DATE 10/27/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027450

APPLICANT JERRY CUNNINGHAM PHONE 813 690-2523

ADDRESS 11505 MELLOW CREEK LANE RIVERVEW FL 33569

OWNER JERRY CUNNINGHAM PHONE 813 690-2523

ADDRESS 529 HAMMOCK HILL CIRCLE LAKE CITY FL 32024

CONTRACTOR OWNER BUILDER PHONE

LOCATION OF PROPERTY 441S, TR ON HAMMOCK HILL CIRCLE, BACK OF CIRCLE, THROUGH GATE 1/8 OF A MILE

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 148900.00

HEATED FLOOR AREA 2128.00 TOTAL AREA 2978.00 HEIGHT 17.80 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 5/12 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. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 16-6S-17-09710-000 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 28.00

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
EXISTING	08-0670	BK	

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

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD

Check # or Cash 2064

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

Rough-in plumbing above slab and below wood floor _____ date/app. by

Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by

Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by

Pool _____ date/app. by

Reconnection _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H Pole _____ date/app. by

Travel Trailer _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 745.00 CERTIFICATION FEE $ 14.89 SURCHARGE FEE $ 14.89

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** 849.78

INSPECTORS OFFICE L. H. CLERKS OFFICE CH

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

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

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 TO BE IN ACTIVE PROGESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 05-61
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Property Appraiser's
Identification Number R09710-000

Inst:2005002669 Date:02/04/2005 Time:12:56
Doc Stamp-Deed : 581.00
MK DC,P.DeWitt Cason,Columbia County B:1037 P:676

WARRANTY DEED

THIS INDENTURE, made this 26th day of January, 2005, BETWEEN RICHARD MOORE and SABRINA MOORE, Husband and Wife whose post office address is 781 Metalski Road, Gaylord, MI 49735, of the State of Michigan, grantor*, and JERRY E. CUNNINGHAM and BELINDA CUNNINGHAM, Husband and Wife whose post office address is 11505 Mellow Creek Lane, Riverview, FL 33569, of the State of Florida, grantee*.

WITNESSETH: that said grantor, for and in consideration of the sum of Ten Dollars ($10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

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

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

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand and seal the day and year first above written.

Inst:2005002669 Date:02/04/2005 Time:12:56
Doc Stamp-Deed : 581.00
DC,P.DeWitt Cason,Columbia County B:1037 P:677

Signed, sealed and delivered
in our presence:

(Signature of First Witness)
STEPHEN P. ALLEN
(Typed Name of First Witness)

(SEAL)
Grantor
RICHARD MOORE
Printed Name

(Signature of Second Witness)
Paula Melton
(Typed Name of Second Witness)

(SEAL)
Grantor
SABRINA MOORE
Printed Name

STATE OF Michigan
COUNTY OF OTSEGO

The foregoing instrument was acknowledged before me this 26th day of January, 2005, by RICHARD MOORE and SABRINA MOORE, Husband and Wife who are personally known to me or who have produced N/A as identification and who did not take an oath.

My Commission Expires:

Notary Public
Printed, typed, or stamped name:

CYNTHIA G. FITZGERALD
NOTARY PUBLIC
OTSEGO COUNTY, MI

CYNTHIA G. FITZGERALD
Notary Public, Otsego County, MI
My Commission Expires Mar 19, 2008

EXHIBIT "A"

ALL OF THE FOLLOWING LYING AND BEING IN TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA:

Section 21: The Northeast Quarter of the Northeast Quarter (NE 1/4 of NE 1/4). (40± acres)

Section 22: The Northwest Quarter of the Northwest Quarter (NW 1/4 of NW 1/4) and the South Half of the Northeast Quarter of the Northwest Quarter (S 1/2 of NE 1/4 of NW 1/4) West of State Road No. 2 and begin at a point located at the Northwest corner of the Southwest Quarter of the Northwest Quarter (SW 1/4 of NW 1/4) of Section 22, run thence South 285 feet, thence run East to a point 420 feet West of a road, thence run North 210 feet, thence run East to a road, thence run North to the Quarter Section Line and thence run West to the point of beginning, LESS four (4) acres conveyed to Jasper L. Rowe and more particularly described in the Deed recorded in Official Records Book 5, at page 241. (49± acres), and

LESS AND EXCEPT the Pine Oak Hammock subdivision more particularly described as:
A portion of the Northeast 1/4 of the Northeast 1/4 of Section 21 TOGETHER WITH a portion of Section 22, all being in Township 6 South, Range 17 East, Columbia County, Florida and being more particularly described as follows: Begin at the Northwest corner of the Southwest 1/4 of the Northwest 1/4 of said Section 22; thence South 01°45'29" East along the West line of the Southwest 1/4 of the Northwest 1/4, a distance of 285.00 feet; thence North 88°06'25" East, parallel to the North line of the Southwest 1/4 of the Northwest 1/4 of said Section 22, a distance of 1040.10 feet to a point, 420.00 feet Westerly of, as measured along the Easterly prolongation of the last said line from the Westerly right-of-way line of State Road No. 25 (U. S. Highway 41 and 441, as per S.R.D. Right-of-Way Map Section 2903-204, dated January 13, 1958); thence North 01°45'29" West, 210.00 feet; thence North 88°06'26" East parallel to the North line of the Southwest 1/4 of the Northwest 1/4 of said Section 22, a distance of 15.03 feet to an intersection with the Westerly line of the apparent location of those lands described and recorded in Deed Book 5, page 251 of the Public Records of said Columbia County; thence North 08°34'43" East along last said line, 382.32 feet to the Northerly line of the apparent location of said lands described and recorded in Deed Book 5, page 251; thence South 86°58'23" East along last said line, 437.89 feet to the Westerly right-of-way line of aforesaid State Road No. 25; thence North 08°34'17" East along said Westerly right-of-way line of State Road No. 25, a distance of 407.24 feet to the North line of the South 1/2 of the Northeast 1/4 of the Northwest 1/4 of said Section 22; thence South 88°08'10" West, 303.53 feet to the East line of the Northwest 1/4 of the Northwest 1/4 of said Section 22; thence North 01°40'33" West along last said line, 664.03 feet, to the North line of said Section 22; thence South 88°09'54" West along last said line, 1310 feet, more or less, to its intersection with the centerline of Hammock Branch (a 10 foot wide, more or less, creek); thence Southerly along said centerline run 2090 feet, more or less to its intersection with the South line of the Northeast 1/4 of the Northeast 1/4 of said Section 21; thence North 88°17'02" East along last said line, 462 feet, more or less, to the POINT OF BEGINNING.

Inst:2005002669 Date:02/04/2005 Time:12:56
Doc Stamp-Deed : 581.00
DC,P.DeWitt Cason,Columbia County B:1037 P:678

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0810-21 Date Received 10/10 By JW Permit # 27450

Application Approved by - Zoning Official BLK Date 24.10.08 Plans Examiner HO Date 10-24-08

Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments

☑ Env Health ☑ Site Plan ☐ NOC ☑ Well Report

Rec'd

Applicants Name Jerry Cunningham Phone 813·690.2523

Address 11505 Mellow Creek Lane, Riverview Fl 33569

Owners Name Jerry Cunningham Phone 813·690.2523

911 Address 529 SW Hammock Hill Cir Lake City FL 32024

Contractors Name Same as above Phone

Address

Fee Simple Owner Name & Address —

Bonding Co. Name & Address —

Architect/Engineer Name & Address C.K Contracting Inc. Bruce Schafer, PE

Mortgage Lenders Name & Address CASH

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

Property ID Number 21-6S-17-09710-000 Estimated Cost of Construction 165000.00

Subdivision Name Lot Block Unit Phase

Driving Directions US 441-S TO Hammock Hill Cir, TR. continue 1/8 of a mile to the L

Type of Construction Single Family Dwelling Number of Existing Dwellings on Property 0

Total Acreage 28 Lot Size Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive)

Actual Distance of Structure from Property Lines - Front 600' Side 500' Side 700' Rear 250'

Total Building Height 17' 8" Number of Stories 1 Heated Floor Area 2128 Roof Pitch 5 12

TOTAL 2,978

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

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

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

[signature]

Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF ~~COLUMBIA~~ Hillsborough

Sworn to (or affirmed) and subscribed before me

this 15 day of September 2008

Personally known ____ or Produced Identification ____

MALIN ESQUERRE Notary Public - State of Florida My Commission Expires Sep 16, 20[illegible] Commission # DD 689541 Bonded Through National Notary Assn.

Contractor Signature

Contractors License Number

Competency Card Number

NOTARY STAMP/SEAL

[signature]

Notary Signature For Jerry Cunningham

Ti called 10.24.08 left message $449.[illegible]

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.

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 COMMENCMENT 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 hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

Jerry E Cunningham

Owners Signature

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.

Contractor's Signature (Permitee)

Contractor's License Number_____
Columbia County
Competency Card Number_____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this ____ day of _____ 20___.

Personally known_____ or Produced Identification_____

SEAL:

State of Florida Notary Signature (For the Contractor)

27450

SCHAFER ENGINEERING, LLC

7104 NW 42ND LANE GAINESVILLE FL 32606 PH: 386-462-1340 – 352-375-6329

October 28, 2008

Job: Cunningham Residence

Re: Garage door header strapping

Dear Sir:

Install Simpson LSTA24 on each end of the garage door opening attaching the header to the jack studs. Install HTT22 for attachment of the jack studs to the foundation.

If you have any questions or if we can be any further assistance, please feel free to contact us at your convenience.

10-28-08

Bruce Schafer, P.E. #48984
7104 N. W. 42nd Lane
Gainesville, Florida 32606

ENGINEERING BY TRENCO
A MiTek Affiliate

27450
Corrected Truss Plans

RE: CUNRES -

Trenco
818 Soundside Rd
Edenton, NC 27932

Site Information:
Project Customer: JERRY CUNNINGHAM Project Name: CUNNINGHAM RES
Lot/Block: 0 Subdivision: HAMMOCK HILL
Address:
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: FBC2004/TPI2002 Design Program: MiTek 20/20 7.0
Wind Code: ASCE 7-02 Wind Speed: 110 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 45 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 16G15-23.003 of the Florida Board of Professionals Rules

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	E5145988	A1	12/10/08	18	E5146005	A7	12/10/08
2	E5145989	A10	12/10/08	19	E5146006	A8	12/10/08
3	E5145990	A11	12/10/08	20	E5146007	A9	12/10/08
4	E5145991	A12	12/10/08	21	E5146008	B	12/10/08
5	E5145992	A13	12/10/08	22	E5146009	B1	12/10/08
6	E5145993	A14	12/10/08	23	E5146010	B2	12/10/08
7	E5145994	A15	12/10/08	24	E5146011	B3	12/10/08
8	E5145995	A16	12/10/08	25	E5146012	BET	12/10/08
9	E5145996	A17	12/10/08	26	E5146013	C	12/10/08
10	E5145997	A18	12/10/08	27	E5146014	C1	12/10/08
11	E5145998	A19	12/10/08	28	E5146015	C2	12/10/08
12	E5145999	A2	12/10/08	29	E5146016	CJ01	12/10/08
13	E5146000	A20	12/10/08	30	E5146017	CJ09	12/10/08
14	E5146001	A3	12/10/08	31	E5146018	D	12/10/08
15	E5146002	A4	12/10/08	32	E5146019	DET	12/10/08
16	E5146003	A5	12/10/08	33	E5146020	EET	12/10/08
17	E5146004	A6	12/10/08	34	E5146021	EGT	12/10/08

The truss drawing(s) referenced above have been prepared by TRENCO 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, 2009.

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.

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008
Strzyzewski, Marvin

RE: CUNRES -

Site Information:

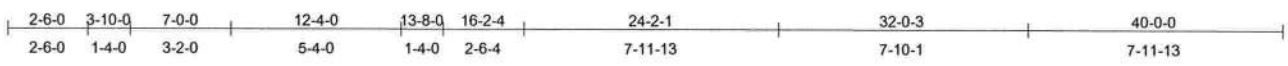
Project Customer: JERRY CUNNINGHAM Project Name: CUNNINGHAM RES
Lot/Block: 0 Subdivision: HAMMOCK HILL
Address:
City: FT WHITE State: FL

No.	Seal#	Truss Name	Date
35	E5146022	EJ7	12/10/08
36	E5146023	EJ7A	12/10/08
37	E5146024	J01	12/10/08
38	E5146025	J01A	12/10/08
39	E5146026	J01B	12/10/08
40	E5146027	J07	12/10/08
41	E5146028	J07A	12/10/08
42	E5146029	J07B	12/10/08
43	E5146030	J1	12/10/08
44	E5146031	J3	12/10/08
45	E5146032	J5	12/10/08

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A1	ROOF TRUSS	1	1	E5145988

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:21 2008 Page 1



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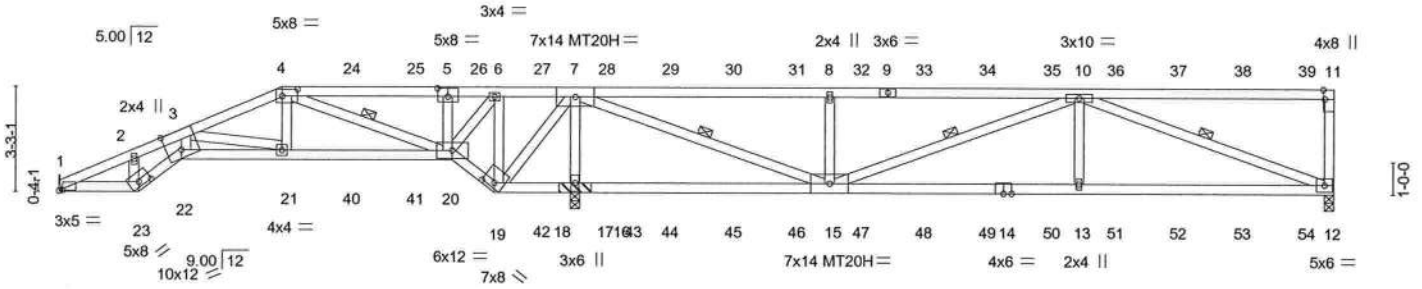

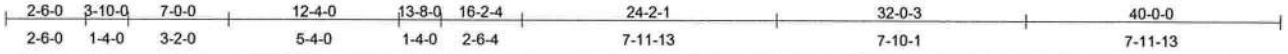

Plate Offsets (X,Y): [1:0-1-6,0-0-2], [4:0-5-12,0-2-8], [5:0-4-0,0-3-0], [11:0-3-8,Edge], [19:0-4-8,0-1-12], [22:0-5-8,0-7-0], [23:0-4-8,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.99	Vert(LL)	-0.16	13-15	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.98	Vert(TL)	-0.51	13-15	>559	180	MT20H	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.91	Horz(TL)	0.17	12	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 206 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2 *Except*
5-9: 2 X 4 SYP 2400F 2.0E
BOT CHORD 2 X 4 SYP No.2 *Except*
14-19,12-14: 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3 *Except*
11-12: 2 X 4 SYP No.2D, 7-15: 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-1-3 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-0-9 oc bracing.
WEBS 1 Row at midpt 4-20, 7-15, 10-15, 10-12

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

REACTIONS (lb/size) 1=528/Mechanical, 12=1561/0-3-8, 17=4427/0-4-8 (0-3-8 + bearing block)
Max Horz 1=95(LC 5)
Max Uplift1=-63(LC 5), 12=-430(LC 3), 17=-984(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1502/201, 2-3=-1551/234, 3-4=-1076/152, 4-24=-304/1397, 24-25=-304/1397, 5-25=-304/1397, 5-26=-304/1397, 6-26=-304/1397, 6-27=-392/1939, 7-27=-392/1939, 7-28=-1557/551, 28-29=-1557/551, 29-30=-1557/551, 30-31=-1557/551, 8-31=-1557/551, 8-32=-1557/551, 9-32=-1557/551, 9-33=-1557/551, 33-34=-1557/551, 34-35=-1557/551, 10-35=-1557/551, 10-36=-268/70, 36-37=-268/70, 37-38=-268/70, 38-39=-268/70, 11-39=-268/70, 11-12=-480/203

BOT CHORD 1-23=-262/1371, 22-23=-266/1391, 21-22=-231/1204, 21-40=-168/1061, 40-41=-168/1061, 20-41=-168/1061, 19-20=-2277/475, 19-42=-3068/589, 18-42=-3068/589, 17-18=-3066/589, 16-17=-3066/589, 16-43=-3066/589, 43-44=-3066/589, 44-45=-3066/589, 45-46=-3066/589, 15-46=-3066/589, 15-47=-750/2636, 47-48=-750/2636, 48-49=-750/2636, 14-49=-750/2636, 14-50=-750/2636, 13-50=-750/2636, 13-51=-750/2636, 51-52=-750/2636, 52-53=-750/2636, 53-54=-750/2636, 12-54=-750/2636

WEBS 2-23=-413/105, 3-22=-72/499, 3-21=-185/65, 4-21=0/554, 4-20=-2627/504, 5-20=-821/259, 6-20=-166/871, 6-19=-314/0, 7-19=-303/1733, 7-17=-4004/1033, 7-15=-1185/4931, 8-15=-973/420, 10-15=-1153/222, 10-13=0/691, 10-12=-2531/726

NOTES

1) 2 X 4 SYP No.2D bearing block 12" long at jt. 17 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SYP.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 1, 430 lb uplift at joint 12 and 984 lb uplift at joint 17.

Continued on page 2

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

NOTES

8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 326 lb down and 105 lb up at 7-0-0, 164 lb down and 56 lb up at 9-0-12, 164 lb down and 56 lb up at 11-0-12, 164 lb down and 56 lb up at 13-0-12, 125 lb down and 73 lb up at 15-0-12, 125 lb down and 73 lb up at 17-0-12, 125 lb down and 73 lb up at 19-0-12, 125 lb down and 73 lb up at 21-0-12, 125 lb down and 73 lb up at 23-0-12, 125 lb down and 73 lb up at 25-0-12, 125 lb down and 73 lb up at 27-0-12, 125 lb down and 73 lb up at 29-0-12, 125 lb down and 73 lb up at 31-0-12, 125 lb down and 73 lb up at 33-0-12, 125 lb down and 73 lb up at 35-0-12, and 125 lb down and 73 lb up at 37-0-12, and 125 lb down and 73 lb up at 39-0-12 on top chord, and 254 lb down and 13 lb up at 7-0-0, 22 lb down at 9-0-12, 22 lb down at 11-0-12, 94 lb down at 15-0-12, 94 lb down at 17-0-12, 94 lb down at 19-0-12, 94 lb down at 21-0-12, 94 lb down at 23-0-12, 94 lb down at 25-0-12, 94 lb down at 27-0-12, 94 lb down at 29-0-12, 94 lb down at 31-0-12, 94 lb down at 33-0-12, 94 lb down at 35-0-12, and 94 lb down at 37-0-12, and 94 lb down at 39-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-4=-60, 4-11=-60, 1-23=-20, 22-23=-20, 20-22=-20, 19-20=-20, 12-19=-20

Concentrated Loads (lb)

Vert: 4=-326(F) 21=-254(F) 24=-164(F) 25=-164(F) 26=-164(F) 27=-125(F) 28=-125(F) 29=-125(F) 30=-125(F) 31=-125(F) 32=-125(F) 33=-125(F) 34=-125(F) 35=-125(F) 36=-125(F) 37=-125(F) 38=-125(F) 39=-125(F) 40=-11(F) 41=-11(F) 42=-47(F) 43=-47(F) 44=-47(F) 45=-47(F) 46=-47(F) 47=-47(F) 48=-47(F) 49=-47(F) 50=-47(F) 51=-47(F) 52=-47(F) 53=-47(F) 54=-47(F)

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A10	ROOF TRUSS	1	1	E5145989

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:23 2008 Page 1

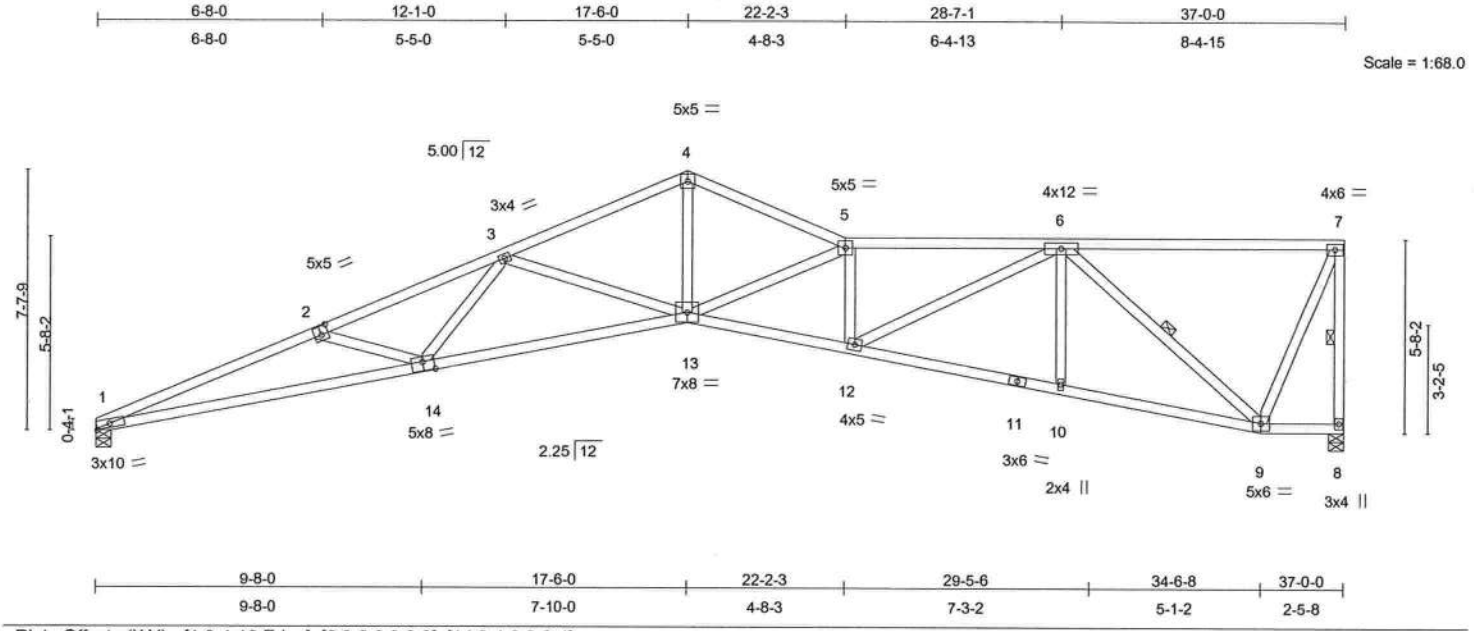

Plate Offsets (X,Y): [1:0-4-12,Edge], [2:0-2-8,0-3-0], [14:0-4-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.89	Vert(LL)	-0.44	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-1.15	13-14	>382	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.77	Horz(TL)	0.59	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 193 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
1-14: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-1-15 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-5-15 oc bracing.
WEBS 1 Row at midpt 7-8, 6-9

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

REACTIONS (lb/size) 8=1465/0-5-8, 1=1465/0-5-8
Max Horz 1=197(LC 5)
Max Uplift8=-178(LC 6), 1=-144(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5236/650, 2-3=-4836/518, 3-4=-3623/352, 4-5=-3608/364, 5-6=-4176/426, 6-7=-564/54, 7-8=-1407/164
BOT CHORD 1-14=-753/4839, 13-14=-544/4181, 12-13=-446/4317, 11-12=-272/2340, 10-11=-278/2321, 9-10=-277/2345, 8-9=-21/61
WEBS 2-14=-383/205, 3-14=-20/596, 3-13=-888/228, 4-13=-190/2410, 5-13=-1048/179, 5-12=-1206/175, 6-12=-197/2101, 6-10=0/268, 6-9=-2330/287, 7-9=-84/1275

