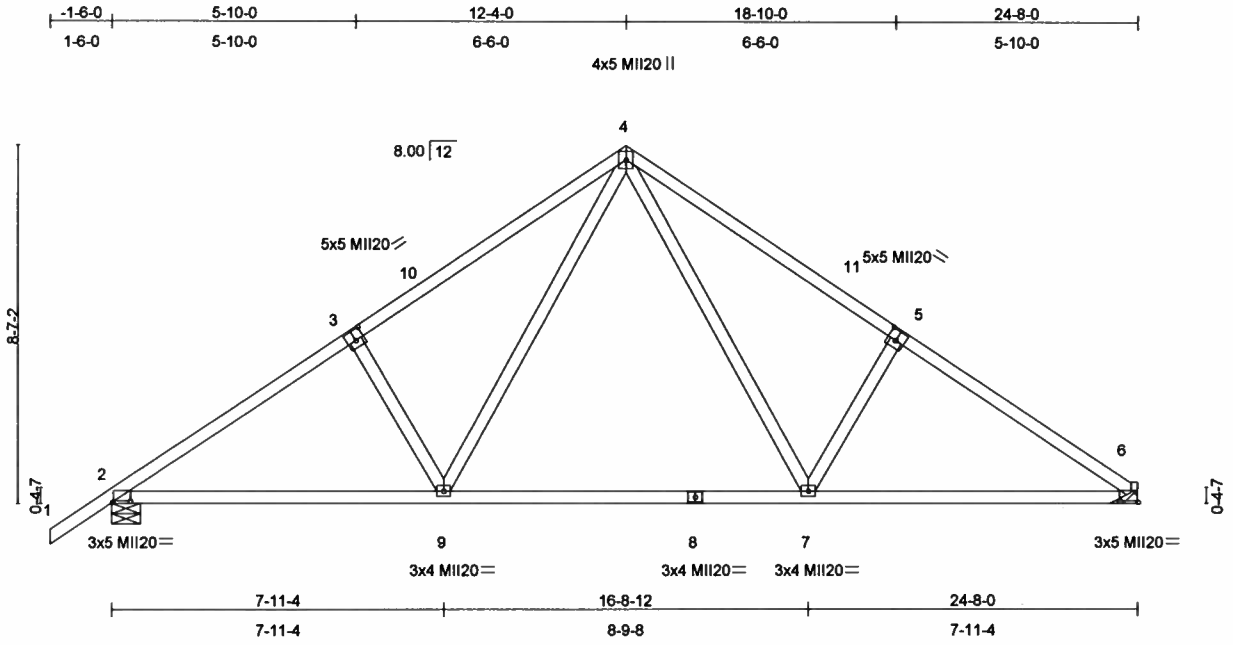

Plate Offsets (X,Y): [2:0-5-3,0-0-6], [3:0-2-8,0-3-0], [5:0-2-8,0-3-0], [6:0-5-3,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC	0.27	Vert(LL)	-0.09	7-9	>999	240	MII20	249/190
TCDL 10.0		Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.24	7-9	>999	180		
BCLL 10.0	*	Rep Stress Incr	YES	WB	0.27	Horz(TL)	0.04	6	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002		(Matrix)							Weight: 123 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-3-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 6=956/Mechanical, 2=1074/0-8-0
Max Horz 2=309(load case 4)
Max Uplift6=-221(load case 6), 2=-328(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-1384/295, 3-10=-1220/321, 4-10=-1114/354, 4-11=-1127/377, 5-11=-1234/344, 5-6=-1379/316
BOT CHORD 2-9=-206/1058, 8-9=-38/710, 7-8=-38/710, 6-7=-160/1075
WEBS 3-9=-293/245, 4-9=-144/486, 4-7=-171/509, 5-7=-304/259

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 221 lb uplift at joint 6 and 328 lb uplift at joint 2.

LOAD CASE(S) Standard

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August 30,2006

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MiTek®

Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE	T2343465
TROWCH	CET	GABLE	1	1	Job Reference (optional)	

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:34 2006 Page 1

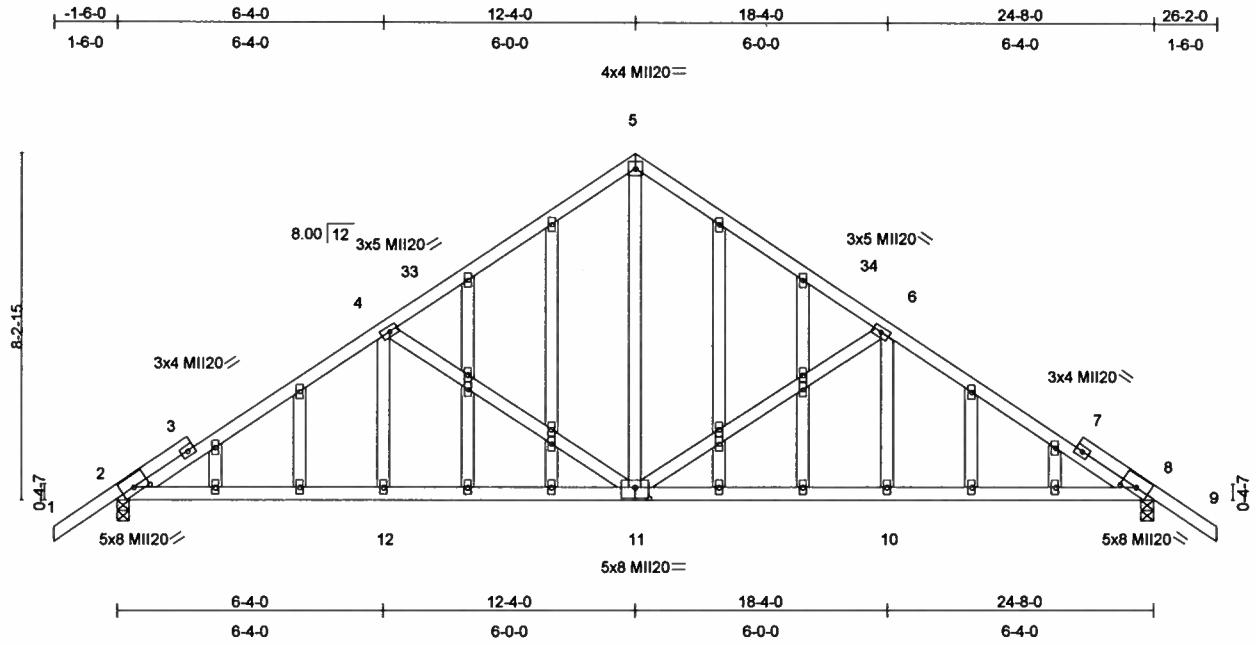

Plate Offsets (X,Y): [2:0-4-5,0-1-12], [8:0-4-5,0-1-12], [11:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.06	2-12	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.16	2-12	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 177 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=1074/0-3-8, 8=1074/0-3-8
Max Horz 2=280(load case 4)
Max Uplift2=-321(load case 5), 8=-321(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-1514/271, 3-4=-1452/308, 4-33=-1026/242, 5-33=-919/272, 5-34=-919/272, 6-34=-1026/242, 6-7=-1452/308, 7-8=-1514/272, 8-9=0/49
BOT CHORD 2-12=-196/1209, 11-12=-196/1209, 10-11=-133/1209, 8-10=-133/1209
WEBS 4-12=0/272, 5-11=-156/684, 6-10=0/272, 4-11=-534/240, 6-11=-534/241

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MII20 unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Gable studs spaced at 2-0-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 321 lb uplift at joint 2 and 321 lb uplift at joint 8.

