

DATE 03/24/2011

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000029271

APPLICANT SCOTT ROSENBOOM PHONE 352-538-3877
ADDRESS 19802 NW 190TH AVE HIGH SPRINGS FL 23643
OWNER MILTON E THOMPSON PHONE 305-972-4500
ADDRESS 2535 SW CR 778 FT. WHITE FL 32038
CONTRACTOR SCOTT ROSENBOOM PHONE 352 538-3877

LOCATION OF PROPERTY 441S, TR ON CR778, 3 MILES ON RIGHT, ROAD MEMORIALS
ACROSS FROM PORPERTY

TYPE DEVELOPMENT ADDITION TO SFD ESTIMATED COST OF CONSTRUCTION 65000.00

HEATED FLOOR AREA 1300.00 TOTAL AREA 1300.00 HEIGHT 17.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING AG-3 MAX. HEIGHT 35

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

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 07-7S-17-09940-001 SUBDIVISION

LOT BLOCK PHASE UNIT 0 TOTAL ACRES 40.38

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING 11-0115-M BK TC N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: EXISTING SFD

Check # or Cash 11989

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 Insulation 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 Pool date/app. by

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

Pump pole date/app. by Utility Pole date/app. by M/H tie downs, blocking, electricity and plumbing date/app. by

Reconnection date/app. by RV date/app. by Re-roof date/app. by

BUILDING PERMIT FEE \$ 325.00 CERTIFICATION FEE \$ 6.50 SURCHARGE FEE \$ 6.50

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 413.00

INSPECTORS OFFICE CLERKS OFFICE

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

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

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

Schafer Engineering, LLC

14705 Main St. Alachua FL 32615



E

Prepared for:

ROSENBOOM CONSTRUCTION  
THE THOMPSON ADDITION  
ALACHUA COUNTY, FLORIDA

By:

Schafer Engineering, LLC

386-462-1340 / 352-375-6329

*NO COPIES ARE TO BE PERMITTED*

# SCHAFFER ENGINEERING, LLC

February 23, 2011

SUMMARY: Wind Load Analysis for Rosenboom Construction \ Thompson Addition  
Wind Speed: 110 M.P.H. \ No Copies Permitted \ FBC-2007 \ Not Valid without raised seal

## Foundation:

20" wide x 10" deep stemwall footing with (2) #5 rebar continuous minimum. CMU walls must have #5 dowels at 48" o.c. maximum with a standard 90 degree ACI hook in footing and a 4" slab on grade. Monolithic slab to be 12" wide x 20" deep minimum with (2) #5 rebar continuous with 12" minimum coverage on face of foundation. It is assumed that ideal soil conditions and pad preparation are provided.

## Walls:

8" CMU block with vertical #5 reinforcing bar in grout filled cell at 48" o.c. maximum spacing. Wall heights are 8' maximum. Provide an 8" x 8" bond beam with 1-#5 rebar horizontal continuous at the top course. Install pre-cast, pre-engineered lintels spanning over all openings. One #5 rebar each corner. One #5 rebar each side of door and window openings. Two #5 rebar in openings wider than 12'-0". One #5 rebar where girders or girder trusses bear on masonry wall.

## Shearwalls:

Transverse: 30'-0" Longitudinal: 49'-0"

Allowable plf shear on shearwalls: 314 \ Shear from diaphragm: Trs: 175 plf Long: 66 plf

## Trusses:

Pre-engineered Pre-fabricate trusses with the bracing system designed by the manufacturer. Trusses must be installed and anchored according to the truss engineering requirements.

## Roof Sheathing:

7/16" osb minimum attached to the top chords of the trusses with 8d/113 gauge ring shank nails spaced at 4" o.c. edges and 6" interior.



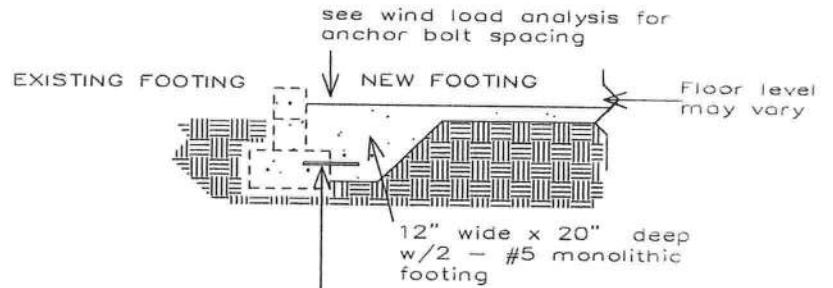
2-24-11

Bruce Schaffer P. E. #48984

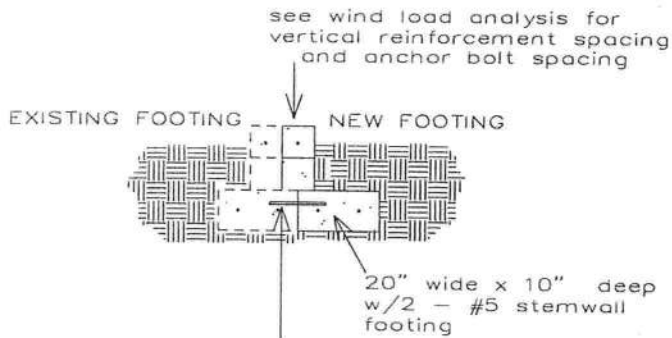
7104 N. W. 42<sup>nd</sup> Lane \ Gainesville, Florida 32606

# SCHAFFER ENGINEERING, LLC

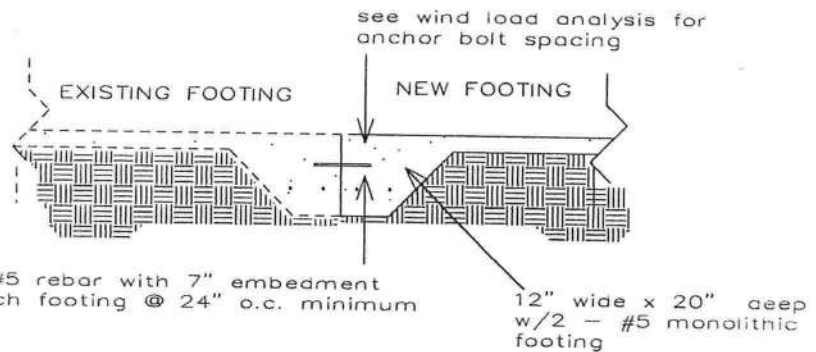
7104 NW 42ND LANE \ GAINESVILLE FL. 32606  
PHONE: 386-462-1340 \ 352-375-6329



Install #5 rebar with 7" embedment into each footing @ 24" o.c. minimum



Install #5 rebar with 7" embedment into each footing @ 24" o.c. minimum



Install #5 rebar with 7" embedment into each footing @ 24" o.c. minimum

*B. Schaffer*  
2-24-11

FOOTING ATTACHMENT DETAIL

Bruce Schaffer, P. E. #48984  
7104 NW 42ND LN  
GAINESVILLE, FL. 32606

# SCHAFER ENGINEERING, LLC

7104 NW 42ND LANE \ GAINESVILLE FL. 32606  
 PHONE: 386-462-1340 \ 352-375-6329

HEADER STRAPPING				
Uplift Lbs	Top Connector	Rating Lbs	Bottom Connector	Rating Lbs
to 455	LSTA19	635	H3	320
to 910	LSTA12	795	2-H3	640
to 1265	LSTA18	1110	LTT19	1305
to 1750	2-LSTA12	1810	LTT20	1750
to 2530	2-LSTA18	2530	HD2A-2.5	2165
to 2865	3-LSTA18	3255	HD2A-3.5	2865
to 3700	3-LSTA24	3880	HD5A-3	3130

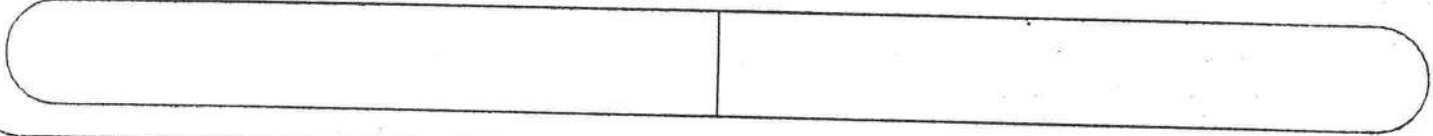
Total the uplift for each truss sitting on the header and divide by 2 to determine the uplift on the header. Use proper bolt anchors sufficient to support required uplift loads.

TRUSSES \ GIRDERS			
Uplift Lbs	Top Connector	Bottom Connector	Rating Lbs
to 535	H2.5A	NA	
to 1015	H10A	NA	
to 1215	TS22	LTT19	1305
to 1750	2-TS22	LTT20	1750
to 2570	2-TS22	HD2A	2775
to 3665	3-TS22	HD5A	4010
to 5420	2-MST37	HTT22	5250
to 9660	2-MST60	HD10A	9540

Two 12a common toenails are required per truss for each bearing point into top plate. It is the contractors responsibility to provide a continuous load path from truss to foundation.

	TOP CONNECTOR	RATING LBS	BOTTOM CONNECTOR	RATING LBS
BEAM SEATS	LSTA18	1110	LTT19	1305
POSTS	2-LSTA18	2220	ABU44	2300

1. Simpson or equivalent hardware may be used. For nailing into spruce members, multiply table values by .86
2. See truss engineering for anchor uplift values.
3. This schedule is not meant to be a replacement to the specified values of any manufactures values.



ASCE 7-05

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	110	mph
Structural Category	II	
Exposure	B	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof (Theta)	26.6	Deg
Type of Roof	Hipped	
Eave Height (Eht)	11.00	ft
Ridge Height (RHt)	19.48	ft
Mean Roof Height (Ht)	15.48	ft
Width Perp. to Wind (B)	34.67	ft
Width Parallel to Wind (L)	43.67	ft
Damping Ratio (beta)	0.01	

Red values should be changed only through "Main Menu"

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	0.45
Flexible Structure	No

Calculated Parameters		
Importance Factor	1	
<i>Hurricane Prone Region (V&gt;100 mph)</i>		
<b>Table C6-4 Values</b>		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
l =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	Zmin	30.00	ft
lzm	$Cc * (33/z)^{0.167}$	0.3048	
Lzm	$l*(zm/33)^{Epsilon}$	309.99	ft
Q	$(1/(1+0.63*((B+Ht)/Lzm)^{0.63}))^{0.5}$	0.9129	
Gust2	$0.925*((1+1.7*lzm*3.4*Q)/(1+1.7*3.4*lzm))$	0.8736	
Gust Factor Category III: Flexible or Dynamically Sensitive Structures			
Vhref	$V*(5280/3600)$	161.33	ft/s
Vzm	$bm*(zm/33)^{Am}*Vhref$	70.89	ft/s
NF1	$NatFreq*Lzm/Vzm$	4.37	Hz
Rn	$(7.47*NF1)/(1+10.302*NF1)^{1.667}$	0.0552	
Nh	$4.6*NatFreq*Ht/Vzm$	1.00	
Nb	$4.6*NatFreq*B/Vzm$	2.25	
Nd	$15.4*NatFreq*Depth/Vzm$	9.49	
Rh	$1/Nh-(1/(2*Nh^2)*(1-Exp(-2*Nh)))$	0.5665	
Rb	$1/Nb-(1/(2*Nb^2)*(1-Exp(-2*Nb)))$	0.3468	
Rd	$1/Nd-(1/(2*Nd^2)*(1-Exp(-2*Nd)))$	0.0999	
RR	$((1/Beta)*Rn*Rh*Rb*(0.53+0.47*Rd))^{0.5}$	0.7908	
gg	$(2*LN(3600*n1))^{0.5}+0.577/(2*LN(3600*n1))^{0.5}$	4.19	
Gust3	$0.925*((1+1.7*lzm*(3.4^2*Q^2+GG^2*RR^2)^{0.5})/(1+1.7*3.4*lzm))$	1.12	

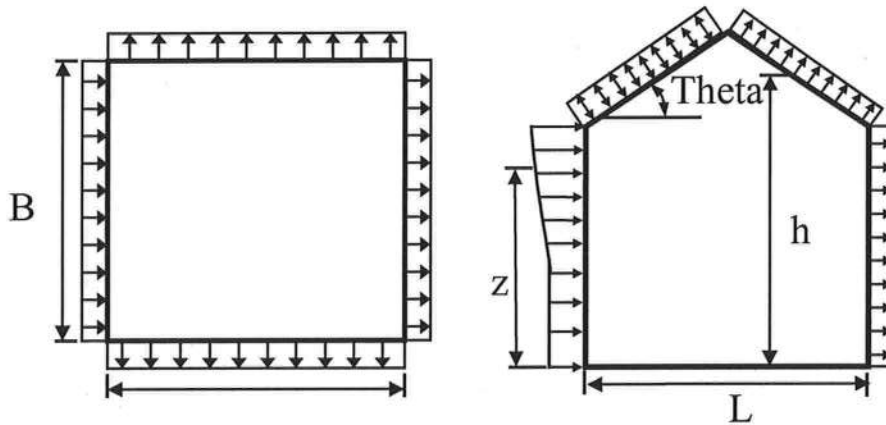
Gust Factor Summary			
Main Wind-force resisting system:		Components and Cladding:	
Gust Factor Category:	I	Gust Factor Category:	I
Gust Factor (G)	0.87	Gust Factor (G)	0.87

ASCE 7-05

6.5.12.2.1 Design Wind Pressure - Buildings of All Heights (Non-flexible)

Elev. ft	Kz	Kzt	Kd	qz lb/ft <sup>2</sup>	Pressure (lb/ft <sup>2</sup> )	
					Windward Wall*	
			1.00		+GCpi	-GCpi
19.48	0.70	1.00	1.00	21.70	11.93	18.40
15.48	0.70	1.00	1.00	21.70	11.93	18.40
15	0.70	1.00	1.00	21.70	11.93	18.40

**Figure 6-3 - External Pressure Coefficients, Cp**  
Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
Kh	$2.01 \cdot (Ht/zg)^{2/\text{Alpha}}$	0.58	
Kht	Topographic factor (Fig 6-2)	1.00	
Qh	$.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot Kh \cdot Kht \cdot Kd$	17.96	psf

Wall Pressure Coefficients, Cp	
Surface	Cp
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.80

Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Description	Cp	Pressure (psf)	
		+GCpi	-GCpi
Leeward Walls (Wind Dir Parallel to 34.67 ft wall)	-0.45	-10.27	-3.80
Leeward Walls (Wind Dir Parallel to 43.67 ft wall)	-0.50	-11.08	-4.61
Side Walls	-0.70	-14.22	-7.75
Roof - Normal to Ridge (Theta >= 10)			
Windward - Max Negative	-0.23	-6.82	-0.35
Windward - Max Positive	0.26	0.82	7.29
Leeward Normal to Ridge	-0.60	-12.65	-6.18
Overhang Top	-0.23	-3.58	-3.58
Overhang Bottom	0.80	0.70	0.70
Roof - Parallel to Ridge (All Theta)			
Dist from Windward Edge: 0 ft to 7.74 ft	-0.90	-17.36	-10.89
Dist from Windward Edge: 7.74 ft to 15.48 ft	-0.90	-17.36	-10.89

ASCE 7-05

Dist from Windward Edge: 15.48 ft to 30.96 ft	-0.50	-11.08	-4.61
Dist from Windward Edge: > 30.96 ft	-0.30	-7.94	-1.47

\* Horizontal distance from windward edge

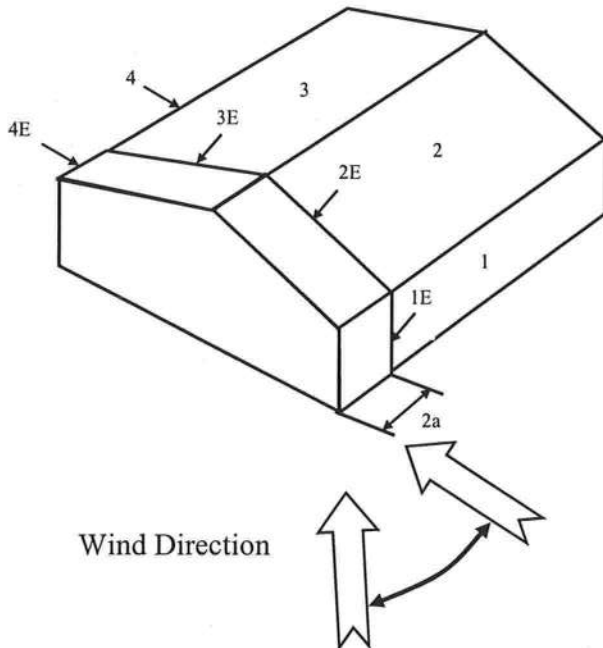
**Figure 6-4 - External Pressure Coefficients, GCpf**

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

$K_h = 2.01 \cdot (H_t/z_g)^{2/\alpha} = 0.58$   
 $K_{ht} = \text{Topographic factor (Fig 6-2)} = 1.00$   
 $Q_h = 0.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot K_h \cdot K_{ht} \cdot K_d = 17.96$

Case A						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.55	0.18	-0.18	21.70	8.03	15.84
2	-0.10	0.18	-0.18	21.70	-5.99	1.82
3	-0.45	0.18	-0.18	21.70	-13.61	-5.79
4	-0.39	0.18	-0.18	21.70	-12.38	-4.57
5	0.00	0.18	-0.18	21.70	-3.91	3.91
6	0.00	0.18	-0.18	21.70	-3.91	3.91
1E	0.73	0.18	-0.18	21.70	11.88	19.69
2E	-0.19	0.18	-0.18	21.70	-7.93	-0.12
3E	-0.58	0.18	-0.18	21.70	-16.59	-8.78
4E	-0.53	0.18	-0.18	21.70	-15.50	-7.69
5E	0.00	0.18	-0.18	21.70	-3.91	3.91
6E	0.00	0.18	-0.18	21.70	-3.91	3.91

\*  $p = q_h \cdot (GC_{pf} - GC_{pi})$



ASCE 7-05

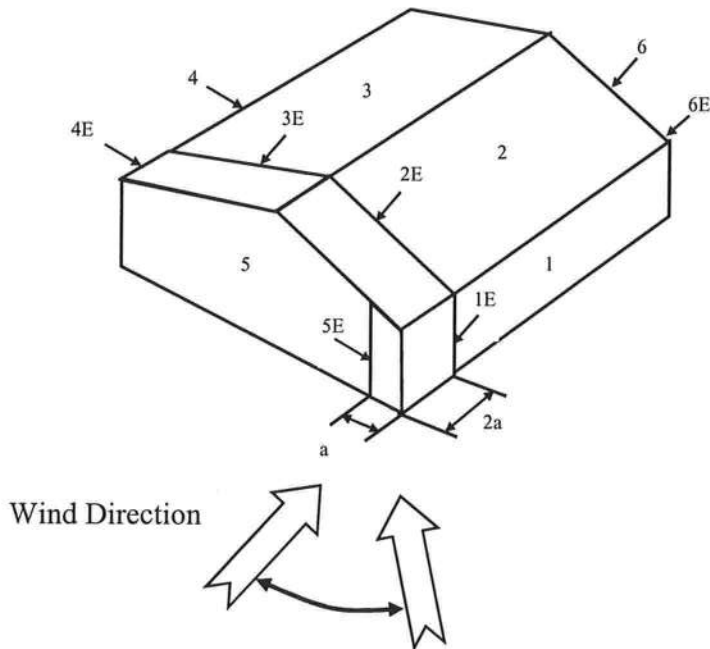
**Figure 6-4 - External Pressure Coefficients, GCpf**