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 178 lb uplift at joint 8 and 144 lb uplift at joint 1.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A11	ROOF TRUSS	1	1	E5145990

SANTA FE TRUSS, HIGH SPRINGS, FL. Job Reference (optional)

7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:24 2008 Page 1

6-8-0	12-1-0	17-6-0	23-7-15	29-6-12	37-0-0
6-8-0	5-5-0	5-5-0	6-1-15	5-10-12	7-5-4

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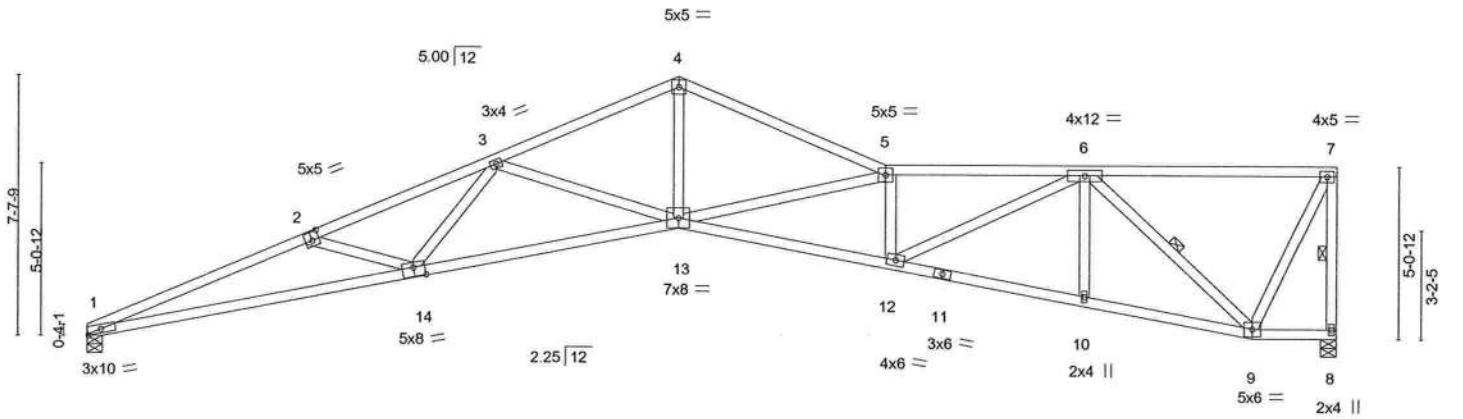

9-8-0	17-6-0	23-7-15	30-2-4	34-6-8	37-0-0
9-8-0	7-10-0	6-1-15	6-6-4	4-4-4	2-5-8

Plate Offsets (X,Y): [1:0-4-12,Edge], [2:0-2-8,0-3-0], [14:0-4-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.78	Vert(LL)	-0.45	13	>966	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.90	Vert(TL)	-1.18	13-14	>373	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.97	Horz(TL)	0.61	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 190 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
1-14: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

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

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

REACTIONS (lb/size) 8=1465/0-5-8, 1=1465/0-5-8
Max Horz 1=185(LC 5)
Max Uplift8=-175(LC 6), 1=-146(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5236/648, 2-3=-4832/516, 3-4=-3637/349, 4-5=-3645/359, 5-6=-4509/464, 6-7=-638/62, 7-8=-1408/167
BOT CHORD 1-14=-739/4839, 13-14=-527/4177, 12-13=-489/4675, 11-12=-266/2360, 10-11=-275/2352, 9-10=-275/2363, 8-9=-19/56
WEBS 2-14=-385/206, 3-14=-22/590, 3-13=-880/226, 4-13=-168/2370, 5-13=-1316/229, 5-12=-1377/196, 6-12=-220/2435, 6-10=0/230, 6-9=-2318/281, 7-9=-100/1333

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 175 lb uplift at joint 8 and 146 lb uplift at joint 1.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A12	ROOF TRUSS	1	1	E5145991

SANTA FE TRUSS, HIGH SPRINGS, FL. Job Reference (optional)

7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:25 2008 Page 1

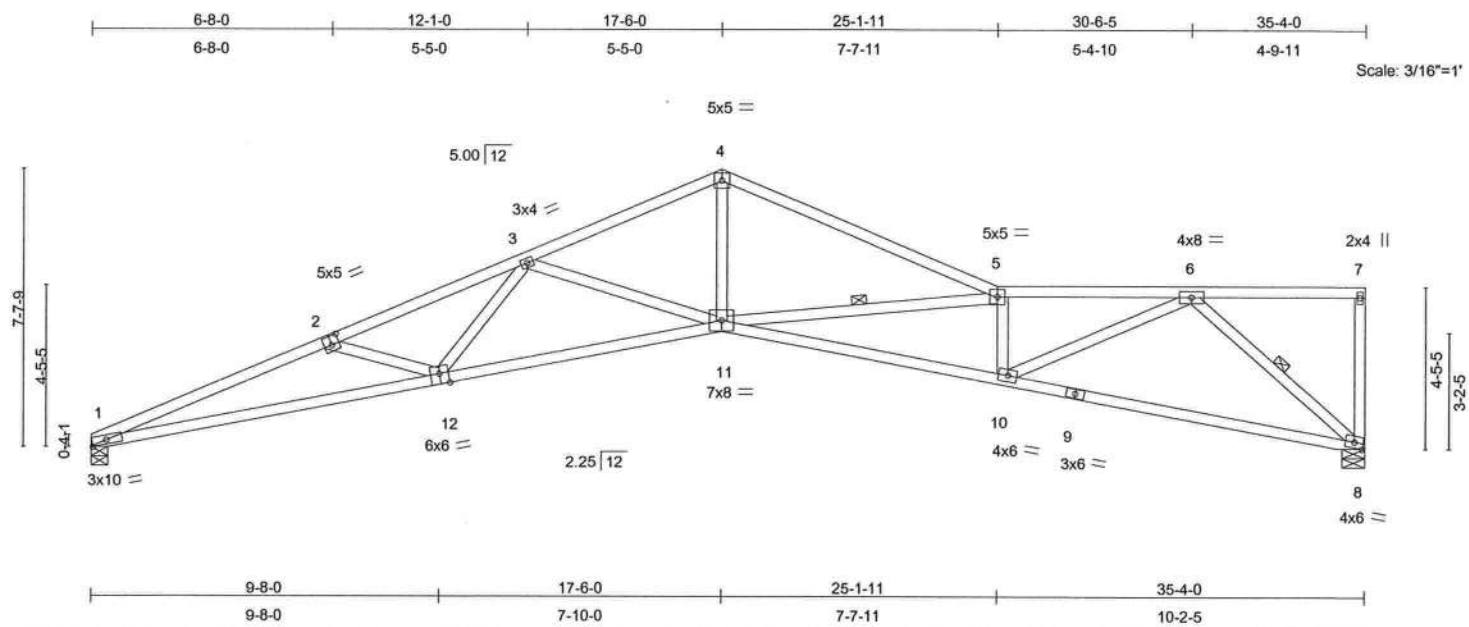

Plate Offsets (X,Y): [1:0-4-12,Edge], [2:0-2-8,0-3-0], [12:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.97	Vert(LL)	-0.41	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-1.06	11-12	>394	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.91	Horz(TL)	0.60	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 172 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
1-12: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-11, 6-8

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

REACTIONS (lb/size) 8=1398/0-7-12, 1=1398/0-5-8
Max Horz 1=172(LC 5)
Max Uplift8=-160(LC 6), 1=-144(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4958/632, 2-3=-4539/499, 3-4=-3349/334, 4-5=-3382/342, 5-6=-4225/417, 6-7=-82/0, 7-8=-139/45
BOT CHORD 1-12=-712/4581, 11-12=-497/3893, 10-11=-447/4406, 9-10=-204/1706, 8-9=-220/1688
WEBS 2-12=-394/208, 3-12=-24/596, 3-11=-877/221, 4-11=-145/2097, 5-11=-1315/229, 5-10=-1510/236, 6-10=-230/2825, 6-8=-2170/297

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 8, 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint 8 and 144 lb uplift at joint 1.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A13	ROOF TRUSS	3	1	E5145992

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:26 2008 Page 1

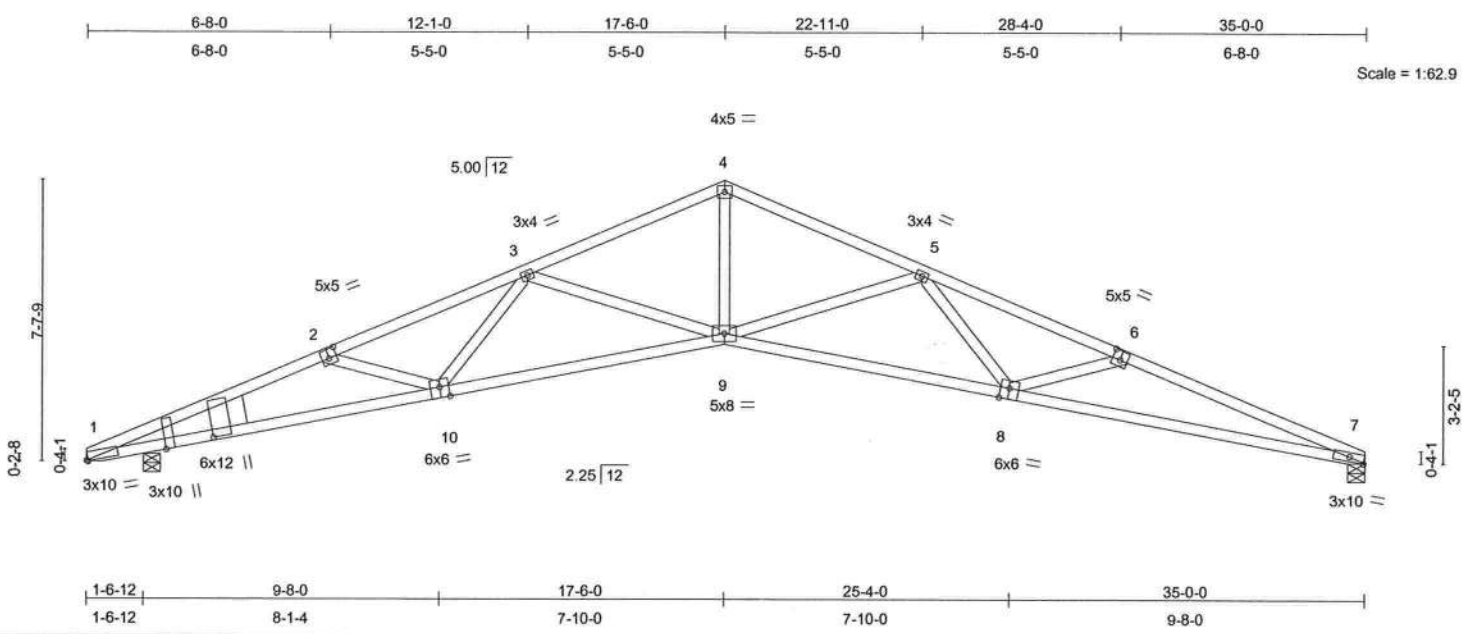

Plate Offsets (X,Y): [1:0-0-4,3-6-6], [1:0-1-4,Edge], [1:0-0-8,Edge], [2:0-2-8,0-3-0], [6:0-2-8,0-3-0], [7:0-4-12,Edge], [8:0-3-0,Edge], [10:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.79	Vert(LL)	-0.45	9	>926	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.81	Vert(TL)	-1.14	9-10	>362	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.68	Horz(TL)	0.65	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 167 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
1-10,7-8: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 10 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-2 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) 7=1382/0-5-8, 1=1382/0-5-8
Max Horz 1=87(LC 5)
Max Uplift7=-149(LC 6), 1=-149(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4884/583, 2-3=-4471/450, 3-4=-3253/276, 4-5=-3253/288, 5-6=-4471/380, 6-7=-4884/515
BOT CHORD 1-10=-581/4512, 9-10=-364/3834, 8-9=-208/3834, 7-8=-428/4512
WEBS 2-10=-393/208, 3-10=-25/595, 3-9=-889/231, 4-9=-120/2113, 5-9=-889/233, 5-8=-28/595, 6-8=-393/212

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 149 lb uplift at joint 7 and 149 lb uplift at joint 1.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	E5145993
CUNRES	A14	ROOF TRUSS	2	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:27 2008 Page 1

6-8-0	12-1-0	17-6-0	22-11-0	28-4-0	35-0-0
6-8-0	5-5-0	5-5-0	5-5-0	5-5-0	6-8-0

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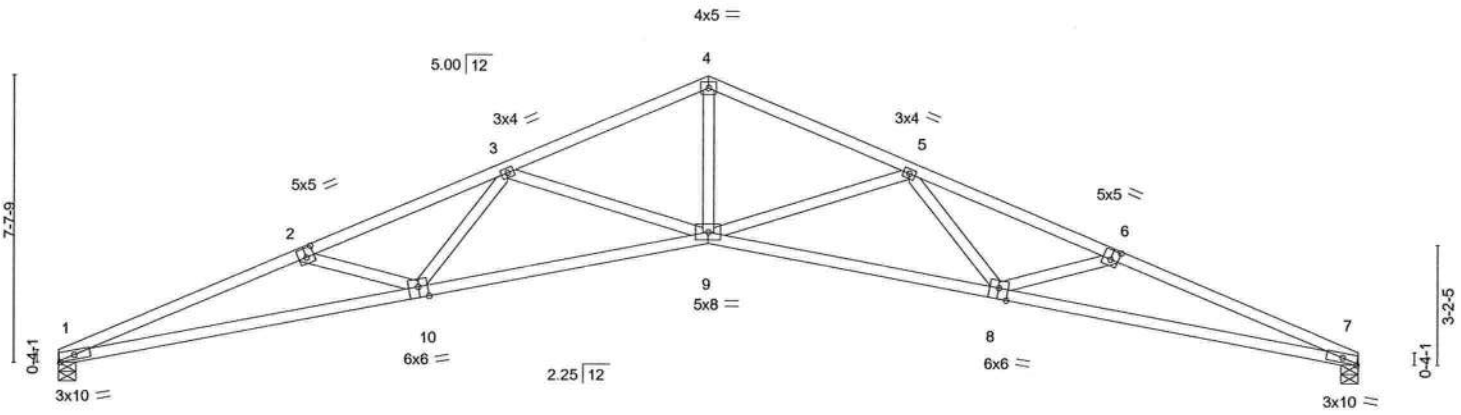


9-8-0	17-6-0	25-4-0	35-0-0
9-8-0	7-10-0	7-10-0	9-8-0

Plate Offsets (X,Y): [1:0-4-12,Edge], [2:0-2-8,0-3-0], [6:0-2-8,0-3-0], [7:0-4-12,Edge], [8:0-3-0,Edge], [10:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.45	9	>926	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.81	Vert(TL)	-1.14	9-10	>362	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.68	Horz(TL)	0.65	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 153 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
1-10,7-8: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-2 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=1382/0-5-8, 7=1382/0-5-8
Max Horz 1=87(LC 5)
Max Uplift1=-149(LC 5), 7=-149(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4884/583, 2-3=-4471/450, 3-4=-3253/276, 4-5=-3253/288, 5-6=-4471/380, 6-7=-4884/515
BOT CHORD 1-10=-580/4512, 9-10=-364/3834, 8-9=-208/3834, 7-8=-428/4512
WEBS 2-10=-393/208, 3-10=-25/595, 3-9=-889/231, 4-9=-120/2113, 5-9=-889/233, 5-8=-28/595, 6-8=-393/212

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 149 lb uplift at joint 1 and 149 lb uplift at joint 7.

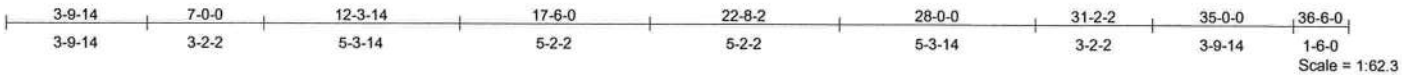
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	E5145994
CUNRES	A15	ROOF TRUSS	1	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:29 2008 Page 1



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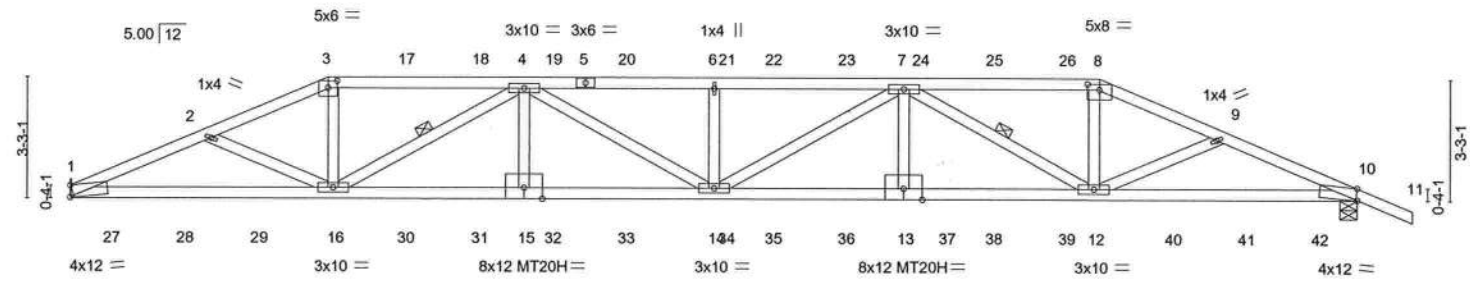

Plate Offsets (X,Y): [1:Edge,0-3-12], [3:0-3-0,0-2-4], [8:0-4-0,0-1-13], [10:0-0-6,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.94	Vert(LL)	-0.54	14	>766	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-1.40	14-15	>297	180	MT20H	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.57	Horz(TL)	0.34	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 172 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
3-5: 2 X 4 SYP No.2D, 5-8: 2 X 4 SYP 2400F 2.0E
BOT CHORD 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-7-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-11-13 oc bracing.
WEBS 1 Row at midpt 4-16, 7-12

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

REACTIONS (lb/size) 1=2685/Mechanical, 10=2863/0-5-8
Max Horz 1=-65(LC 6)
Max Uplift1=-578(LC 5), 10=-667(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-6130/1429, 2-3=-6000/1453, 3-17=-5613/1376, 17-18=-5612/1376, 4-18=-5612/1376, 4-19=-8605/2175, 5-19=-8605/2175, 5-20=-8605/2175, 20-21=-8605/2175, 6-21=-8605/2175, 6-22=-8605/2175, 22-23=-8605/2175, 7-23=-8605/2175, 7-24=-5634/1415, 24-25=-5634/1415, 25-26=-5634/1415, 8-26=-5634/1415, 8-9=-6024/1495, 9-10=-6021/1441, 10-11=0/34
BOT CHORD 1-27=-1285/5594, 27-28=-1285/5594, 28-29=-1285/5594, 16-29=-1285/5594, 16-30=-1900/7847, 30-31=-1900/7847, 15-31=-1900/7847, 15-32=-1900/7847, 32-33=-1900/7847, 33-34=-1900/7847, 14-34=-1900/7847, 14-35=-1922/7867, 35-36=-1922/7867, 13-36=-1922/7867, 13-37=-1922/7867, 37-38=-1922/7867, 38-39=-1922/7867, 12-39=-1922/7867, 12-40=-1268/5443, 40-41=-1268/5443, 41-42=-1268/5443, 10-42=-1268/5443
WEBS 2-16=-69/118, 3-16=-276/1624, 4-16=-2640/697, 4-15=0/401, 4-14=-223/926, 6-14=-619/264, 7-14=-201/882, 7-13=0/408, 7-12=-2614/683, 8-12=-249/1558, 9-12=-74/280

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 578 lb uplift at joint 1 and 667 lb uplift at joint 10.

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Continued on page 2

NOTES

8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 257 lb down and 152 lb up at 7-0-0, 125 lb down and 73 lb up at 9-0-12, 125 lb down and 73 lb up at 11-0-12, 125 lb down and 73 lb up at 13-0-12, 125 lb down and 73 lb up at 15-0-12, 125 lb down and 73 lb up at 17-0-12, 125 lb down and 73 lb up at 19-0-12, 125 lb down and 73 lb up at 21-0-12, 125 lb down and 73 lb up at 23-0-12, 125 lb down and 73 lb up at 25-0-12, and 125 lb down and 73 lb up at 27-0-12, and 297 lb down and 152 lb up at 28-0-0 on top chord, and 98 lb down at 1-0-12, 107 lb down at 3-0-12, 94 lb down at 5-0-12, 94 lb down at 7-0-12, 94 lb down at 9-0-12, 94 lb down at 11-0-12, 94 lb down at 13-0-12, 94 lb down at 15-0-12, 94 lb down at 17-0-12, 94 lb down at 19-0-12, 94 lb down at 21-0-12, 94 lb down at 23-0-12, 94 lb down at 25-0-12, 94 lb down at 27-0-12, 94 lb down at 27-11-4, 94 lb down at 29-11-4, and 107 lb down at 31-11-4, and 98 lb down at 33-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-3=-60, 3-8=-60, 8-11=-60, 1-10=-20
   Concentrated Loads (lb)
      Vert: 3=-257(B) 8=-257(B) 16=-47(B) 12=-47(B) 17=-125(B) 18=-125(B) 19=-125(B) 20=-125(B) 21=-125(B) 22=-125(B) 23=-125(B) 24=-125(B) 25=-125(B) 26=-125(B) 27=-49(B) 28=-72(B) 29=-47(B) 30=-47(B) 31=-47(B) 32=-47(B) 33=-47(B) 34=-47(B) 35=-47(B) 36=-47(B) 37=-47(B) 38=-47(B) 39=-47(B) 40=-47(B) 41=-72(B) 42=-49(B)

Job	Truss	Truss Type	Qty	Ply	E5145995
CUNRES	A16	ROOF TRUSS	1	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:30 2008 Page 1

5-8-11	9-0-0	14-8-9	20-3-7	26-0-0	29-3-5	35-0-0	36-6-0
5-8-11	3-3-5	5-8-9	5-6-13	5-8-9	3-3-5	5-8-11	1-6-0

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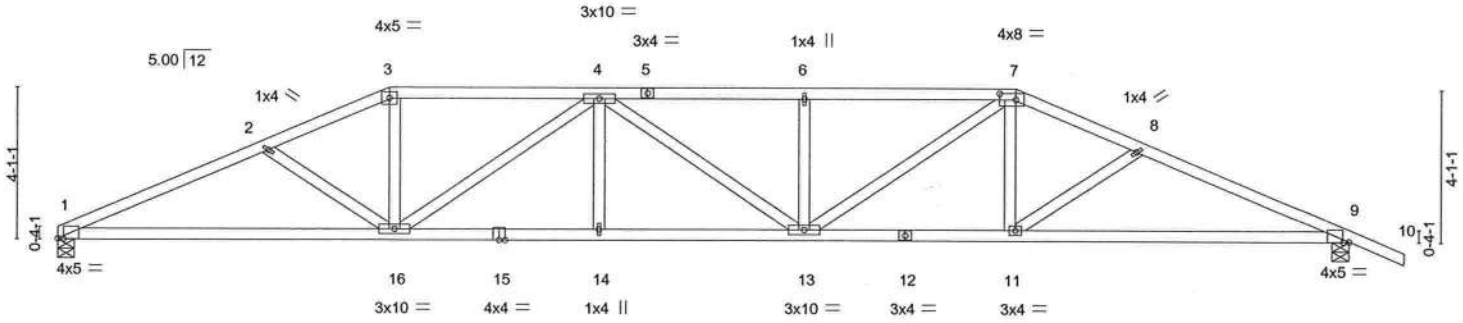


9-0-0	14-8-9	20-3-7	26-0-0	35-0-0
9-0-0	5-8-9	5-6-13	5-8-9	9-0-0

Plate Offsets (X,Y): [1:0-1-14,0-0-2], [7:0-5-4,0-2-0], [9:0-1-14,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.22	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.58	13-14	>720	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.67	Horz(TL)	0.17	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 170 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-2-3 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=1379/0-5-8, 9=1488/0-5-8
Max Horz 1=-75(LC 6)
Max Uplift1=-135(LC 4), 9=-190(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2928/347, 2-3=-2676/327, 3-4=-2462/317, 4-5=-3094/430, 5-6=-3094/430, 6-7=-3095/430, 7-8=-2660/327, 8-9=-2914/346, 9-10=0/34
BOT CHORD 1-16=-264/2640, 15-16=-330/3097, 14-15=-330/3097, 13-14=-330/3097, 12-13=-214/2431, 11-12=-214/2431, 9-11=-264/2611
WEBS 2-16=-252/133, 3-16=-34/746, 4-16=-856/138, 4-14=0/193, 4-13=-78/73, 6-13=-344/126, 7-13=-144/879, 7-11=0/380, 8-11=-233/117

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 1 and 190 lb uplift at joint 9.