LOAD CASE(S) Standard

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MiTek®

Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE	T2343466
TROWCH	D	ROOF TRUSS	2	1	Job Reference (optional)	

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:35 2006 Page 1

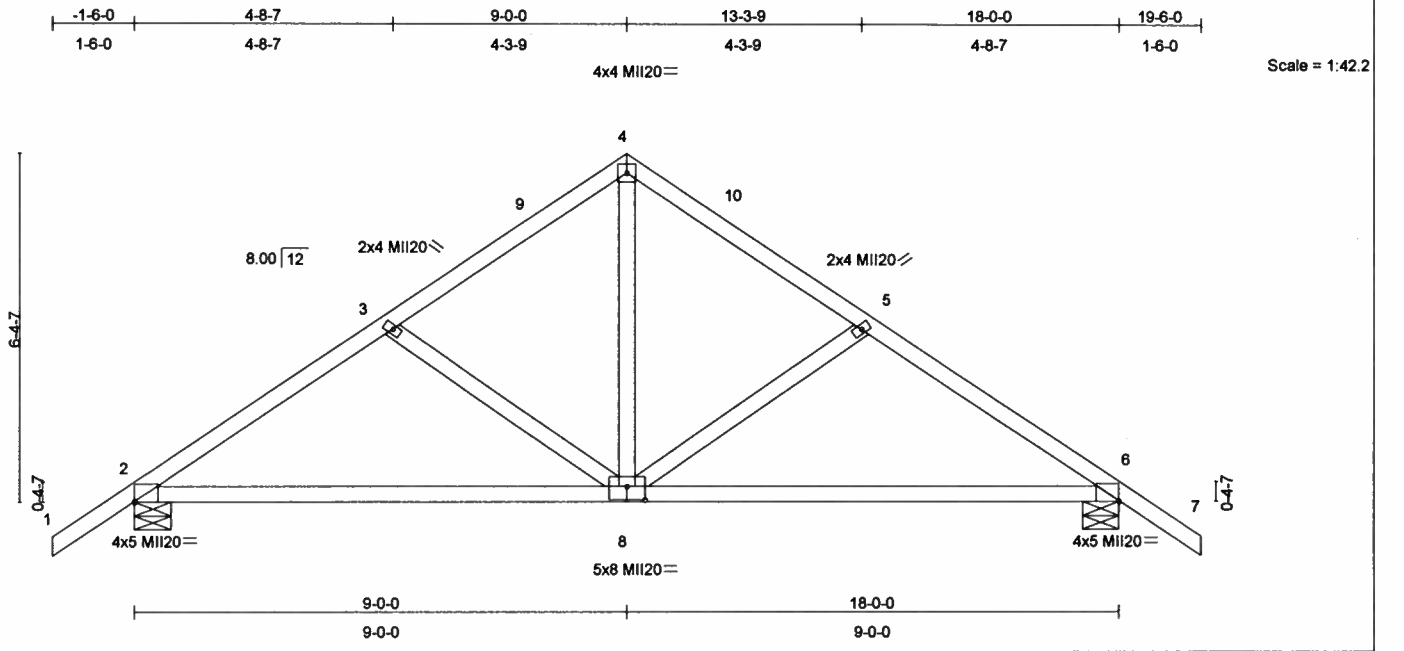

Plate Offsets (X,Y): [2:0-0-0,0-0-4], [6:0-0-0,0-0-4], [8:0-4-0,0-3-0]

LOADING (psf)		SPACING 2-0-0	CSI	DEFL in (loc) l/defl L/d	PLATES GRIP
TCLL 20.0		Plates Increase 1.25	TC 0.19	Vert(LL) -0.09 6-8 >999 240	MII20 249/190
TCDL 10.0		Lumber Increase 1.25	BC 0.43	Vert(TL) -0.22 6-8 >941 180	
BCLL 10.0	*	Rep Stress Incr YES	WB 0.16	Horz(TL) 0.02 6 n/a n/a	
BCDL 10.0		Code FBC2004/TPI2002	(Matrix)		Weight: 89 lb

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
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=803/0-8-0, 6=803/0-8-0
Max Horz 2=215(load case 4)
Max Uplift2=-279(load case 5), 6=-279(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-3=-920/230, 3-9=-699/182, 4-9=-566/196, 4-10=-566/196, 5-10=-699/182, 5-6=-920/230, 6-7=0/51
BOT CHORD 2-8=-142/691, 6-8=-83/691
WEBS 3-8=-227/192, 4-8=-84/490, 5-8=-227/192

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 279 lb uplift at joint 2 and 279 lb uplift at joint 6.

LOAD CASE(S) Standard

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August 30,2006

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MiTek®

Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE
TROWCH	DET	GABLE	1	1	T2343467
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:37 2006 Page 1

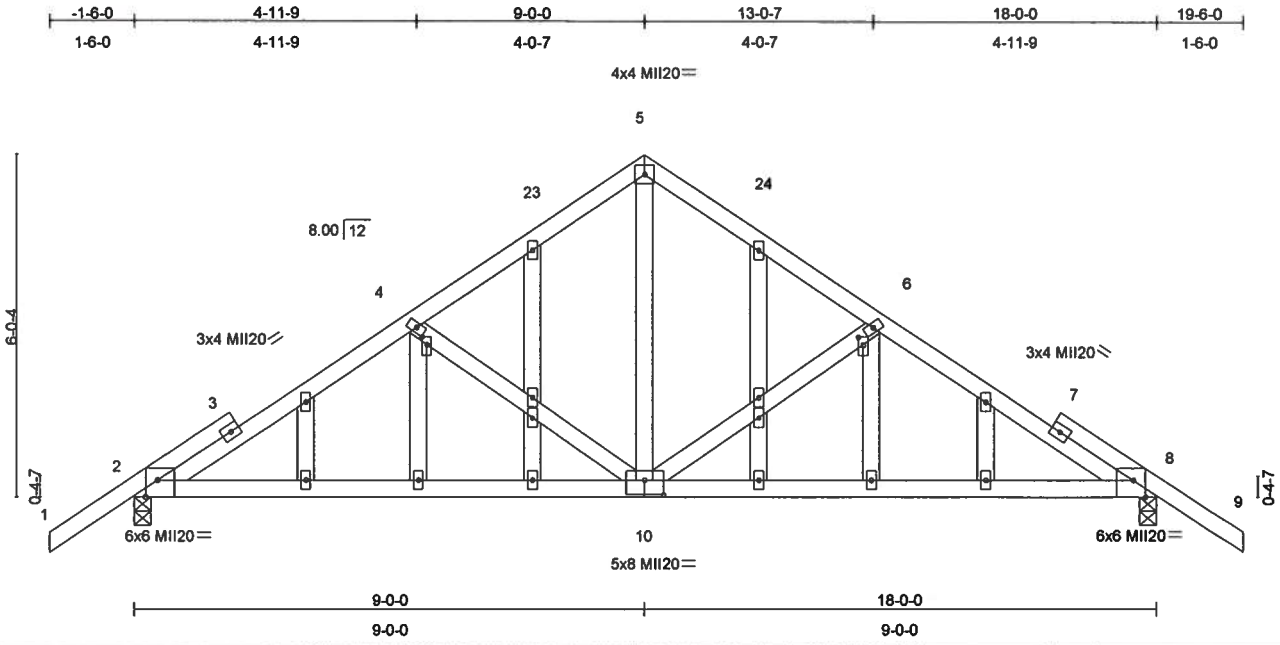

Plate Offsets (X,Y): [2:0-2-9,Edge], [4:0-1-11,0-1-0], [6:0-1-11,0-1-0], [8:0-2-9,Edge], [10:0-4-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.09	8-10	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.24	2-10	>891	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.02	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 116 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
OTHERS 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=807/0-3-8, 8=807/0-3-8
Max Horz 2=-203(load case 3)
Max Uplift2=-274(load case 5), 8=-274(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-1014/228, 3-4=-978/254, 4-23=-770/190, 5-23=-683/207, 5-24=-683/207, 6-24=-770/190, 6-7=-978/255, 7-8=-1013/228, 8-9=0/49
BOT CHORD 2-10=-173/825, 8-10=-113/825
WEBS 4-10=-309/209, 5-10=-112/572, 6-10=-309/210

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MII20 unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Gable studs spaced at 2-0-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 274 lb uplift at joint 2 and 274 lb uplift at joint 8.