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

$$\begin{aligned}
 K_h &= 2.01 \cdot (H_t/z_g)^{2/\alpha} &= & 0.58 \\
 K_{ht} &= \text{Topographic factor (Fig 6-2)} &= & 1.00 \\
 Q_h &= 0.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot K_h \cdot K_{ht} \cdot K_d &= & 17.96
 \end{aligned}$$

Case B						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	-0.45	0.18	-0.18	21.70	-13.67	-5.86
2	-0.69	0.18	-0.18	21.70	-18.88	-11.07
3	-0.37	0.18	-0.18	21.70	-11.94	-4.12
4	-0.45	0.18	-0.18	21.70	-13.67	-5.86
5	0.40	0.18	-0.18	21.70	4.77	12.59
6	-0.29	0.18	-0.18	21.70	-10.20	-2.39
1E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
2E	-1.07	0.18	-0.18	21.70	-27.13	-19.31
3E	-0.53	0.18	-0.18	21.70	-15.41	-7.60
4E	-0.48	0.18	-0.18	21.70	-14.32	-6.51
5E	0.61	0.18	-0.18	21.70	9.33	17.14
6E	-0.43	0.18	-0.18	21.70	-13.24	-5.43

\* p = qh \* (GCpf - GCpi)



**Figure 6-5 - External Pressure Coefficients, GCp**



## ASCE 7-05

	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
<b>Enclosed Buildings</b>	<b>0.18</b>	<b>-0.18</b>

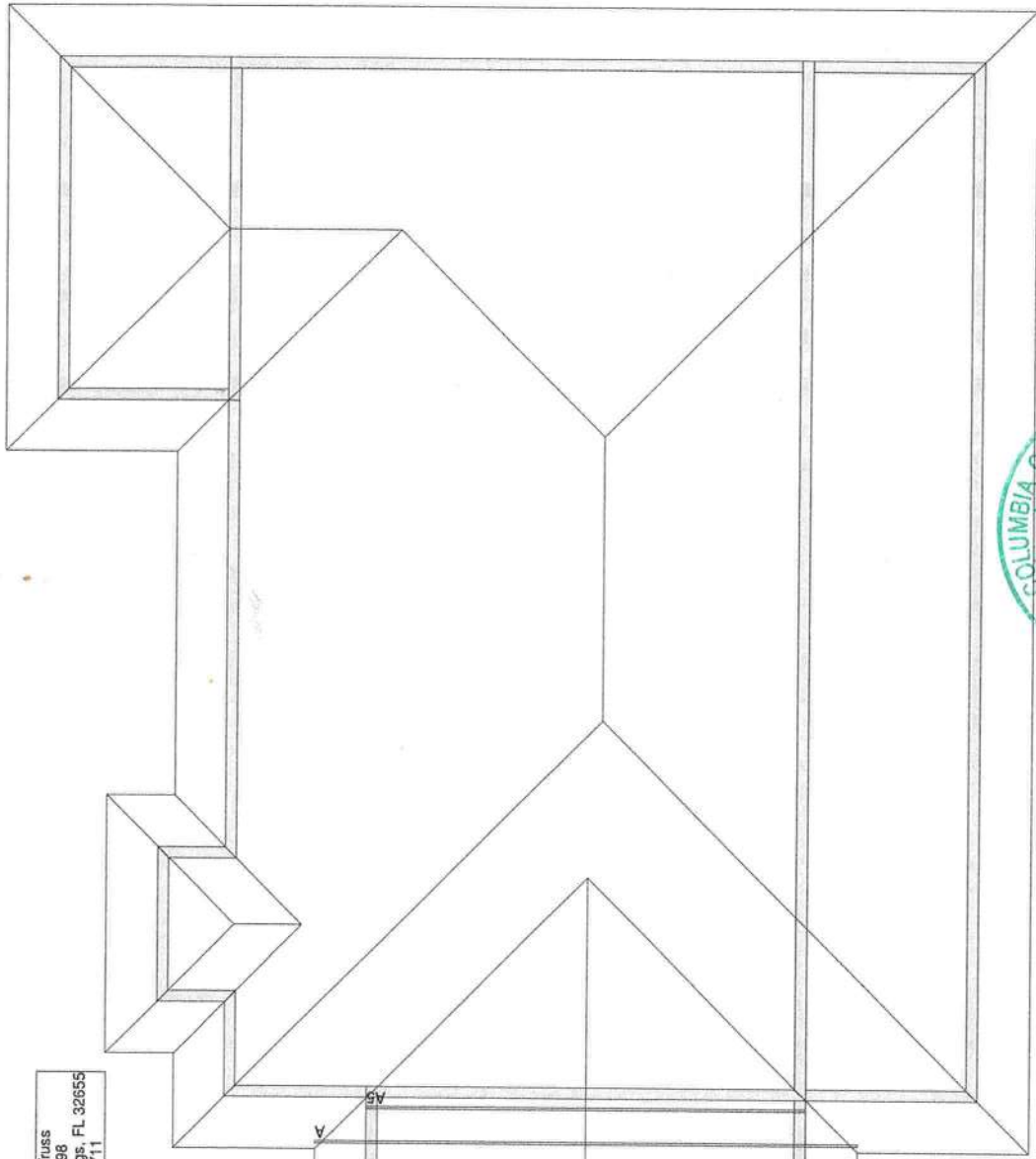
**Table 6-8 External Pressure Coefficients for Arched Roofs,  $C_p$** 

r (Rise-to-Span Ratio) = 0.3

Condition	Variable	$C_p$		
		Windward Quarter	Center Half	Leeward Quarter
Roof on Elevated Structure	$C_p$	0.13	-1	-0.5
	P (+GC $p_i$ ) - psf	-1.27	-18.93	-11.08
	P (-GC $p_i$ ) -psf	5.20	-12.46	-4.61
Roof Springing from Ground	$C_p$	0.42	-1	-0.5
	P (+GC $p_i$ ) - psf	3.36	-18.93	-11.08
	P (-GC $p_i$ ) -psf	3.36	-18.93	-11.08

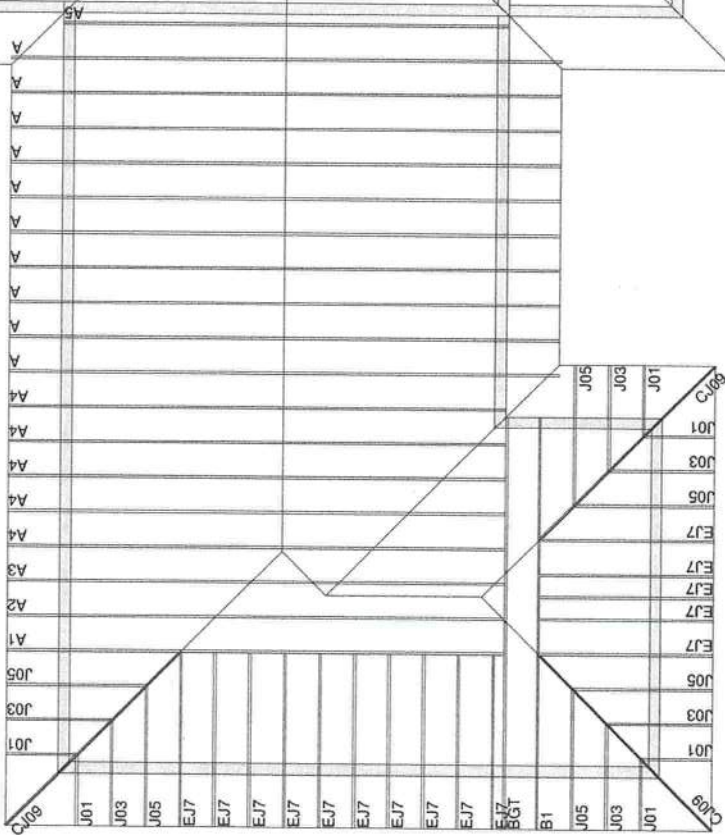
**Table 6-9 Force Coefficients for Monoslope Roofs over Open Buildings,  $C_f$** 

Variable	Description	Value	
L	Roof dimension normal to wind direction	43.67	ft
B	Roof dimension parallel to wind direction	34.67	ft
L/B	Ratio of L to B	1.260	
Theta	Slope of Roof	26.6	Deg
$C_f$	Force Coefficient	1.15	
X	Distance to center of pressure from windward edge	0.40	ft



Santa Fe Truss  
 PO Box 1298  
 High Springs, FL 32655  
 386-454-7711

**ROSENBOOM CONSTRUCTION  
 THOMPSON ADDITION**



RE: RSNTHOMPSON - THOMPSON ADDITION

**Trencos**  
 818 Soundside Rd  
 Edenton, NC 27932

**Site Information:**

Project Customer: ROSENBOOM CONSTRUCTION Project Name: THOMPSON ADDITION  
 Lot/Block: Subdivision:  
 Address: 2535 SW CR778  
 City: FT WHITE State: FL

**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: FBC2007/TPI2002 Design Program: MiTek 20/20 7.2  
 Wind Code: ASCE 7-05 Wind Speed: 110 mph Floor Load: N/A psf  
 Roof Load: 40.0 psf

This package includes 13 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. This document processed per section 61G15-23.003 of the Florida Board of Professionals Rules

No.	Seal#	Truss Name	Date
1	E5960569	A1	2/23/011
2	E5960570	A2	2/23/011
3	E5960571	A3	2/23/011
4	E5960572	A4	2/23/011
5	E5960573	A5	2/23/011
6	E5960574	A	2/23/011
7	E5960575	B1	2/23/011
8	E5960576	BGT	2/23/011
9	E5960577	CJ09	2/23/011
10	E5960578	EJ7	2/23/011
11	E5960579	J01	2/23/011
12	E5960580	J03	2/23/011
13	E5960581	J05	2/23/011

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

Truss Design Engineer's Name: Strzyzewski, Marvin  
 My license renewal date for the state of is February 28, 2013.

**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 Chapter 2.



FL Cert. #7239

February 23, 2011

Strzyzewski, Marvin

Job RSNTHOMPSON	Truss A1	Truss Type MONO HIP	Qty 1	Ply 1	THOMPSON ADDITION	E5960569
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SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL

7.250 s Jan 28 2011 MiTek Industries, Inc. Tue Feb 22 17:33:21 2011 Page 1

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Scale = 1:50.2

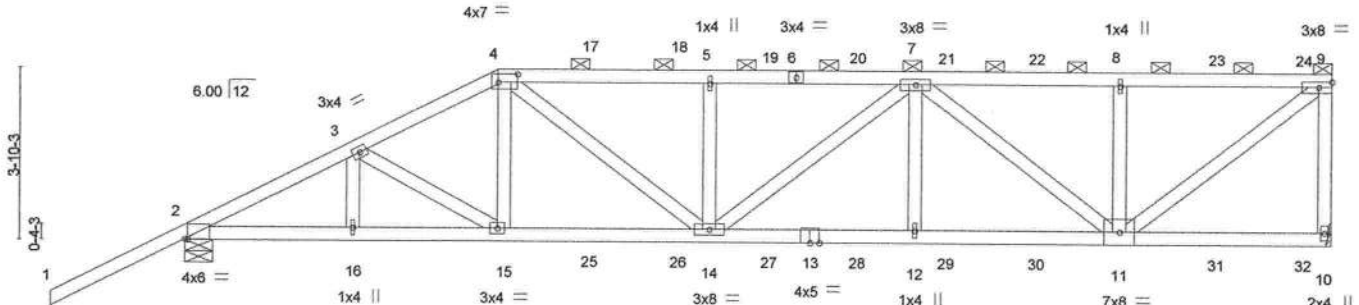


Plate Offsets (X, Y): [2:0-0,12,0-0-2], [4:0-5-4,0-2-4]

<b>LOADING (psf)</b>	<b>SPACING</b>	<b>CSI</b>	<b>DEFL</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plates Increase 2-0-0 1.25	TC 0.70	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Lumber Increase 1.25	BC 0.76	Vert(LL) -0.13 12-14 >999 240		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.83	Vert(TL) -0.36 12-14 >848 180		
BCDL 10.0	Code FBC2007/TPI2002	(Matrix)	Horz(TL) 0.11 10 n/a n/a		
				Weight: 147 lb	FT = 15%

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

**BRACING**  
 TOP CHORD Structural wood sheathing directly applied or 3-3-2 oc purlins, except end verticals, and 2-0-0 oc purlins (2-11-11 max.): 4-9.  
 BOT CHORD Rigid ceiling directly applied or 8-5-9 oc bracing.  
 JOINTS 1 Brace at Jt(s): 9

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS (lb/size)** 10=1910/Mechanical, 2=1965/0-7-10 (min. 0-2-5)  
 Max Horz 2=188(LC 5)  
 Max Uplift 10=-329(LC 4), 2=-423(LC 5)

**FORCES (lb) - Maximum Compression/Maximum Tension**  
 TOP CHORD 1-2=0/80, 2-3=-3165/519, 3-4=-3117/559, 4-17=-3444/616, 17-18=-3444/616, 5-18=-3444/616, 5-19=-3444/617, 6-19=-3444/617, 6-20=-3444/617, 7-20=-3444/617, 7-21=-2066/358, 21-22=-2066/358, 8-22=-2066/358, 8-23=-2066/358, 23-24=-2066/358, 9-24=-2066/358, 9-10=-1804/355  
 BOT CHORD 2-16=-503/2697, 15-16=-503/2697, 15-25=-516/2787, 25-26=-516/2787, 14-26=-516/2787, 14-27=-557/3177, 13-27=-557/3177, 13-28=-557/3177, 12-28=-557/3177, 12-29=-557/3177, 29-30=-557/3177, 11-30=-557/3177, 11-31=-5/31, 31-32=-5/31, 10-32=-5/31  
 WEBS 3-16=-40/80, 3-15=-111/80, 4-15=-52/607, 4-14=-156/821, 5-14=-502/186, 7-14=-75/338, 7-12=0/386, 7-11=-1405/252, 8-11=-510/187, 9-11=-446/2572

- NOTES**
- 1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf, BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
  - 2) Provide adequate drainage to prevent water ponding.
  - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 5) Refer to girder(s) for truss to truss connections.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 329 lb uplift at joint 10 and 423 lb uplift at joint 2.
  - 7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
  - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.



Continued on page 2

FL Cert. #7239

February 23, 2011

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10-'08 BEFORE USE.**  
 Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 281 N. Lee Street, Suite 312, Alexandria, VA 22314.



818 Soundside Road  
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	THOMPSON ADDITION	E5960569
RSNTHOMPSON	A1	MONO HIP	1	1		

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL

7.250 s Jan 28 2011 MiTek Industries, Inc. Tue Feb 22 17:33:21 2011 Page 2  
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**NOTES**

- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 86 lb down and 46 lb up at 7-0-0, 86 lb down and 46 lb up at 9-0-12, 86 lb down and 46 lb up at 11-0-12, 86 lb down and 46 lb up at 13-0-12, 86 lb down and 46 lb up at 15-0-12, 86 lb down and 46 lb up at 17-0-12, 86 lb down and 46 lb up at 19-0-12, 86 lb down and 46 lb up at 21-0-12, and 86 lb down and 46 lb up at 23-0-12, and 86 lb down and 46 lb up at 25-0-12 on top chord, and 388 lb down and 87 lb up at 7-0-0, 92 lb down at 9-0-12, 92 lb down at 11-0-12, 92 lb down at 13-0-12, 92 lb down at 15-0-12, 92 lb down at 17-0-12, 92 lb down at 19-0-12, 92 lb down at 21-0-12, and 92 lb down at 23-0-12, and 92 lb down at 25-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-60, 4-9=-60, 2-10=-20

Concentrated Loads (lb)

Vert: 4=-86(F) 15=-388(F) 8=-86(F) 11=-46(F) 17=-86(F) 18=-86(F) 19=-86(F) 20=-86(F) 21=-86(F) 22=-86(F) 23=-86(F) 24=-86(F) 25=-46(F) 26=-46(F) 27=-46(F) 28=-46(F) 29=-46(F) 30=-46(F) 31=-46(F) 32=-46(F)

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10-'08 BEFORE USE.**

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 281 N. Lee Street, Suite 312, Alexandria, VA 22314.

ENGINEERING BY  
**TRENCO**  
 A MiTek Affiliate

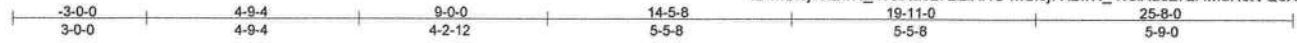
818 Soundside Road  
 Edenton, NC 27932

Job RSNTHOMPSON	Truss A2	Truss Type MONO HIP	Qty 1	Ply 1	THOMPSON ADDITION	E5960570
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SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL

7.250 s Jan 28 2011 MiTek Industries, Inc. Tue Feb 22 17:33:21 2011 Page 1

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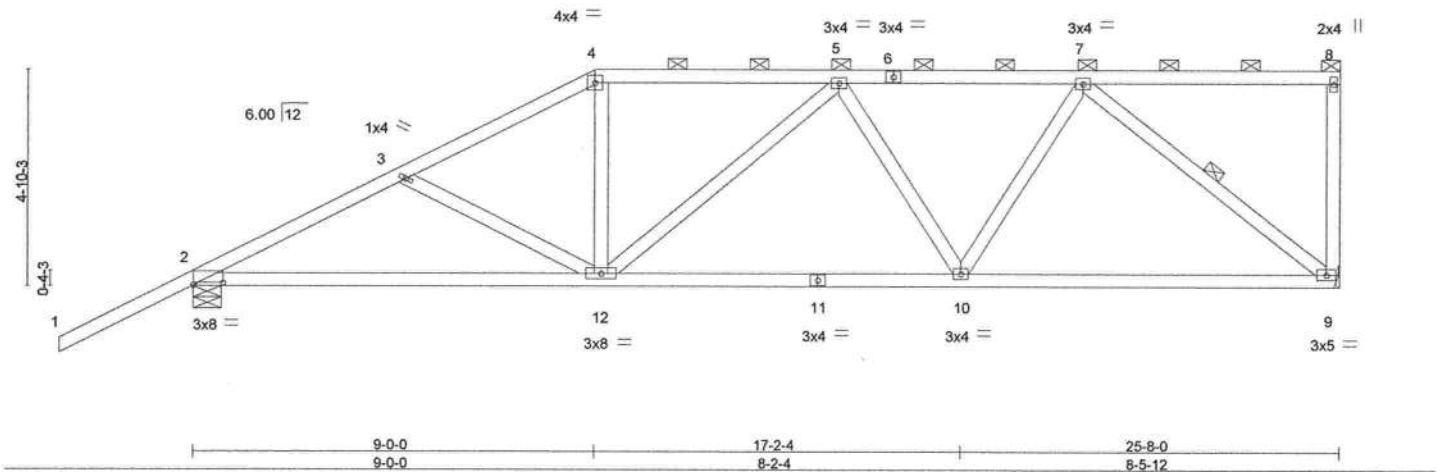


Plate Offsets (X,Y): [2:0-8-0-0-10]							
<b>LOADING</b> (psf)	<b>SPACING</b>	<b>CSI</b>	<b>DEFL</b>	<b>PLATES</b>	<b>GRIP</b>		
TCLL 20.0	2-0-0	TC 0.61	in (loc) l/defl L/d	MT20	244/190		
TCDL 10.0	Plates Increase 1.25	BC 0.51	Vert(LL) -0.12 2-12 >999 240				
BCLL 0.0 *	Lumber Increase 1.25	WB 0.34	Vert(TL) -0.31 9-10 >963 180				
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.06 9 n/a n/a				
	Code FBC2007/TPI2002					Weight: 138 lb FT = 15%	

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

**BRACING**  
 TOP CHORD Structural wood sheathing directly applied or 4-7-2 oc purlins, except end verticals, and 2-0-0 oc purlins (5-4-13 max.); 4-8.  
 Rigid ceiling directly applied or 10-0-0 oc bracing.  
 BOT CHORD 1 Row at midpt 7-9  
 WEBS 1 Brace at Jt(s): 8  
 JOINTS

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 9=995/Mechanical, 2=1220/0-7-10 (min. 0-1-8)  
 Max Horz 2=220(LC 5)  
 Max Uplift 9=172(LC 4), 2=239(LC 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/80, 2-3=-1685/215, 3-4=-1452/204, 4-5=-1257/199, 5-6=-1224/195, 6-7=-1224/195, 7-8=-25/1, 8-9=-147/48  
 BOT CHORD 2-12=-252/1415, 11-12=-241/1369, 10-11=-241/1369, 9-10=-180/974  
 WEBS 3-12=-190/76, 4-12=-11/404, 5-12=-147/102, 5-10=-281/90, 7-10=-29/511, 7-9=-1226/230

- NOTES**
- 1) Wind: ASCE 7-05; 110mph (3-second gust); TC DL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
  - 2) Provide adequate drainage to prevent water ponding.
  - 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 5) Refer to girder(s) for truss to truss connections.
  - 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 172 lb uplift at joint 9 and 239 lb uplift at joint 2.
  - 7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
  - 8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard



FL Cert. #7239

February 23, 2011

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7470 rev. 10-'08 BEFORE USE.**  
 Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 281 N. Lee Street, Suite 312, Alexandria, VA 22314.