LOAD CASE(S) Standard

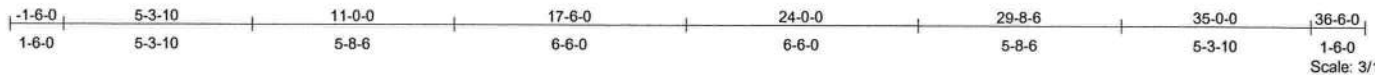
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A17	ROOF TRUSS	1	1	E5145996

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:31 2008 Page 1



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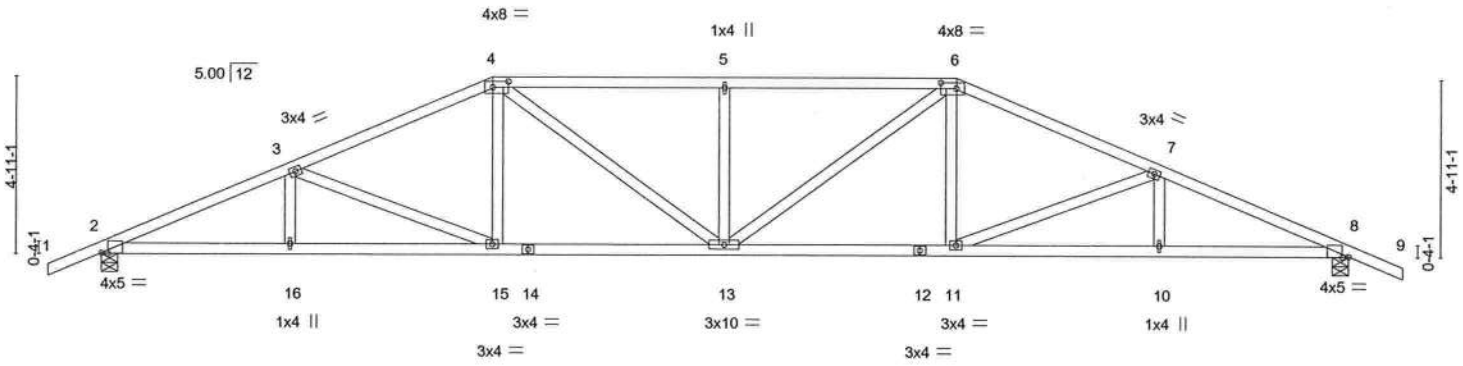

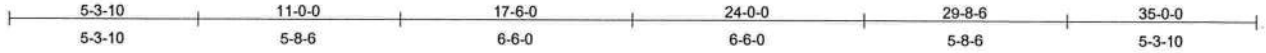

Plate Offsets (X,Y): [2:0-2-2,0-0-2], [4:0-5-4,0-2-0], [6:0-5-4,0-2-0], [8:0-2-2,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.18	13	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.46	11-13	>909	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.16	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 177 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-14 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=1485/0-5-8, 8=1485/0-5-8
Max Horz 2=-76(LC 6)
Max Uplift2=-181(LC 5), 8=-181(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-2990/277, 3-4=-2494/289, 4-5=-2613/341, 5-6=-2613/341, 6-7=-2494/289, 7-8=-2990/276, 8-9=0/34
BOT CHORD 2-16=-194/2680, 15-16=-194/2680, 14-15=-160/2256, 13-14=-160/2256, 12-13=-165/2256, 11-12=-165/2256, 10-11=-207/2680, 8-10=-207/2680
WEBS 3-16=0/217, 3-15=-473/114, 4-15=0/385, 4-13=-74/572, 5-13=-401/148, 6-13=-74/572, 6-11=0/385, 7-11=-473/115, 7-10=0/217

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 181 lb uplift at joint 2 and 181 lb uplift at joint 8.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A18	ROOF TRUSS	1	1	E5145997

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:32 2008 Page 1

6-11-0	13-0-0	17-6-0	22-0-0	28-1-0	35-0-0	36-6-0
6-11-0	6-1-0	4-6-0	4-6-0	6-1-0	6-11-0	1-6-0

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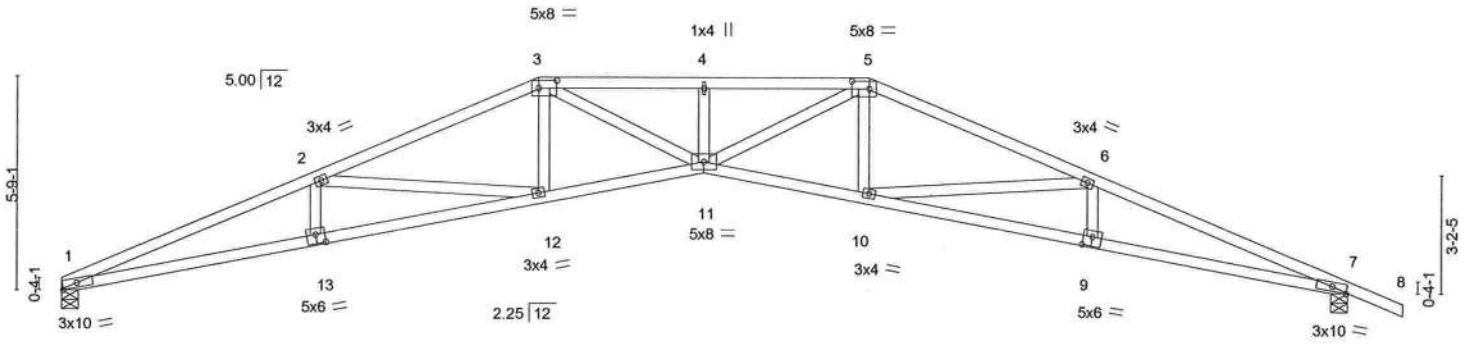


6-11-0	13-0-0	17-6-0	22-0-0	28-1-0	35-0-0
6-11-0	6-1-0	4-6-0	4-6-0	6-1-0	6-11-0

Plate Offsets (X,Y): [1:0-4-12,Edge], [3:0-5-12,0-2-8], [5:0-5-12,0-2-8], [7:0-4-12,Edge], [9:0-3-0,0-3-0], [13:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.78	Vert(LL)	-0.56	11	>740	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.98	Vert(TL)	-1.40	11	>296	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.60	Horz(TL)	0.79	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 158 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except* 1-13,7-9: 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 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=1379/0-5-8, 7=1488/0-5-8
Max Horz 1=-93(LC 6)
Max Uplift1=-123(LC 5), 7=-195(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4955/415, 2-3=-4011/339, 3-4=-5220/450, 4-5=-5220/450, 5-6=-4005/342, 6-7=-4909/369, 7-8=0/32
BOT CHORD 1-13=-392/4552, 12-13=-391/4555, 11-12=-197/3719, 10-11=-200/3714, 9-10=-290/4509, 7-9=-291/4504
WEBS 2-13=0/264, 2-12=-860/239, 3-12=-11/412, 3-11=-134/1751, 4-11=-210/88, 5-11=-131/1757, 5-10=-6/409, 6-10=-820/215, 6-9=0/260

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 1 and 195 lb uplift at joint 7.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	E5145998
CUNRES	A19	ROOF TRUSS	1	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:33 2008 Page 1

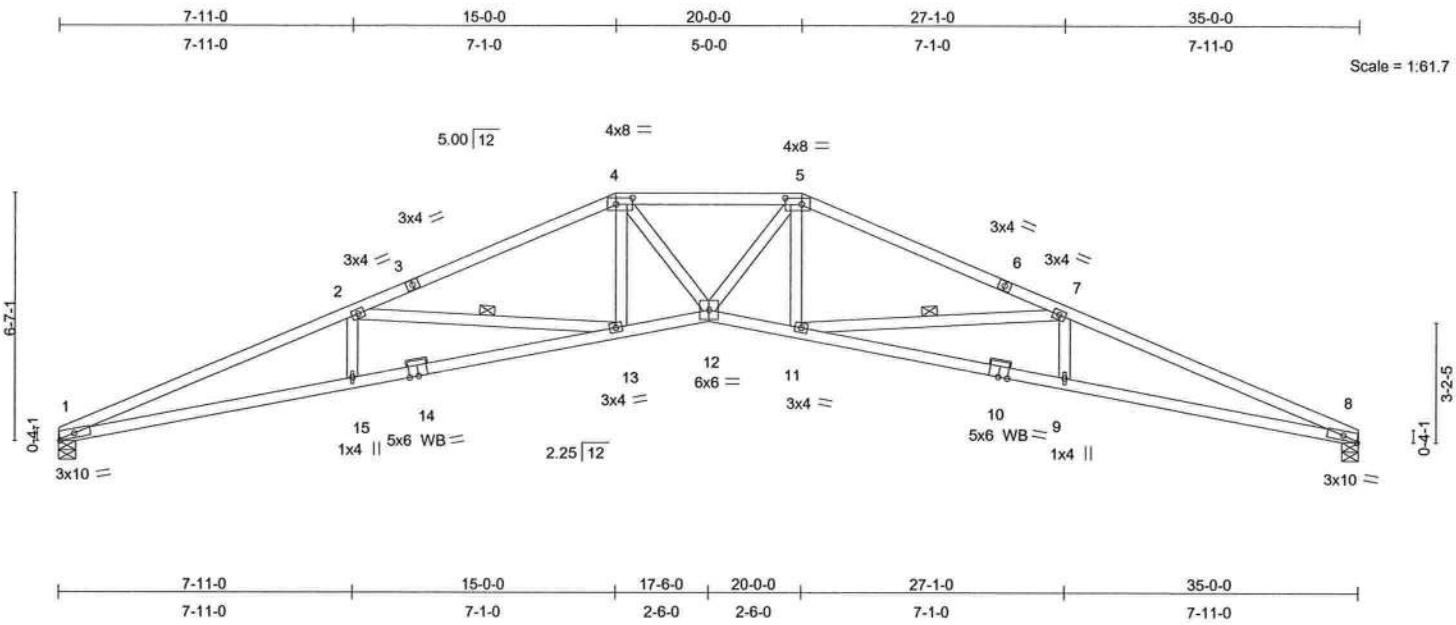


Plate Offsets (X,Y): [1:0-4-12,Edge], [4:0-5-4,0-2-0], [5:0-5-4,0-2-0], [8:0-4-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.93	Vert(LL)	-0.45	12	>925	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.86	Vert(TL)	-1.12	13-15	>369	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.67	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 155 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
1-3,6-8: 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2 *Except*
1-14,8-10: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 9-5-3 oc bracing.
WEBS 1 Row at midpt 2-13, 7-11

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

REACTIONS (lb/size) 1=1382/0-5-8, 8=1382/0-5-8
Max Horz 1=-75(LC 6)
Max Uplift1=-135(LC 5), 8=-135(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4936/469, 2-3=-3701/244, 3-4=-3615/269, 4-5=-3834/281, 5-6=-3615/260, 6-7=-3701/235, 7-8=-4936/410
BOT CHORD 1-15=-453/4538, 14-15=-453/4514, 13-14=-446/4534, 12-13=-159/3406, 11-12=-118/3406, 10-11=-315/4534, 9-10=-322/4514, 8-9=-322/4538
WEBS 2-15=0/320, 2-13=-1134/288, 4-13=-13/494, 4-12=-61/785, 5-12=-92/785, 5-11=-13/494, 7-11=-1134/292, 7-9=0/320

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 1, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 1 and 135 lb uplift at joint 8.

LOAD CASE(S) Standard

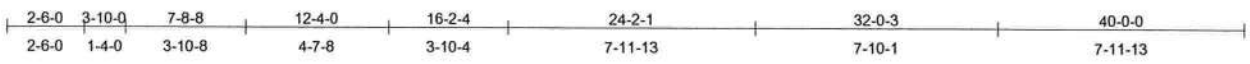
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A2	ROOF TRUSS	1	1	E5145999

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:34 2008 Page 1



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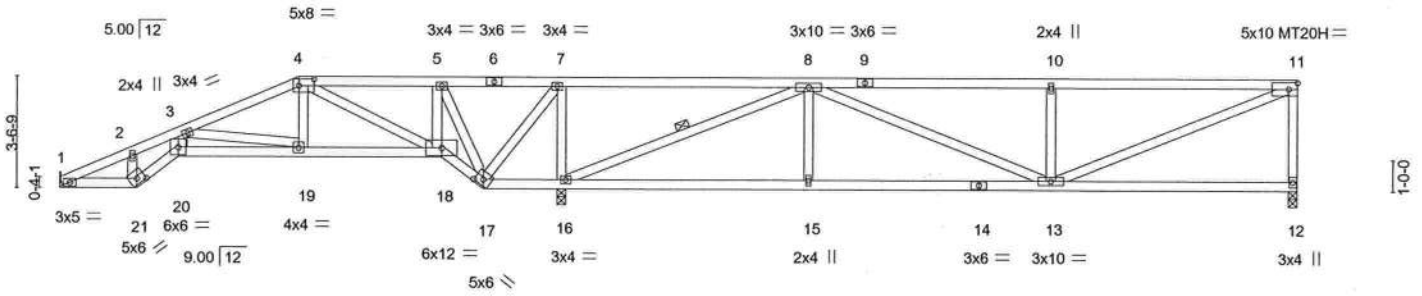

Plate Offsets (X,Y): [4:0-5-12,0-2-8], [17:0-3-0,0-2-2], [21:0-3-0,0-2-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.88	Vert(LL)	-0.07	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.22	13-15	>999	180	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.81	Horz(TL)	0.08	12	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 206 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-5-2 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 17-18
4-11-8 oc bracing: 16-17.
WEBS 1 Row at midpt 8-16

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

REACTIONS (lb/size) 1=327/Mechanical, 12=730/0-3-8, 16=2127/0-3-8
Max Horz 1=104(LC 5)
Max Uplift1=-31(LC 5), 12=-117(LC 3), 16=-300(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-803/99, 2-3=-804/123, 3-4=-168/15, 4-5=-104/850, 5-6=-104/923, 6-7=-104/923, 7-8=-178/1454, 8-9=-1123/185, 9-10=-1123/185, 10-11=-1123/185, 11-12=-647/151
BOT CHORD 1-21=-176/719, 20-21=-178/748, 19-20=-159/616, 18-19=-36/160, 17-18=-1030/147, 16-17=-1455/178, 15-16=-125/618, 14-15=-125/618, 13-14=-125/618, 12-13=-17/108
WEBS 2-21=-226/71, 3-20=-33/330, 3-19=-477/124, 4-19=0/280, 4-18=-1121/155, 5-18=-26/92, 5-17=-173/17, 7-17=-121/864, 7-16=-1091/243, 8-16=-2238/325, 8-15=0/316, 8-13=-66/547, 10-13=-479/179, 11-13=-183/1099

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 31 lb uplift at joint 1, 117 lb uplift at joint 12 and 300 lb uplift at joint 16.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

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

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A20	ROOF TRUSS	1	1	E5146000

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:35 2008 Page 1

6-8-0	12-1-0	17-6-0	22-11-0	28-4-0	35-0-0
6-8-0	5-5-0	5-5-0	5-5-0	5-5-0	6-8-0

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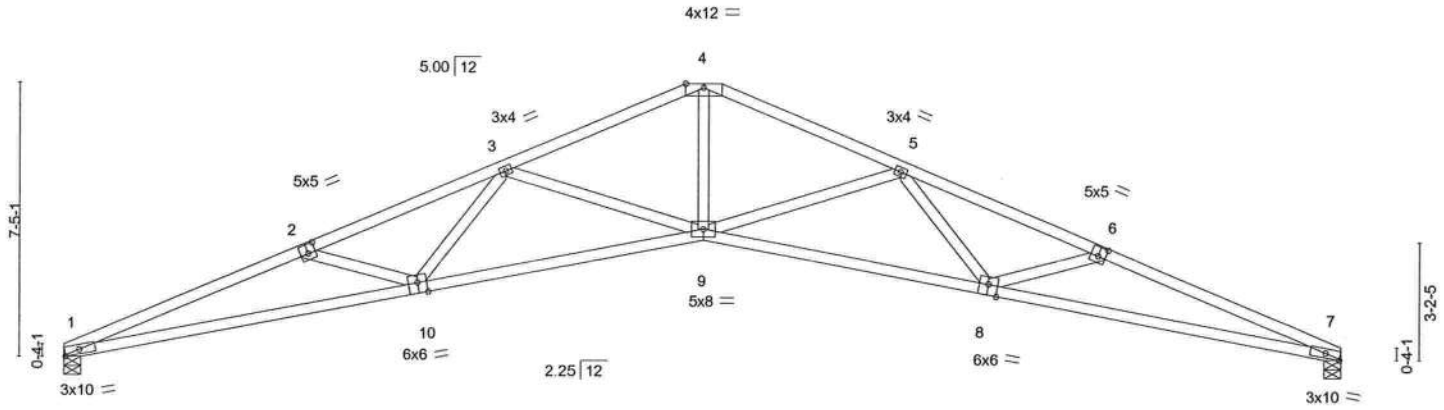


9-8-0	17-6-0	25-4-0	35-0-0
9-8-0	7-10-0	7-10-0	9-8-0

Plate Offsets (X,Y): [1:0-4-12,Edge], [2:0-2-8,0-3-0], [6:0-2-8,0-3-0], [7:0-4-12,Edge], [8:0-3-0,Edge], [10:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.45	9	>926	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.81	Vert(TL)	-1.14	9-10	>362	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.68	Horz(TL)	0.65	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 153 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
1-10,7-8: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-2 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=1382/0-5-8, 7=1382/0-5-8
Max Horz 1=87(LC 5)
Max Uplift1=-149(LC 5), 7=-149(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4884/583, 2-3=-4471/450, 3-4=-3253/276, 4-5=-3253/288, 5-6=-4471/380, 6-7=-4884/515
BOT CHORD 1-10=-580/4512, 9-10=-364/3834, 8-9=-208/3834, 7-8=-428/4512
WEBS 2-10=-393/208, 3-10=-25/595, 3-9=-889/231, 4-9=-120/2113, 5-9=-889/233, 5-8=-28/595, 6-8=-393/212

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 149 lb uplift at joint 1 and 149 lb uplift at joint 7.

LOAD CASE(S) Standard

MARVIN A. STRZYZEWSKI LICENSE No 43144 STATE OF FLORIDA PROFESSIONAL ENGINEER

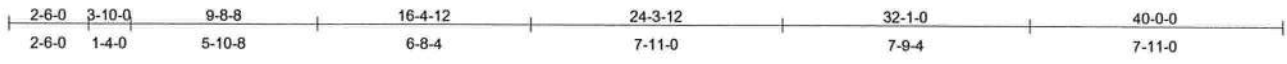
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A3	ROOF TRUSS	1	1	E5146001

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:36 2008 Page 1



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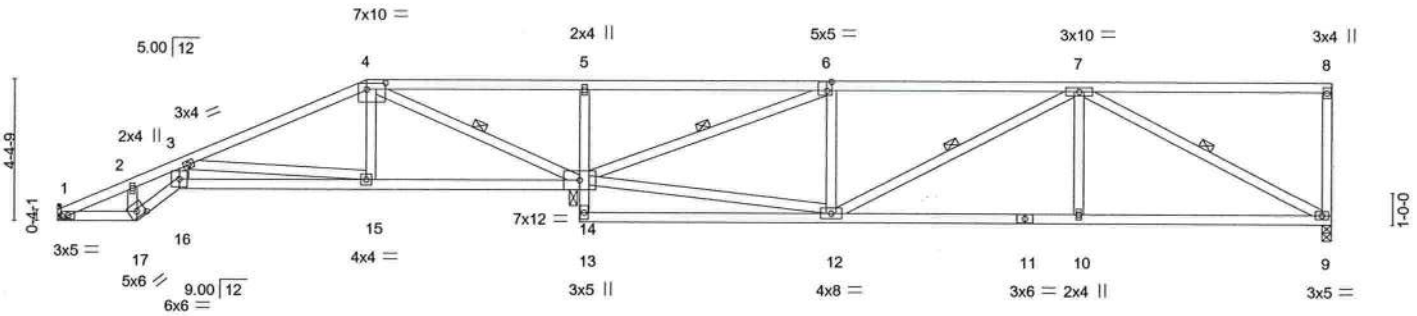


Plate Offsets (X,Y): [4:0-7-0,0-2-4], [6:0-1-12,0-3-4], [17:0-3-0,0-2-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.77	Vert(LL)	-0.13	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.35	15-16	>558	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.72	Horz(TL)	0.13	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 216 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
5-13: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 14-15,12-13.
WEBS 1 Row at midpt 4-14, 6-14, 7-12, 7-9

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

REACTIONS (lb/size) 1=337/Mechanical, 9=712/0-3-8, 14=2121/0-3-0
Max Horz 1=131(LC 5)
Max Uplift1=-18(LC 5), 9=-116(LC 3), 14=-291(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-903/86, 2-3=-900/104, 3-4=-77/112, 4-5=-249/1550, 5-6=-234/1533, 6-7=-429/95, 7-8=-77/11, 8-9=-217/78
BOT CHORD 1-17=-189/806, 16-17=-182/825, 15-16=-181/701, 14-15=-11/21, 13-14=0/152, 5-14=-443/164, 12-13=-3/54, 11-12=-148/864, 10-11=-148/864, 9-10=-148/864
WEBS 2-17=-196/44, 3-16=-10/398, 3-15=-729/202, 4-15=0/363, 4-14=-1688/250, 12-14=-124/424, 6-14=-2105/277, 6-12=0/449, 7-12=-492/74, 7-10=0/320, 7-9=-890/154

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1, 116 lb uplift at joint 9 and 291 lb uplift at joint 14.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