LOAD CASE(S) Standard

Guo-Jie Zhang, FL Lic #47744
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FL Cert.#6634

August 30,2006

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Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE
TROWCH	E	ROOF TRUSS	16	1	T2343468
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:37 2006 Page 1

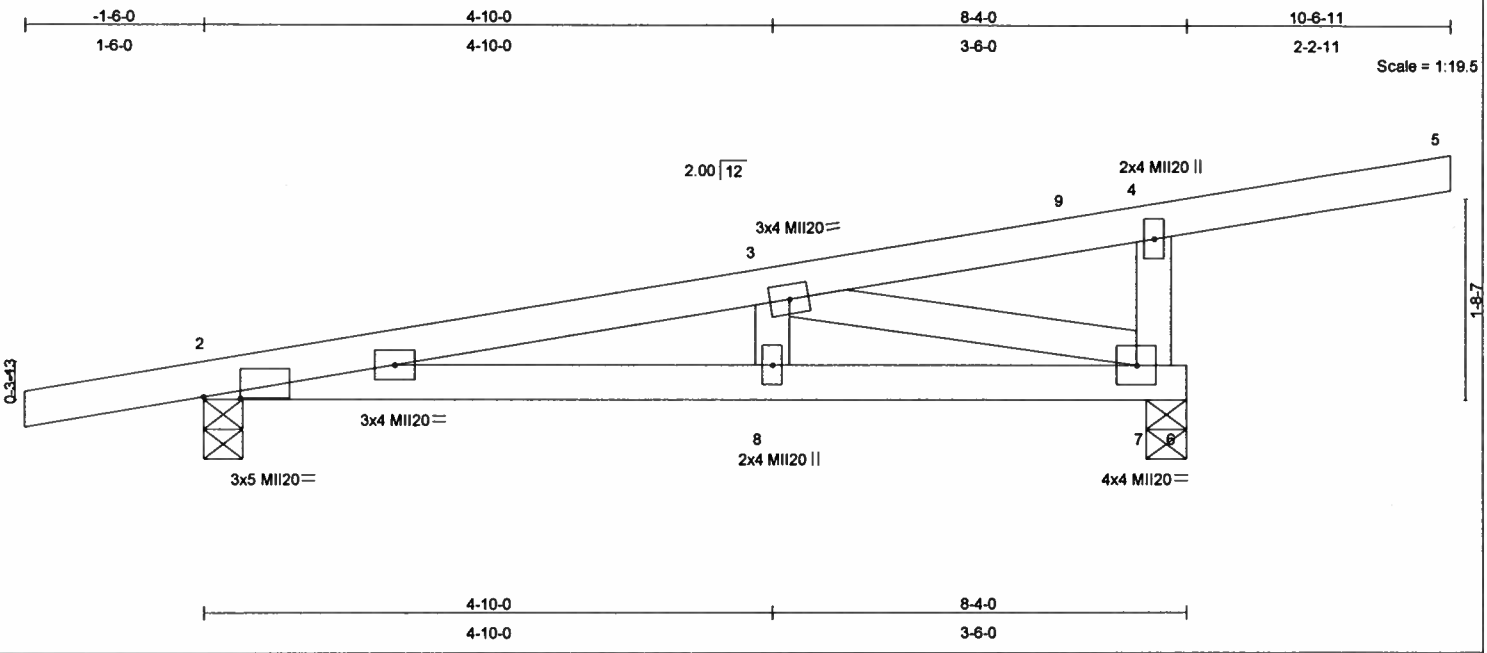

Plate Offsets (X,Y): [2:0-3-12,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC	0.30	Vert(LL)	-0.02	2-8	>999	240	MII20	249/190
TCDL 10.0		Lumber Increase	1.25	BC	0.23	Vert(TL)	-0.06	2-8	>999	180		
BCLL 10.0	*	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.01	7	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002		(Matrix)							Weight: 38 lb	

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

REACTIONS (lb/size) 7=484/0-4-0, 2=403/0-4-0
Max Horz 2=88(load case 4)
Max Uplift7=-182(load case 3), 2=-193(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/14, 2-3=-640/154, 3-9=-48/18, 4-9=-43/24, 4-5=-25/0, 4-7=-294/174
BOT CHORD 2-8=-168/604, 7-8=-168/604, 6-7=0/0
WEBS 3-8=0/186, 3-7=-623/190

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 182 lb uplift at joint 7 and 193 lb uplift at joint 2.

LOAD CASE(S) Standard

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August 30,2006

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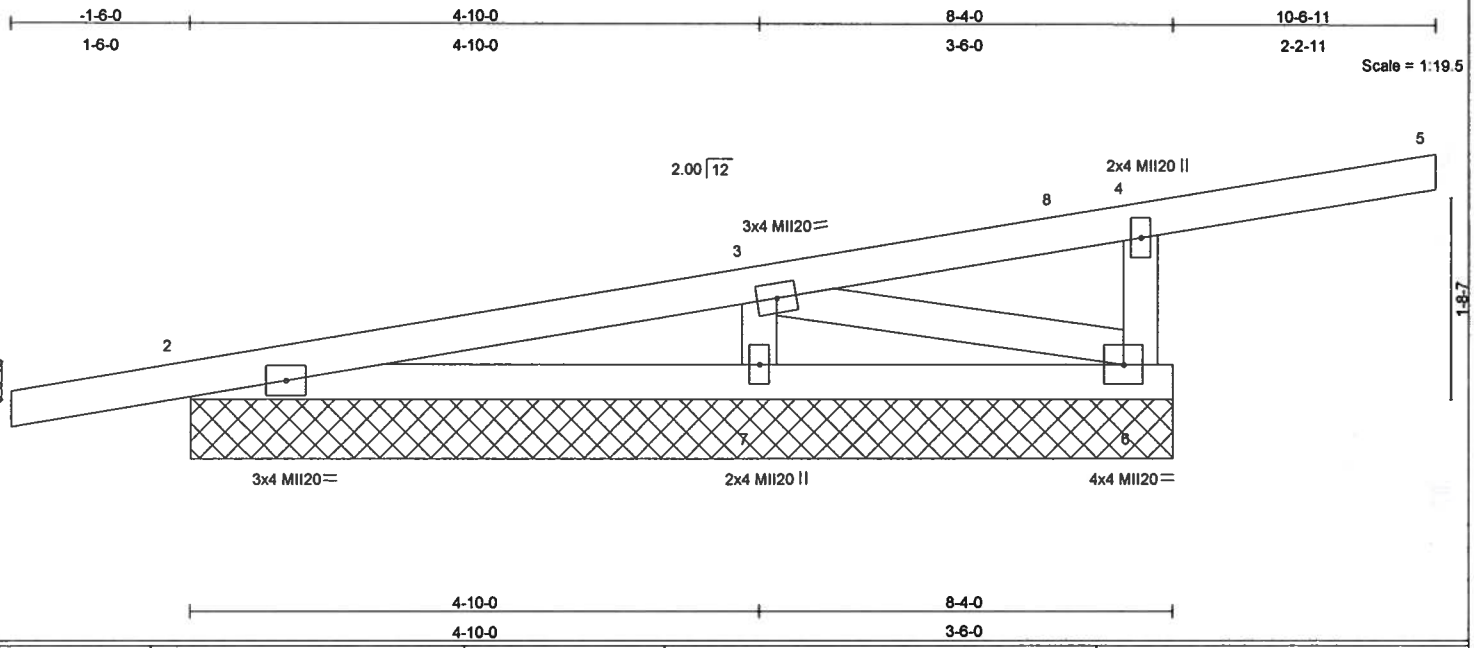
MiTek®

Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE
TROWCH	EET	ROOF TRUSS	2	1	T2343469
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:38 2006 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	0.00	4	n/r	120	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.15	Vert(TL)	-0.07	5	n/r	120		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.04	Horz(TL)	-0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 38 lb	

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

REACTIONS (lb/size) 6=300/8-4-0, 2=272/8-4-0, 7=313/8-4-0
Max Horz 2=88(load case 4)
Max Uplift6=-169(load case 6), 2=-149(load case 3), 7=-89(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/13, 2-3=-52/20, 3-8=-48/15, 4-8=-43/21, 4-5=-25/0, 4-6=-280/173
BOT CHORD 2-7=-25/5, 6-7=-25/5
WEBS 3-7=-209/141, 3-6=-5/24

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Gable requires continuous bottom chord bearing.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 169 lb uplift at joint 6, 149 lb uplift at joint 2 and 89 lb uplift at joint 7.

LOAD CASE(S) Standard

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August 30,2006

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Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE
TROWCH	F	ROOF TRUSS	1	1	T2343470
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:39 2006 Page 1

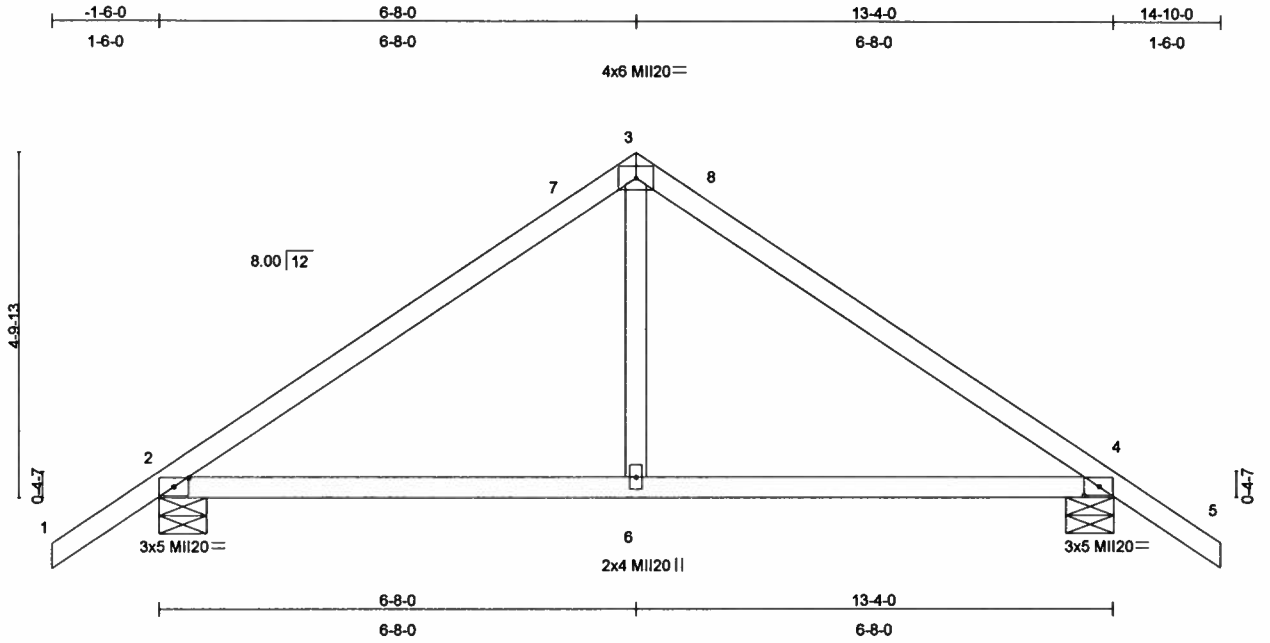

Plate Offsets (X,Y): [2:0-2-9,0-1-8], [4:0-2-9,0-1-8]

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)	0.04	2-6	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.26	Vert(TL)	-0.08	2-6	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.09	Horz(TL)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 56 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
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=617/0-8-0, 4=617/0-8-0
Max Horz 2=-161(load case 3)
Max Uplift2=-246(load case 5), 4=-246(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-7=-603/156, 3-7=-405/160, 3-8=-405/160, 4-8=-603/156, 4-5=0/51
BOT CHORD 2-6=-25/410, 4-6=-25/410
WEBS 3-6=0/295

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 246 lb uplift at joint 2 and 246 lb uplift at joint 4.

LOAD CASE(S) Standard

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August 30,2006

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Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE	T2343471
TROWCH	FET	GABLE	1	1	Job Reference (optional)	