ENGINEERING BY  
**TRENCO**  
 A MiTek Affiliate  
 818 Soundside Road  
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	THOMPSON ADDITION	E5960571
RSNTHOMPSON	A3	HIP	1	1		

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL 7.250 s Jan 28 2011 MiTek Industries, Inc. Tue Feb 22 17:33:23 2011 Page 1  
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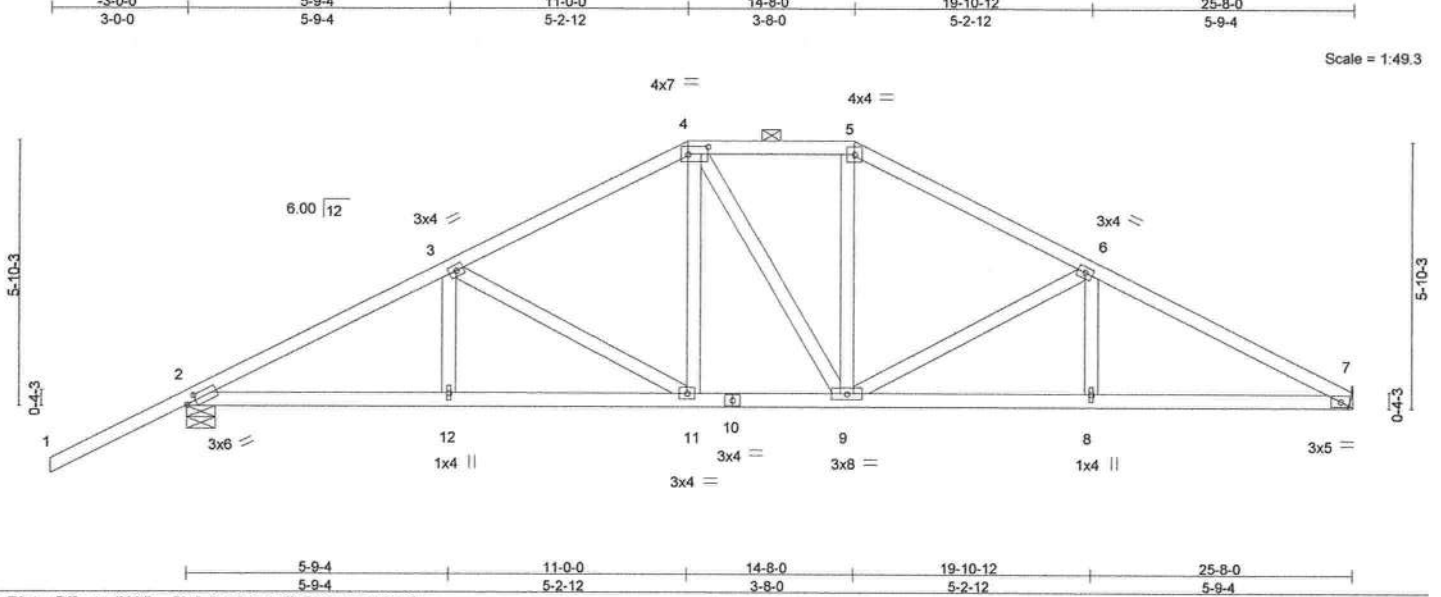


Plate Offsets (X,Y): [2:0-2-10,0-1-8], [4:0-5-4,0-2-0]

<b>LOADING (psf)</b>	<b>SPACING</b> 2-0-0	<b>CSI</b>	<b>DEFL</b> in (loc) l/defl L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plates Increase 1.25	TC 0.61	Vert(LL) -0.06 11-12 >999 240	MT20	244/190
TCDL 10.0	Lumber Increase 1.25	BC 0.44	Vert(TL) -0.17 11-12 >999 180		
BCLL 0.0 *	Rep Stress Incr YES	WB 0.35	Horz(TL) 0.07 7 n/a n/a		
BCDL 10.0	Code FBC2007/TPI2002	(Matrix)		Weight: 135 lb	FT = 15%

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

**BRACING**  
 TOP CHORD Structural wood sheathing directly applied or 4-4-12 oc purlins, except 2-0-0 oc purlins (5-11-2 max.): 4-5.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS (lb/size)** 7=998/Mechanical, 2=1224/0-7-10 (min. 0-1-8)  
 Max Horz 2=139(LC 5)  
 Max Uplift 7=122(LC 6), 2=260(LC 5)

**FORCES (lb) - Maximum Compression/Maximum Tension**  
 TOP CHORD 1-2=0/80, 2-3=-1716/138, 3-4=-1310/159, 4-5=-1121/178, 5-6=-1326/171, 6-7=-1850/221  
 BOT CHORD 2-12=-103/1439, 11-12=-103/1439, 10-11=-42/1111, 9-10=-42/1111, 8-9=-139/1585, 7-8=-139/1585  
 WEBS 3-12=0/224, 3-11=-389/70, 4-11=-20/327, 4-9=-100/129, 5-9=-28/345, 6-9=-540/159, 6-8=0/248

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Refer to girder(s) for truss to truss connections.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 122 lb uplift at joint 7 and 260 lb uplift at joint 2.
  - "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

**LOAD CASE(S)** Standard



FL Cert. #7239

February 23, 2011

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10-08 BEFORE USE.**  
 Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 281 N. Lee Street, Suite 312, Alexandria, VA 22314.

ENGINEERING BY  
**TRENCO**  
 A MiTek Affiliate  
 818 Soundside Road  
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	THOMPSON ADDITION	E5960572
RSNTHOMPSON	A4	COMMON	5	1		

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL

7.250 s Jan 28 2011 MiTek Industries, Inc. Tue Feb 22 17:33:23 2011 Page 1  
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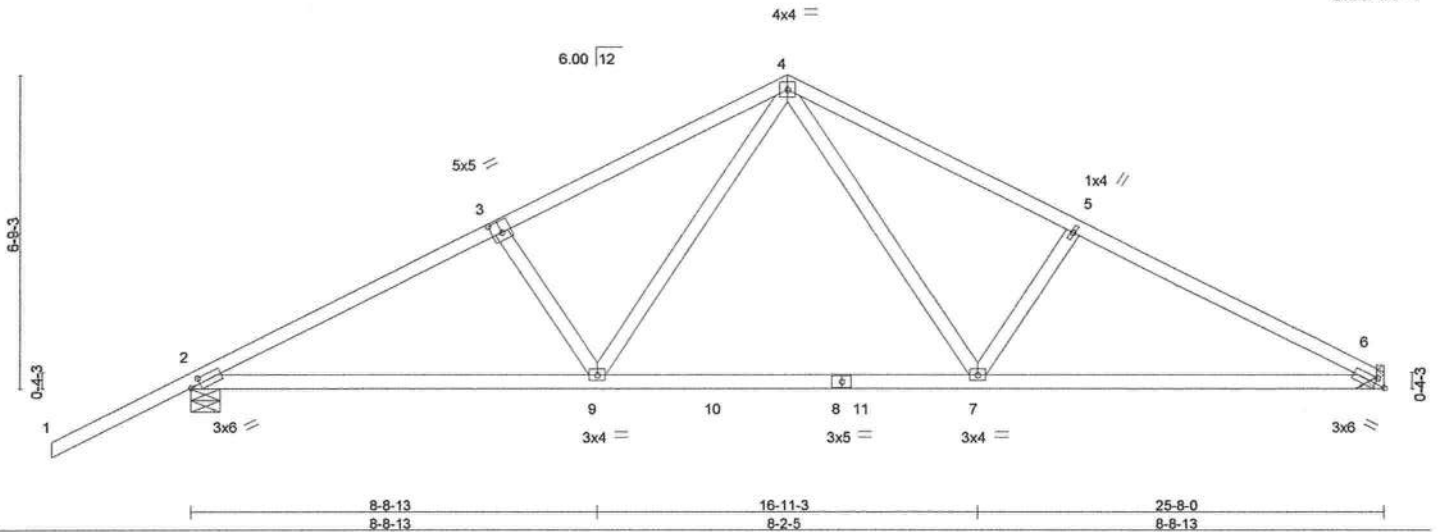


Plate Offsets (X,Y): [2:0-2-10,0-1-8], [3:0-2-8,0-3-0], [6:0-2-10,0-1-8]

<b>LOADING (psf)</b>	<b>SPACING</b>	<b>CSI</b>	<b>DEFL</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.61	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plates Increase 1.25	BC 0.69	Vert(LL) -0.21 7-9 >999 240		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.21	Vert(TL) -0.35 7-9 >866 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.06 6 n/a n/a		
	Code FBC2007/TPI2002			Weight: 119 lb	FT = 15%

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

**BRACING**  
 TOP CHORD  
 BOT CHORD

Structural wood sheathing directly applied or 4-3-4 oc purlins.  
 Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS (lb/size)** 6=1052/Mechanical, 2=1277/0-7-10 (min. 0-1-8)  
 Max Horz 2=150(LC 5)  
 Max Uplift 6=-129(LC 6), 2=-268(LC 5)

**FORCES (lb) - Maximum Compression/Maximum Tension**  
 TOP CHORD 1-2=0/80, 2-3=-1812/174, 3-4=-1608/201, 4-5=-1659/251, 5-6=-1867/233  
 BOT CHORD 2-9=-149/1520, 9-10=-40/1048, 8-10=-40/1048, 8-11=-40/1048, 7-11=-40/1048, 6-7=-140/1583  
 WEBS 4-7=-120/668, 5-7=-355/173, 4-9=-62/595, 3-9=-318/143

**NOTES**

- Unbalanced roof live loads have been considered for this design.
- Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 129 lb uplift at joint 6 and 268 lb uplift at joint 2.
- "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

**LOAD CASE(S)** Standard



FL Cert. #7239

February 23, 2011

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7478 rev. 10-08 BEFORE USE.**  
 Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 281 N. Lee Street, Suite 312, Alexandria, VA 22314.

ENGINEERING BY  
**TRENCO**  
 A MiTek Affiliate

818 Soundside Road  
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	THOMPSON ADDITION	E5960573
RSNTHOMPSON	A5	COMMON	1	1		

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL 7.250 s Jan 28 2011 MiTek Industries, Inc. Tue Feb 22 17:33:24 2011 Page 1

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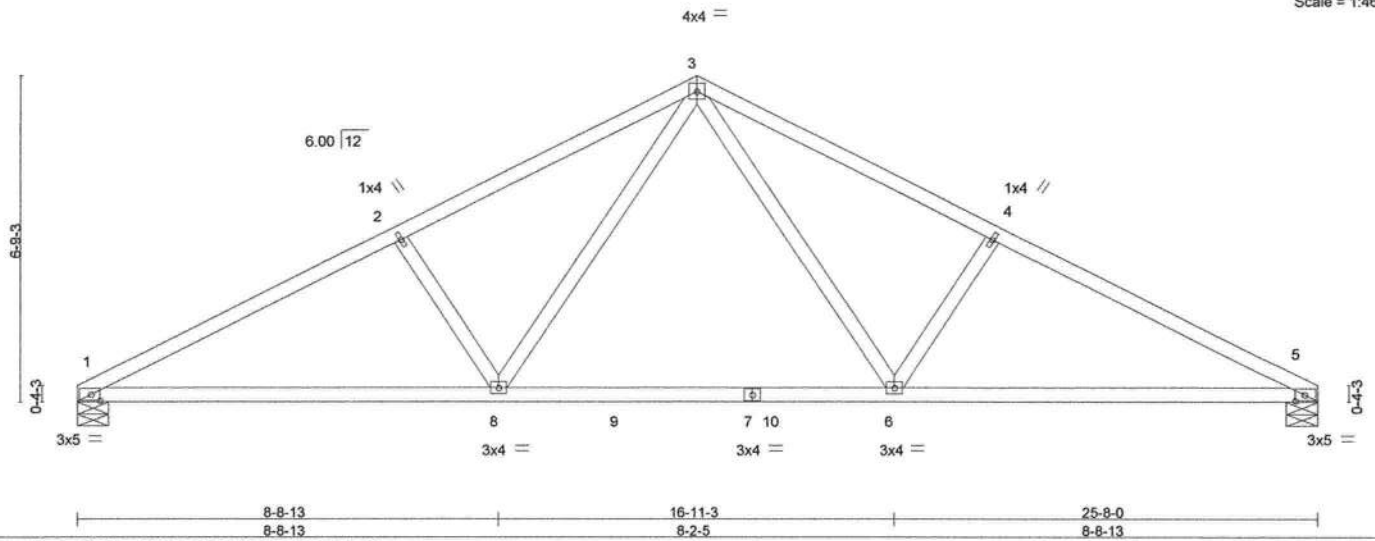


Plate Offsets (X,Y): [1:0-2-4,0-1-8], [5:0-2-4,0-1-8]

<b>LOADING (psf)</b>	<b>SPACING</b>	<b>CSI</b>	<b>DEFL</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.34	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plates Increase 1.25	BC 0.67	Vert(LL) -0.20 6-8 >999 240		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.21	Vert(TL) -0.33 5-6 >907 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) 0.06 5 n/a n/a		
	Code FBC2007/TPI2002			Weight: 114 lb	FT = 15%

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

**BRACING**  
 TOP CHORD Structural wood sheathing directly applied or 4-2-13 oc purlins.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS (lb/size)** 1=1065/0-7-10 (min. 0-1-8), 5=1065/0-7-10 (min. 0-1-8)  
 Max Horz 1=-83(LC 3)  
 Max Uplift 1=-130(LC 5), 5=-130(LC 6)

**FORCES (lb) - Maximum Compression/Maximum Tension**  
 TOP CHORD 1-2=-1893/235, 2-3=-1684/253, 3-4=-1684/253, 4-5=-1893/235  
 BOT CHORD 1-8=-218/1606, 8-9=-61/1075, 7-9=-61/1075, 7-10=-61/1075, 6-10=-61/1075, 5-6=-142/1606  
 WEBS 3-6=-119/665, 4-6=-356/173, 3-8=-119/665, 2-8=-356/173

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-05; 110mph (3-second gust); TCCL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 130 lb uplift at joint 1 and 130 lb uplift at joint 5.
  - "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

**LOAD CASE(S)** Standard



FL Cert. #7239

February 23, 2011

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10-'08 BEFORE USE.**

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, D58-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 281 N. Lee Street, Suite 312, Alexandria, VA 22314.

ENGINEERING BY  
**TRENCO**  
 A MiTek Affiliate

818 Soundside Road  
 Edenton, NC 27932

Job RSNTHOMPSON	Truss A	Truss Type COMMON	Qty 10	Ply 1	THOMPSON ADDITION	E5960574
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SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL

7.250 s Jan 28 2011 MiTek Industries, Inc. Tue Feb 22 17:33:19 2011 Page 1  
ID: Q3dOIRJ5OmKMGYY8TD7fuHziXHE-Q3dOIRJ5OmKMGYY8TD7fuH?18Uv51ZuE9xAME0ziXHE



Scale = 1:52.8

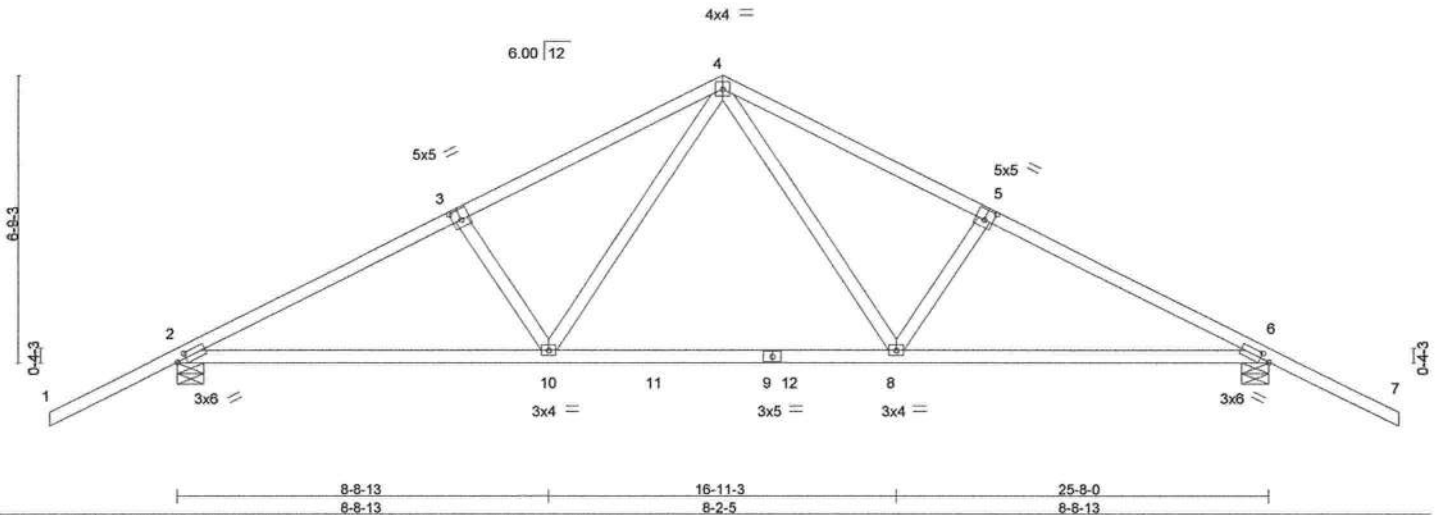


Plate Offsets (X,Y): [2-0-2-10-0-1-8], [3-0-2-8-0-3-0], [5-0-2-8-0-3-0], [6-0-2-10-0-1-8]

LOADING (psf)	SPACING	CSI	DEFL	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.61	Vert(LL)	-0.23	8-10	>999	MT20	244/190
TCDL 10.0	Plates Increase 1.25	BC 0.59	Vert(TL)	-0.37	8-10	>810		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.19	Horz(TL)	0.06	6	n/a		
BCDL 10.0	Rep Stress Incr YES	(Matrix)						
	Code FBC2007/TPI2002						Weight: 124 lb	FT = 15%

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

**BRACING**  
TOP CHORD Structural wood sheathing directly applied or 4-5-15 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 2=1264/0-7-10 (min. 0-1-8), 6=1264/0-7-10 (min. 0-1-8)  
Max Horz 2=130(LC 5)  
Max Uplift 2=-267(LC 5), 6=-267(LC 6)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
TOP CHORD 1-2=0/80, 2-3=-1786/169, 3-4=-1582/189, 4-5=-1582/190, 5-6=-1786/169, 6-7=0/80  
BOT CHORD 2-10=-127/1497, 10-11=-18/1022, 9-11=-18/1022, 9-12=-18/1022, 8-12=-18/1022, 6-8=-65/1497  
WEBS 4-8=-63/597, 5-8=-318/143, 4-10=-62/597, 3-10=-318/143

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 267 lb uplift at joint 2 and 267 lb uplift at joint 6.
  - "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

**LOAD CASE(S)** Standard



FL Cert. #7239

February 23, 2011

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10-08 BEFORE USE.**

Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D5B-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 281 N. Lee Street, Suite 312, Alexandria, VA 22314.