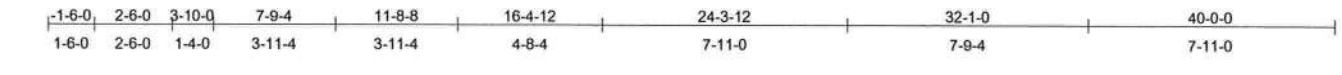
December 10,2008

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

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A4	ROOF TRUSS	1	1	E5146002

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:36 2008 Page 1



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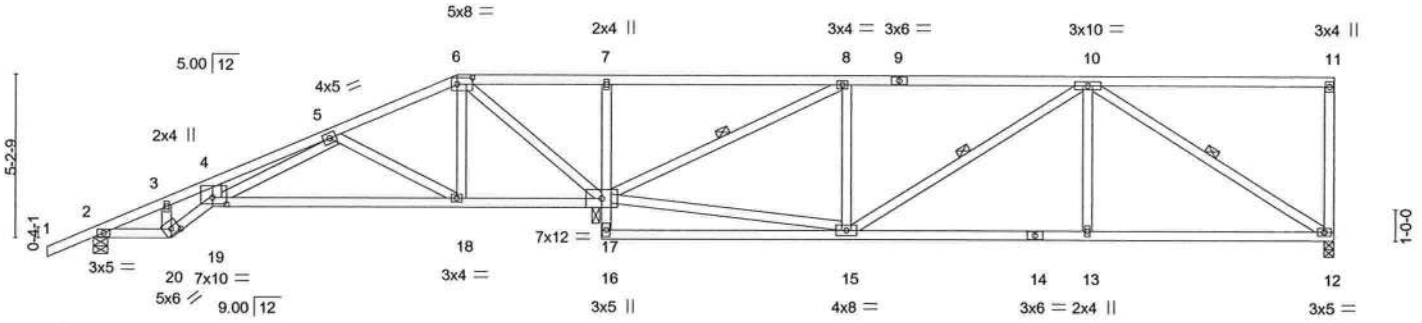


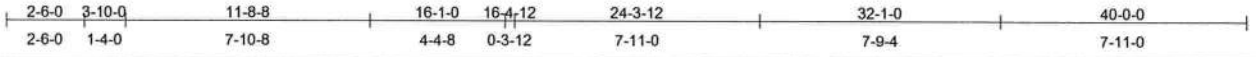


Plate Offsets (X,Y): [6:0-5-12,0-2-8], [19:0-5-8,0-2-8], [20:0-3-0,0-2-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.73	Vert(LL)	-0.13	18-19	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.38	18-19	>515	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.82	Horz(TL)	0.09	12	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 230 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
7-16: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 18-19,17-18.
WEBS 1 Row at midpt 8-17, 10-15, 10-12

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

REACTIONS (lb/size) 12=683/0-3-8, 2=405/0-5-8, 17=2187/0-3-0
Max Horz 2=188(LC 5)
Max Uplift12=-123(LC 3), 2=-94(LC 5), 17=-274(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-637/1, 3-4=-643/19, 4-5=-555/63, 5-6=-97/530, 6-7=-186/1425, 7-8=-178/1395, 8-9=-272/103, 9-10=-272/103, 10-11=-60/9, 11-12=-216/77
BOT CHORD 2-20=-132/559, 19-20=-121/608, 18-19=-123/0, 17-18=-437/57, 16-17=0/151, 7-17=-412/148, 15-16=0/128, 14-15=-133/671, 13-14=-133/671, 12-13=-133/671
WEBS 3-20=-236/46, 4-19=0/194, 5-19=-57/604, 5-18=-492/162, 6-18=-6/443, 6-17=-1273/167, 15-17=-151/247, 8-17=-1867/214, 8-15=0/513, 10-15=-472/61, 10-13=0/322, 10-12=-723/147

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 12, 94 lb uplift at joint 2 and 274 lb uplift at joint 17.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A5	ROOF TRUSS	1	1	E5146003

SANTA FE TRUSS, HIGH SPRINGS, FL. — Job Reference (optional)

7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:37 2008 Page 1

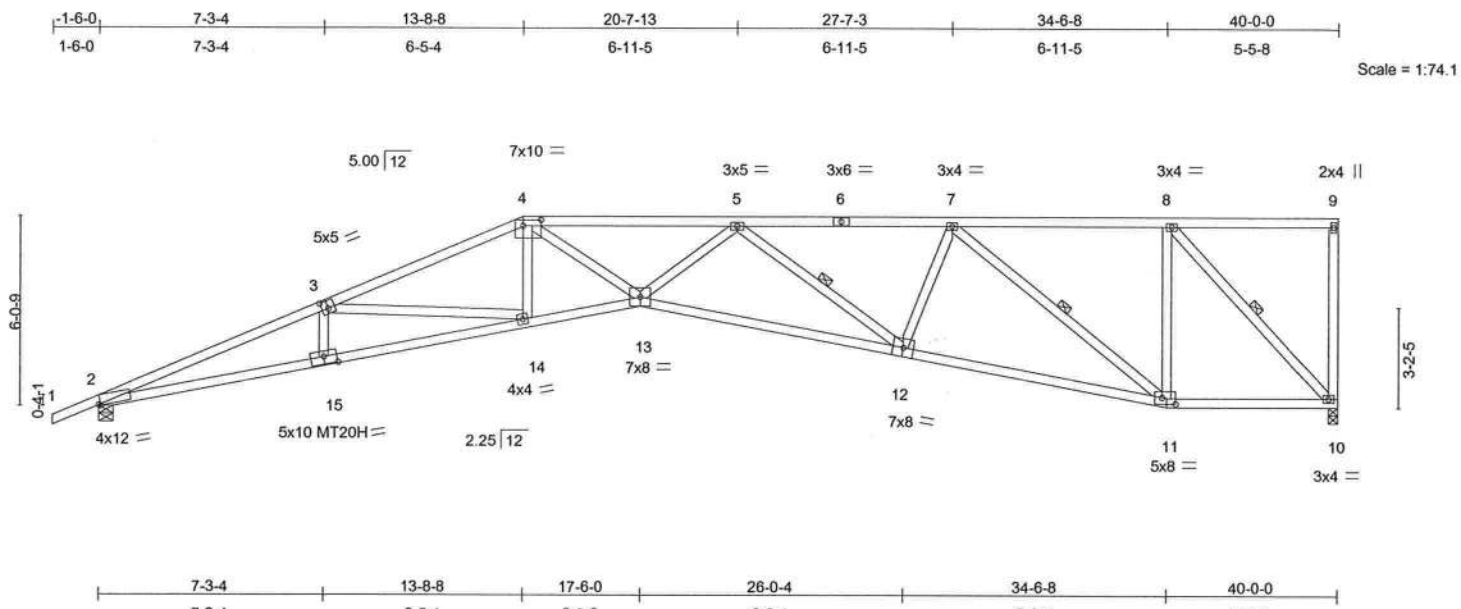


Plate Offsets (X,Y): [2:0-0-11,Edge], [3:0-2-8,0-3-0], [4:0-7-0,0-2-4], [11:0-5-4,0-2-8], [15:0-5-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.93	Vert(LL)	-0.57	13	>836	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.99	Vert(TL)	-1.48	12-13	>321	180	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.73	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 209 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
1-3: 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2 *Except*
13-15,12-13: 2 X 4 SYP No.2D, 2-15: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-12, 7-11, 8-10

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

REACTIONS (lb/size) 10=1583/0-3-8, 2=1691/0-5-8
Max Horz 2=214(LC 5)
Max Uplift10=-231(LC 4), 2=-196(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/32, 2-3=-5757/626, 3-4=-4805/624, 4-5=-5968/794, 5-6=-3458/472, 6-7=-3458/472, 7-8=-1317/188, 8-9=-18/4, 9-10=-131/47
BOT CHORD 2-15=-678/5293, 14-15=-681/5290, 13-14=-609/4466, 12-13=-754/5092, 11-12=-464/3133, 10-11=-188/1317
WEBS 3-15=0/288, 3-14=-820/215, 4-14=-22/370, 4-13=-238/1909, 5-13=-82/1254, 5-12=-1947/332, 7-12=-65/1096, 7-11=-2268/338, 8-11=-55/1015, 8-10=-1915/273

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 231 lb uplift at joint 10 and 196 lb uplift at joint 2.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A6	ROOF TRUSS	1	1	E5146004
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:38 2008 Page 1

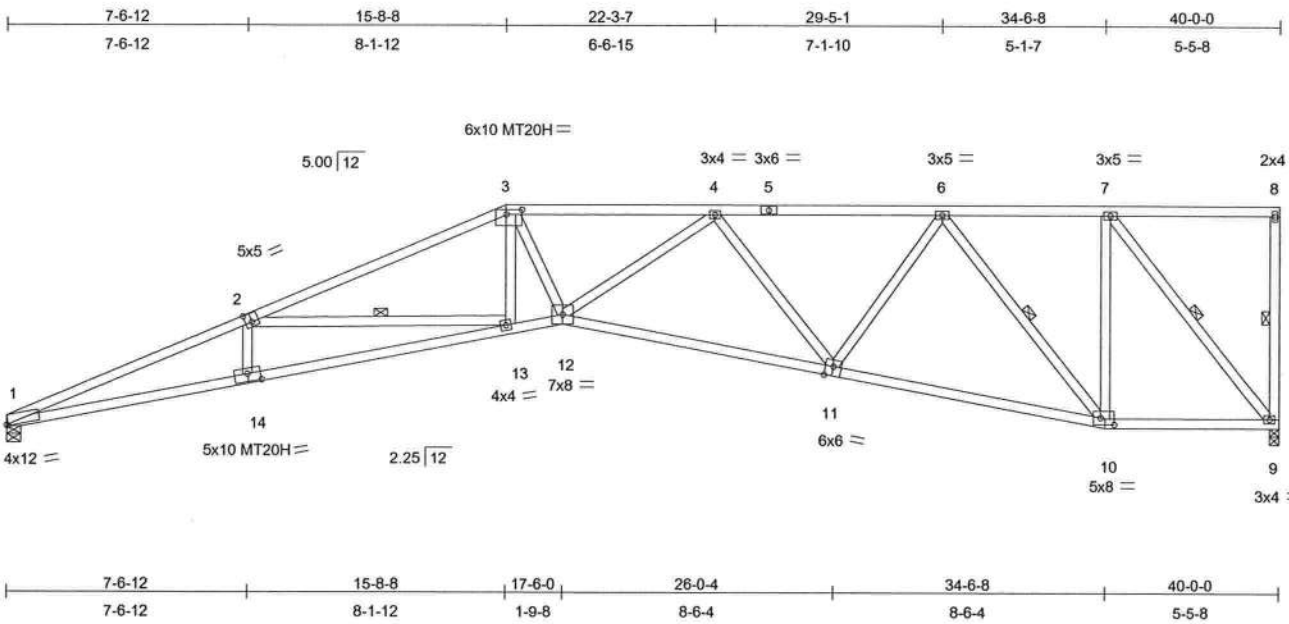


Plate Offsets (X,Y): [1:0-0-11,Edge], [2:0-2-8,0-3-4], [3:0-6-0,0-1-12], [10:0-5-4,0-2-8], [11:0-3-0,Edge], [14:0-5-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.98	Vert(LL)	-0.44	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.98	Vert(TL)	-1.21	13-14	>393	180	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.93	Horz(TL)	0.60	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 215 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except*
2-3: 2 X 4 SYP No.2D, 1-2: 2 X 4 SYP 2400F 2.0E
BOT CHORD 2 X 4 SYP No.2 *Except*
12-14: 2 X 4 SYP No.2D, 1-14: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

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

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

REACTIONS (lb/size) 9=1585/0-3-8, 1=1585/0-5-8
Max Horz 1=213(LC 5)
Max Uplift9=-228(LC 4), 1=-135(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5844/598, 2-3=-4539/562, 3-4=-4573/595, 4-5=-2857/375, 5-6=-2857/375, 6-7=-1140/158, 7-8=-19/4, 8-9=-149/54
BOT CHORD 1-14=-703/5386, 13-14=-708/5380, 12-13=-554/4188, 11-12=-543/3722, 10-11=-337/2243, 9-10=-158/1140
WEBS 2-14=0/331, 2-13=-1169/312, 3-13=-27/422, 3-12=-111/969, 4-12=-148/1138, 4-11=-1320/252, 6-11=-91/1180, 6-10=-1709/270, 7-10=-75/1079, 7-9=-1786/245

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 228 lb uplift at joint 9 and 135 lb uplift at joint 1.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A7	ROOF TRUSS	1	1	E5146005
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:39 2008 Page 1

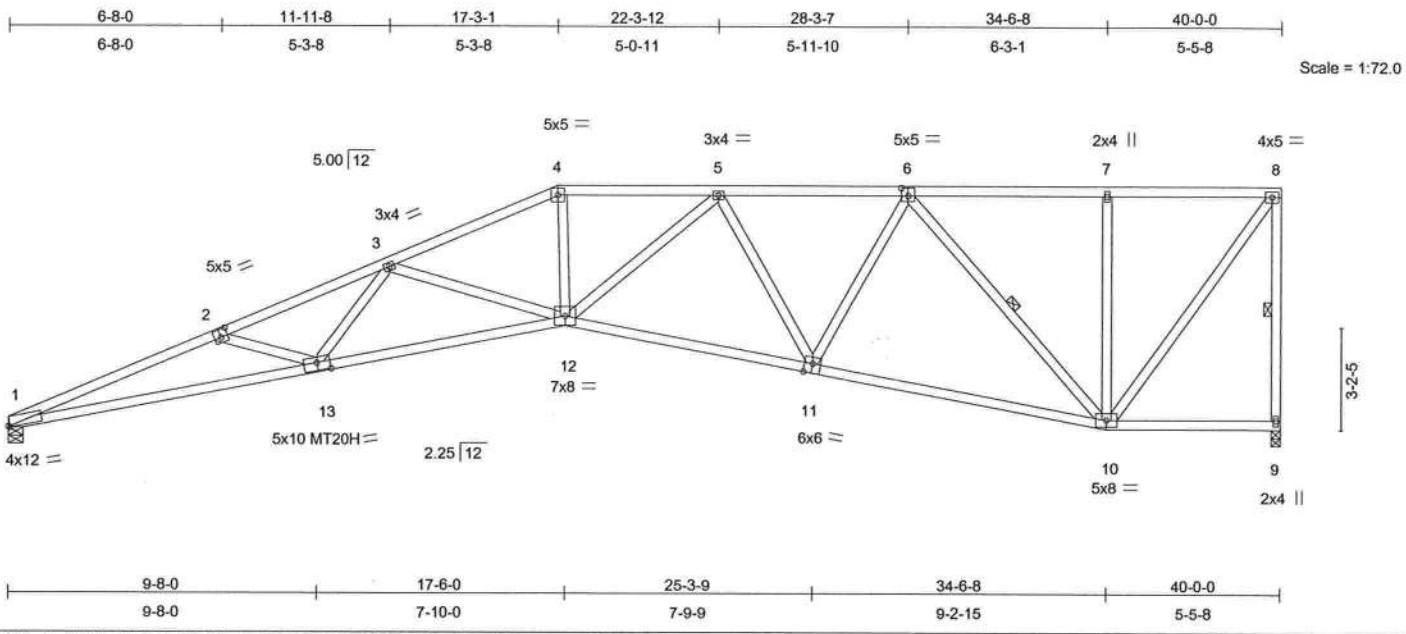


Plate Offsets (X,Y): [1:0-0-11,Edge], [2:0-2-8,0-3-0], [6:0-2-8,0-3-0], [11:0-3-0,Edge], [13:0-5-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.88	Vert(LL)	-0.44	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.92	Vert(TL)	-1.14	12-13	>416	180	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.75	Horz(TL)	0.56	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 221 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
1-13: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 8-9, 6-10

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

REACTIONS (lb/size) 9=1585/0-3-8, 1=1585/0-5-8
Max Horz 1=233(LC 5)
Max Uplift9=-226(LC 4), 1=-142(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5737/669, 2-3=-5357/540, 3-4=-4171/513, 4-5=-3871/497, 5-6=-2663/346, 6-7=-1048/143, 7-8=-1048/143, 8-9=-1545/239
BOT CHORD 1-13=-808/5304, 12-13=-605/4699, 11-12=-453/3225, 10-11=-327/2218, 9-10=-4/14
WEBS 2-13=-325/202, 3-13=-20/562, 3-12=-855/229, 4-12=-103/1270, 5-12=-160/931, 5-11=-1042/194, 6-11=-67/1040, 6-10=-1704/260, 7-10=-369/137, 8-10=-236/1747

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 226 lb uplift at joint 9 and 142 lb uplift at joint 1.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	E5146006
CUNRES	A8	ROOF TRUSS	1	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:40 2008 Page 1

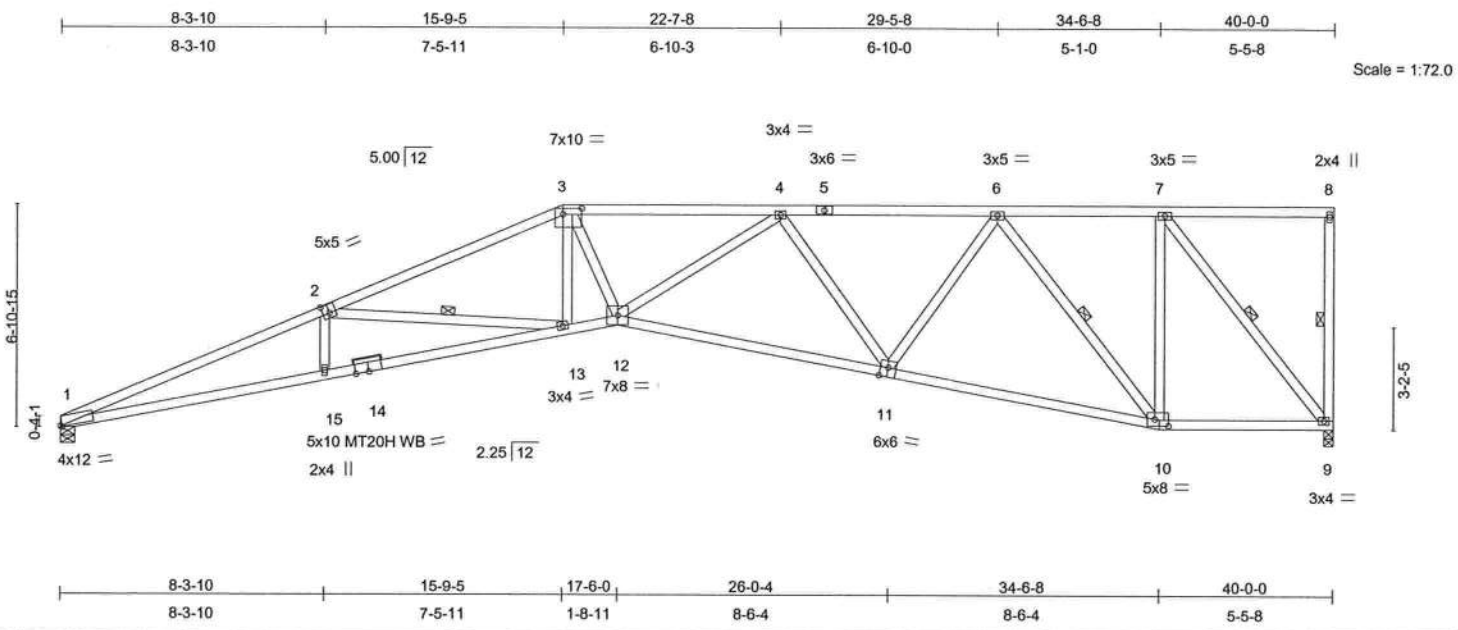


Plate Offsets (X,Y): [1:0-0-11,Edge], [2:0-2-8,0-3-4], [3:0-7-0,0-2-4], [10:0-5-4,0-2-8], [11:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.83	Vert(LL)	-0.44	13	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.99	Vert(TL)	-1.17	13-15	>405	180	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.85	Horz(TL)	0.60	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 215 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2 *Except* 1-2: 2 X 4 SYP 2400F 2.0E
BOT CHORD 2 X 4 SYP No.2 *Except* 1-14: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

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

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

REACTIONS (lb/size) 9=1585/0-3-8, 1=1585/0-5-8
Max Horz 1=214(LC 5)
Max Uplift9=-228(LC 4), 1=-135(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5776/594, 2-3=-4500/562, 3-4=-4527/587, 4-5=-2846/375, 5-6=-2846/375, 6-7=-1136/158, 7-8=-18/4, 8-9=-148/53
BOT CHORD 1-15=-683/5319, 14-15=-686/5280, 13-14=-679/5305, 12-13=-551/4161, 11-12=-530/3635, 10-11=-332/2220, 9-10=-158/1136
WEBS 2-15=0/343, 2-13=-1132/296, 3-13=-45/405, 3-12=-100/973, 4-12=-149/1164, 4-11=-1277/248, 6-11=-97/1197, 6-10=-1690/266, 7-10=-73/1075, 7-9=-1785/245

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 228 lb uplift at joint 9 and 135 lb uplift at joint 1.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A9	ROOF TRUSS	1	1	E5146007
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:41 2008 Page 1

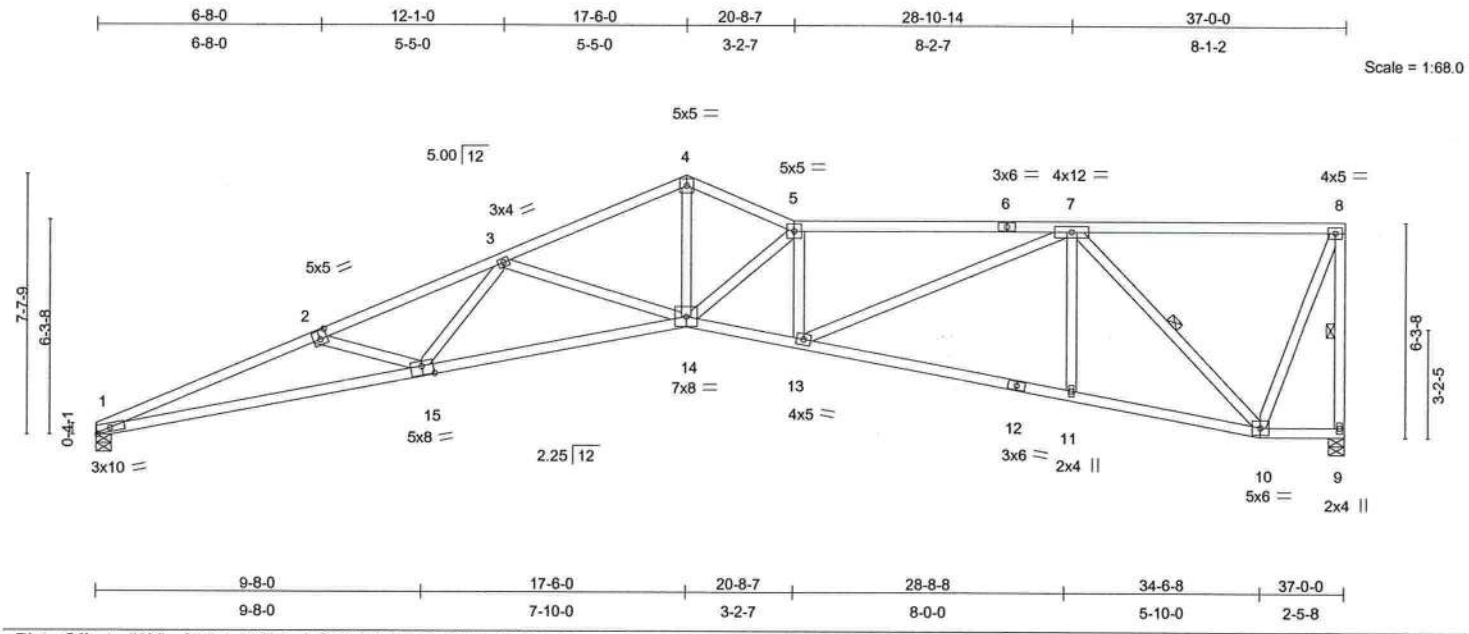


Plate Offsets (X,Y): [1:0-4-12,Edge], [2:0-2-8,0-3-0], [15:0-4-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.86	Vert(LL)	-0.43	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-1.13	14-15	>387	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.80	Horz(TL)	0.56	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 198 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
1-15: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

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

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

REACTIONS (lb/size) 9=1465/0-5-8, 1=1465/0-5-8
Max Horz 1=210(LC 5)
Max Uplift9=-186(LC 4), 1=-142(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5235/650, 2-3=-4839/520, 3-4=-3611/370, 4-5=-3590/383, 5-6=-3907/422, 6-7=-3907/422, 7-8=-504/54, 8-9=-1404/179
BOT CHORD 1-15=-767/4838, 14-15=-559/4184, 13-14=-440/4029, 12-13=-245/1992, 11-12=-252/1965, 10-11=-249/1992, 9-10=-15/44
WEBS 2-15=-382/205, 3-15=-18/602, 3-14=-893/229, 4-14=-243/2492, 5-14=-922/156, 5-13=-1107/187, 7-13=-221/2133, 7-11=0/312, 7-10=-2105/273, 8-10=-108/1278

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 186 lb uplift at joint 9 and 142 lb uplift at joint 1.