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:40 2006 Page 1

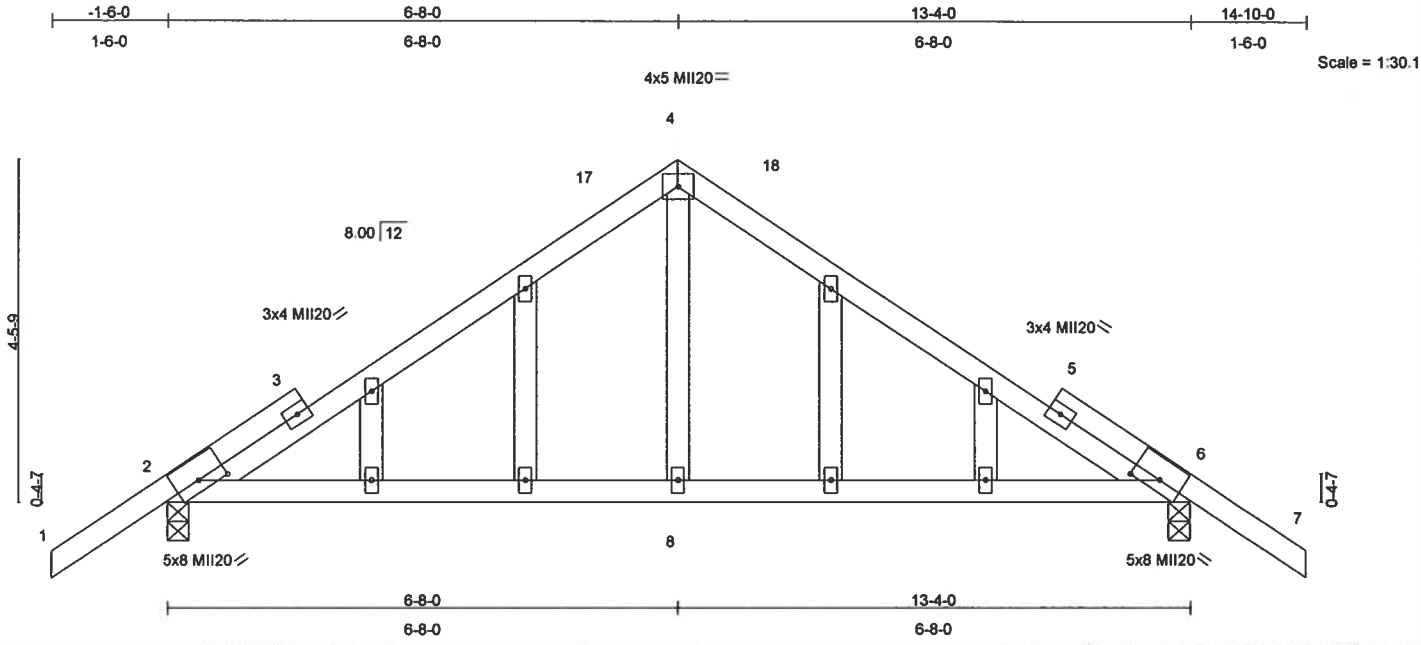

Plate Offsets (X,Y): [2:0-4-5,0-1-12], [6:0-4-5,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0		Plates Increase	1.25	TC	0.32	Vert(LL)	0.05	2-8	>999	240	MII20	249/190
TCDL 10.0		Lumber Increase	1.25	BC	0.29	Vert(TL)	-0.11	6-8	>999	180		
BCLL 10.0	*	Rep Stress Incr	YES	WB	0.10	Horz(TL)	0.01	6	n/a	n/a		
BCDL 10.0		Code FBC2004/TPI2002		(Matrix)							Weight: 71 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
OTHERS 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=620/0-3-8, 6=620/0-3-8
Max Horz 2=-149(load case 3)
Max Uplift2=-241(load case 5), 6=-241(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-663/141, 3-17=-587/172, 4-17=-481/176, 4-18=-481/176, 5-18=-587/172, 5-6=-663/141, 6-7=0/49
BOT CHORD 2-8=-49/488, 6-8=-49/488
WEBS 4-8=0/302

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All plates are 2x4 MII20 unless otherwise indicated.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Gable studs spaced at 2-0-0 oc.
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 241 lb uplift at joint 2 and 241 lb uplift at joint 6.

LOAD CASE(S) Standard

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August 30,2006

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Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE	T2343472
TROWCH	FGT	ROOF TRUSS	1	1	Job Reference (optional)	

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:41 2006 Page 1

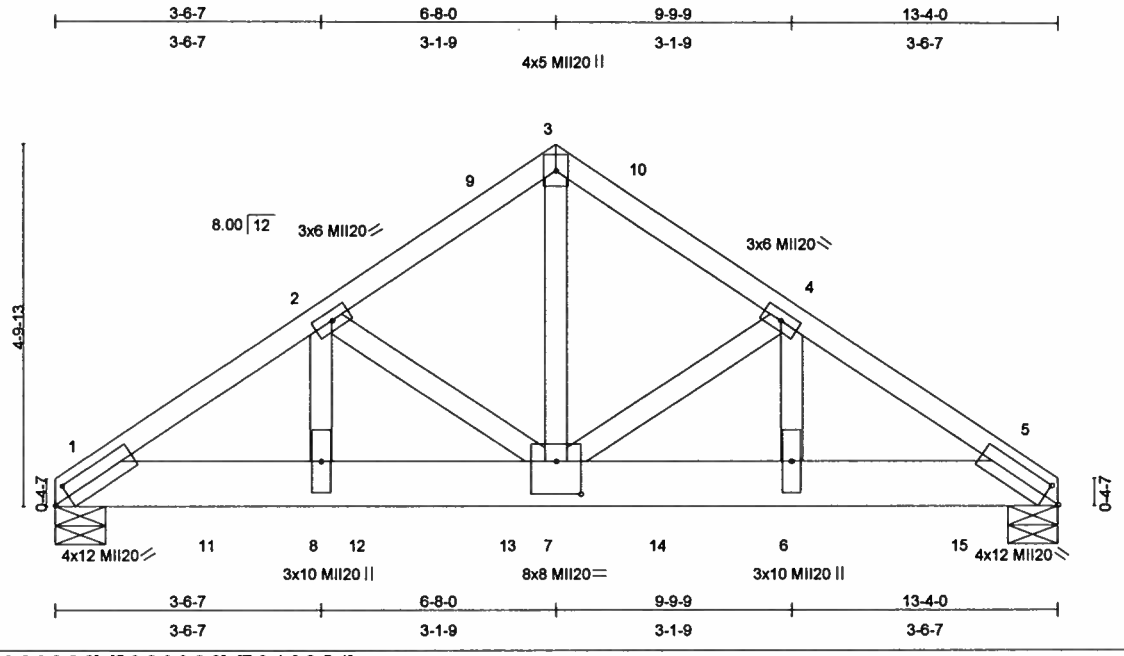

Plate Offsets (X,Y): [1:0-2-9,0-2-0], [5:0-2-9,0-2-0], [7:0-4-0,0-5-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.06	6-7	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.14	6-7	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.62	Horz(TL)	0.03	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 87 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 8 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3 *Except*
3-7 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-10-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=4094/0-8-0, 5=3470/0-8-0
Max Horz 1=-151(load case 3)
Max Uplift1=-1027(load case 5), 5=-873(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4481/1127, 2-9=-3268/861, 3-9=-3185/871, 3-10=-3185/871, 4-10=-3269/861, 4-5=-4531/1141
BOT CHORD 1-11=-916/3628, 8-11=-916/3628, 8-12=-916/3628, 12-13=-916/3628, 7-13=-916/3628, 7-14=-875/3670, 6-14=-875/3670, 6-15=-875/3670, 5-15=-875/3670
WEBS 2-8=-278/1271, 2-7=-1160/369, 3-7=-841/3349, 4-7=-1211/383, 4-6=-296/1329

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1027 lb uplift at joint 1 and 873 lb uplift at joint 5.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 936 lb down and 231 lb up at 0-4-0, 936 lb down and 231 lb up at 2-0-12, 936 lb down and 231 lb up at 4-0-12, 936 lb down and 231 lb up at 6-0-12, 936 lb down and 231 lb up at 8-0-12, and 936 lb down and 231 lb up at 10-0-12, and 936 lb down and 231 lb up at 12-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-60, 3-5=-60, 1-5=-20
Concentrated Loads (lb)
Vert: 1=-936(F) 6=-936(F) 11=-936(F) 12=-936(F) 13=-936(F) 14=-936(F) 15=-936(F)

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August 30,2006

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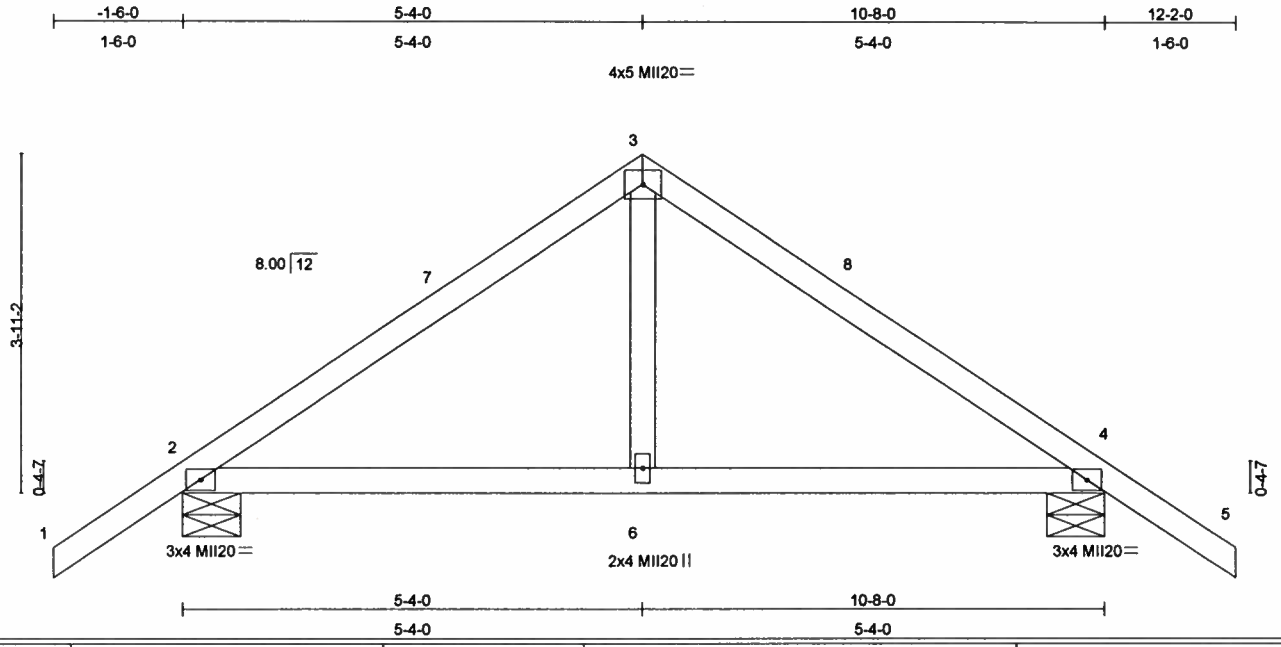
MiTek®

Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE	T2343473
TROWCH	G	ROOF TRUSS	1	1	Job Reference (optional)	

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:42 2006 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.01	4-6	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.16	Vert(TL)	-0.03	4-6	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.07	Horz(TL)	0.01	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 46 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
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=510/0-8-0, 4=510/0-8-0
Max Horz 2=130(load case 4)
Max Uplift2=-230(load case 5), 4=-230(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/51, 2-7=-455/108, 3-7=-297/123, 3-8=-297/123, 4-8=-455/108, 4-5=0/51
BOT CHORD 2-6=-5/302, 4-6=-5/302
WEBS 3-6=0/227

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 230 lb uplift at joint 2 and 230 lb uplift at joint 4.

LOAD CASE(S) Standard

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August 30,2006

Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE	T2343474
TROWCH	GET	GABLE	1	1	Job Reference (optional)	

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:43 2006 Page 1

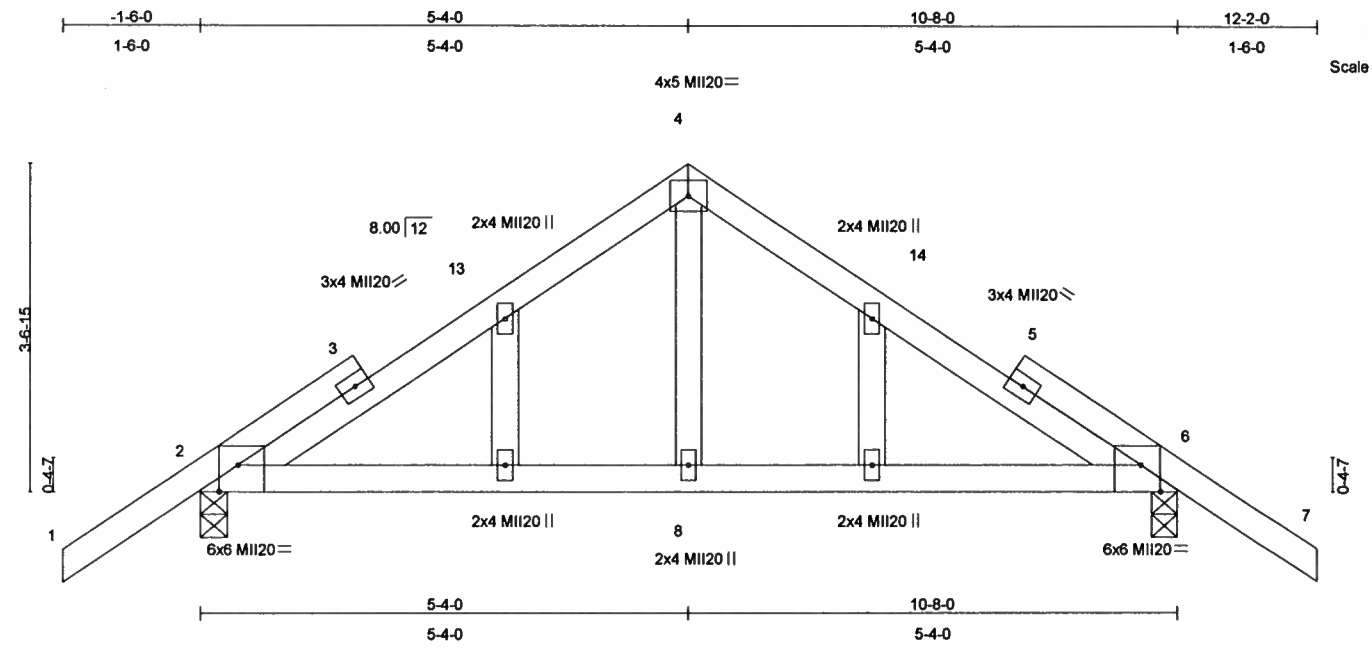

Plate Offsets (X,Y): [2:0-2-9,Edge], [6:0-2-9,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.19	Vert(LL)	0.02	2-8	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	-0.04	6-8	>999	180		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.08	Horz(TL)	0.01	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 55 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
OTHERS 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=514/0-3-8, 6=514/0-3-8
Max Horz 2=-118(load case 3)
Max Uplift2=-223(load case 5), 6=-223(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-516/119, 3-13=-455/127, 4-13=-425/141, 4-14=-425/141, 5-14=-455/126, 5-6=-516/119, 6-7=0/49
BOT CHORD 2-8=-31/379, 6-8=-31/379
WEBS 4-8=0/234

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
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) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 223 lb uplift at joint 2 and 223 lb uplift at joint 6.

LOAD CASE(S) Standard

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August 30,2006

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MiTek®

Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE	T2343475
TROWCH	GGT	ROOF TRUSS	1	1	Job Reference (optional)	

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:45 2006 Page 1

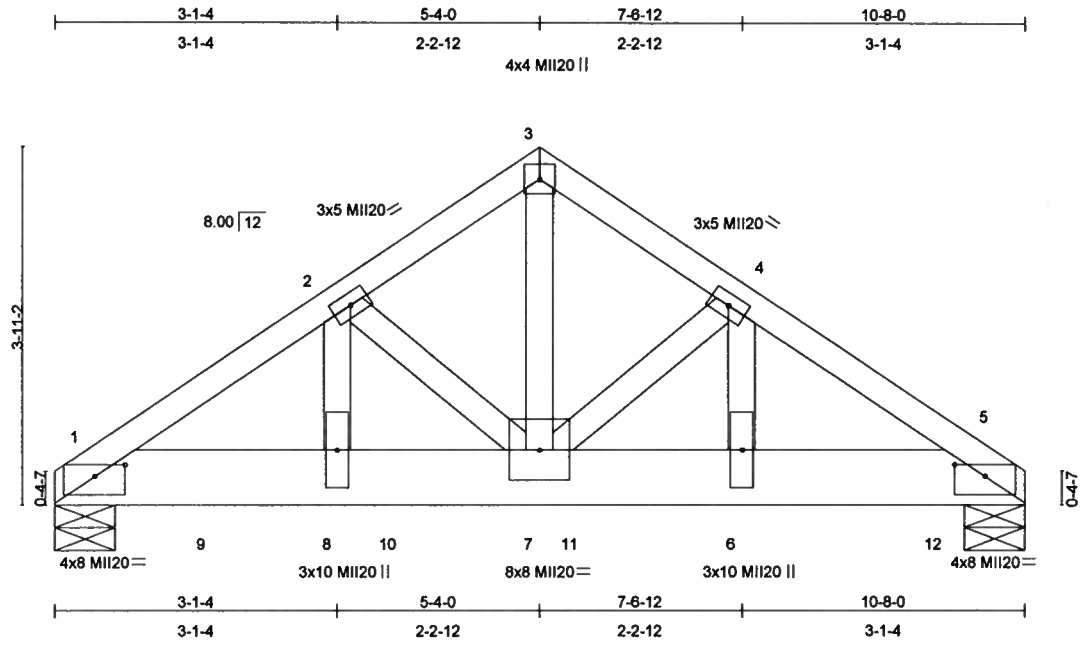

Plate Offsets (X,Y): [1:0-4-0,0-1-9], [5:0-4-0,0-1-9]