ENGINEERING BY  
**TRENCO**  
A MiTek Affiliate

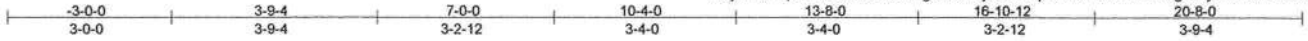
818 Soundside Road  
Edenton, NC 27932

Job RSNTOMPSON	Truss B1	Truss Type HIP	Qty 1	Ply 1	THOMPSON ADDITION	E5960575
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SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL

7.250 s Jan 28 2011 MiTek Industries, Inc. Tue Feb 22 17:33:26 2011 Page 1

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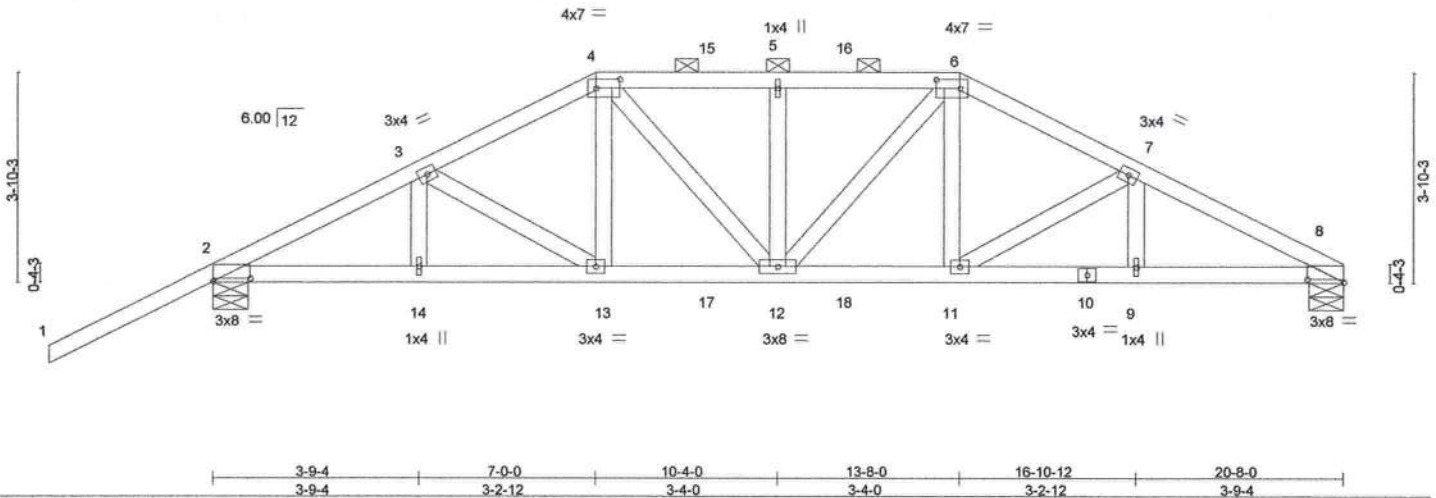


Plate Offsets (X,Y): [2:0-8-0,0-0-10], [4:0-5-4,0-2-0], [6:0-5-4,0-2-0], [8:0-8-0,0-0-10]

<b>LOADING</b> (psf)	<b>SPACING</b>	<b>CSI</b>	<b>DEFL</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.70	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plates Increase 1.25	BC 0.67	Vert(LL) -0.08 12 >999 240		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.19	Vert(TL) -0.20 11-12 >999 180		
BCDL 10.0	Rep Stress Incr NO	(Matrix)	Horz(TL) 0.08 8 n/a n/a		
	Code FBC2007/TPI2002			Weight: 112 lb	FT = 15%

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

**BRACING**  
 TOP CHORD Structural wood sheathing directly applied or 3-7-6 oc purlins, except 2-0-0 oc purlins (3-10-7 max.); 4-6.  
 BOT CHORD Rigid ceiling directly applied or 9-10-8 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 8=1456/0-7-10 (min. 0-1-11), 2=1688/0-7-10 (min. 0-2-0)  
 Max Horz 2=116(LC 5)  
 Max Uplift 8=-265(LC 6), 2=-408(LC 5)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/80, 2-3=-2612/442, 3-4=-2522/477, 4-15=-2531/495, 5-15=-2530/495, 5-16=-2530/495, 6-16=-2531/495, 6-7=-2563/505, 7-8=-2762/513  
 BOT CHORD 2-14=-370/2215, 13-14=-370/2215, 13-17=-374/2249, 12-17=-374/2249, 12-18=-358/2275, 11-18=-358/2275, 10-11=-409/2370, 9-10=-409/2370, 8-9=-409/2370  
 WEBS 3-14=-24/96, 3-13=-103/66, 4-13=-67/562, 4-12=-103/468, 5-12=-416/159, 6-12=-94/439, 6-11=-96/581, 7-11=-140/63, 7-9=0/123

- NOTES**
- Unbalanced roof live loads have been considered for this design.
  - Wind: ASCE 7-05; 110mph (3-second gust); TC DL=6.0psf; BC DL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
  - Provide adequate drainage to prevent water ponding.
  - This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 265 lb uplift at joint 8 and 408 lb uplift at joint 2.
  - "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
  - Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
  - Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 86 lb down and 46 lb up at 7-0-0, 86 lb down and 46 lb up at 9-0-12, 86 lb down and 46 lb up at 10-4-0, and 86 lb down and 46 lb up at 11-7-4, and 86 lb down and 46 lb up at 13-8-0 on top chord, and 388 lb down and 87 lb up at 7-0-0, 92 lb down at 9-0-12, 92 lb down at 10-4-0, and 92 lb down at 11-7-4, and 388 lb down and 87 lb up at 13-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
  - In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard



FL Cert. #7239

February 23, 2011

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ENGINEERING BY  
**TRENCO**  
 A MiTek Affiliate

818 Soundside Road  
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	THOMPSON ADDITION	E5960575
RSNTHOMPSON	B1	HIP	1	1		

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL

7.250 s Jan 28 2011 MiTek Industries, Inc. Tue Feb 22 17:33:26 2011 Page 2  
 ID:jQY2mqOUlvcM0daUNBdlgzixH7-jQY2mqOUlvcM0daUNBdlgloBylHXAkHgmXND\_6ziXH7

**LOAD CASE(S)** Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-60, 4-6=-60, 6-8=-60, 2-8=-20

Concentrated Loads (lb)

Vert: 4=-86(F) 6=-86(F) 13=-388(F) 12=-46(F) 5=-86(F) 11=-388(F) 15=-86(F) 16=-86(F) 17=-46(F) 18=-46(F)

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818 Soundside Road  
 Edenton, NC 27932

Job RSNTHOMPSON	Truss BGT	Truss Type HIP	Qty 1	Ply 1	THOMPSON ADDITION E5960576
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SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL

7.250 s Jan 28 2011 MiTek Industries, Inc. Tue Feb 22 17:33:27 2011 Page 1  
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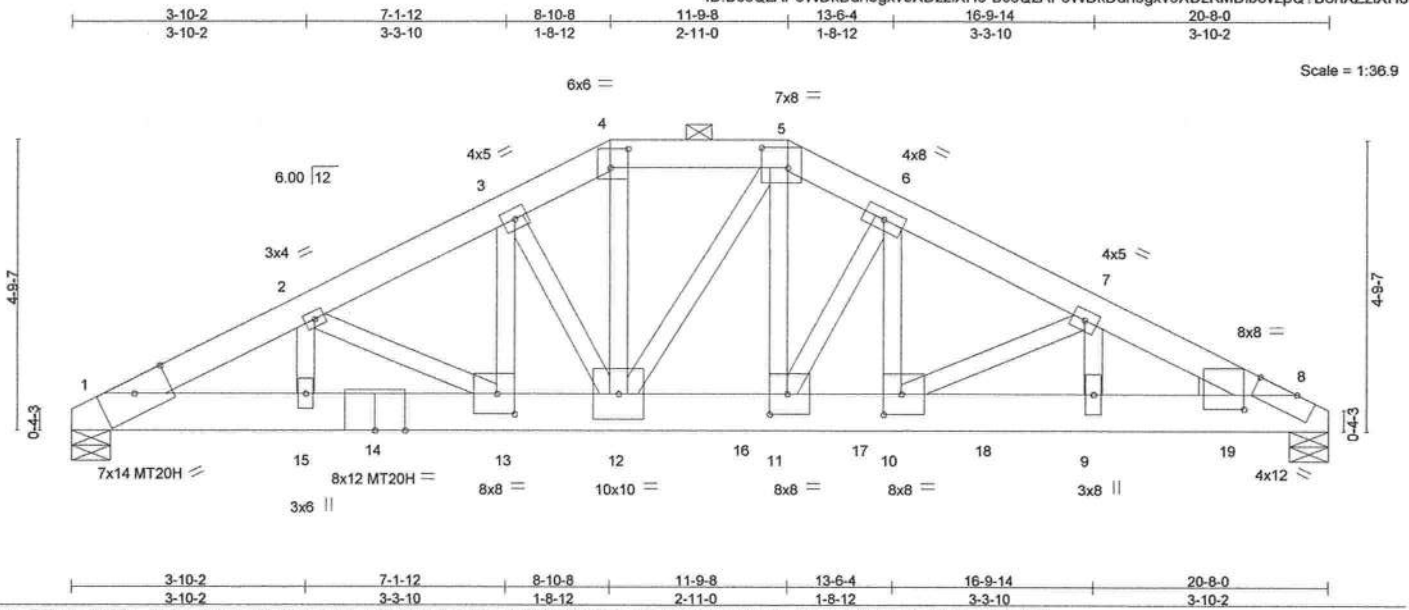


Plate Offsets (X,Y): [4:0-3-8,0-3-12], [5:0-5-4,0-4-0], [8:0-8-0,Edge], [8:0-10-5,0-2-13], [10:0-3-8,0-4-0], [11:0-3-8,0-4-0], [13:0-3-8,0-4-0]

<b>LOADING (psf)</b>	<b>SPACING</b> 2-0-0	<b>CSI</b>	<b>DEFL</b> in (loc) l/defl L/d	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plates Increase 1.25	TC 0.73	Vert(LL) -0.17 10 >999 240	MT20	244/190
TCDL 10.0	Lumber Increase 1.25	BC 0.73	Vert(TL) -0.40 9-10 >602 180	MT20H	187/143
BCLL 0.0 *	Rep Stress Incr NO	WB 0.96	Horz(TL) 0.11 8 n/a n/a		
BCDL 10.0	Code FBC2007/TPI2002	(Matrix)		Weight: 164 lb	FT = 15%

**LUMBER**  
 TOP CHORD 2 X 6 SYP No.2  
 BOT CHORD 2 X 8 SYP 2400F 2.0E  
 WEBS 2 X 4 SYP No.3  
 WEDGE  
 Right: 2 X 4 SYP No.3

**BRACING**  
 TOP CHORD Structural wood sheathing directly applied or 1-10-6 oc purlins, except 2-0-0 oc purlins (2-10-14 max.): 4-5.  
 BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.  
 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS (lb/size)** 1=3947/0-7-10 (min. 0-3-4), 8=5625/0-7-10 (min. 0-7-10)  
 Max Horz 1=-54(LC 3)  
 Max Uplift 1=-595(LC 5), 8=-779(LC 6)

**FORCES (lb) - Maximum Compression/Maximum Tension**  
 TOP CHORD 1-2=-8224/1239, 2-3=-8141/1242, 3-4=-7329/1120, 4-5=-6694/1033, 5-6=-7297/1082, 6-7=-8558/1225, 7-8=-10462/1457  
 BOT CHORD 1-15=-1128/7348, 14-15=-1128/7348, 13-14=-1128/7348, 12-13=-1072/7246, 12-16=-889/6635, 11-16=-889/6635, 11-17=-1014/7639, 10-17=-1014/7639, 10-18=-1276/9367, 9-18=-1276/9367, 9-19=-1276/9367, 8-19=-1276/9367  
 WEBS 2-15=-173/52, 2-13=-122/63, 3-13=-269/1509, 3-12=-1358/288, 4-12=-453/2991, 5-12=-106/202, 5-11=-418/3001, 6-11=-2277/342, 6-10=-310/2417, 7-10=-1955/300, 7-9=-166/1501

- NOTES**
- 1) Unbalanced roof live loads have been considered for this design.
  - 2) Wind: ASCE 7-05; 110mph (3-second gust); TC DL=6.0psf; BC DL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
  - 3) Provide adequate drainage to prevent water ponding.
  - 4) All plates are MT20 plates unless otherwise indicated.
  - 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 6) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 595 lb uplift at joint 1 and 779 lb uplift at joint 8.
  - 8) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
  - 9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
  - 10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1890 lb down and 335 lb up at 7-0-12, 975 lb down and 178 lb up at 9-0-12, 978 lb down and 128 lb up at 11-0-12, 1032 lb down and 135 lb up at 13-0-12, 1032 lb down and 135 lb up at 15-0-12, and 1032 lb down and 135 lb up at 17-0-12, and 1032 lb down and 135 lb up at 19-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
  - 11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard



FL Cert. #7239

February 23, 2011

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ENGINEERING BY  
**TRENCO**  
 A MiTek Affiliate

818 Soundside Road  
 Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	THOMPSON ADDITION	E5960576
RSNTHOMPSON	BGT	HIP	1	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL

7.250 s Jan 28 2011 MiTek Industries, Inc. Tue Feb 22 17:33:27 2011 Page 2  
 ID: Bc6QzAP6WDkDdn9gxv9XDzziXH6-Bc6QzAP6WDkDdn9gxv9XDzKMDibovzpQ?B6nXZziXH6

**LOAD CASE(S)** Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-60, 4-5=-60, 5-8=-60, 1-8=-20

Concentrated Loads (lb)

Vert: 13=-1890(B) 12=-975(B) 9=-1032(B) 16=-978(B) 17=-1032(B) 18=-1032(B) 19=-1032(B)

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ENGINEERING BY  
**TRENCO**  
 A MiTek Affiliate

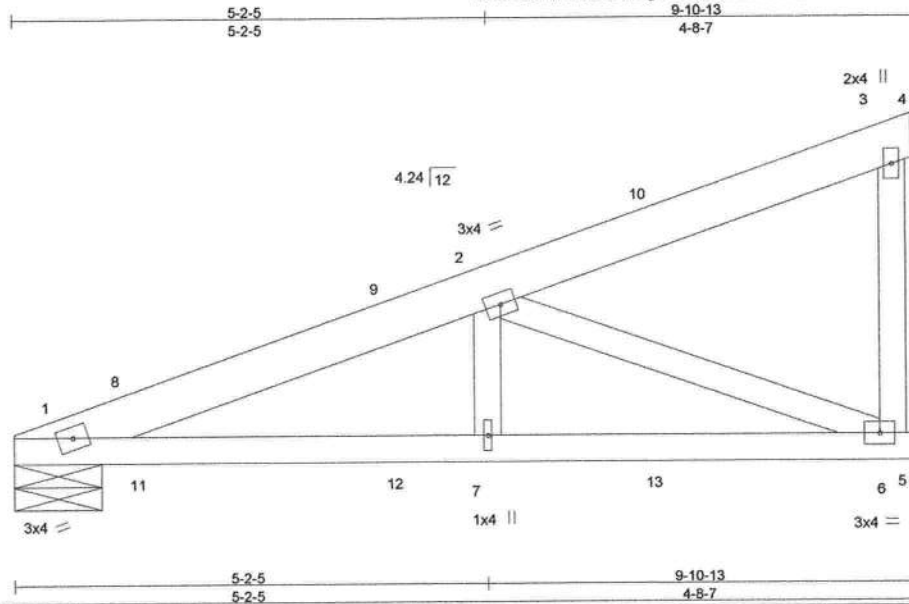
818 Soundside Road  
 Edenton, NC 27932

Job RSNTHOMPSON	Truss CJ09	Truss Type MONO TRUSS	Qty 3	Ply 1	THOMPSON ADDITION	E5960577
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SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL

7.250 s Jan 28 2011 MiTek Industries, Inc. Tue Feb 22 17:33:27 2011 Page 1

ID: Bc6QzAP6WdkDdn9gxv9XDzziXH6-Bc6QzAP6WdkDdn9gxv9XDzKTnhhvAsQ?B6nXZziXH6



Scale = 1:24.6

<b>LOADING</b> (psf)	<b>SPACING</b> 2-0-0	<b>CSI</b>	<b>DEFL</b> in (loc)	<b>l/defl</b>	<b>L/d</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	Plates Increase 1.25	TC 0.31	Vert(LL) -0.03 6-7	>999	240	MT20	244/190
TCDL 10.0	Lumber Increase 1.25	BC 0.36	Vert(TL) -0.07 6-7	>999	180		
BCLL 0.0 *	Rep Stress Incr NO	WB 0.19	Horz(TL) 0.01 5	n/a	n/a		
BCDL 10.0	Code FBC2007/TPI2002	(Matrix)				Weight: 52 lb	FT = 15%