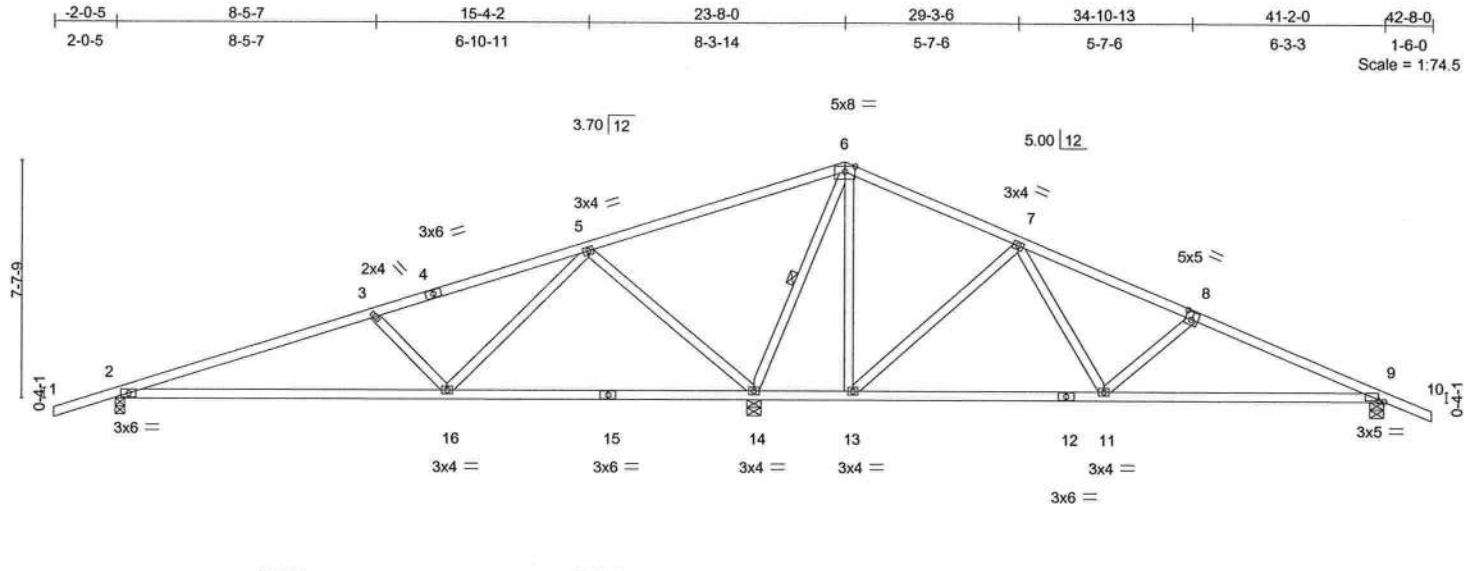
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	E5146008
CUNRES	B	ROOF TRUSS	2	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:42 2008 Page 1



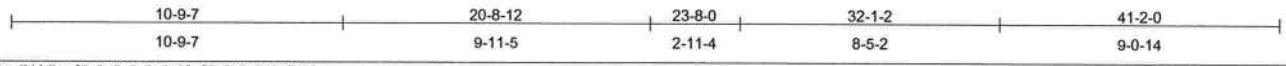


Plate Offsets (X,Y): [8:0-2-8,0-3-0], [9:0-2-2,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.62	Vert(LL)	0.37	2-16	>676	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.66	Vert(TL)	-0.65	2-16	>378	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.94	Horz(TL)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 203 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-7-3 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-14

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

REACTIONS (lb/size) 2=651/0-3-8, 14=2246/0-5-8, 9=601/0-5-8
Max Horz 2=-108(LC 6)
Max Uplift2=-366(LC 5), 14=-650(LC 3), 9=-110(LC 6)
Max Grav 2=701(LC 7), 14=2246(LC 1), 9=698(LC 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-932/429, 3-4=-565/339, 4-5=-453/357, 5-6=-286/1122, 6-7=-194/524, 7-8=-670/54, 8-9=-966/37, 9-10=0/34
BOT CHORD 2-16=-437/823, 15-16=-315/159, 14-15=-315/159, 13-14=-423/310, 12-13=-208/304, 11-12=-208/304, 9-11=0/827
WEBS 3-16=-506/212, 5-16=-452/839, 5-14=-999/475, 6-14=-1560/256, 6-13=-15/541, 7-13=-686/171, 7-11=-19/562, 8-11=-384/157

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; porch left exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 366 lb uplift at joint 2, 650 lb uplift at joint 14 and 110 lb uplift at joint 9.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

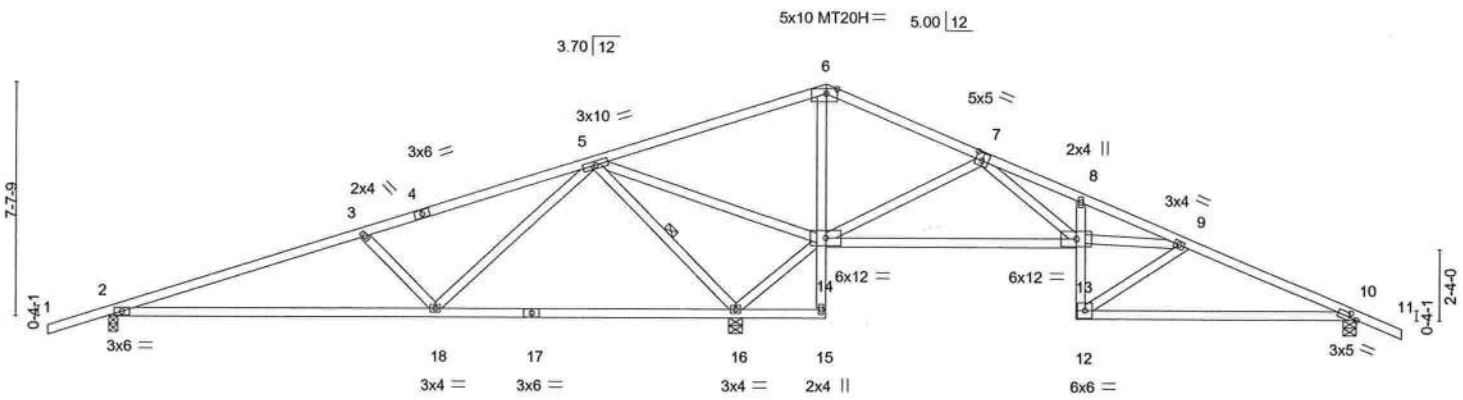
December 10,2008

Job	Truss	Truss Type	Qty	Ply	E5146009
CUNRES	B1	ROOF TRUSS	1	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:43 2008 Page 1

-2-0-5	8-5-7	16-0-11	23-8-0	28-9-15	31-11-0	35-6-0	41-2-0	42-8-0
2-0-5	8-5-7	7-7-5	7-7-5	5-1-15	3-1-1	3-7-0	5-8-0	1-6-0

Scale = 1:75.7



10-9-7	20-8-12	23-8-0	31-11-0	41-2-0
10-9-7	9-11-5	2-11-4	8-3-0	9-3-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	0.37	2-18	>670	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.90	Vert(TL)	-0.65	2-18	>379	180	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 215 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
6-15,8-12: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 12-13,10-12.
WEBS 1 Row at midpt 5-16

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

REACTIONS (lb/size) 2=590/0-3-8, 10=539/0-5-8, 16=2368/0-5-8
Max Horz 2=-108(LC 6)
Max Uplift2=-415(LC 5), 10=-137(LC 6), 16=-560(LC 3)
Max Grav 2=713(LC 7), 10=594(LC 8), 16=2368(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-980/596, 3-4=-599/501, 4-5=-478/521, 5-6=-170/977, 6-7=-174/986, 7-8=-876/39, 8-9=-819/128, 9-10=-731/106, 10-11=0/34
BOT CHORD 2-18=-596/871, 17-18=-677/104, 16-17=-677/104, 15-16=-114/2, 14-15=-69/54, 6-14=-1029/238, 13-14=-370/277, 12-13=0/449, 8-13=-175/55, 10-12=-14/619
WEBS 3-18=-538/223, 5-18=-483/905, 5-16=-1380/393, 14-16=-1850/321, 5-14=0/659, 7-14=-777/148, 7-13=0/1037, 9-13=-165/625, 9-12=-645/49

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; porch left exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 415 lb uplift at joint 2, 137 lb uplift at joint 10 and 560 lb uplift at joint 16.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	B2	ROOF TRUSS	1	1	E5146010

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:44 2008 Page 1

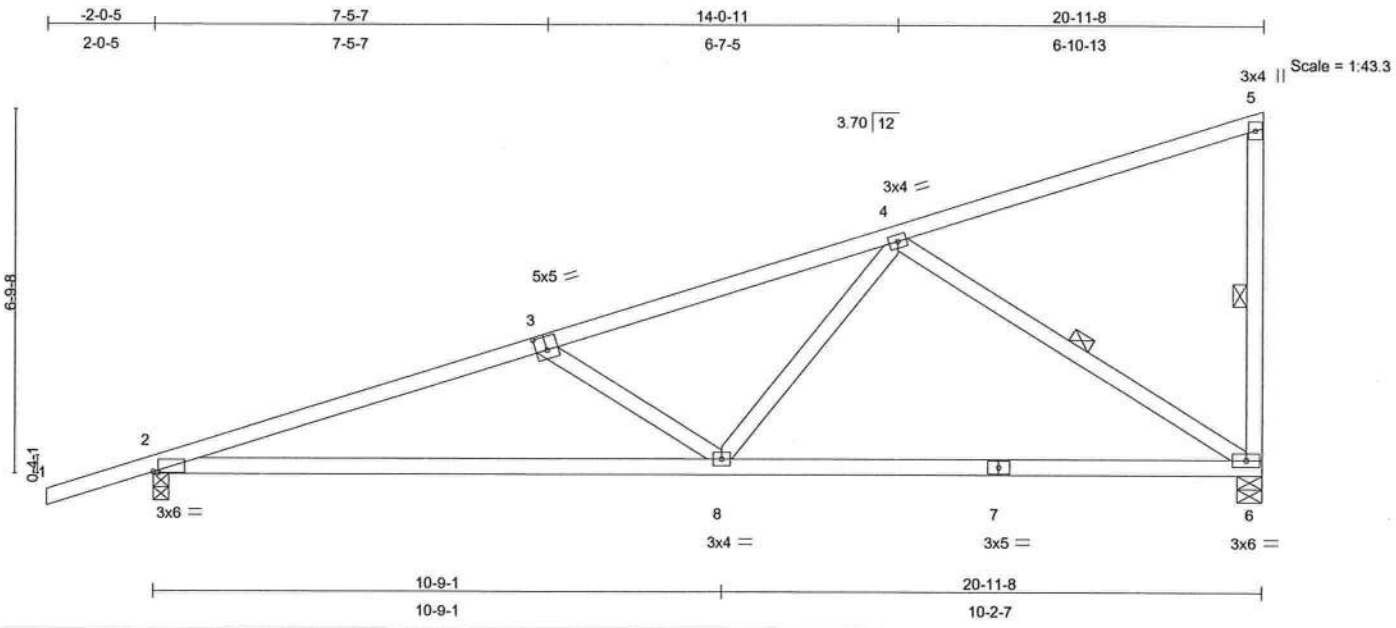


Plate Offsets (X,Y): [2:0-1-1,0-0-3], [3:0-2-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.70	Vert(LL)	0.35	2-8	>708	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.79	Vert(TL)	-0.64	2-8	>389	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.33	Horz(TL)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 102 lb	

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

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

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

REACTIONS (lb/size) 6=820/0-5-8, 2=964/0-3-8
Max Horz 2=237(LC 3)
Max Uplift6=-411(LC 3), 2=-445(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1859/716, 3-4=-1409/600, 4-5=-106/14, 5-6=-177/74
BOT CHORD 2-8=-844/1714, 7-8=-439/892, 6-7=-439/892
WEBS 3-8=-516/221, 4-8=-372/727, 4-6=-1014/495

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 411 lb uplift at joint 6 and 445 lb uplift at joint 2.

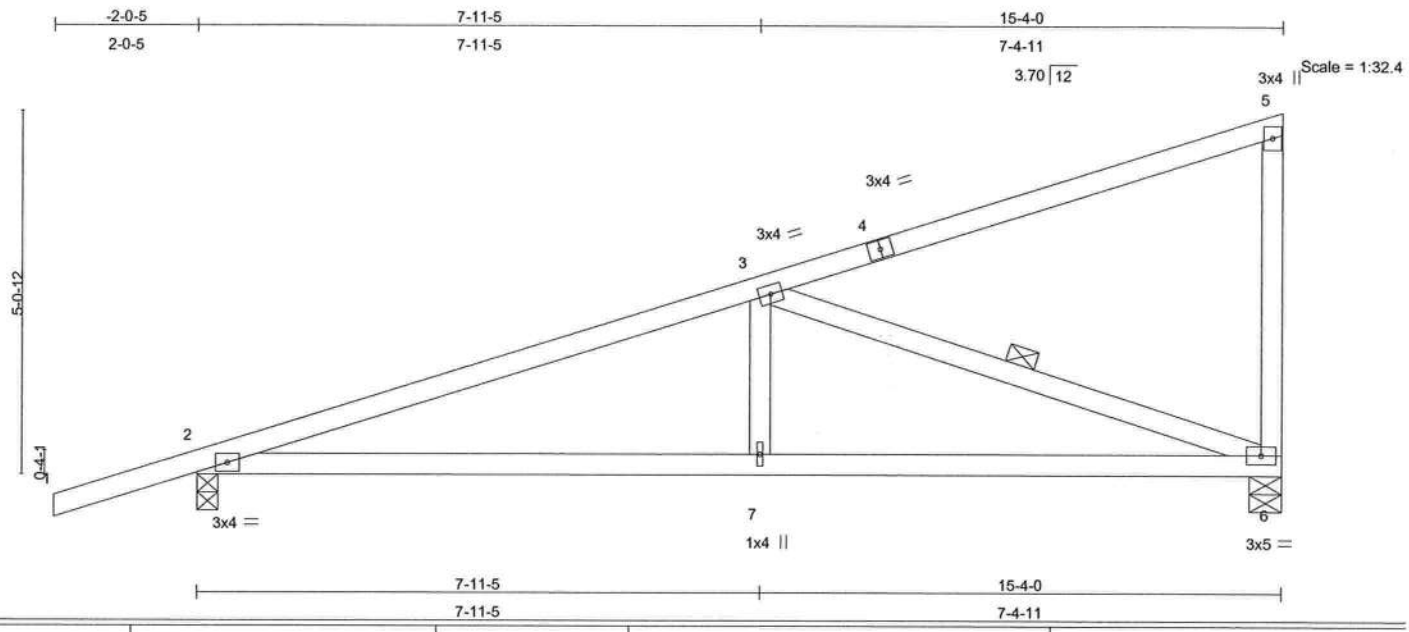
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	E5146011
CUNRES	B3	ROOF TRUSS	1	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:44 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.58	Vert(LL)	0.14	2-7	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.25	2-7	>731	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 71 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-2-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-6-10 oc bracing.
WEBS 1 Row at midpt 3-6

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

REACTIONS (lb/size) 6=592/0-5-8, 2=742/0-3-8
Max Horz 2=181(LC 3)
Max Uplift6=-296(LC 3), 2=-351(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1174/443, 3-4=-123/0, 4-5=-52/5, 5-6=-178/74
BOT CHORD 2-7=-525/1057, 6-7=-525/1057
WEBS 3-7=-130/338, 3-6=-1065/528

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 296 lb uplift at joint 6 and 351 lb uplift at joint 2.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	BET	GABLE	1	1	E5146012
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL., x — 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 14:36:29 2008 Page 1

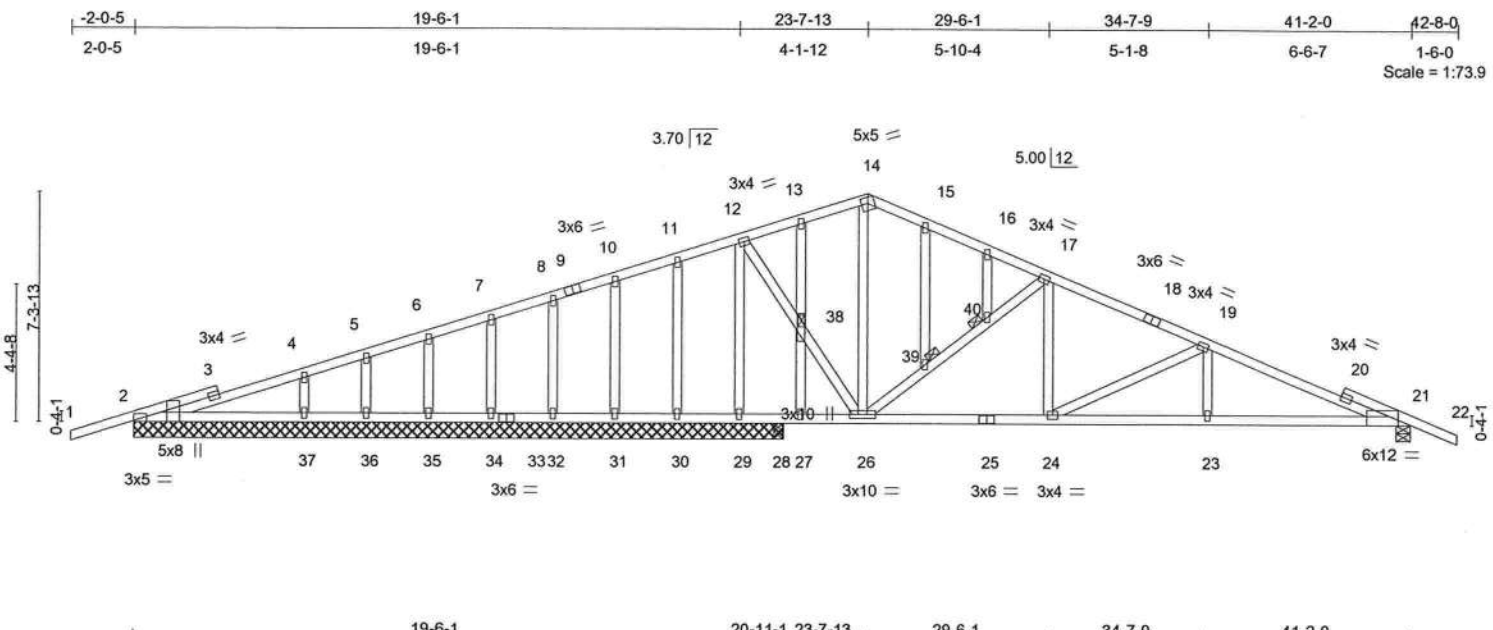


Plate Offsets (X,Y): [2:0-5-2,Edge], [2:0-3-8,Edge], [14:0-2-8,0-2-5], [21:0-3-2,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.38	Vert(LL)	0.07	21-23	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.19	21-23	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.57	Horz(TL)	-0.02	28	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 244 lb	

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 4-8-11 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 24-26,23-24,21-23.
JOINTS	1 Brace at Jt(s): 38, 39, 40

REACTIONS (lb/size) 2=215/20-11-8, 29=874/20-11-8, 37=352/20-11-8, 36=70/20-11-8, 35=183/20-11-8, 34=154/20-11-8, 32=166/20-11-8, 31=139/20-11-8, 30=215/20-11-8, 21=820/0-5-8, 28=312/0-3-8
Max Horz 2=133(LC 3)
Max Uplift 2=-150(LC 3), 29=-198(LC 6), 37=-96(LC 3), 36=-48(LC 5), 35=-64(LC 3), 34=-60(LC 3), 32=-62(LC 5), 31=-59(LC 3), 30=-66(LC 5), 21=-337(LC 6), 28=-83(LC 5)
Max Grav 2=269(LC 9), 29=874(LC 1), 37=374(LC 9), 36=70(LC 1), 35=185(LC 9), 34=154(LC 1), 32=166(LC 1), 31=148(LC 9), 30=215(LC 1), 21=820(LC 1), 28=312(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/34, 2-3=-208/486, 3-4=-199/539, 4-5=-151/502, 5-6=-129/519, 6-7=-97/515, 7-8=-68/516, 8-9=-38/483, 9-10=-35/515, 10-11=-9/519, 11-12=0/505, 12-13=-59/170, 13-14=-70/183, 14-15=-51/167, 15-16=-79/151, 16-17=-119/138, 17-18=-680/319, 18-19=-787/301, 19-20=-1381/458, 20-21=-1421/433, 21-22=0/34

BOT CHORD 2-37=-476/292, 36-37=-476/292, 35-36=-476/292, 34-35=-476/292, 33-34=-476/292, 32-33=-476/292, 31-32=-476/292, 30-31=-476/292, 29-30=-476/292, 28-29=-476/292, 27-28=-476/292, 26-27=-476/292, 25-26=-84/666, 24-25=-84/666, 23-24=-322/1275, 21-23=-322/1275

WEBS 12-29=-968/252, 12-38=-207/908, 26-38=-216/938, 14-26=-173/24, 26-39=-791/331, 39-40=-768/319, 17-40=-752/308, 17-24=-57/443, 19-24=-674/264, 19-23=0/244, 4-37=-265/143, 5-36=-64/55, 6-35=-136/87, 7-34=-116/80, 8-32=-124/81, 10-31=-112/80, 11-30=-154/81, 13-38=-147/60, 27-38=-181/63, 15-39=-38/20, 16-40=-26/17

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; porch left exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 150 lb uplift at joint 2, 198 lb uplift at joint 29, 96 lb uplift at joint 37, 48 lb uplift at joint 36, 64 lb uplift at joint 35, 60 lb uplift at joint 34, 62 lb uplift at joint 32, 59 lb uplift at joint 31, 66 lb uplift at joint 30, 337 lb uplift at joint 21 and 83 lb uplift at joint 28.