LOADING (psf)		SPACING	1-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.18	Vert(LL)	-0.03	7	>999	240	MII20	249/190
TCDL	10.0	Lumber Increase	1.25	BC	0.32	Vert(TL)	-0.08	7	>999	180		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.79	Horz(TL)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 69 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
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 3-7-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=2370/0-8-0, 5=2709/0-8-0
Max Horz 1=60(load case 4)
Max Uplift1=-598(load case 5), 5=-681(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-3091/780, 2-3=-2343/613, 3-4=-2343/613, 4-5=-3089/780
BOT CHORD 1-9=-623/2503, 8-9=-623/2503, 8-10=-623/2503, 7-10=-623/2503, 7-11=-612/2501, 6-11=-612/2501, 6-12=-612/2501, 5-12=-612/2501
WEBS 2-8=-219/935, 2-7=-737/213, 3-7=-622/2451, 4-7=-736/213, 4-6=-220/932

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 598 lb uplift at joint 1 and 681 lb uplift at joint 5.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 936 lb down and 231 lb up at 1-8-12, 936 lb down and 231 lb up at 3-8-12, 936 lb down and 231 lb up at 5-8-12, and 936 lb down and 231 lb up at 7-8-12, and 936 lb down and 231 lb up at 9-8-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-3=-30, 3-5=-30, 1-5=-10
Concentrated Loads (lb)
Vert: 6=-936(F) 9=-936(F) 10=-936(F) 11=-936(F) 12=-936(F)

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FL Cert.#6634

August 30,2006

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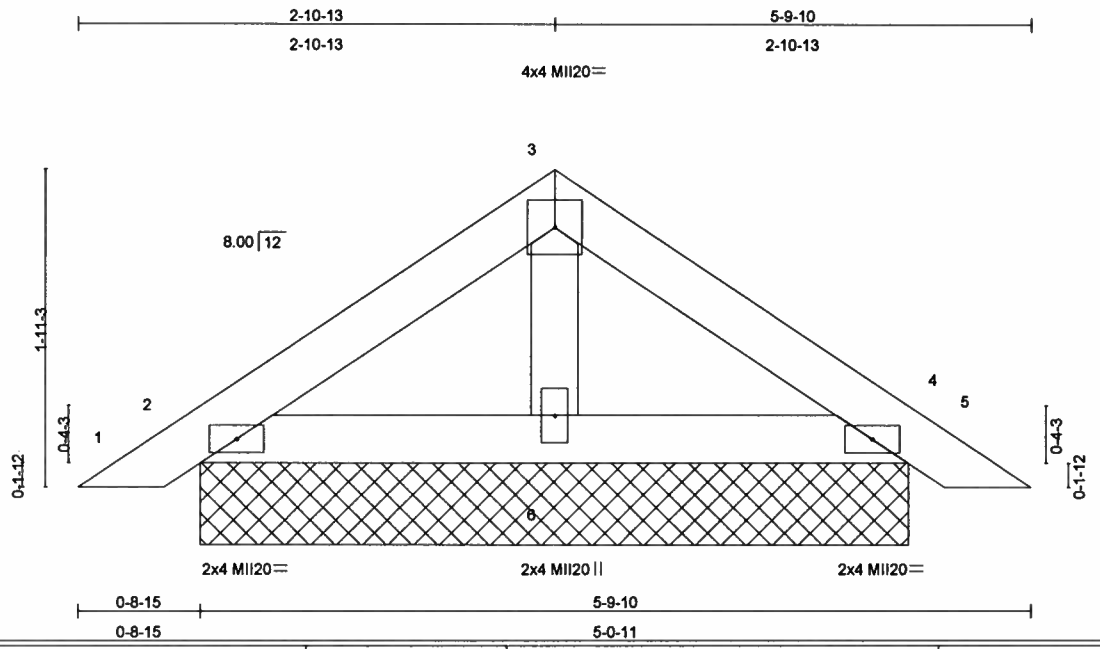
Tampa, FL 33619

MiTek®

Job	Truss	Truss Type	Qty	Ply	TROWBRIDGE RESIDENCE
TROWCH	P1	ROOF TRUSS	19	1	T2343476
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS FL. 6.300 s Jul 11 2006 MiTek Industries, Inc. Wed Aug 30 12:58:45 2006 Page 1



LOADING (psf)			SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0		Plates Increase	1.25	TC	0.05	Vert(LL)	0.00	5	n/r	120	MII20	249/190
TCDL	10.0		Lumber Increase	1.25	BC	0.04	Vert(TL)	0.00	5	n/r	120		
BCLL	10.0	*	Rep Stress Incr	YES	WB	0.02	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0		Code FBC2004/TPI2002		(Matrix)							Weight: 18 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=126/4-3-12, 4=126/4-3-12, 6=151/4-3-12
Max Horz 2=-52(load case 3)
Max Uplift2=-77(load case 5), 4=-79(load case 6), 6=-12(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/15, 2-3=-61/37, 3-4=-61/38, 4-5=0/15
BOT CHORD 2-6=-8/29, 4-6=-8/29
WEBS 3-6=-97/39