**LUMBER**  
 TOP CHORD 2 X 6 SYP No.2  
 BOT CHORD 2 X 4 SYP No.2  
 WEBS 2 X 4 SYP No.2

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

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 1=141/0-11-9 (min. 0-1-8), 5=362/Mechanical  
 Max Horz 1=110(LC 3)  
 Max Uplift 1=-158(LC 3), 5=-95(LC 3)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-8=-484/119, 8-9=-541/73, 2-9=-498/96, 2-10=-80/0, 3-10=-34/12, 3-4=-2/0, 3-6=-132/52  
 BOT CHORD 1-11=-168/473, 11-12=-168/473, 7-12=-168/473, 7-13=-168/473, 6-13=-168/473, 5-6=0/0  
 WEBS 2-7=0/298, 2-6=-476/178

- NOTES**
- 1) Wind: ASCE 7-05; 110mph (3-second gust); TCCL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
  - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 4) Refer to girder(s) for truss to truss connections.
  - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 158 lb uplift at joint 1 and 95 lb uplift at joint 5.
  - 6) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
  - 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 110 lb up at 1-5-4, 110 lb up at 1-5-4, 10 lb down and 37 lb up at 4-3-4, 10 lb down and 37 lb up at 4-3-4, and 5 lb down and 24 lb up at 7-1-3, and 5 lb down and 24 lb up at 7-1-3 on top chord, and 21 lb up at 1-5-4, 21 lb up at 1-5-4, 13 lb down at 4-3-4, 13 lb down at 4-3-4, and 53 lb down at 7-1-3, and 53 lb down at 7-1-3 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
  - 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

**LOAD CASE(S)** Standard  
 1) Regular: Lumber Increase=1.25, Plate Increase=1.25  
 Uniform Loads (plf)  
 Vert: 1-3=-60, 3-4=-20, 1-5=-20

Continued on page 2



FL Cert. #7239

February 23, 2011

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ENGINEERING BY  
**TRENCO**  
 A MiTek Affiliate

818 Soundside Road  
 Edenton, NC 27932

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818 Soundside Road  
Edenton, NC 27932

**LOAD CASE(S)** Standard Concentrated Loads (lb)  
Vert: 8=220(F=110, B=110) 9=74(F=37, B=37) 10=10(F=5, B=5) 11=21(F=10, B=10) 12=13(F=7, B=7) 13=53(F=27, B=27)

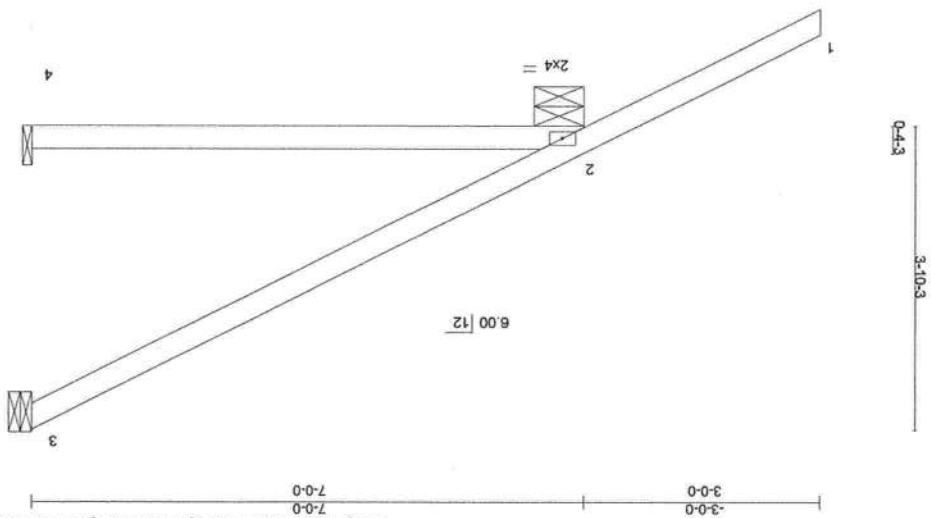
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7 250 s Jan 28 2011 Mittek Industries, Inc. Tue Feb 22 17:33:27 2011 Page 2

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL

Job	Truss	Truss Type	Qty	Ply	Job Reference (optional)
RSNTHOMPSON	CJ09	MONO TRUSS	3		
					THOMPSON ADDITION
					E5960577

Job	Truss Type	Qty	Ply	Job Reference (optional)
RSNTHOMPSON	EJ7	JACK	15	1
THOMPSON ADDITION				
E5960578				

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL  
 7 250 s Jan 28 2011 MITEK Industries, Inc. Tue Feb 22 17:33:28 2011 Page 1  
 ID:fgobW0kGx4fWkUcgmlAzIXH5-fogobW0kGx4fWkUcgmlAzIXH5ZDrsk37zIXH5



LOADING (psf)	SPACING	CS1	DEFL	Vert(LL)	Vert(TL)	Horz(TL)	Weight: 27 lb	FT = 15%
20.0	2.0-0	0.61	in (loc)	-0.10	-0.25	-0.00	MT20	
10.0	Plates Increase	1.25	2.4	>788	2.4	>315	GRIP	244/190
0.0 *	Lumber Increase	1.25	n/a	n/a	n/a	n/a	PLATES	
10.0	Rep Stress Incr	YES	n/a	n/a	n/a	n/a		
BCDL 10.0	Code FBC2007/TP12002	WB 0.00						

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

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

Mitek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 3=146/Mechanical, 2=512/0-7-10 (min. 0-1-8), 4=66/Mechanical

Max Horz 2=185(LC 5)  
 Max Uplift 3=-54(LC 5), 2=-185(LC 5)  
 Max Grav 3=146(LC 1), 2=512(LC 1), 4=132(LC 2)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/80, 2-3=-116/50  
 BOT CHORD 2-4=0/0

**NOTES**  
 (1) Wind: ASCE 7-05; 110mph (3-second gust); TC DL=6.0psf; BC DL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise);  
 Lumber DOL=1.60 plate gnp DOL=1.60  
 (2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.  
 (3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.  
 (4) Refer to girder(s) for truss to truss connections.  
 (5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 54 lb uplift at joint 3 and 185 lb uplift at joint 2.  
 (6) Semi-rigid pitchbreaks with fixed heels" Member and fixty model was used in the analysis and design of this truss.

**LOAD CASE(S)** Standard

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGES PRI-7478 rev. 10-08 BEFORE USE.**  
 Design valid for use only with Mitek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Aditional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSII/PTI Quality Criteria, D58-08 and BCSI Building Component Safety Information available from Truss Plate Institute, 281 N. Lee Street, Suite 312, Alexandria, VA 22314.



818 Soundside Road  
 Edenton, NC 27932

FL Cert. #7239

February 23, 2011

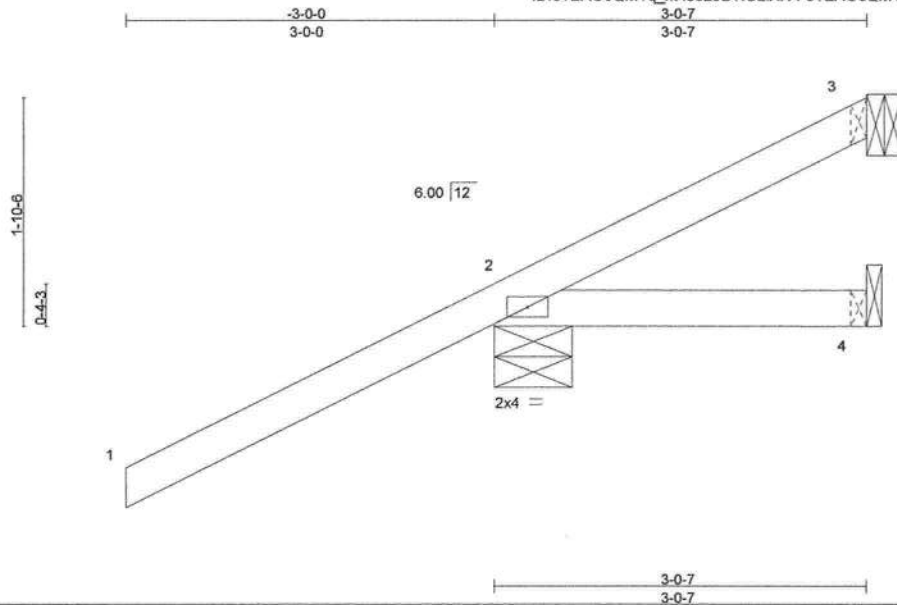




Job RSNTHOMPSON	Truss J03	Truss Type JACK	Qty 6	Ply 1	THOMPSON ADDITION E5960580
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SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL

7.250 s Jan 28 2011 MiTek Industries, Inc. Tue Feb 22 17:33:29 2011 Page 1  
ID:8?EAOsQM1q\_xt4J32JB7iOziXH4-8?EAOsQM1q\_xt4J32JB7iOQkcWRIN6LjSVbubRziXH4



Scale = 1:18.3

<b>LOADING (psf)</b>	<b>SPACING</b> 2-0-0	<b>CSI</b>	<b>DEFL</b> in (loc) l/defl L/d	<b>PLATES</b> <b>GRIP</b>
TCLL 20.0	Plates Increase 1.25	TC 0.61	Vert(LL) -0.00 2-4 >999 240	MT20 244/190
TCDL 10.0	Lumber Increase 1.25	BC 0.07	Vert(TL) -0.01 2-4 >999 180	
BCLL 0.0 *	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00 3 n/a n/a	
BCDL 10.0	Code FBC2007/TPI2002	(Matrix)		Weight: 15 lb FT = 15%

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

**BRACING**  
TOP CHORD Structural wood sheathing directly applied or 3-0-7 oc purlins.  
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS (lb/size)** 3=-51/Mechanical, 2=431/0-7-10 (min. 0-1-8), 4=27/Mechanical  
Max Horz 2=122(LC 5)  
Max Uplift 3=-51(LC 1), 2=-235(LC 5)  
Max Grav 3=64(LC 5), 2=431(LC 1), 4=53(LC 2)

**FORCES (lb) - Maximum Compression/Maximum Tension**  
TOP CHORD 1-2=0/80, 2-3=-103/30  
BOT CHORD 2-4=0/0

**NOTES**

- 1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
- 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 4) Refer to girder(s) for truss to truss connections.
- 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 51 lb uplift at joint 3 and 235 lb uplift at joint 2.
- 6) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

**LOAD CASE(S)** Standard



FL Cert. #7239

February 23, 2011

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10-08 BEFORE USE.**  
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 281 N. Lee Street, Suite 312, Alexandria, VA 22314.

ENGINEERING BY  
**TRENCO**  
A MiTek Affiliate

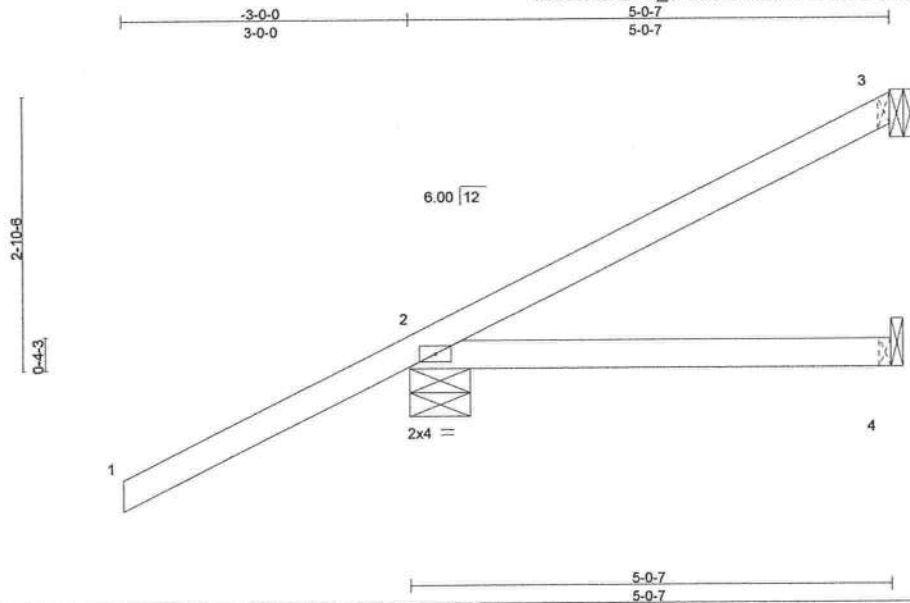
818 Soundside Road  
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	THOMPSON ADDITION	E5960581
RSNTHOMPSON	J05	JACK	6	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL

7.250 s Jan 28 2011 MiTek Industries, Inc. Tue Feb 22 17:33:29 2011 Page 1

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Scale = 1:23.5

<b>LOADING</b> (psf)	<b>SPACING</b>	<b>CSI</b>	<b>DEFL</b>	<b>PLATES</b>	<b>GRIP</b>
TCLL 20.0	2-0-0	TC 0.61	in (loc) l/defl L/d	MT20	244/190
TCDL 10.0	Plates Increase 1.25	BC 0.21	Vert(LL) -0.02 2-4 >999 240		
BCLL 0.0 *	Lumber Increase 1.25	WB 0.00	Vert(TL) -0.06 2-4 >906 180		
BCDL 10.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.00 3 n/a n/a		
	Code FBC2007/TPI2002			Weight: 21 lb	FT = 15%

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

**BRACING**  
 TOP CHORD  
 BOT CHORD

Structural wood sheathing directly applied or 5-0-7 oc purlins.  
 Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.

**REACTIONS** (lb/size) 3=65/Mechanical, 2=455/0-7-10 (min. 0-1-8), 4=47/Mechanical  
 Max Horz 2=154(LC 5)  
 Max Uplift 3=-32(LC 4), 2=-196(LC 5)  
 Max Grav 3=65(LC 1), 2=455(LC 1), 4=93(LC 2)

**FORCES** (lb) - Maximum Compression/Maximum Tension  
 TOP CHORD 1-2=0/80, 2-3=-100/18  
 BOT CHORD 2-4=0/0

- NOTES**
- 1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
  - 2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
  - 3) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
  - 4) Refer to girder(s) for truss to truss connections.
  - 5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint 3 and 196 lb uplift at joint 2.
  - 6) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

**LOAD CASE(S)** Standard



FL Cert. #7239

February 23, 2011

**WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MI-7473 rev. 10-'08 BEFORE USE.**

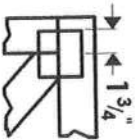
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult **ANSI/TPI1 Quality Criteria, D58-89 and BCSI Building Component Safety Information** available from Truss Plate Institute, 281 N. Lee Street, Suite 312, Alexandria, VA 22314.

ENGINEERING BY  
**TRENCO**  
 A MiTek Affiliate

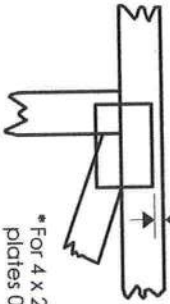
818 Soundside Road  
 Edenton, NC 27932

# Symbols

## PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in fractions-sixteenths. Apply plates to both sides of truss and fully embed teeth.



\*For 4 x 2 orientation, locate plates 0- $\frac{1}{8}$ " from outside edge of truss.



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

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

## PLATE SIZE

4 X 4

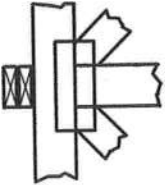
The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

## LATERAL BRACING LOCATION



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

## BEARING

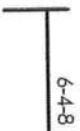


Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur.

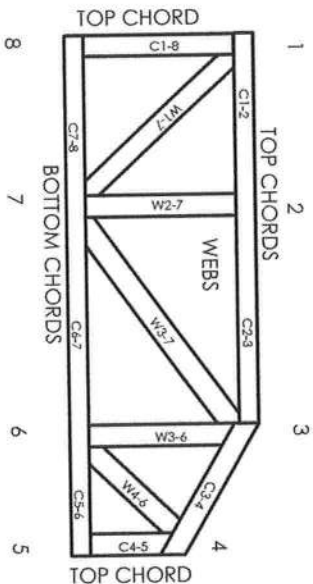
## Industry Standards:

ANSI/FP11: National Design Specification for Metal Plate Connected Wood Truss Construction.  
DSB-89: Design Standard for Bracing.  
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

# Numbering System



dimensions shown in fractions-sixteenths (Drawings not to scale)



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

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

## PRODUCT CODE APPROVALS

ICC-ES Reports:

ESR-1311, ESR-1352, ER-5243, 9604B  
9730, 95-43, 96-31, 9667A  
NER-487, NER-561  
95110, 84-32, 96-67, ER-3907, 9432A

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# General Safety Notes

**Failure to Follow Could Cause Property Damage or Personal Injury**

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T, I, or Eliminator bracing should be considered.
3. Never exceed the design loading shown and never stock materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/FP 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/FP 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with the retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purfins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/FP 1 Quality Criteria.



Mitek Engineering Reference Sheet: ML-7473 rev. 10-08

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

## Florida Department of Community Affairs Residential Performance Method A

Project Name: thompson res  
 Street:  
 City, State, Zip: , fl ,  
 Owner:  
 Design Location: FL, Gainesville

Builder Name: rosenboom  
 Permit Office:  
 Permit Number:  
 Jurisdiction:

1. New construction or existing	New (From Plans)	
2. Single family or multiple family	Single-family	
3. Number of units, if multiple family	1	
4. Number of Bedrooms	2	
5. Is this a worst case?	Yes	
6. Conditioned floor area (ft <sup>2</sup> )	1306	
7. Windows(180.0 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.34	180.00 ft <sup>2</sup>
	SHGC: SHGC=0.47	
b. U-Factor:	N/A	ft <sup>2</sup>
	SHGC:	
c. U-Factor:	N/A	ft <sup>2</sup>
	SHGC:	
d. U-Factor:	N/A	ft <sup>2</sup>
	SHGC:	
e. U-Factor:	N/A	ft <sup>2</sup>
	SHGC:	
8. Floor Types (1306.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1306.00 ft <sup>2</sup>
b. N/A	R=	ft <sup>2</sup>
c. N/A	R=	ft <sup>2</sup>

9. Wall Types (1056.0 sqft.)	Insulation	Area
a. Concrete Block - Int Insul, Exterior	R=10.0	1056.00 ft <sup>2</sup>
b. N/A	R=	ft <sup>2</sup>
c. N/A	R=	ft <sup>2</sup>
d. N/A	R=	ft <sup>2</sup>
10. Ceiling Types (1351.0 sqft.)	Insulation	Area
a. Under Attic (Vented)	R=30.0	1306.00 ft <sup>2</sup>
b. Knee Wall (Vented)	R=19.0	45.00 ft <sup>2</sup>
c. N/A	R=	ft <sup>2</sup>
11. Ducts		
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6,	122 ft <sup>2</sup>	
12. Cooling systems		
a. Central Unit	Cap: 30.0 kBtu/hr	SEER: 13
13. Heating systems		
a. Electric Heat Pump	Cap: 30.0 kBtu/hr	HSPF: 7.7
14. Hot water systems		
a. Natural Gas	Cap: 1 gallons	EF: 0.8
b. Conservation features	None	
15. Credits	CF, Pstat	

Glass/Floor Area: 0.138

Total As-Built Modified Loads: 20.02  
 Total Baseline Loads: 29.40

**PASS**

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

PREPARED BY: Dennis Gueling  
 DATE: 2-25-11

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: \_\_\_\_\_

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with N1110.A.3.