Continued on page 2

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	E5146013
CUNRES	C	ROOF TRUSS	1	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:47 2008 Page 1

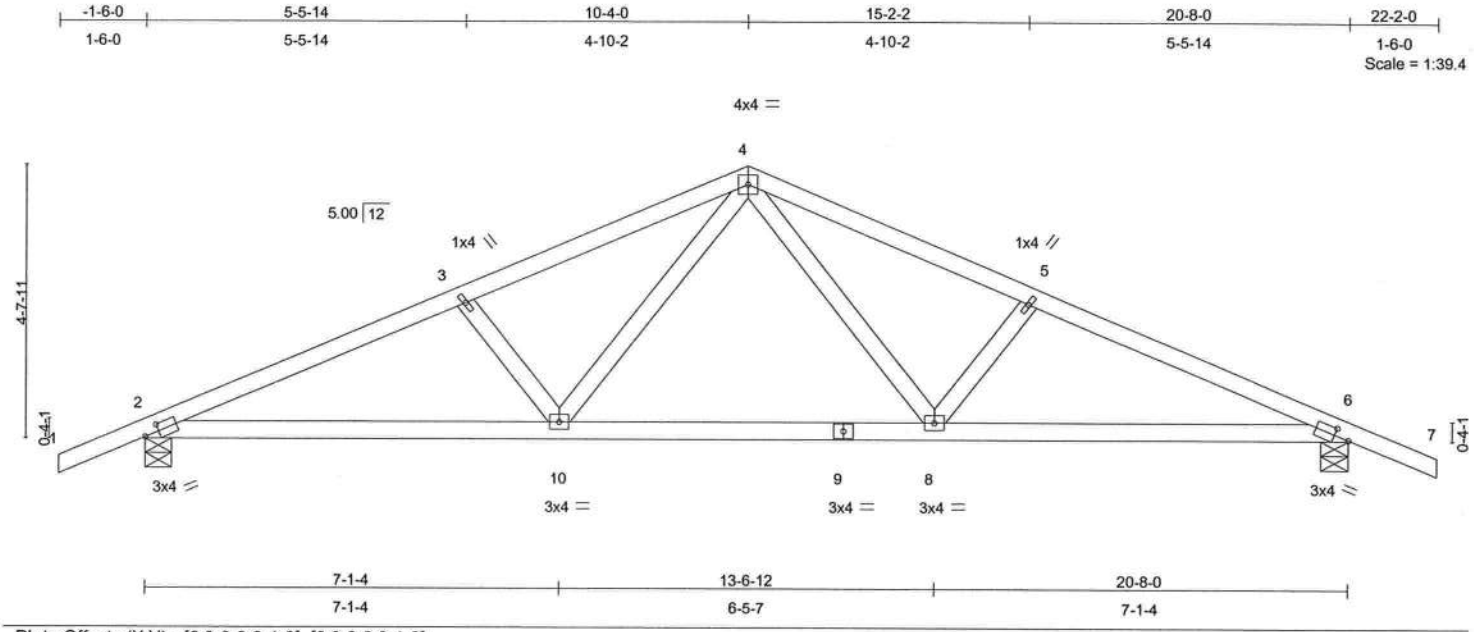


Plate Offsets (X,Y): [2:0-3-0,0-1-8], [6:0-3-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.19	Vert(LL)	-0.06	6-8	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.17	6-8	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 92 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-10 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=912/0-5-8, 6=912/0-5-8
Max Horz 2=73(LC 5)
Max Uplift2=-160(LC 5), 6=-160(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1550/154, 3-4=-1363/143, 4-5=-1363/144, 5-6=-1550/154, 6-7=0/34
BOT CHORD 2-10=-135/1365, 9-10=-38/941, 8-9=-38/941, 6-8=-63/1365
WEBS 3-10=-286/126, 4-10=-37/460, 4-8=-37/460, 5-8=-286/126

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint 2 and 160 lb uplift at joint 6.

LOAD CASE(S) Standard

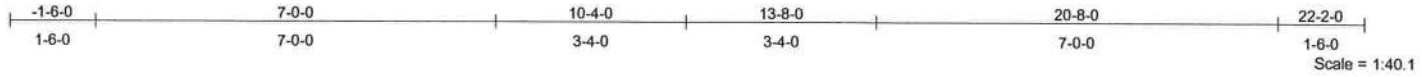
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

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

Job	Truss	Truss Type	Qty	Ply	E5146014
CUNRES	C1	ROOF TRUSS	1	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:48 2008 Page 1



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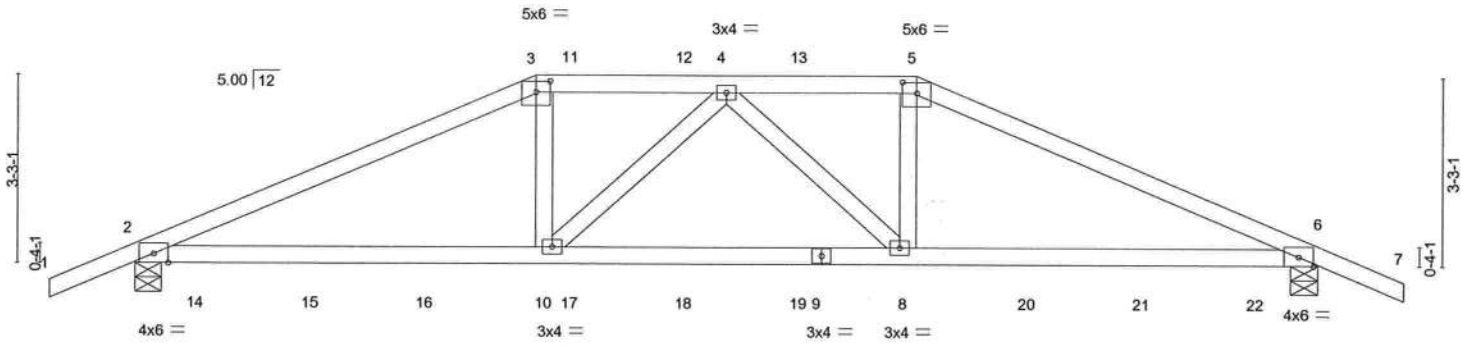


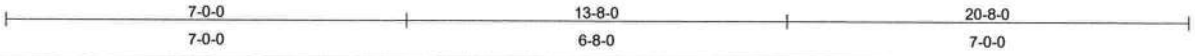


Plate Offsets (X,Y): [3:0-3-0,0-2-4], [5:0-3-0,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	-0.14	6-8	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.91	Vert(TL)	-0.41	6-8	>593	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.21	Horz(TL)	0.10	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 88 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-7-13 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=1661/0-5-8, 6=1624/0-5-8
Max Horz 2=-57(LC 6)
Max Uplift2=-408(LC 5), 6=-393(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-3150/750, 3-11=-2845/719, 11-12=-2845/719, 4-12=-2844/719, 4-13=-2758/683, 5-13=-2759/683, 5-6=-3054/709, 6-7=0/34
BOT CHORD 2-14=-652/2822, 14-15=-652/2822, 15-16=-652/2822, 10-16=-652/2822, 10-17=-681/2944, 17-18=-681/2944, 18-19=-681/2944, 9-19=-681/2944, 8-9=-681/2944, 8-20=-575/2734, 20-21=-575/2734, 21-22=-575/2734, 6-22=-575/2734
WEBS 3-10=0/665, 4-10=-269/103, 4-8=-387/144, 5-8=-32/663

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 408 lb uplift at joint 2 and 393 lb uplift at joint 6.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 257 lb down and 152 lb up at 7-0-0, 125 lb down and 73 lb up at 7-7-4, 125 lb down and 73 lb up at 9-7-4, and 125 lb down and 73 lb up at 11-7-4, and 257 lb down and 152 lb up at 13-8-0 on top chord, and 98 lb down at 1-0-12, 107 lb down at 3-0-12, 94 lb down at 5-0-12, 94 lb down at 7-0-12, 94 lb down at 7-7-4, 94 lb down at 9-7-4, 94 lb down at 11-7-4, 94 lb down at 13-7-4, 94 lb down at 15-7-4, and 107 lb down at 17-7-4, and 98 lb down at 19-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Continued on page 2

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-60, 3-5=-60, 5-7=-60, 2-6=-20

Concentrated Loads (lb)

Vert: 3=-257(B) 5=-257(B) 10=-47(B) 8=-47(B) 11=-125(B) 12=-125(B) 13=-125(B) 14=-49(B) 15=-72(B) 16=-47(B) 17=-47(B) 18=-47(B) 19=-47(B) 20=-47(B) 21=-72(B) 22=-49(B)

Job	Truss	Truss Type	Qty	Ply	E5146015
CUNRES	C2	ROOF TRUSS	1	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:48 2008 Page 1

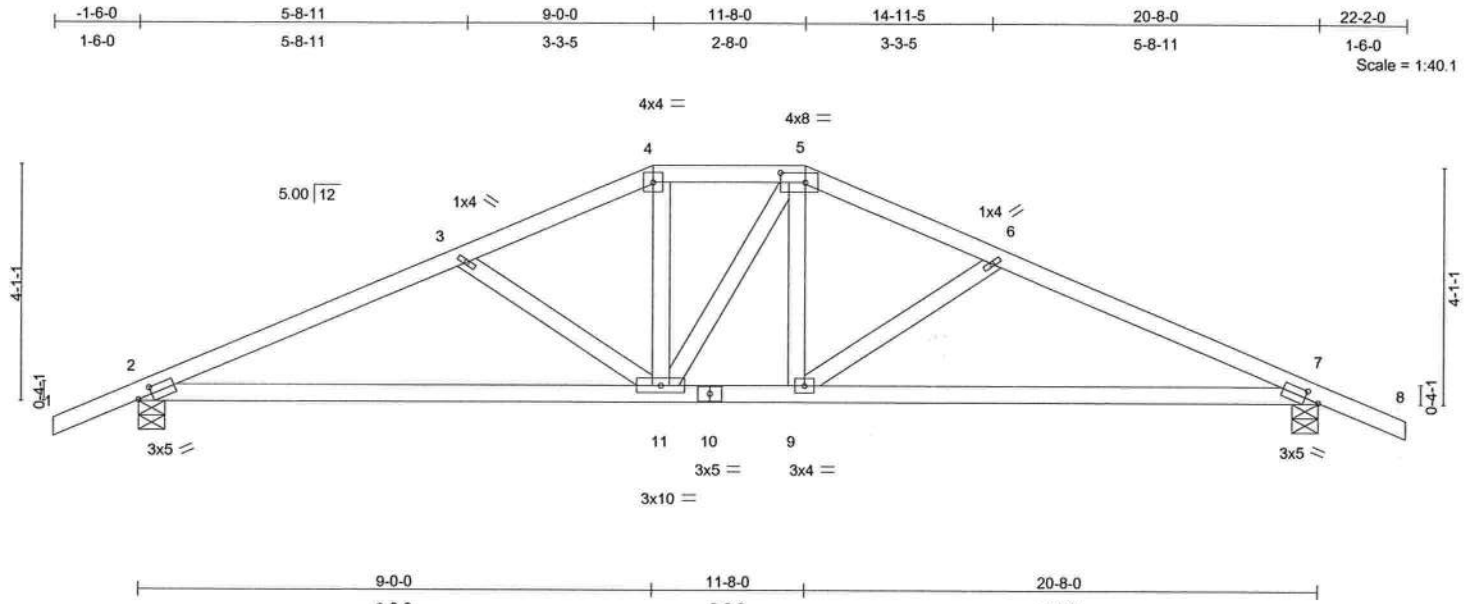


Plate Offsets (X,Y): [2:0-3-0,0-1-8], [5:0-5-4,0-2-0], [7:0-3-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.14	7-9	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.39	7-9	>617	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.05	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 97 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-12 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=912/0-5-8, 7=912/0-5-8
Max Horz 2=-67(LC 6)
Max Uplift2=-153(LC 5), 7=-153(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1490/146, 3-4=-1203/99, 4-5=-1074/101, 5-6=-1201/99, 6-7=-1490/147, 7-8=0/34
BOT CHORD 2-11=-117/1322, 10-11=-0/1072, 9-10=-0/1072, 7-9=-66/1322
WEBS 3-11=-316/123, 4-11=-3/311, 5-11=-94/99, 5-9=-8/312, 6-9=-318/123

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 153 lb uplift at joint 2 and 153 lb uplift at joint 7.

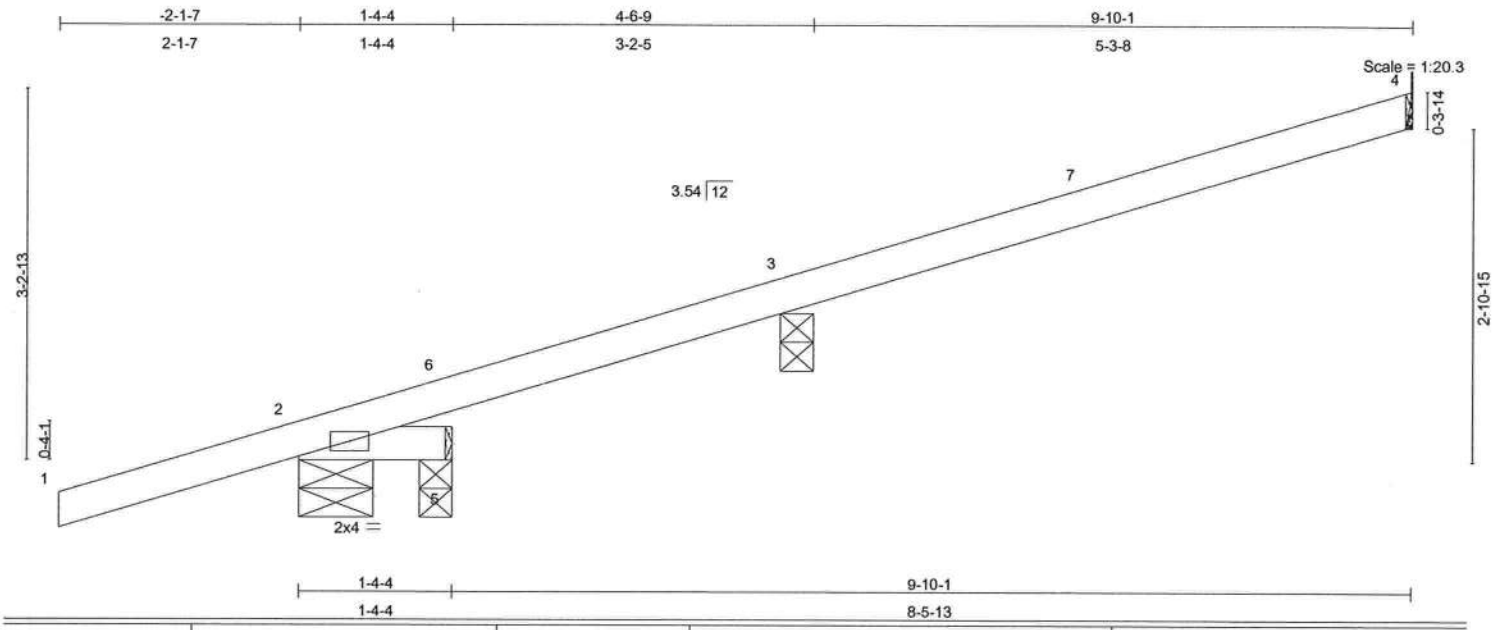
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	E5146016
CUNRES	CJ01	ROOF TRUSS	4	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:49 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.63	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.02	Vert(TL)	-0.00	2	>999	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 21 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-4-4 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) 4=192/Mechanical, 2=252/0-7-12, 5=22/0-3-8, 3=720/0-3-8
Max Horz 2=124(LC 3)
Max Uplift4=-89(LC 3), 2=-82(LC 3), 3=-253(LC 4)
Max Grav 4=192(LC 1), 2=252(LC 1), 5=44(LC 2), 3=720(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-6=-90/0, 3-6=-73/45, 3-7=-80/2, 4-7=-33/45
BOT CHORD 2-5=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 89 lb uplift at joint 4, 82 lb uplift at joint 2 and 253 lb uplift at joint 3.
5) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 28 lb down and 31 lb up at 4-2-8, 257 lb down and 79 lb up at 4-2-8, 88 lb down and 59 lb up at 7-0-7, 63 lb down and 42 lb up at 7-0-7, and 22 lb down at 1-4-9, and 22 lb down at 1-4-9 on top chord, and 19 lb down at 1-3-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 5=-9(F) 3=-284(F=-28, B=-257) 7=-151(F=-88, B=-63)

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	CJ09	ROOF TRUSS	1	1	E5146017
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL., x — 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 14:37:11 2008 Page 1

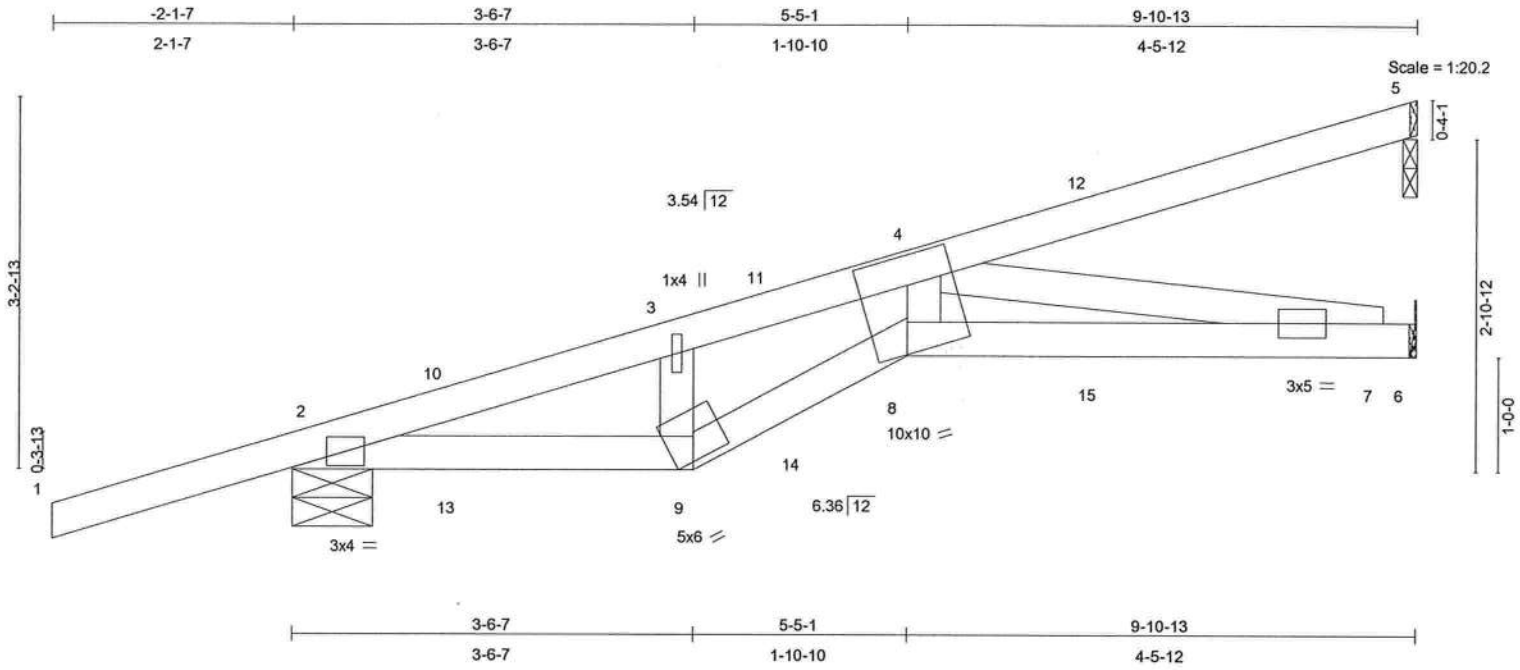


Plate Offsets (X,Y): [8:0-4-0,0-6-12], [9:0-3-0,0-2-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.80	Vert(LL)	-0.13	7-8	>885	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.85	Vert(TL)	-0.35	7-8	>324	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.34	Horz(TL)	0.12	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 42 lb	

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

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

REACTIONS (lb/size) 5=222/0-1-8, 2=575/0-8-8, 6=261/Mechanical
Max Horz 2=124(LC 3)
Max Uplift 5=-59(LC 3), 2=-109(LC 3), 6=-2(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-10=-1195/14, 3-10=-1143/29, 3-11=-1172/32, 4-11=-1134/40, 4-12=-59/0, 5-12=-24/55
BOT CHORD 2-13=-75/1107, 9-13=-75/1107, 9-14=-68/1092, 8-14=-60/1094, 8-15=-82/1011, 7-15=-82/1011, 6-7=0/0
WEBS 3-9=-229/18, 4-8=0/336, 4-7=-1024/83

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 59 lb uplift at joint 5, 109 lb uplift at joint 2 and 2 lb uplift at joint 6.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 42 lb down at 4-3-4, 42 lb down at 4-3-4, 99 lb down and 24 lb up at 7-1-3, 99 lb down and 24 lb up at 7-1-3, and 22 lb down at 1-5-4, and 22 lb down at 1-5-4 on top chord, and 20 lb up at 1-5-4, 20 lb up at 1-5-4, 31 lb up at 4-3-4, 31 lb up at 4-3-4, and 17 lb up at 7-1-3, and 17 lb up 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: 1-5=-60, 2-9=-20, 8-9=-20, 6-8=-20
Concentrated Loads (lb)
Vert: 11=-19(F=-10, B=-10) 12=-199(F=-99, B=-99) 13=20(F=10, B=10) 14=31(F=15, B=15) 15=17(F=9, B=9)

MARVIN A. STRZYZEWSKI LICENSE No 43144 STATE OF FLORIDA PROFESSIONAL ENGINEER

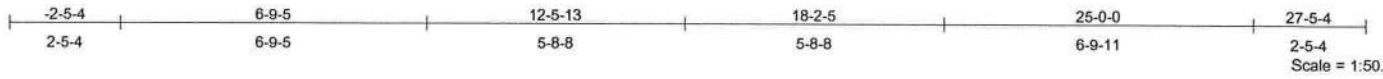
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

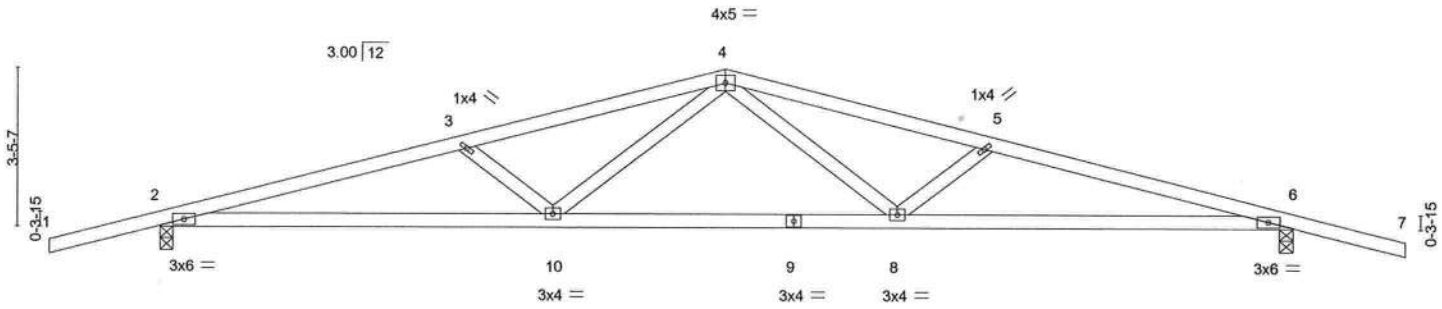
December 10,2008

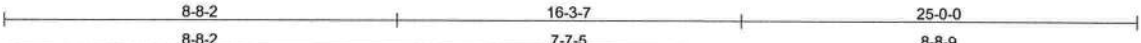
Job	Truss	Truss Type	Qty	Ply	
CUNRES	D	ROOF TRUSS	3	1	E5146018