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=18ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS automatic zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33.
3) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Gable requires continuous bottom chord bearing.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 77 lb uplift at joint 2, 79 lb uplift at joint 4 and 12 lb uplift at joint 6.
7) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 4.
SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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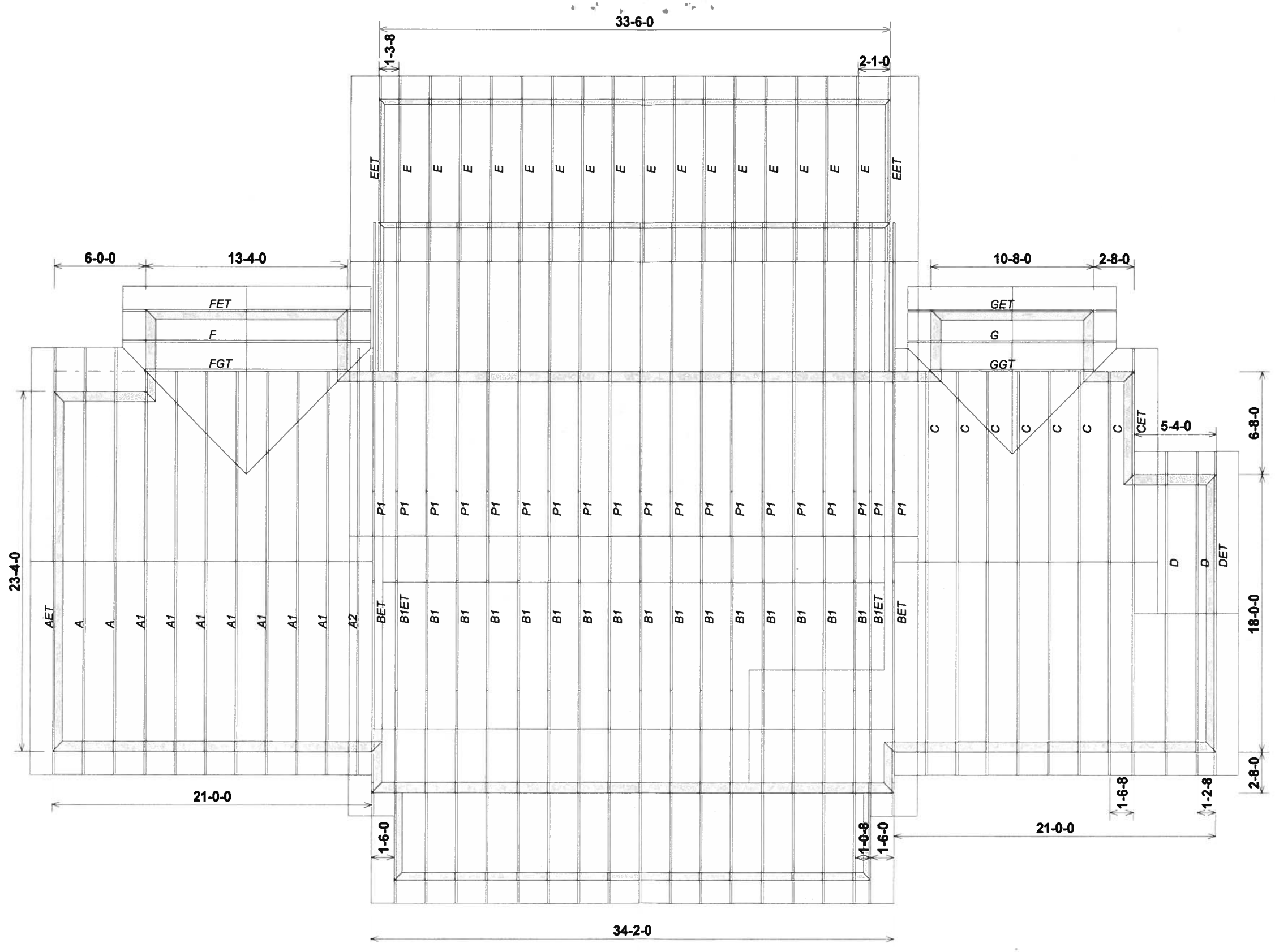
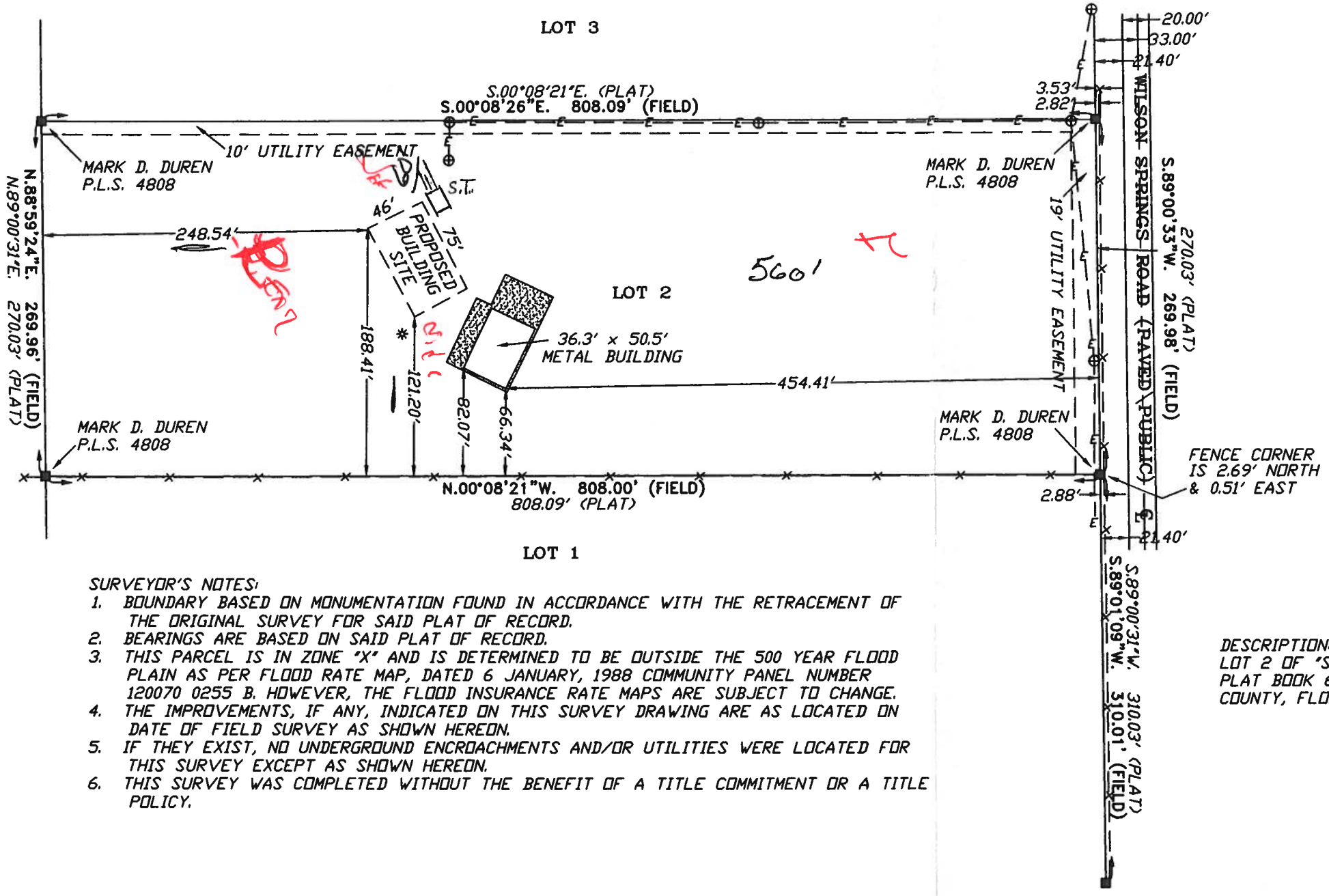


Santa Fe Truss	CUSTOMER	CHARLES TROWBRIDGE	Job Name:
410 SW POE SPRINGS RD.	DATE	8/30/06	
HIGH SPRINGS, FL 32655	MODEL	RESIDENCE	
FX#(386)454-1055 PH#(386)454-7711	DESIGNER	J.A.P.	TROWCH

BOUNDARY SURVEY IN SECTION 6, TOWNSHIP 7 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA.



SYMBOL LEGEND:

- ■ 4"X4" CONCRETE MONUMENT FOUND
- □ 4"X4" CONCRETE MONUMENT SET
- ● IRON PIPE FOUND
- ○ IRON PIN AND CAP SET
- ⊕ POWER POLE
- ▲ WATER METER
- ℄ CENTERLINE
- ✱ WELL
- SATELLITE DISH
- TELEPHONE BOX
- ---E--- ELECTRIC LINES
- ---X--- WIRE FENCE
- ---o--- CHAIN LINK FENCE
- ---s--- WOODEN FENCE

N

SCALE: 1" = 100'

SURVEYOR'S NOTES:

1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF THE ORIGINAL SURVEY FOR SAID PLAT OF RECORD.
2. BEARINGS ARE BASED ON SAID PLAT OF RECORD.
3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0255 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.

DESCRIPTION:
LOT 2 OF "SANTA FE WOODS" AS PER PLAT THEREOF RECORDED IN PLAT BOOK 6, PAGE 124 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

CERTIFIED TO:

CHARLES TROWBRIDGE

FIELD BOOK: 268 PAGE(S): 68

SURVEYOR'S CERTIFICATION:

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

07/03/06 FIELD SURVEY DATE

07/06/06 DRAWING DATE

L. SCOTT BRITT, P.S.M. CERTIFICATION # 5757

NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.

BRITT SURVEYING
LAND SURVEYORS AND MAPPERS
830 WEST DUVAL STREET LAKE CITY, FLORIDA 32055
(386)752-7163 FAX (386)752-5573

WORK ORDER # L-17524