### PROJECT

Title: thompson res	Bedrooms: 2	Address Type: Street Address
Building Type: FLAsBuilt	Conditioned Area: 1306	Lot #
Owner:	Total Stories: 1	Block/SubDivision:
# of Units: 1	Worst Case: Yes	PlatBook:
Builder Name: rosenboom	Rotate Angle: 135	Street:
Permit Office:	Cross Ventilation:	County: alachua
Jurisdiction:	Whole House Fan:	City, State, Zip: , fl ,
Family Type: Single-family		
New/Existing: New (From Plans)		
Comment:		

### CLIMATE

	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
✓	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	75	70	1305.5	51	Medium

### FLOORS

	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
✓	1	Slab-On-Grade Edge Insulatio	133 ft	0	1306 ft <sup>2</sup>	0	1	0

### ROOF

	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
✓	1	Hip	Composition shingles	1415 ft <sup>2</sup>	0 ft <sup>2</sup>	Medium	0.96	No	0	22.6 deg

### ATTIC

	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
✓	1	Full attic	Vented	300	1306 ft <sup>2</sup>	N	N

### CEILING

	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
✓	1	Under Attic (Vented)	30	1306 ft <sup>2</sup>	0.11	Wood
✓	2	Knee Wall (Vented)	19	45 ft <sup>2</sup>	0.11	Wood

### WALLS

	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
✓	1	N=>SE	Exterior	Concrete Block - Int Insul	10	352 ft <sup>2</sup>		0	0.75
✓	2	S=>NW	Exterior	Concrete Block - Int Insul	10	352 ft <sup>2</sup>		0	0.75
✓	3	E=>SW	Exterior	Concrete Block - Int Insul	10	352 ft <sup>2</sup>		0	0.75

### DOORS

	#	Ornt	Door Type	Storms	U-Value	Area
✓	1	N=>SE	Insulated	None	0.460000	21 ft²

### WINDOWS

Orientation shown is the entered orientation (=>) changed to Worst Case.

	#	Ornt	Frame	Panels	NFRC	U-Factor	SHGC	Storms	Area	Overhang		Int Shade	Screening
										Depth	Separation		
✓	1	N=>SE	Metal	Low-E Double	Yes	0.34	0.47	N	30 ft²	2 ft 0 in	0 ft 0 in	HERS 2006	None
✓	2	S=>NW	Metal	Low-E Double	Yes	0.34	0.47	N	60 ft²	2 ft 0 in	0 ft 0 in	HERS 2006	None
✓	3	E=>SW	Metal	Low-E Double	Yes	0.34	0.47	N	90 ft²	2 ft 0 in	0 ft 0 in	HERS 2006	None

### INFILTRATION & VENTING

	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ----		Run Time	Fan
							Supply CFM	Exhaust CFM	Fraction	Watts
✓	Default	0.00036	1233	7.08	67.7	127.3	0 cfm	0 cfm	0	0

### COOLING SYSTEM

	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ducts
✓	1	Central Unit	None	SEER: 13	30 kBtu/hr	900 cfm	0.75	sys#0

### HEATING SYSTEM

	#	System Type	Subtype	Efficiency	Capacity	Ducts
✓	1	Electric Heat Pump	None	HSPF: 7.7	30 kBtu/hr	sys#0

### HOT WATER SYSTEM

	#	System Type	EF	Cap	Use	SetPnt	Conservation
✓	1	Natural Gas	0.8	1 gal	50 gal	120 deg	None

### SOLAR HOT WATER SYSTEM

	FSEC	Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
✓		None	None			ft²		

### DUCTS

	#	---- Supply ----			---- Return ----		Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
		Location	R-Value	Area	Location	Area						
✓	1	Attic	6	122 ft²	Attic	65.3 ft²	Default Leakage	Interior	(Default)	(Default) %		

## TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

Cooling	<input checked="" type="checkbox"/>	Jan	<input checked="" type="checkbox"/>	Feb	<input checked="" type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input checked="" type="checkbox"/>	May	<input checked="" type="checkbox"/>	Jun	<input checked="" type="checkbox"/>	Jul	<input checked="" type="checkbox"/>	Aug	<input checked="" type="checkbox"/>	Sep	<input checked="" type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec	<input checked="" type="checkbox"/>
Heating	<input checked="" type="checkbox"/>	Jan	<input checked="" type="checkbox"/>	Feb	<input checked="" type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input checked="" type="checkbox"/>	May	<input checked="" type="checkbox"/>	Jun	<input checked="" type="checkbox"/>	Jul	<input checked="" type="checkbox"/>	Aug	<input checked="" type="checkbox"/>	Sep	<input checked="" type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec	<input checked="" type="checkbox"/>
Venting	<input checked="" type="checkbox"/>	Jan	<input checked="" type="checkbox"/>	Feb	<input checked="" type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input checked="" type="checkbox"/>	May	<input checked="" type="checkbox"/>	Jun	<input checked="" type="checkbox"/>	Jul	<input checked="" type="checkbox"/>	Aug	<input checked="" type="checkbox"/>	Sep	<input checked="" type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec	<input checked="" type="checkbox"/>

Thermostat Schedule: HERS 2006 Reference

Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

## Code Compliance Checklist

### Residential Whole Building Performance Method A - Details

ADDRESS:

, fl,

PERMIT #:

**INFILTRATION REDUCTION COMPLIANCE CHECKLIST**

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.1.2	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	N1106.AB.1.2	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	N1106.AB.1.2	Between walls & ceilings; penetrations of ceiling plane to 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	N1106.AB.1.2	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 with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

**OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)**

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N1112.ABC.3 Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	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%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	



**Project Information**

For: SCOTT ROSENBOOM CONSTRUCTION INC.

Notes:



**Design Information**

Weather: Gainesville, FL, US

**Winter Design Conditions**

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

**Summer Design Conditions**

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

**Heating Summary**

Structure 12734 Btuh  
Ducts 4956 Btuh  
Central vent (0 cfm) 0 Btuh  
Humidification 0 Btuh  
Piping 0 Btuh  
Equipment load 17690 Btuh

**Sensible Cooling Equipment Load Sizing**

Structure 14320 Btuh  
Ducts 6240 Btuh  
Central vent (0 cfm) 0 Btuh  
Blower 0 Btuh  
Use manufacturer's data n  
Rate/swing multiplier 0.97  
Equipment sensible load 19943 Btuh

**Infiltration**

Method Simplified  
Construction quality Average  
Fireplaces 0

**Latent Cooling Equipment Load Sizing**

Structure 2596 Btuh  
Ducts 1395 Btuh  
Central vent (0 cfm) 0 Btuh  
Equipment latent load 3992 Btuh  
Equipment total load 23935 Btuh  
Req. total capacity at 0.70 SHR 2.4 ton

	Heating	Cooling
Area (ft <sup>2</sup> )	1333	1333
Volume (ft <sup>3</sup> )	13330	13330
Air changes/hour	0.45	0.23
Equiv. AVF (cfm)	100	51

**Heating Equipment Summary**

Make AMERICAN STANDARD  
Trade  
Model A4A6B3030A1000B  
ARI ref no. 3263161  
Efficiency 7.7 HSPF  
Heating input  
Heating output 26800 Btuh @ 47°F  
Temperature rise 24 °F  
Actual air flow 1000 cfm  
Air flow factor 0.057 cfm/Btuh  
Static pressure 0 in H2O  
Space thermostat

**Cooling Equipment Summary**

Make AMERICAN STANDARD  
Trade  
Cond A4A6B3030A1000B  
Coil A4TGB3F30A1000A  
ARI ref no. 3263161  
Efficiency 13 SEER  
Sensible cooling 21140 Btuh  
Latent cooling 9060 Btuh  
Total cooling 30200 Btuh  
Actual air flow 1000 cfm  
Air flow factor 0.049 cfm/Btuh  
Static pressure 0 in H2O  
Load sensible heat ratio 0.84

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**Project Information**

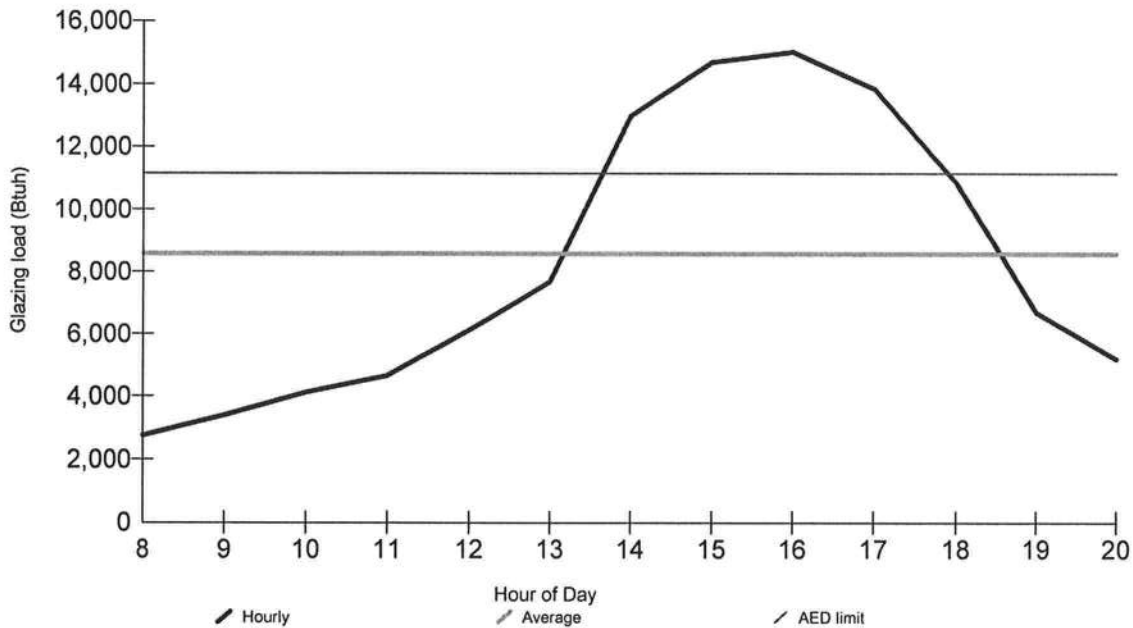
For: SCOTT ROSENBOOM CONSTRUCTION INC.

**Design Conditions**

<b>Location:</b> Gainesville, FL, US Elevation: 151 ft Latitude: 30°N			<b>Indoor:</b> Indoor temperature (°F) Design TD (°F) Relative humidity (%) Moisture difference (gr/lb)	<b>Heating</b> 70 37 50 32.8	<b>Cooling</b> 75 17 50 52.0
<b>Outdoor:</b> Dry bulb (°F) Daily range (°F) Wet bulb (°F) Wind speed (mph)	<b>Heating</b> 33 - - 15.0	<b>Cooling</b> 92 19 ( M ) 77 7.5	<b>Infiltration:</b>		

**Test for Adequate Exposure Diversity**

**Hourly Glazing Load**



**Maximum hourly glazing load exceeds average by 75.3%.**

**House does not have adequate exposure diversity (AED), based on AED limit of 30%.**

**AED excursion: 3879 Btuh (PFG - 1.3\*AFG)**

13815 NW 39TH AVE, GAINESVILLE, FL 32606 Phone: 352-332-1508 Fax: 352-332-1501

1		Room name		Entire House		MASTER SUITE 1								
2		Exposed wall		10.0 ft		18.0 ft								
3		Ceiling height		131.0 ft		18.0 ft								
4		Room dimensions		d		heat/cool								
5		Room area		1333.0 ft <sup>2</sup>		342.0 ft <sup>2</sup>								
	Ty	Construction number	U-value (Btuh/ft <sup>2</sup> -°F)	Or	HTM (Btuh/ft <sup>2</sup> )		Area (ft <sup>2</sup> ) or perimeter (ft)		Load (Btuh)		Area (ft <sup>2</sup> ) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	13AB-0ocs	0.258	sw	9.55	5.17	0	-180	-1718	-931	0	-30	-286	-155
.	G	1D-c2ob	0.650	sw	24.05	42.65	54	0	1299	2303	30	0	721	1279
.	G	1D-c2ob	0.650	sw	24.05	42.65	126	0	3030	5374	0	0	0	0
.	C	16B-38ad	0.026	-	0.96	1.37	1333	1333	1282	1825	342	342	329	468
11	F	22A-tpi	0.989	-	36.59	0.00	1333	131	4794	0	342	18	659	0
6	c) AED excursion									3879				655
	Envelope loss/gain								8687	12450			1423	2247
12	a) Infiltration								4047	950			663	177
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			4			920	2			460
			Appliances/other							0				0
	Subtotal (lines 6 to 13)								12734	14320			2086	2884
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								12734	14320			2086	2884
15	Duct loads								39%	44%			812	1257
	Total room load								17690	20560			2897	4140
	Air required (cfm)								1000	1000			164	201

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13815 NW 39TH AVE, GAINESVILLE, FL 32606 Phone: 352-332-1508 Fax: 352-332-1501

1 Room name		MASTER 1 WIC						A/C CLOSET						
2 Exposed wall		5.0 ft						0 ft						
3 Ceiling height		10.0 ft						10.0 ft						
4 Room dimensions		5.0 x 11.0 ft						5.0 x 8.0 ft						
5 Room area		55.0 ft²						40.0 ft²						
	Ty	Construction number	U-value (Btuh/ft²·°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	13AB-0ocs	0.258	sw	9.55	5.17	0	0	0	0	0	0	0	0
	G	1D-c2ob	0.650	sw	24.05	42.65	0	0	0	0	0	0	0	0
	G	1D-c2ob	0.650	sw	24.05	42.65	0	0	0	0	0	0	0	0
	C	16B-38ad	0.026	-	0.96	1.37	55	55	53	75	40	40	38	55
11	F	22A-tpl	0.989	-	36.59	0.00	55	5	183	0	40	0	0	0
6	c) AED excursion								0					0
	Envelope loss/gain								236	75			38	55
12	a) Infiltration								110	8			18	6
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			0			0	0			0
			Appliances/other							0				0
	Subtotal (lines 6 to 13)								346	84			56	61
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								346	84			56	61
15	Duct loads						39%	44%	135	36	39%	44%	22	27
	Total room load								480	120			78	87
	Air required (cfm)								27	6			4	4

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13815 NW 39TH AVE, GAINESVILLE, FL 32606 Phone: 352-332-1508 Fax: 352-332-1501

1 Room name		MASTER SUITE 2						MASTER BATH 2							
2 Exposed wall		10.0 ft 48.0 ft heat/cool						10.0 ft 31.0 ft heat/cool							
3 Ceiling height		21.0 x 18.0 ft						21.0 x 11.0 ft							
4 Room dimensions		378.0 ft <sup>2</sup>						231.0 ft <sup>2</sup>							
5 Room area															
	Ty	Construction number	U-value (Btuh/ft <sup>2</sup> -°F)	Or	HTM (Btuh/ft <sup>2</sup> )		Area (ft <sup>2</sup> ) or perimeter (ft)		Load (Btuh)		Area (ft <sup>2</sup> ) or perimeter (ft)		Load (Btuh)		
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool	
6	W	13AB-0ocs	0.258	sw	9.55	5.17	0	-72	-687	-372	0	-24	-229	-124	
.	G	1D-c2ob	0.650	sw	24.05	42.65	0	0	0	0	24	0	577	1024	
.	G	1D-c2ob	0.650	sw	24.05	42.65	72	0	1732	3071	0	0	0	0	
.	C	16B-38ad	0.026	-	0.96	1.37	378	378	364	517	231	231	222	316	
11	F	22A-tpl	0.989	-	36.59	0.00	378	48	1756	0	231	31	1134	0	
6	c) AED excursion								1543					524	
	Envelope loss/gain								3164	4759			1705	1739	
12	a) Infiltration								1474	357			794	135	
	b) Room ventilation								0	0			0	0	
13	Internal gains:		Occupants @	230			2			460	0			0	
			Appliances/other							0				0	
	Subtotal (lines 6 to 13)								4639	5576			2499	1874	
	Less external load								0	0			0	0	
	Less transfer								0	0			0	0	
	Redistribution								0	0			0	0	
14	Subtotal								4639	5576			2499	1874	
15	Duct loads							39%	44%	1806	2430	39%	44%	973	817
	Total room load								6444	8005			3472	2691	
	Air required (cfm)								364	389			196	131	

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13815 NW 39TH AVE, GAINESVILLE, FL 32606 Phone: 352-332-1508 Fax: 352-332-1501

1 Room name				MASTER BDRM 2WIC				GALLERY						
2 Exposed wall				10.0 ft 6.0 ft heat/cool				10.0 ft 23.0 ft heat/cool						
3 Ceiling height				21.0 x 6.0 ft				23.0 x 7.0 ft						
4 Room dimensions				126.0 ft <sup>2</sup>				161.0 ft <sup>2</sup>						
5 Room area														
6	Ty	Construction number	U-value (Btuh/ft <sup>2</sup> -°F)	Or	HTM (Btuh/ft <sup>2</sup> )		Area (ft <sup>2</sup> ) or perimeter (ft)		Load (Btuh)		Area (ft <sup>2</sup> ) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	13AB-0occs	0.258	sw	9.55	5.17	0	0	0	0	0	-54	-515	-279
	G	1D-c2ob	0.650	sw	24.05	42.65	0	0	0	0	0	0	0	0
	G	1D-c2ob	0.650	sw	24.05	42.65	0	0	0	0	54	0	1299	2303
	C	16B-38ad	0.026	-	0.96	1.37	126	126	121	172	161	161	155	220
11	F	22A-tpl	0.989	-	36.59	0.00	126	6	220	0	161	23	842	0
6	c) AED excursion								0					1158
	Envelope loss/gain								341	172			1780	3402
12	a) Infiltration								159	19			829	249
	b) Room ventilation								0	0			0	0
13	Internal gains:		Occupants @	230			0			0	0			0
			Appliances/other							0				0
	Subtotal (lines 6 to 13)								500	192			2609	3650
14	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
	Subtotal								500	192			2609	3650
15	Duct loads						39%	44%	194	83	39%	44%	1015	1591
	Total room load								694	275			3624	5241
	Air required (cfm)								39	13			205	255

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# Certificate of Product Ratings

AHRI Certified Reference Number: 3263161

Date: 2/24/2011

Product: Split System: Heat Pump with Remote Outdoor Unit-Air-Source

Outdoor Unit Model Number: 4A6B3030A1

Indoor Unit Model Number: 4TGB3F30A1

Manufacturer: AMERICAN STANDARD, INC.

Trade/Brand name: AMERICAN STANDARD 13

Manufacturer responsible for the rating of this system combination is AMERICAN STANDARD, INC.

Rated as follows in accordance with AHRI Standard 210/240-2008 for Unitary Air-Conditioning and Air-Source Heat Pump Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (Btuh):	30200
EER Rating (Cooling):	11.00
SEER Rating (Cooling):	13.00
Heating Capacity(Btuh) @ 47 F:	26800
Region IV HSPF Rating (Heating):	7.70
Heating Capacity(Btuh) @ 17 F:	15600



\* Ratings followed by an asterisk (\*) indicate a voluntary rerate of previously published data, unless accompanied with a WAS, which indicates an involuntary rerate.