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:51 2008 Page 1







LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	0.29	6-8	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.64	Vert(TL)	-0.51	8-10	>586	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.22	Horz(TL)	0.11	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 105 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-10-1 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=1143/0-3-8, 6=1143/0-3-8
Max Horz 2=-59(LC 6)
Max Uplift2=-538(LC 3), 6=-538(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-2885/1183, 3-4=-2542/1098, 4-5=-2541/1098, 5-6=-2882/1182, 6-7=0/34
BOT CHORD 2-10=-1130/2745, 9-10=-728/1908, 8-9=-728/1908, 6-8=-1080/2742
WEBS 3-10=-441/170, 4-10=-355/696, 4-8=-355/697, 5-8=-439/169

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 538 lb uplift at joint 2 and 538 lb uplift at joint 6.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

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

Job	Truss	Truss Type	Qty	Ply	
CUNRES	DET	GABLE	1	1	E5146019

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL., x

7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 14:38:52 2008 Page 1

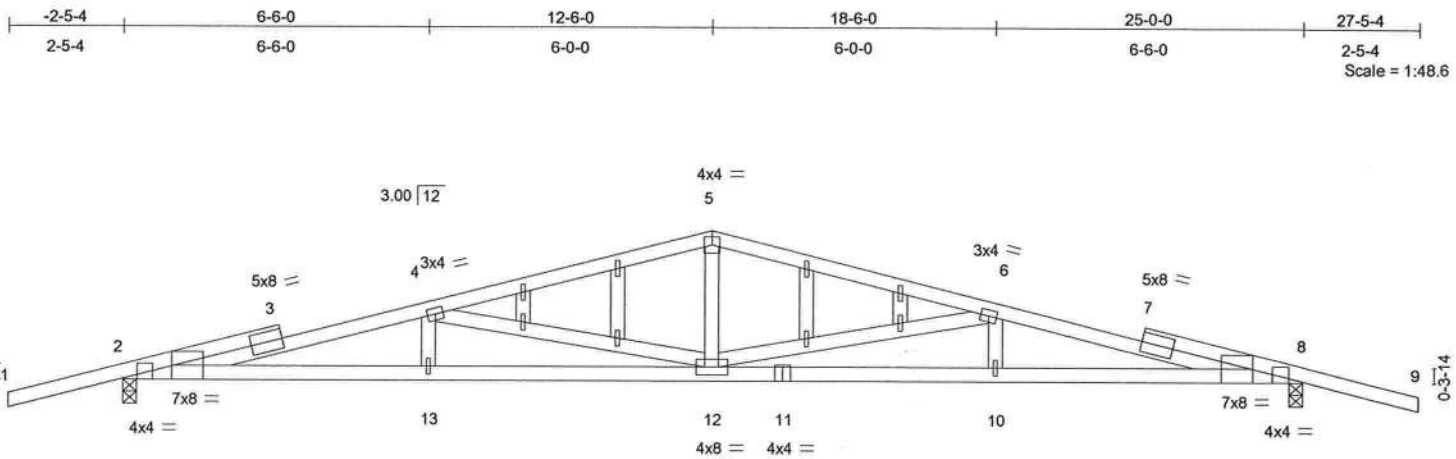


Plate Offsets (X,Y): [2:0-0-7,Edge], [2:0-5-6,Edge], [8:0-0-7,Edge], [8:0-5-6,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.91	Vert(LL)	0.49	12-13	>610	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.82	Vert(TL)	-0.74	10-12	>398	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.15	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 121 lb	

LUMBER

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

BRACING

TOP CHORD	Structural wood sheathing directly applied or 1-9-11 oc purlins.
BOT CHORD	Rigid ceiling directly applied or 4-4-3 oc bracing.

REACTIONS (lb/size) 2=1143/0-3-8, 8=1143/0-3-8
Max Horz 2=-71(LC 4)
Max Uplift 2=-733(LC 5), 8=-733(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/34, 2-3=-3546/2009, 3-4=-3512/2017, 4-5=-2276/1269, 5-6=-2276/1270, 6-7=-3512/2019, 7-8=-3546/2011, 8-9=0/34
BOT CHORD	2-13=-1963/3437, 12-13=-1963/3437, 11-12=-1902/3437, 10-11=-1902/3437, 8-10=-1902/3437
WEBS	4-13=-90/237, 4-12=-1305/841, 5-12=-439/730, 6-12=-1305/843, 6-10=-90/237

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) All plates are 1x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 733 lb uplift at joint 2 and 733 lb uplift at joint 8.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	EET	ROOF TRUSS 3x4 =	2	1	E5146020

SANTA FE TRUSS, HIGH SPRINGS, FL. Job Reference (optional)

7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:52 2008 Page 1

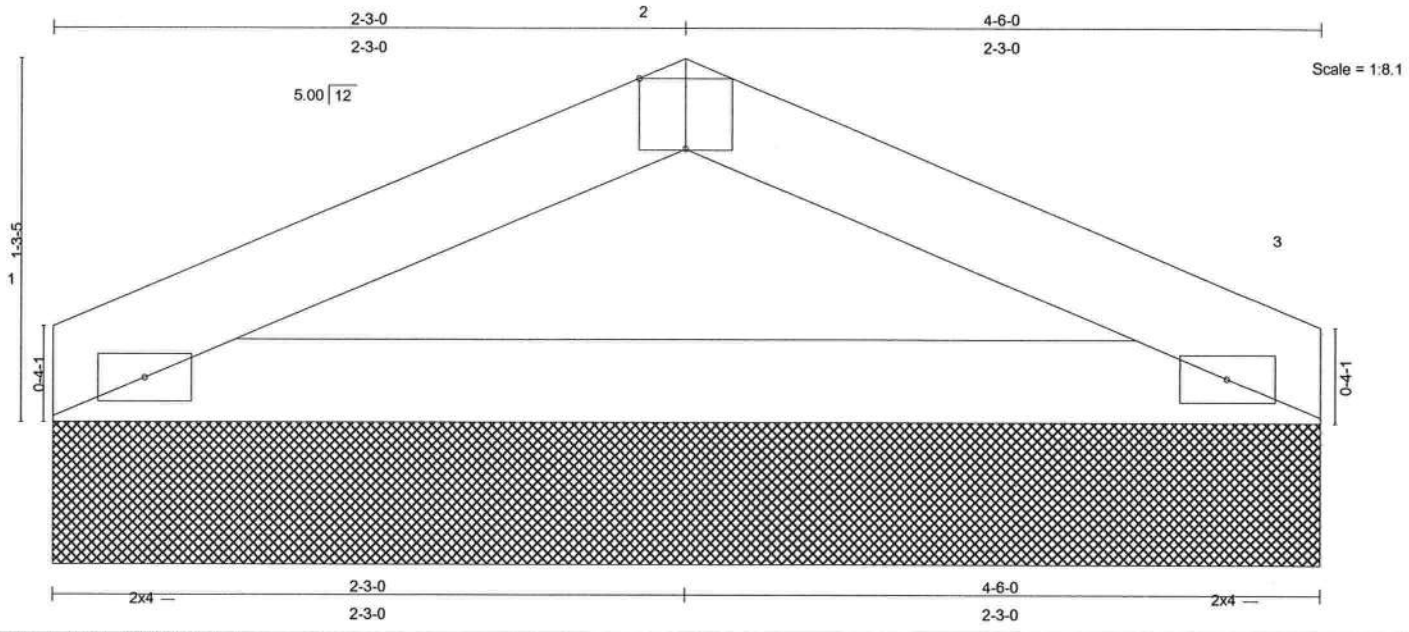


Plate Offsets (X,Y): [2:0-2-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.07	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.20	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 14 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-0 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=180/4-6-0, 3=180/4-6-0
Max Horz 1=11(LC 5)
Max Uplift1=-19(LC 5), 3=-19(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-192/53, 2-3=-192/53
BOT CHORD 1-3=-35/156

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 1 and 19 lb uplift at joint 3.

LOAD CASE(S) Standard

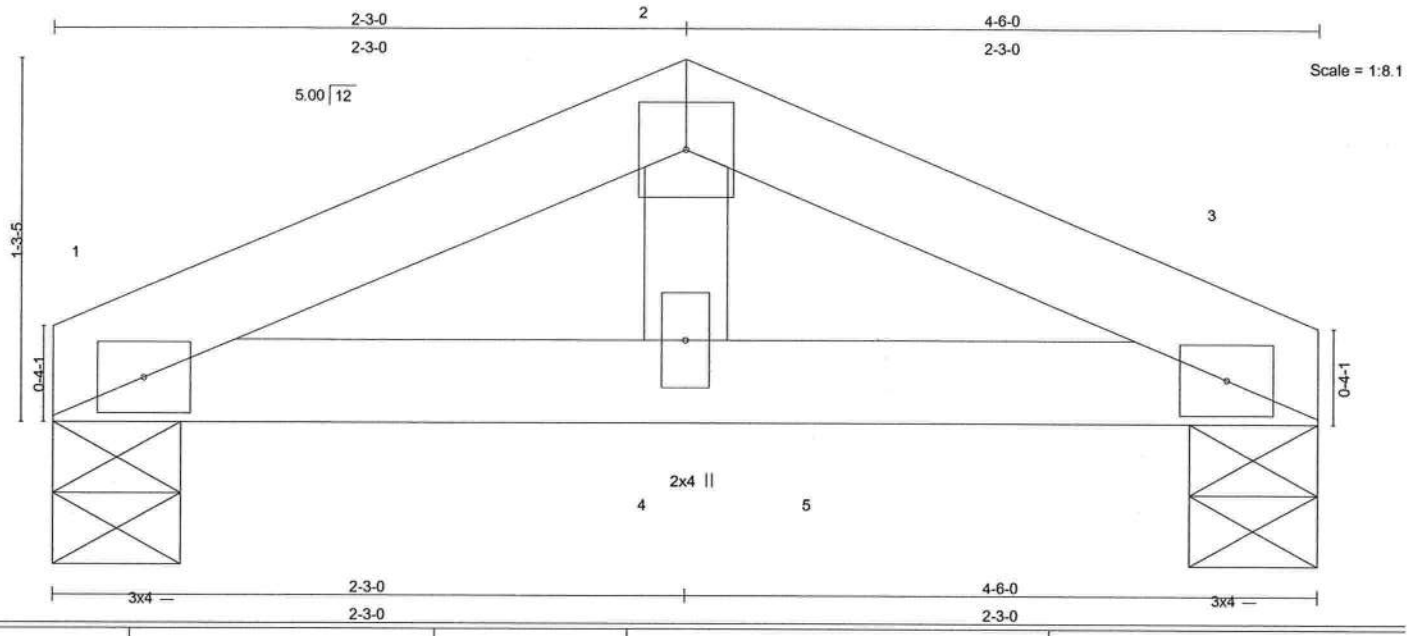
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	EGT	ROOF TRUSS 4x4 =	2	1	E5146021

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:52 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.07	Vert(LL)	-0.01	3-4	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.03	3-4	>999	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.25	Horz(TL)	0.01	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 15 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-0 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=838/0-5-8, 3=646/0-5-8
Max Horz 1=-11(LC 6)
Max Uplift1=-82(LC 5), 3=-85(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1041/132, 2-3=-1041/131
BOT CHORD 1-4=-105/920, 4-5=-105/920, 3-5=-105/920
WEBS 2-4=-76/764

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 82 lb uplift at joint 1 and 85 lb uplift at joint 3.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 340 lb down and 19 lb up at 0-2-12, and 308 lb down and 42 lb up at 2-1-8, and 513 lb down and 73 lb up at 2-10-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

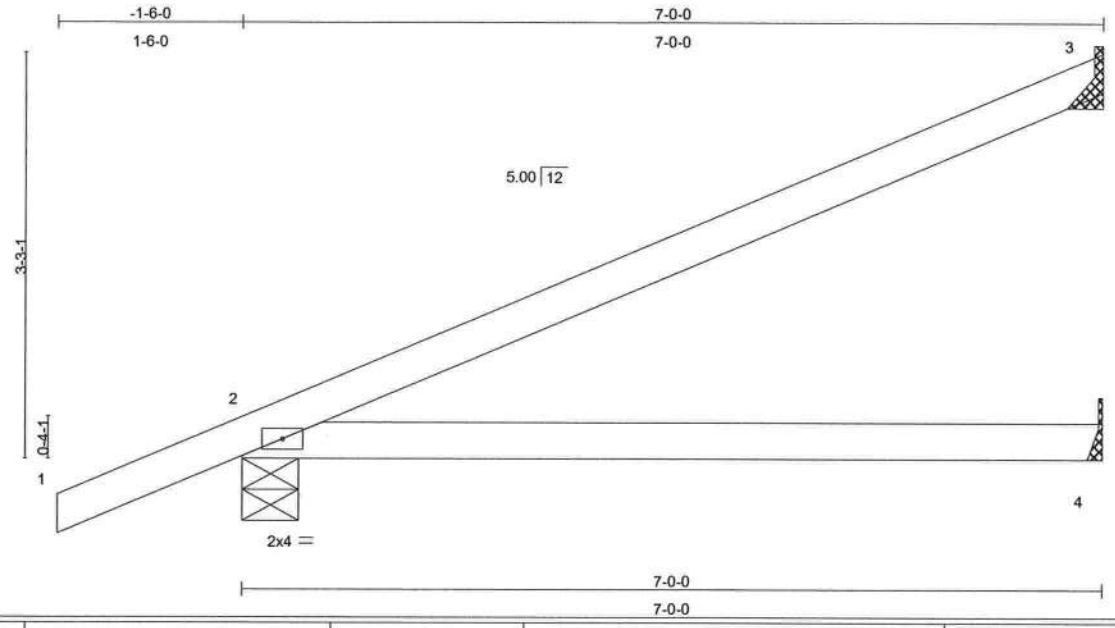
LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 1-3=-20
Concentrated Loads (lb)
Vert: 1=-340(B) 4=-308(B) 5=-513(B)

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	E5146022
CUNRES	EJ7	ROOF TRUSS	30	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:53 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.52	Vert(LL)	-0.11	2-4	>757	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.27	2-4	>303	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 24 lb	

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

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

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

REACTIONS (lb/size) 3=185/Mechanical, 2=383/0-5-8, 4=67/Mechanical
Max Horz 2=123(LC 5)
Max Uplift3=-83(LC 5), 2=-100(LC 5)
Max Grav 3=185(LC 1), 2=383(LC 1), 4=134(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-85/58
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 3 and 100 lb uplift at joint 2.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	EJ7A	ROOF TRUSS	4	1	E5146023
SANTA FE TRUSS, HIGH SPRINGS, FL.					Job Reference (optional)

7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:53 2008 Page 1

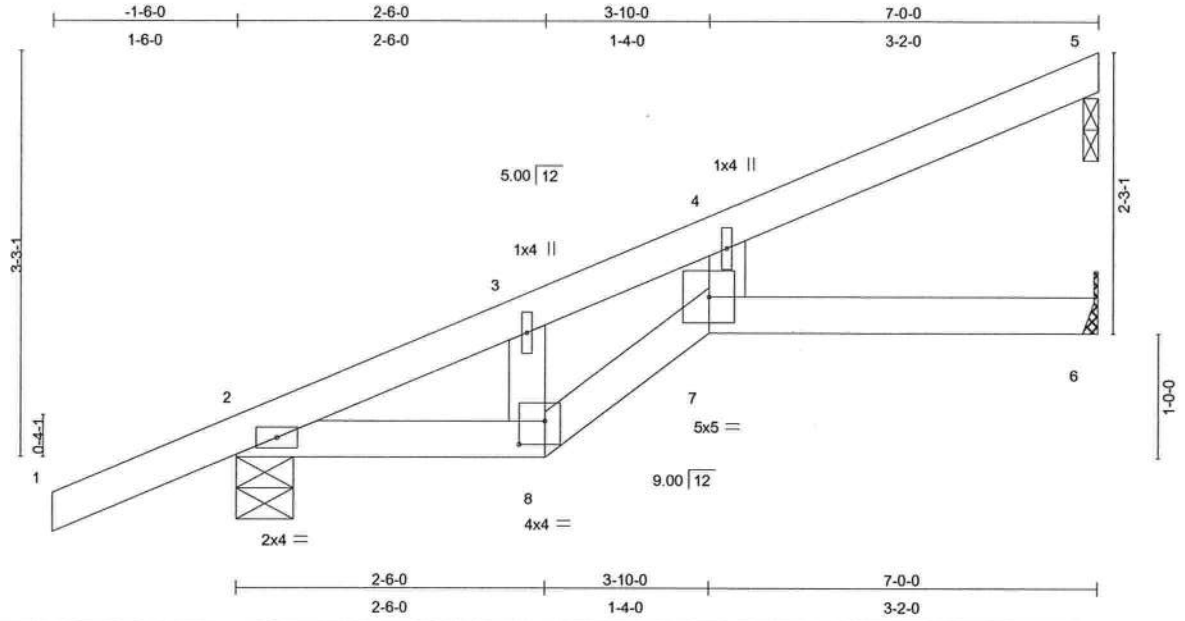


Plate Offsets (X,Y): [8:0-2-8,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.73	Vert(LL)	-0.17	7	>464	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.09	Vert(TL)	-0.43	7	>186	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

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

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

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

REACTIONS (lb/size) 5=224/0-1-8, 2=385/0-5-8, 6=31/Mechanical
Max Horz 2=124(LC 5)
Max Uplift5=-66(LC 5), 2=-101(LC 5)
Max Grav 5=224(LC 1), 2=385(LC 1), 6=62(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-118/0, 3-4=-58/0, 4-5=-36/79
BOT CHORD 2-8=0/15, 7-8=0/42, 6-7=-0/0
WEBS 3-8=0/56, 4-7=0/108

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 5 and 101 lb uplift at joint 2.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5.

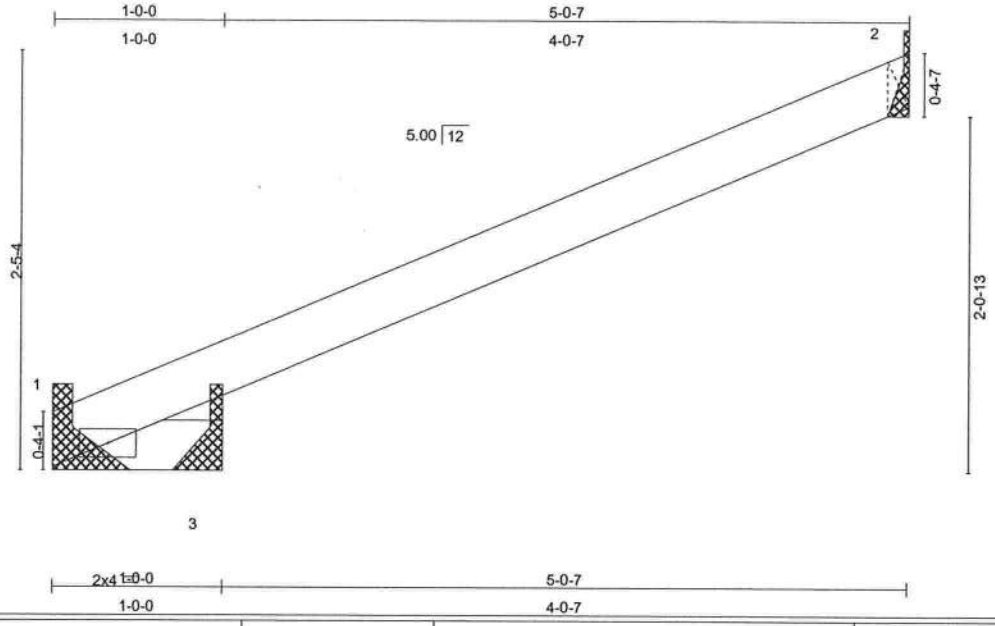
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	E5146024
CUNRES	J01	ROOF TRUSS	4	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:54 2008 Page 1



Scale = 1:13.5

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	-0.00	1	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	1	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 10 lb	

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

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

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

REACTIONS (lb/size) 1=157/Mechanical, 2=148/Mechanical, 3=9/Mechanical
Max Horz 1=68(LC 5)
Max Uplift1=-35(LC 5), 2=-69(LC 5)
Max Grav 1=157(LC 1), 2=148(LC 1), 3=19(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-46/46
BOT CHORD 1-3=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 1 and 69 lb uplift at joint 2.

LOAD CASE(S) Standard

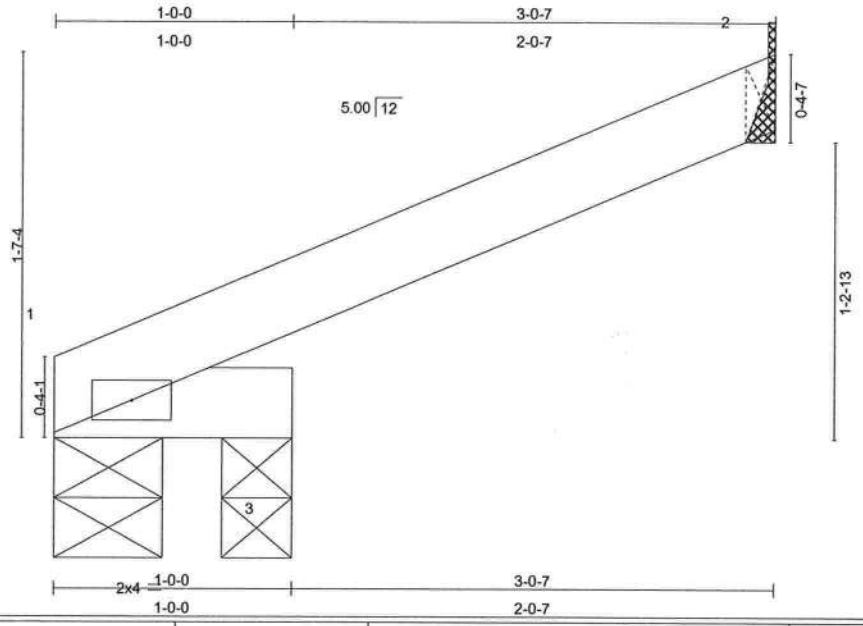
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	E5146025
CUNRES	J01A	ROOF TRUSS	4	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL.

7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:54 2008 Page 1



Scale = 1:9.7

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.00	1	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	1	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 7 lb	

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

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

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

REACTIONS (lb/size) 1=97/0-5-8, 2=88/Mechanical, 3=9/0-3-8
Max Horz 1=41(LC 5)
Max Uplift 1=-19(LC 5), 2=-41(LC 5)
Max Grav 1=97(LC 1), 2=88(LC 1), 3=19(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-28/28
BOT CHORD 1-3=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 1 and 41 lb uplift at joint 2.