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#### CERTIFICATE VERIFICATION

The information for the model cited on this certificate can be verified at [www.ahrirectory.org](http://www.ahrirectory.org), click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed below.



Air-Conditioning, Heating,  
and Refrigeration Institute

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CERTIFICATE NO.: 129430299888212082

**BK: "SITE PLAN" (NOT VERY LEGIBLE)**  
**THESE ARE THE EXACT MEASUREMENTS**

# BOUNDARY SURVEY

IN SECTIONS 7 AND 8, TOWNSHIP 07, SOUTH RANGE 17 EAST  
 COLUMBIA COUNTY, FLORIDA  
 FOR: RONNIE S AND BRONTE K KLEN

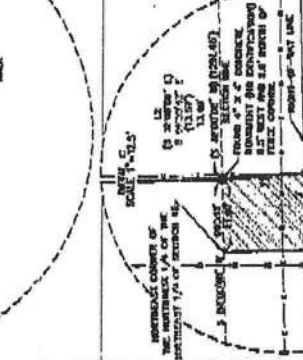
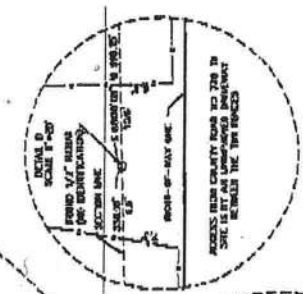
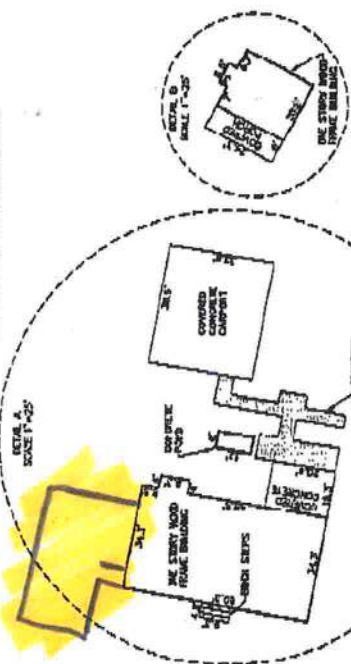
SCOTT L HAZEN  
 545 PARCEL NO. 07-17-17-0000-000  
 OFFICIAL RECORD BOOK 820, PAGE 1187.

FRANK C. K. CONCRETE  
 1000 W. 11th ST. SUITE 100  
 GAITHERSBURG, MD 20878

CAROL M HAZEN  
 TAX PARCEL NO. 07-17-17-0000-000

FRANK C. K. CONCRETE  
 1000 W. 11th ST. SUITE 100  
 GAITHERSBURG, MD 20878

DAVID LAMBERT & SONS  
 1211 N. W. 11th ST. SUITE 100  
 MIAMI, FL 33136

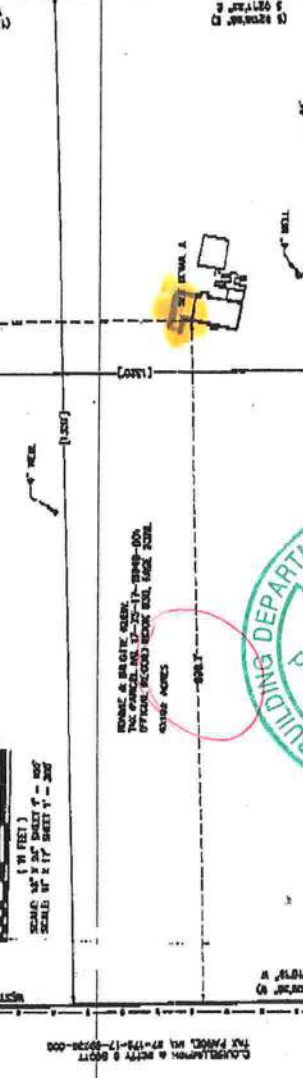
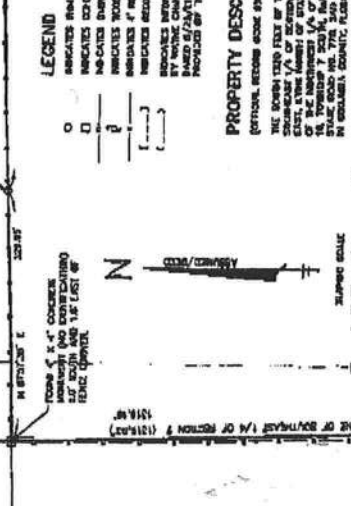


**FLOOD NOTE**  
 ACCORDING TO THE FLOOD HAZARD MAP NUMBER 130000000A OF THE FLORIDA DEPARTMENT OF NATURAL RESOURCES, THE SUBJECT PROPERTY IS LOCATED WITHIN A FLOOD HAZARD ZONE. THE SUBJECT PROPERTY IS LOCATED WITHIN A FLOOD HAZARD ZONE. THE SUBJECT PROPERTY IS LOCATED WITHIN A FLOOD HAZARD ZONE.

**SURVEYOR'S NOTES**  
 1. ALL MEASUREMENTS ARE REFERENCED TO THE ASSUMED SURFACE OF THE EARTH.  
 2. ALL MEASUREMENTS ARE REFERENCED TO THE ASSUMED SURFACE OF THE EARTH.  
 3. ALL MEASUREMENTS ARE REFERENCED TO THE ASSUMED SURFACE OF THE EARTH.

**LEGEND**  
 [Symbol] CONCRETE FOUNDATION  
 [Symbol] METAL PIPE  
 [Symbol] FIELD FENCE  
 [Symbol] PROPERTY LINE

**PROPERTY DESCRIPTION**  
 THE NORTH 1/2 OF THE WEST 1/2 OF SECTION 7, TOWNSHIP 07, SOUTH RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, BEING THE SAME AS SHOWN ON THE PLAT OF THE BOUNDARY SURVEY OF THE NORTHWEST 1/4 OF SECTION 7, TOWNSHIP 07, SOUTH RANGE 17 EAST, AND NORTH 1/2 OF SECTION 8, TOWNSHIP 07, SOUTH RANGE 17 EAST, SHOWED AND BEING IN COLUMBIA COUNTY, FLORIDA.



**CEASED BY:**  
 FRANK C. K. CONCRETE  
 1000 W. 11th ST. SUITE 100  
 GAITHERSBURG, MD 20878

**EDGAR SURVEYING, INC., LA 7002**

**APPROXIMATE LOCATION OF THE EAST LINE OF THE NORTHWEST 1/4 OF SECTION 7**  
**APPROXIMATE LOCATION OF THE EAST LINE OF SECTION 8**

**APPROXIMATE LOCATION OF THE EAST LINE OF SECTION 7**  
**APPROXIMATE LOCATION OF THE EAST LINE OF SECTION 8**

**GEOLINE SURVEYING, INC.**  
 Professional Land Surveyors  
 14300 NW 10th Avenue, Suite 4  
 Miramar, FL 33181  
 (305) 666-1111  
 www.geoline-surveying.com

**KLEIN PROPERTY**  
 COLUMBIA COUNTY, FLORIDA

DATE: 11-1-2007  
 BY: ROBERT S. BORG  
 CHECKED BY: [Signature]  
 SCALE: AS SHOWN

DAVID LAMBERT & SONS  
 1211 N. W. 11th ST. SUITE 100  
 MIAMI, FL 33136

FRANK C. K. CONCRETE  
 1000 W. 11th ST. SUITE 100  
 GAITHERSBURG, MD 20878

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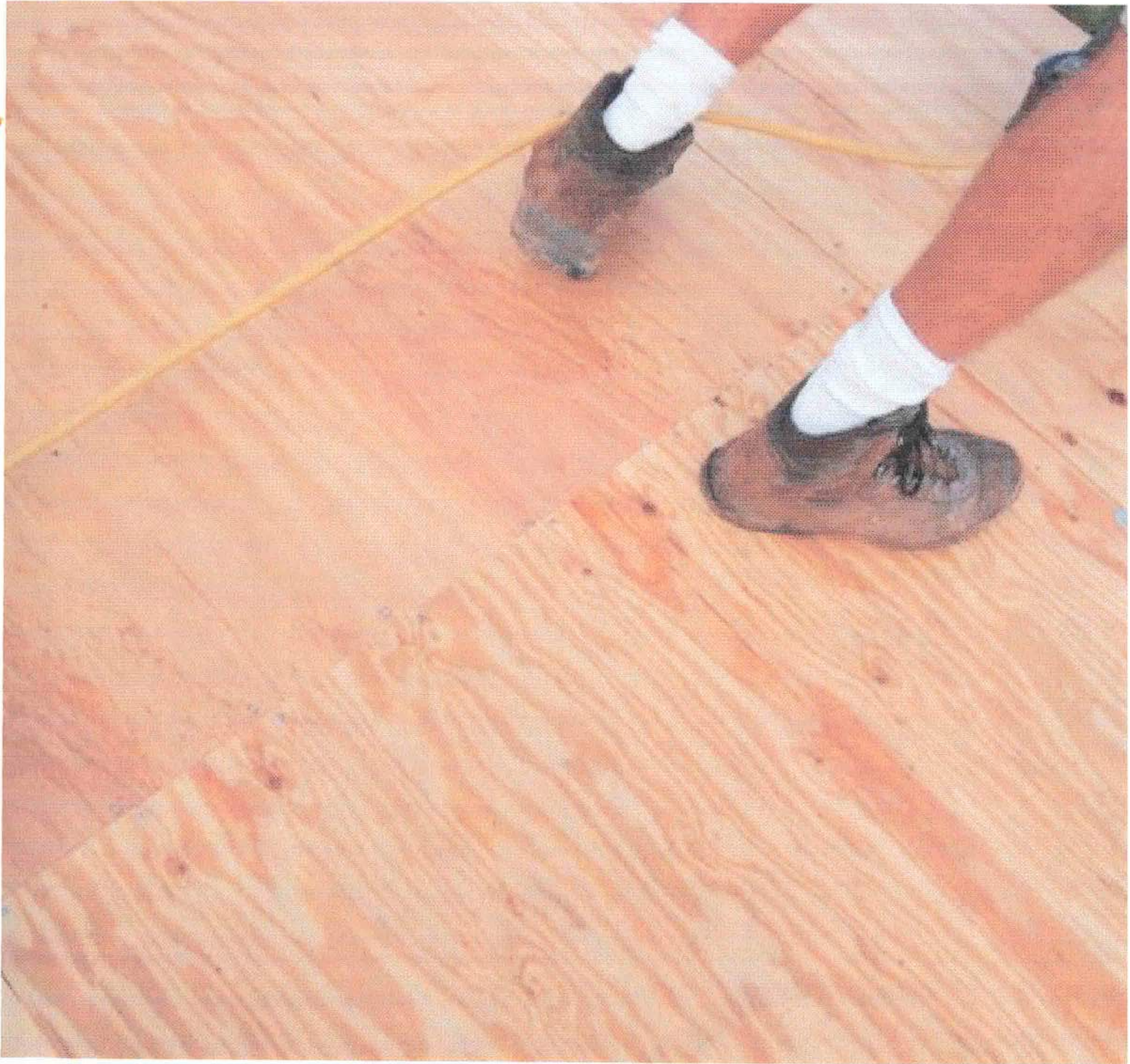






21 1 14

#29271





**COLUMBIA COUNTY BUILDING DEPARTMENT  
RESIDENTIAL CHECK LIST REQUIREMENTS**

6-25-09

**MINIMUM PLAN REQUIREMENTS FOR THE  
FLORIDA BUILDING CODE RESIDENTIAL 2007 EFFECTIVE 1 MARCH 2009 & 2009  
SUPPLEMENTS EFFECTIVE 1 MARCH 2009, ONE (1) AND TWO (2) FAMILY DWELLINGS  
with Supplements and Revision, OF THE NATIONAL ELECTRICAL 2008**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

**ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007 FLORIDA BUILDING CODES RESIDENTIAL EFFECTIVE 1 MARCH 2009 & 2009 SUPPLEMENTS EFFECTIVE 1 MARCH 2009. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.**

**FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind speed map) SHALL BE USED.**

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

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

<b>GENERAL REQUIREMENTS: APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL</b>	Items to Include- Each Box shall be Circled as Applicable
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		Yes	No	N/A			
1	Two (2) complete sets of plans containing the following:	✓					
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void	✓					
3	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="width: 150px;">Condition space (Sq. Ft.)</td> <td>EX 2060 PROPOSED 1306</td> <td>Total (Sq. Ft.) under roof</td> </tr> </table>	Condition space (Sq. Ft.)	EX 2060 PROPOSED 1306	Total (Sq. Ft.) under roof	IIIIIIII	IIIIIIII	IIII
Condition space (Sq. Ft.)	EX 2060 PROPOSED 1306	Total (Sq. Ft.) under roof					

*NEW TOTAL 3366*

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

**Site Plan information including:**

4	Dimensions of lot or parcel of land	✓		
5	Dimensions of all building set backs	✓		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	✓		
7	Provide a full legal description of property.	✓		

**Wind-load Engineering Summary, calculations and any details required**

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	IIIII	IIII	IIIII
		YES	NO	N/A
9	Basic wind speed (3-second gust), miles per hour	✓		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	✓		
11	Wind importance factor and nature of occupancy	✓		
12	The applicable internal pressure coefficient, Components and Cladding	✓		
13	The design wind pressure in terms of psf (kN/m <sup>2</sup> ), to be used for the design of exterior component, cladding materials not specifically designed by the registered design professional.	✓		

**Elevations Drawing including:**

14	All side views of the structure	✓		
15	Roof pitch	✓		
16	Overhang dimensions and detail with attic ventilation	✓		
17	Location, size and height above roof of chimneys	NA		
18	Location and size of skylights with Florida Product Approval	NA		
18	Number of stories	1 ✓		
20A	Building height from the established grade to the roofs highest peak	✓		

**Floor Plan including:**

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	✓		
21	Raised floor surfaces located more than 30 inches above the floor or grade	NA		
22	All exterior and interior shear walls indicated	✓		
23	Shear wall opening shown (Windows, Doors and Garage doors)	✓		
24	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBCR 613.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.	✓		
25	Safety glazing of glass where needed	✓		
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FBCR)	NA		
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	NA		
28	Identify accessibility of bathroom (see FBCR SECTION 322) <i>EXISTING BATH</i>	✓		

**All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans (see Florida product approval form)**

<b>GENERAL REQUIREMENTS:</b> <b>APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL</b>	Items to Include- Each Box shall be Circled as Applicable
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**FBCR 403: Foundation Plans**

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓	✓	
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.		✓	
32	Assumed load-bearing value of soil <u>1000</u> Pound Per Square Foot			
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type) <b>For</b> structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	✓		

**FBCR 506: CONCRETE SLAB ON GRADE**

34	Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	✓		
35	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	✓	✓	

**FBCR 320: PROTECTION AGAINST TERMITES**

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or. Sub mit other approved termite protection methods. <b>Protection shall be provided by registered termiticides</b>	✓		
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**FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)**

37	Show all materials making up walls, wall height, and Block size, mortar type	✓		
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement <u>PRE FAB LINTLES</u>	✓		

**Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect**

**Floor Framing System: First and/or second story**

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer		✓	
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers		✓	
41	Girder type, size and spacing to load bearing walls, stem wall and/or piers		✓	
42	Attachment of joist to girder		✓	
43	Wind load requirements where applicable		✓	
44	Show required under-floor crawl space		✓	

45	Show required amount of ventilation opening for under-floor spaces		/	
46	Show required covering of ventilation opening		/	
47	Show the required access opening to access to under-floor spaces		/	
48	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & interior of the areas structural panel sheathing		/	
49	Show Draftstopping, Fire caulking and Fire blocking		/	
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309		/	
51	Provide live and dead load rating of floor framing systems (psf).		/	

**FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION**

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls <i>NONE</i>		/	
53	Fastener schedule for structural members per table FBCR 602.3 are to be shown	/		
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing <i>SEE ENCL SPECS</i>	/		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	/		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCR Table 502.5 (1)		/	
57	Indicate where pressure treated wood will be placed			
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	/		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail <i>NONE</i>		/	

**FBCR :ROOF SYSTEMS:**

60	Truss design drawing shall meet section FBCR 802.10 Wood trusses	/		
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	/		
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	/		
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details		/	
64	Provide dead load rating of trusses	/		

**FBCR 802:Conventional Roof Framing Layout**

65	Rafter and ridge beams sizes, span, species and spacing		/	
66	Connectors to wall assemblies' include assemblies' resistance to uplift rating		/	
67	Valley framing and support details		/	
68	Provide dead load rating of rafter system		/	

**FBCR Table 602,3(2) & FBCR 803 ROOF SHEATHING**

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	<input checked="" type="checkbox"/>		
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	<input checked="" type="checkbox"/>		

**FBCR ROOF ASSEMBLIES FRC Chapter 9**

71	Include all materials which will make up the roof assembles covering	<input checked="" type="checkbox"/>		
72	Submit Florida Product Approval numbers for each component of the roof assembles covering	<input checked="" type="checkbox"/>		

**FBCR Chapter 11 Energy Efficiency Code for residential building**

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter 11 Residential buildings compliance methods. **Two of the required forms are to be submitted, N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.**

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
73	Show the insulation R value for the following areas of the structure	<input checked="" type="checkbox"/>		
74	Attic space	<input checked="" type="checkbox"/>		
75	Exterior wall cavity	<input checked="" type="checkbox"/>		
76	Crawl space		<input checked="" type="checkbox"/>	

**HVAC information**

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	<input checked="" type="checkbox"/>		
78	Exhaust fans shown in bathrooms <b>Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required</b>	<input checked="" type="checkbox"/>		
79	Show clothes dryer route and total run of exhaust duct		<input checked="" type="checkbox"/>	

**Plumbing Fixture layout shown**

80	All fixtures waste water lines shall be shown on the foundation plan	<input checked="" type="checkbox"/>		
81	Show the location of water heater <i>EXISTING</i>		<input checked="" type="checkbox"/>	

**Private Potable Water**

82	Pump motor horse power <i>EXISTING</i>			
83	Reservoir pressure tank gallon capacity			
84	Rating of cycle stop valve if used			

**Electrical layout shown including**

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	<input checked="" type="checkbox"/>		
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by <b>Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A</b>	<input checked="" type="checkbox"/>		
87	Show the location of smoke detectors & Carbon monoxide detectors	<input checked="" type="checkbox"/>	Ⓞ Combo ALL	
88	Show service panel, sub-panel, location(s) and total ampere ratings	<input checked="" type="checkbox"/>		
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.  <b>For structures</b> with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3	<input checked="" type="checkbox"/>	THIS HOME HAS A SERVICE PANEL SEPARATE FROM HOME	
90	Appliances and HVAC equipment and disconnects	<input checked="" type="checkbox"/>		
91	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed <b>Combination arc-fault circuit interrupter</b> , Protection device.	<input checked="" type="checkbox"/>		

**Disclosure Statement for Owner Builders** *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

**Notice Of Commencement**

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

<p><b>GENERAL REQUIREMENTS:</b> APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL</p>	<p>Items to Include- Each Box shall be Circled as Applicable</p>
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**THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS**

		YES	NO	N/A
92	<b>Building Permit Application</b> A current Building Permit Application form is to be completed and submitted for all residential projects			
93	<b>Parcel Number</b> The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested			
94	<b>Environmental Health Permit or Sewer Tap Approval</b> A copy of a approved Columbia County Environmental Health (386) 758-1058			
95	<b>City of Lake City</b> A permit showing an approved waste water sewer tap			
96	<b>Toilet facilities shall be provided for all construction sites</b>			
97	<b>Town of Fort White</b> (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			

98	<b>Flood Information:</b> All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations			
99	<b>CERTIFIED FINISHED FLOOR ELEVATIONS</b> will be required on any project where the base flood elevation (100 year flood) has been established			
100	A development permit will also be required. Development permit cost is <b>\$50.00</b>			
101	<b>Driveway Connection:</b> If the property does not have an existing access to a public road, then an application for a culvert permit ( <b>\$25.00</b> ) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver ( <b>\$50.00</b> ). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.			
102	<b>911 Address:</b> If the project is located in an area where a 911 address has not been issued, then application for a 911 address must be applied for and <b>received</b> through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125			

**Section R101.2.1 of the Florida Building Code Residential:**

**The provisions of Chapter 1, Florida Building Code, Building shall govern the administration and enforcement of the Florida Building Code, Residential.**

**Section 105 of the Florida Building Code defines the:**

**Time limitation of application.**

**An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.**

**Single-family residential dwelling.**

**Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.**

**Permit intent.**

**Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.**

**If work has commenced.**

**Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.**

**New Permit.**

**Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date of issuance of the new permit.**

**Work Shall Be:**

**Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.**

**The Fee:**

**Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.**

**When the submitted application is approved for permitting the applicant will be notified by phone as to the date and time a building permit will be prepared and issued by the Columbia County Building & Zoning Department**

**Columbia County Building Permit Application**

<b>For Office Use Only</b>		Application # <u>1103-11</u>	Date Received <u>3/10</u>	By <u>JW</u>	Permit # <u>29271</u>
Zoning Official <u>BK</u>	Date <u>18.03.11</u>	Flood Zone <u>X</u>	Land Use <u>A-3</u>	Zoning <u>A-3</u>	
FEMA Map # <u>N/A</u>	Elevation <u>N/A</u>	MFE <u>N/A</u>	River <u>N/A</u>	Plans Examiner <u>I.C.</u>	Date <u>3-16-11</u>
Comments					
<input checked="" type="checkbox"/> NOC	<input checked="" type="checkbox"/> EH	<input type="checkbox"/> Deed or PA	<input type="checkbox"/> Site Plan	<input type="checkbox"/> State Road Info	<input type="checkbox"/> Well letter
<input type="checkbox"/> Dev Permit # _____	<input type="checkbox"/> In Floodway	<input type="checkbox"/> Letter of Auth. from Contractor	<input checked="" type="checkbox"/> 911 Sheet <u>ok per Ron LH (phone)</u>	<input type="checkbox"/> Parent Parcel # _____	<input type="checkbox"/> F W Comp. letter
IMPACT FEES: EMS _____		Fire _____	Corr _____	<input checked="" type="checkbox"/> Sub VF Form	
Road/Code _____	School _____	= TOTAL (Suspended) _____		<input checked="" type="checkbox"/> App Fee Paid	

Septic Permit No. 11-0115-M Addition to Existing Dwelling Fax \_\_\_\_\_

Name Authorized Person Signing Permit Scott Rosenboom Phone 352-538-3877

Address 2535 SW CR 778

Owners Name MILTON E THOMPSON Phone 305-972-4500

911 Address 2535 SW CR 778 Ft White FL 32038

Contractors Name Scott Rosenboom Phone 352-538-3877

Address 19802 NW 190th Ave High Springs FL 32643

Fee Simple Owner Name & Address \_\_\_\_\_

Bonding Co. Name & Address \_\_\_\_\_

Architect/Engineer Name & Address PP Schafer Eng 14705 MAIN ALA FL 32615

Mortgage Lenders Name & Address NA

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

Property ID Number 07-75-17-09940 Estimated Cost of Construction 130 K

Subdivision Name NA Lot \_\_\_\_\_ Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase \_\_\_\_\_

Driving Directions 441 SOUTH to 778th; 3 miles on RT.

Number of Existing Dwellings on Property 2

Construction of AW ADDITION SFD Total Acreage 40.30 Lot Size \_\_\_\_\_

Do you need a - VER SITE PLAN Have an Existing Drive Total Building Height \_\_\_\_\_

Actual Distance of Structure from Property Lines - Front 400 Side 680 Side 300 Rear 600

Number of Stories 1 Heated Floor Area 1300 Total Floor Area 1300 Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. **CODE:** Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code. Page 1 of 2 (Both Pages must be submitted together.) Revised 1-11

*JW spoke w/ Scott on 3.18.11 & on 3/23/11*

**Columbia County Building Permit Application**

**TIME LIMITATIONS OF APPLICATION :** An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

**TIME LIMITATIONS OF PERMITS:** Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

**FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment:** According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

**NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:** ***YOU ARE HEREBY NOTIFIED*** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

**WARNING TO OWNER:** YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

**OWNERS CERTIFICATION:** I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

**NOTICE TO OWNER:** There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

(Owners Must Sign All Applications Before Permit Issuance.)

*Nelson S. Thompson*  
Owners Signature

\*OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.

**CONTRACTORS AFFIDAVIT:** By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

*Scott Reenboon*  
Contractor's Signature (Permitee)

Contractor's License Number CBC 1257076  
Columbia County  
Competency Card Number \_\_\_\_\_

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 10th day of MARCH 2011.  
Personally known  or Produced Identification \_\_\_\_\_

*Laurie Hodson*  
State of Florida Notary Signature (For the Contractor)

SEAL:



FROM : ROSENBOOM INC.

PHONE NO. : 904 454 2894

Dec. 01 2010 12:14PM P1

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1103-11 CONTRACTOR Scott Rosenboom PHONE 386-538-3877
THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

Table with 4 columns: Trade, Print Name, License #, Signature, Phone #. Rows include Electrical (380), Mechanical/A/C (960), Plumbing/Gas (441), Roofing (373), Sheet Metal (1072), Fire System/Sprinkler, and Solar.

Table with 4 columns: Specialty/Trade, License Number, Sub-Contractors Name, Sub-Contractors Signature. Rows include Mason, Concrete Finisher (525), Framing (000933), Insulation, Stucco (000606), Drywall, Plaster (525), Cabinet Installer (525), Painting (525), Acoustical Ceiling, Glass, Ceramic Tile (000997), Floor Covering (000998), Alum/Vinyl Siding (1072), Garage Door, and Metal Bldg Erector.

Vertical handwritten note: David Meyer: Alum. Vinyl Siding

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

This Document Prepared By and Return to:  
Darryl J. Tompkins, Esquire  
Darryl J. Tompkins, P.A.  
14420 NW 151st Blvd.  
P.O. Box 519  
Alachua, FL 32616

Parcel ID Number: R09940-001

Inst:201012019467 Date:12/7/2010 Time:11:39 AM  
Doc Stamp-Deed:3283 00  
DC,P.DeWitt Caseon,Columbia County Page 1 of 1 B:1205 P:35

# Warranty Deed

This Indenture, Made this 1st day of December, 2010 A.D., Between  
Ronnie S. Klein and Brigitte K. Klein, husband and wife

of the County of St. Lucie, State of Florida, grantors, and  
Milton E. Thompson, Jr. and Nell Ramona Thompson, husband and wife

whose address is: 16221 E. Troon Circle, Miami Lakes, FL 33014

of the County of Miami-Dade, State of Florida, grantees.  
Witnesseth that the GRANTORS, for and in consideration of the sum of

-----TEN DOLLARS (\$10)----- DOLLARS,

and other good and valuable consideration to GRANTORS in hand paid by GRANTEEES, the receipt whereof is hereby acknowledged, have granted, bargained and sold to the said GRANTEEES and GRANTEEES' heirs, successors and assigns forever, the following described land, situate, lying and being in the County of Columbia, State of Florida to wit:

THE SOUTH 1320 FEET OF THE WEST 1320 FEET OF THE SOUTHEAST 1/4 OF SECTION 7, TOWNSHIP 7 SOUTH, RANGE 17 EAST, LYING NORTH OF STATE ROAD NO. 778, AND THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 7 SOUTH, RANGE 17 EAST, LYING NORTH OF STATE ROAD NO. 778. SAID LAND LYING, SITUATE AND BEING IN COLUMBIA COUNTY, FLORIDA.

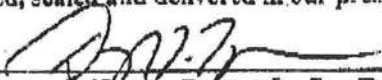
### SUBJECT TO THE FOLLOWING:

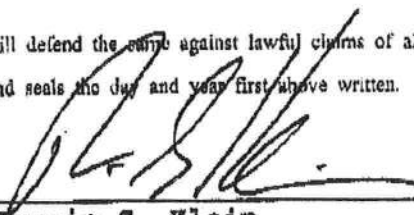
- A. Zoning restrictions, prohibitions and other requirements imposed by governmental authority;
- B. Restrictions and matters appearing on the plat and/or common to the subdivision;
- C. Taxes for the year 2011 and subsequent years.


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

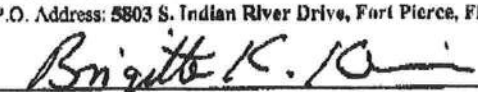
In Witness Whereof, the grantors have herunto set their hands and seals the day and year first above written.

Signed, sealed and delivered in our presence:

  
Printed Name: Darryl J. Tompkins

  
Ronnie S. Klein (Seal)  
P.O. Address: 5803 S. Indian River Drive, Fort Pierce, FL 34982

Witness  
  
Printed Name: Sandra E. Howe

  
Brigitte K. Klein (Seal)

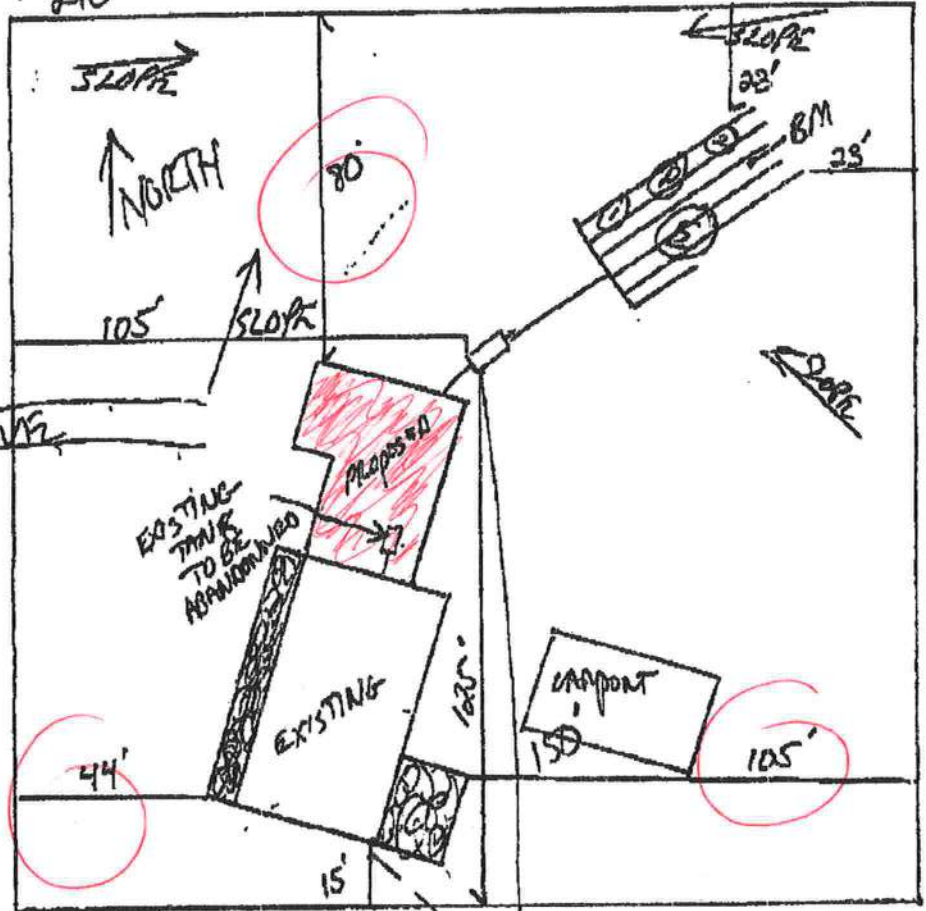
STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 11-0115M

*Thompson* PART II - SITEPLAN

Scale: 1 Inch = 40 feet.

SEE ATTACHED



Notes:

Site Plan submitted by: *Rodney D. F...*  
 Plan Approved: *[Signature]* Not Approved  
 By: *Sally Ford, Env. Health Director*  
 MASTER CONTRACTOR: *Columbia City*  
 Date: *3-8-11*  
 County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

03-06-11;05:28PM;

A&B

;386 758-2187

# 1 / 3



STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
ONSITE SEWAGE TREATMENT AND DISPOSAL  
SYSTEM  
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. \_\_\_\_\_  
DATE PAID: 3/7/11  
FEE PAID: 205.00  
RECEIPT #: 1570557

APPLICATION FOR:

- New System
- Existing System
- Holding Tank
- Repair
- Abandonment
- Temporary
- Innovative MODIFICATION

APPLICANT: Milton Thompson

AGENT: ROCKY FORD, A & B CONSTRUCTION

TELEPHONE: 386-497-2311

MAILING ADDRESS: P.O. BOX 39 FT. WHITE, FL, 32038

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(a) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: na BLOCK: na SUB: na PLATTED: \_\_\_\_\_

PROPERTY ID #: 7-7E-17-09940-001 ZONING: Ag I/M OR EQUIVALENT: [ Y /  ]

PROPERTY SIZE: 40.3 ACRES WATER SUPPLY: [  PRIVATE PUBLIC [ ] <2000GPD [ ] >2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [ Y /  ] DISTANCE TO SEWER: \_\_\_\_\_ FT

PROPERTY ADDRESS: 2535 SW CR 778, Fort White, FL, 32038

DIRECTIONS TO PROPERTY: 47 South, TL on US 27, TL on CR 778, 1.2 miles to address left, follow drive back to house

BUILDING INFORMATION

RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	SF Residential	4	5800	ADDING 1306 SQ TO
2				EXISTING 2494 SQ
3				

Floor/Equipment Drains  Other (Specify) \_\_\_\_\_

SIGNATURE: Rocky D Ford DATE: 3/3/2011

DH 4015, 08/09 (Obsoletes previous editions which may not be used)  
Incorporated 64E-6.001, FAC

NOTICE OF COMMENCEMENT

Inst. 201112004803 Date: 3/30/2011 Time: 3:47 PM  
DC, P. DeWitt Cason, Columbia County Page 1 of 1 B: 1212 P: 654

A RECORDED COPY MUST BE POSTED ON THE JOB SITE AT TIME OF FIRST INSPECTION

PERMIT NO. 29271 TAX FOLIO NO. 7-75-17-09940-001

STATE OF FLORIDA  
COUNTY OF DADE

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

1. Legal description of property and street address: 2535 SW CR 778 FT WHITE FLA.

2. Description of improvement: ADDITION TO A HOME

3. Owner (s) name and address: Milton E. Thompson  
16221 E. TROON Circle MIAMI LAKES, FL. 33014

Interest in property: Owner

Name and address of fee simple titleholder:

4. Contractor's name and address: Scott Rosenboom 19802 NW 190TH AVE  
High Springs FL 32643

5. Surety: (Payment bond required by owner from contractor, if any)

Name and address:

Amount of bond: \$ NA

6. Lender's name and address:

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13 (1) (a) 7., Florida Statutes:

Name and address:

8. In addition to himself, Owner designates the following person (s) to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b) 7., Florida Statutes:

Name and address: NA

Name and address:

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

Signature of Owner Milton E. Thompson  
Print Owner's Name Milton E. Thompson

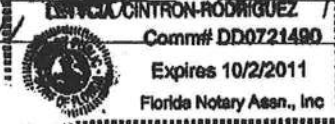
Prepared by: Milton E. Thompson

Sworn to and subscribed before me this 10 day of 3, 20 11

Notary Public [Signature]  
Print Notary's Name De Lycca Cintron-Rodriguez

Address: 675 Ali Baba Ave  
DPA LOCKA, FL 33054

My Commission Expires: 10/02/11



# GERBANYNICK DEN CALVNEY

## 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 07-7S-17-09940-001

Building permit No. 000029271

Use Classification ADDITION TO SFD

Fire: 0.00

Permit Holder SCOTT ROSENBOOM

Waste: \_\_\_\_\_

Owner of Building MILTON E THOMPSON

Total: 0.00

Location: 2535 SW CR 778, FT, WHITE, FL 32038

Date: 08/19/2011



Building Inspector



POST IN A CONSPICUOUS PLACE  
(Business Places Only)

# 29271

## FIELD DENSITY WORKSHEET

CLIENT Rosenbaum DATE 4.4-11  
 PROJECT NO. \_\_\_\_\_  
 PROJECT NAME Thompson Res. 2535 SW CR 773 PERMIT NO. \_\_\_\_\_  
 EARTH CONTRACTOR \_\_\_\_\_ TESTED BY J.H.  
 COMPACTION REQUIREMENT (%) 95  Standard Proctor  Modified Proctor \_\_\_\_\_ FIELD CONTACT \_\_\_\_\_  
 TOTAL ON-SITE TIME \_\_\_\_\_ MILES FROM OFFICE \_\_\_\_\_  
 Limerock  Subgrade  Pipe Backfill  Building Pad  Building Footing  Other \_\_\_\_\_

TEST LOCATION	LAB PROCTOR		TEST DEPTH	PROBE DEPTH	% MOIST.	WET DENSITY (PCF)	DRY DENSITY (PCF)	% COMP.
	DENS.	OMC						
ctr of N <sup>1</sup> / <sub>2</sub> of W. Fly	107.1	10.9	12"	F/G	5.7	110.2	104.3	97.4
ctr of W <sup>1</sup> / <sub>2</sub> of N. Fly	↓	↓	↓	↓	4.7	109.1	104.2	97.3
ctr of E <sup>1</sup> / <sub>2</sub> of N. Fly	↓	↓	↓	↓	4.6	109.8	105.0	98.0
ctr of N <sup>1</sup> / <sub>2</sub> of E. Fly					4.3	109.2	104.7	97.8

REMARKS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\* Density failed to meet minimum project requirement  
 \*\* Retest indicates minimum density requirement was obtained.  
 ( ) Client is aware of unsatisfactory test results.

# NOTICE OF INSPECTION AND/OR TREATMENT

2535 SW CR 77B  
Address

Date of Inspection

4/13/11

Date of Treatment - Full  Spot

Aggressor 20590  
Pesticide Used

Sub-Termite

Wood-Destroying Organisms Treated

It is a violation of Florida State Law (Chap. 482-226)  
for anyone other than the property owner  
to remove this notice. 29271

- Lawn Spraying
- Household Pest Control #
- Tree & Shrub Spraying
- Termite Control



**Pest Control, Inc.**  
13618 NW 270th Ave.  
Alachua, FL 32615

Call: **386-418-4387**