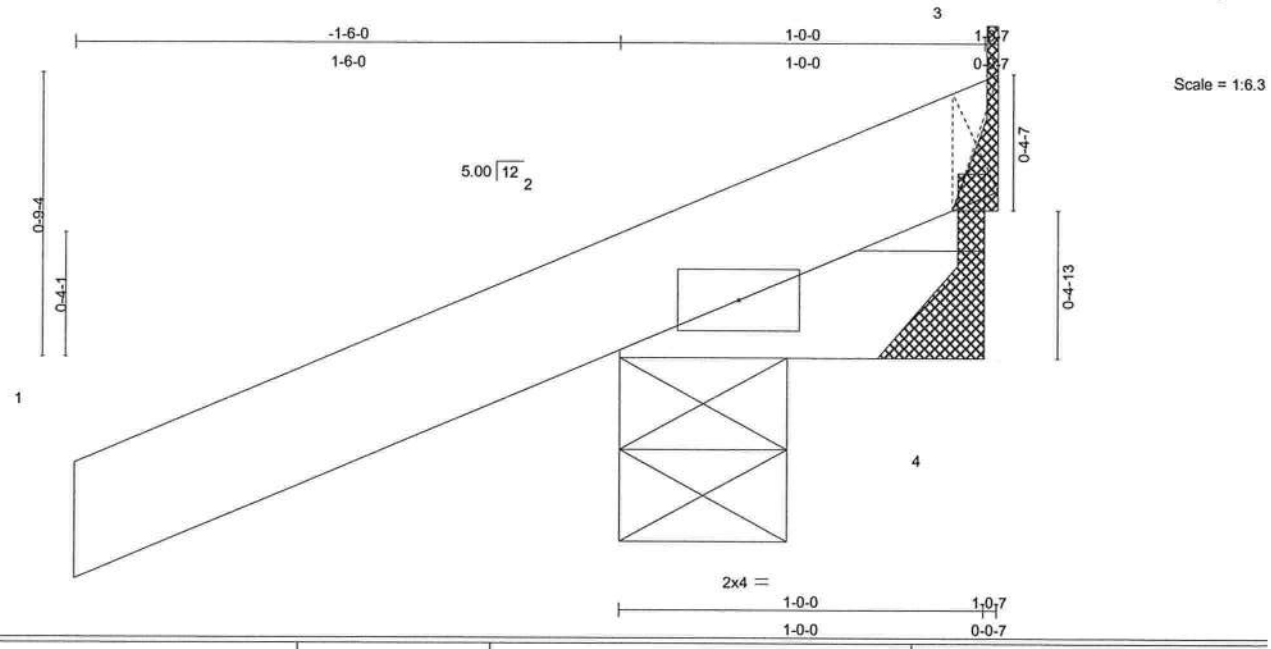
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	E5146026
CUNRES	J01B	ROOF TRUSS	4	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:55 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>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 FBC2004/TPI2002		(Matrix)							Weight: 6 lb	

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

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

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

REACTIONS (lb/size) 2=205/0-5-8, 4=9/Mechanical, 3=-44/Mechanical
Max Horz 2=45(LC 5)
Max Uplift2=-124(LC 5), 3=-44(LC 1)
Max Grav 2=205(LC 1), 4=19(LC 2), 3=44(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-44/18
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 124 lb uplift at joint 2 and 44 lb uplift at joint 3.

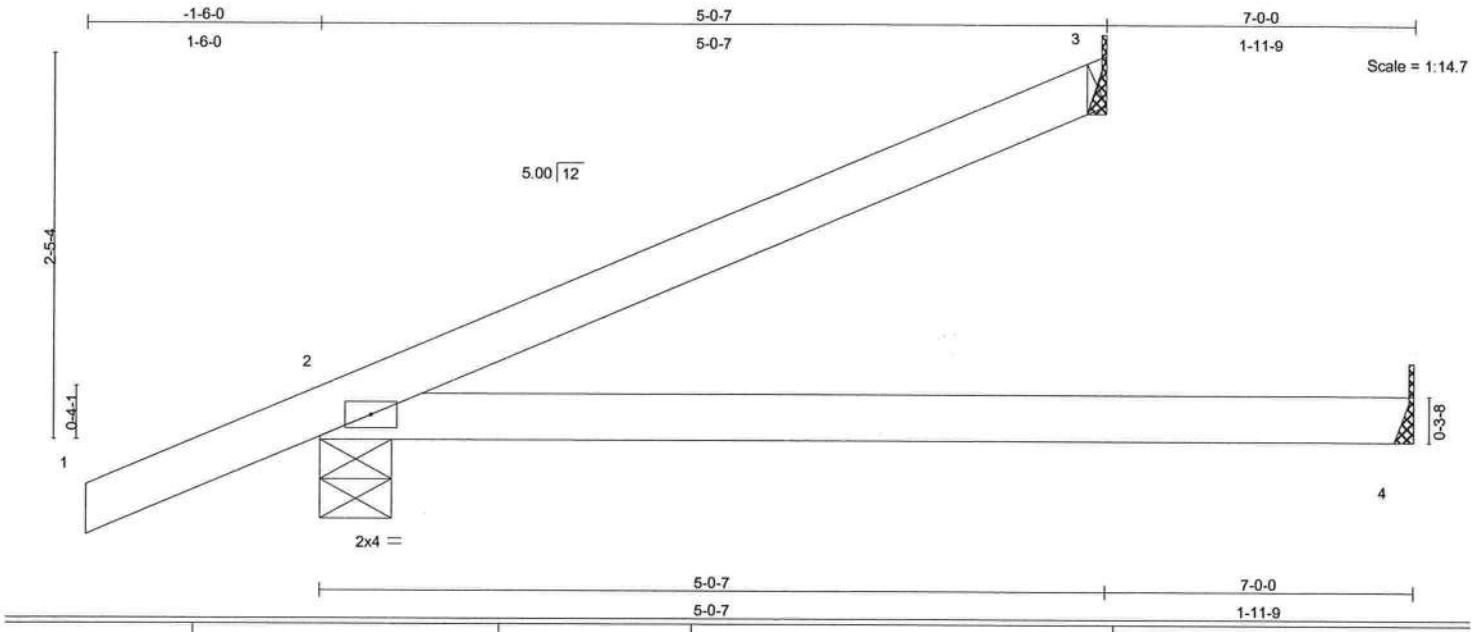
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	E5146027
CUNRES	J07	ROOF TRUSS	4	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:55 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	-0.11	2-4	>757	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.27	2-4	>303	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 21 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-7 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=123/Mechanical, 2=332/0-5-8, 4=67/Mechanical
Max Horz 2=98(LC 5)
Max Uplift 3=-53(LC 5), 2=-89(LC 5)
Max Grav 3=123(LC 1), 2=332(LC 1), 4=134(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-65/39
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 3 and 89 lb uplift at joint 2.

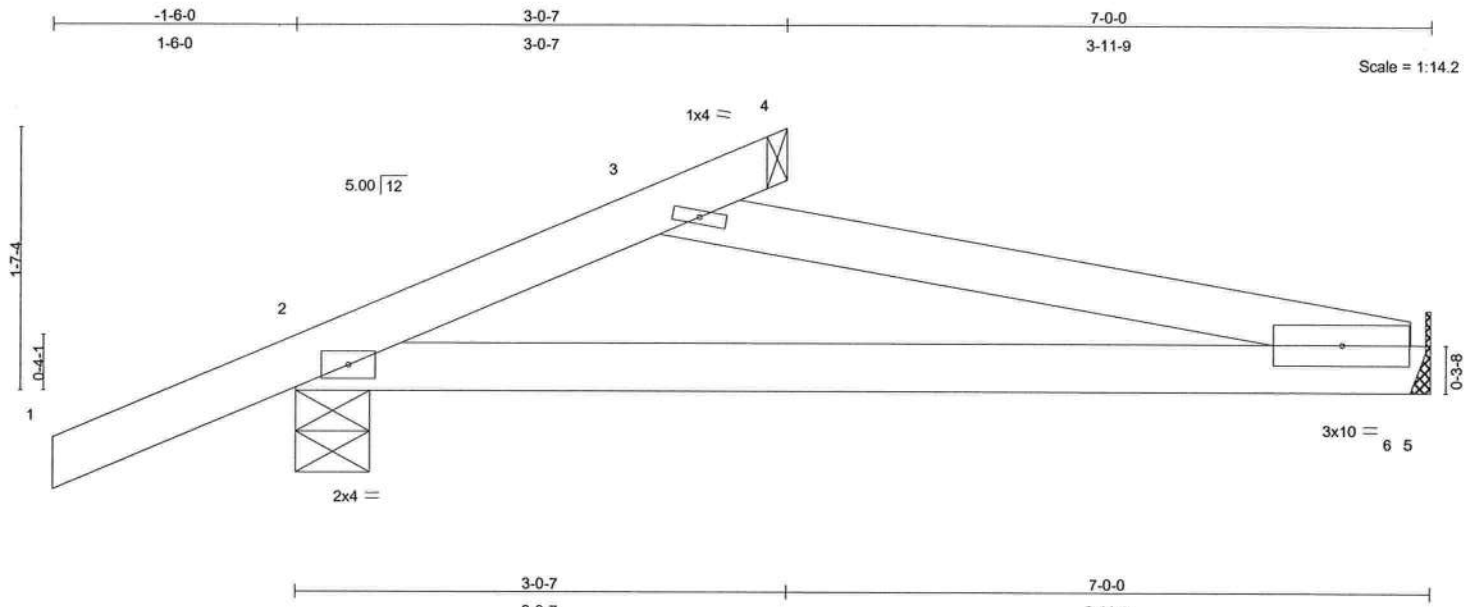
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	J07A	ROOF TRUSS	4	1	E5146028
SANTA FE TRUSS, HIGH SPRINGS, FL.					Job Reference (optional)

7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:56 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	-0.10	2-6	>780	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.26	2-6	>312	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 25 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-7 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) 2=317/0-5-8, 6=92/Mechanical
Max Horz 2=69(LC 5)
Max Uplift2=-89(LC 5)
Max Grav 2=317(LC 1), 6=147(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-160/60, 3-4=-19/0
BOT CHORD 2-6=-75/107, 5-6=0/0
WEBS 3-6=-109/77

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 89 lb uplift at joint 2.

LOAD CASE(S) Standard

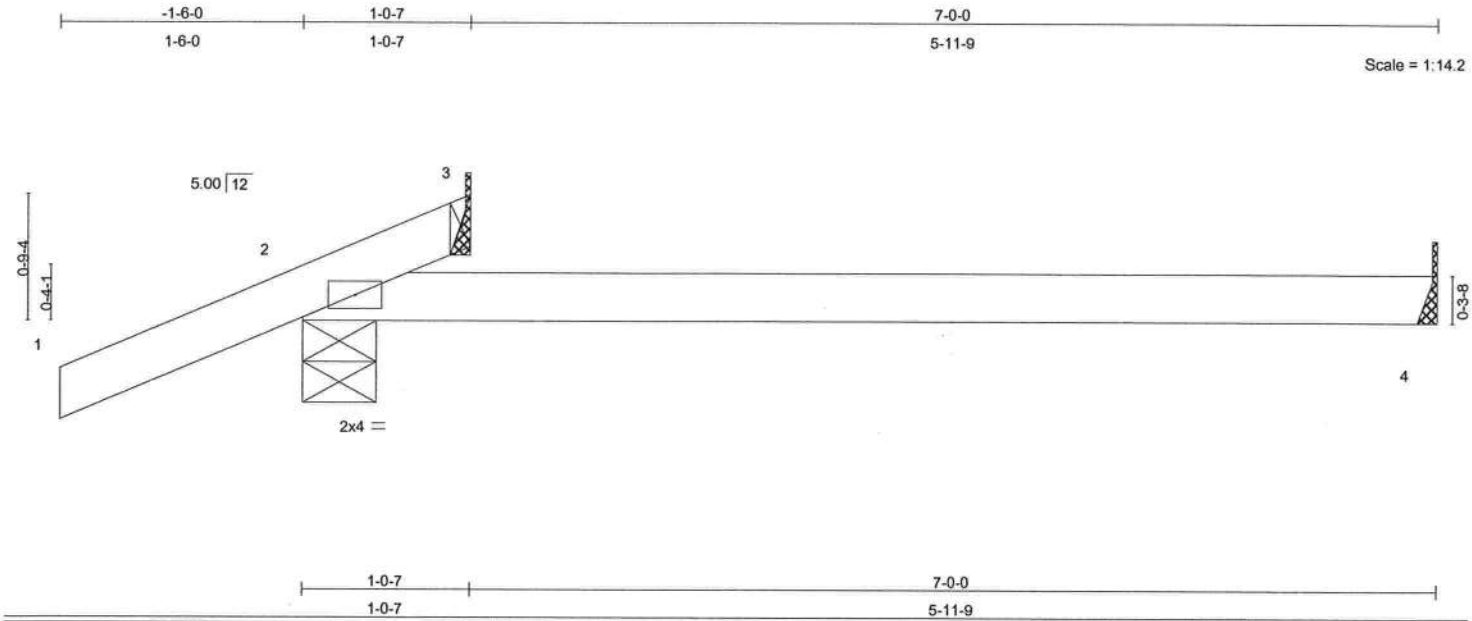
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	J07B	ROOF TRUSS	4	1	E5146029

SANTA FE TRUSS, HIGH SPRINGS, FL. Job Reference (optional)

7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:56 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	-0.12	2-4	>699	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.30	2-4	>279	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 15 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-7 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) 2=264/0-5-8, 4=69/Mechanical, 3=-44/Mechanical
Max Horz 2=45(LC 5)
Max Uplift2=-94(LC 5), 3=-44(LC 1)
Max Grav 2=264(LC 1), 4=138(LC 2), 3=44(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-44/18
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 2 and 44 lb uplift at joint 3.

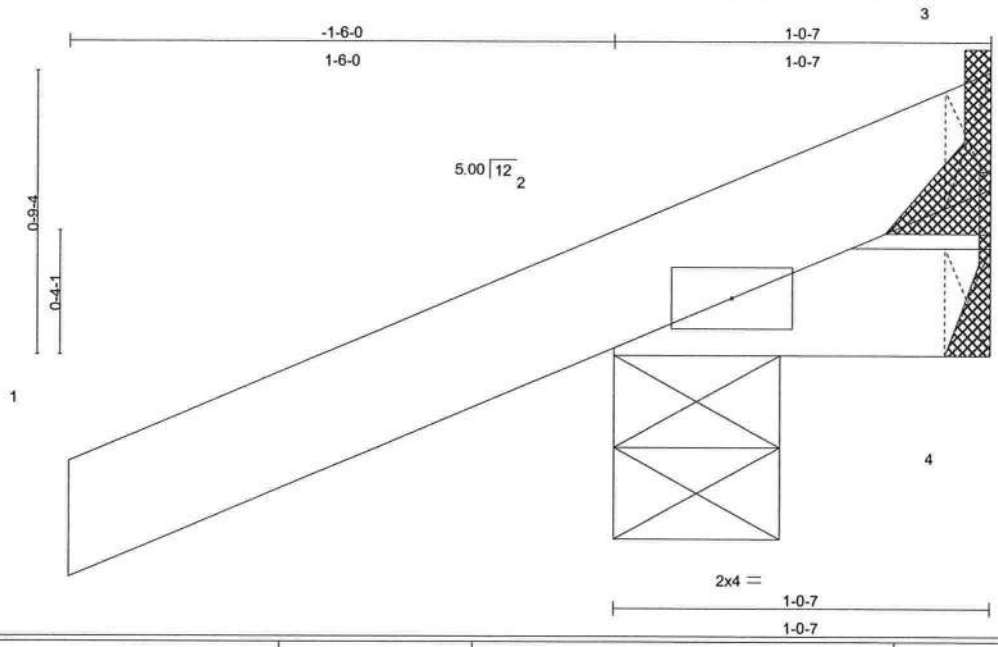
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	E5146030
CUNRES	J1	ROOF TRUSS	2	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:57 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>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 FBC2004/TPI2002		(Matrix)							Weight: 6 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-7 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) 2=206/0-5-8, 4=10/Mechanical, 3=-46/Mechanical
Max Horz 2=44(LC 5)
Max Uplift2=-125(LC 5), 3=-46(LC 1)
Max Grav 2=206(LC 1), 4=20(LC 2), 3=46(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-44/19
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 125 lb uplift at joint 2 and 46 lb uplift at joint 3.

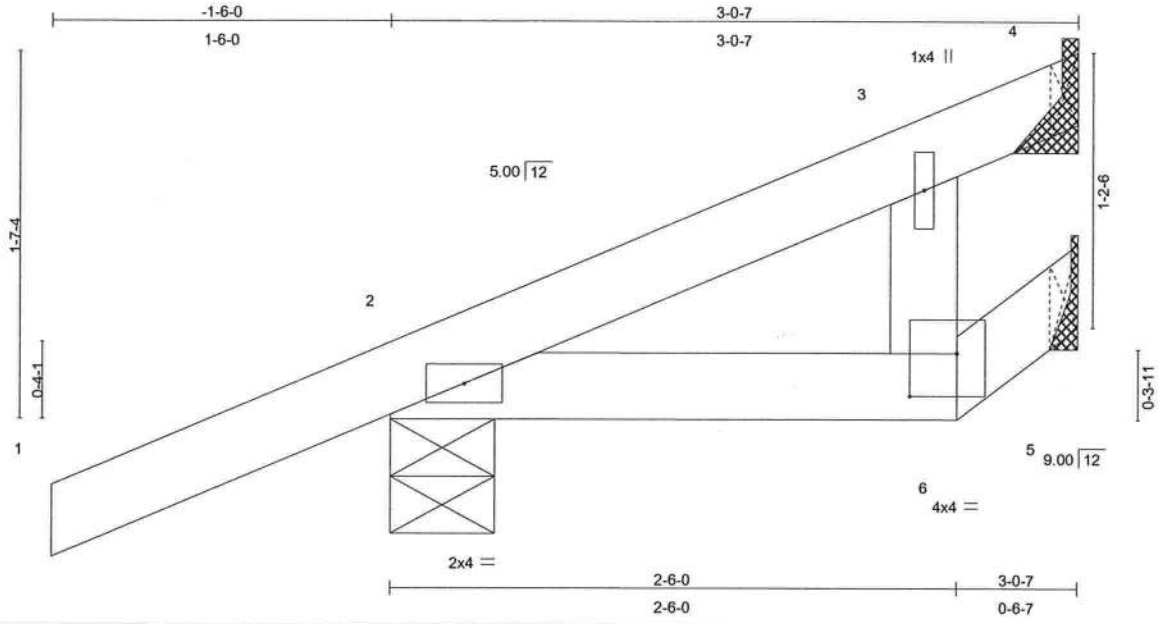
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	E5146031
CUNRES	J3	ROOF TRUSS	2	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:58 2008 Page 1



Scale = 1:10.1

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.17	Vert(LL)	-0.00	6	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.01	2-6	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 14 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) 4=70/Mechanical, 2=244/0-5-8, 5=5/Mechanical
Max Horz 2=70(LC 5)
Max Uplift4=-8(LC 4), 2=-103(LC 5)
Max Grav 4=70(LC 1), 2=244(LC 1), 5=9(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-47/6, 3-4=-5/26
BOT CHORD 2-6=-8/0, 5-6=-5/5
WEBS 3-6=0/55

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 4 and 103 lb uplift at joint 2.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

Job	Truss	Truss Type	Qty	Ply	E5146032
CUNRES	J5	ROOF TRUSS	2	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Wed Dec 10 12:09:58 2008 Page 1

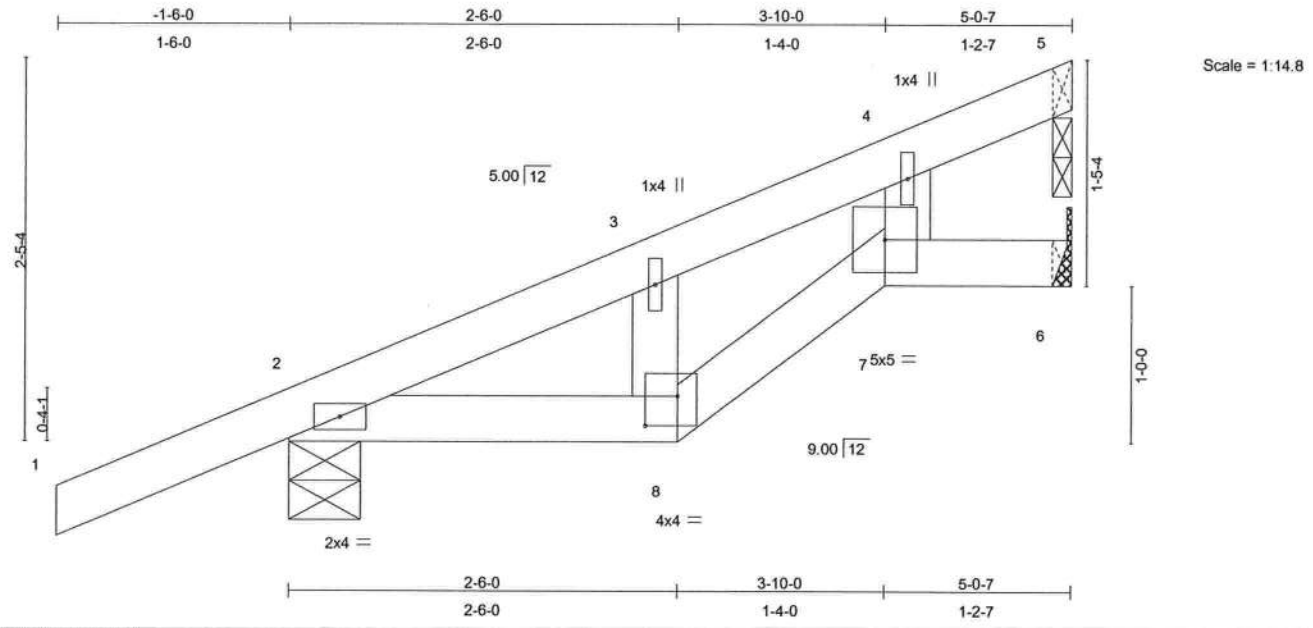


Plate Offsets (X,Y): [8:0-2-8,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.32	Vert(LL)	-0.04	8	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.05	Vert(TL)	-0.11	8	>521	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	-0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 21 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-7 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) 5=159/0-1-8, 2=312/0-5-8, 6=11/Mechanical
Max Horz 2=98(LC 5)
Max Uplift5=-35(LC 5), 2=-98(LC 5)
Max Grav5=159(LC 1), 2=312(LC 1), 6=23(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-82/0, 3-4=-31/17, 4-5=-17/59
BOT CHORD 2-8=0/4, 7-8=0/29, 6-7=-0/0
WEBS 3-8=0/63, 4-7=0/60

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 5 and 98 lb uplift at joint 2.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

December 10,2008

FORM 600A-2004R Tested sealed ducts must be certified in this house. EnergyGauge® 4.5

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**CUNNINGHAM RESIDENCE**	Builder:	**JERRY CUNNINGHAM**
Address:		Permitting Office:	**COLUMBIA COUNTY**
City, State:	**, 32643-**	Permit Number:	27450
Owner:	**JERRY CUNNINGHAM**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 48.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No		
6. Conditioned floor area (ft²)	2128 ft²	c. N/A	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor:	Description Area	13. Heating systems	
(or Single or Double DEFAULT)	7a. (Dble, U=0.9) 60.0 ft²	a. Electric Heat Pump	Cap: 48.0 kBtu/hr
b. SHGC:			HSPF: 8.50
(or Clear or Tint DEFAULT)	7b. (Clear) 252.0 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=5.0, 173.5(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 40.0 gallons
a. Frame, Wood, Adjacent	R=0.0, 1540.0 ft²		EF: 0.93
b. Frame, Wood, Exterior	R=19.0, 1115.0 ft²	b. N/A	
c. Frame, Wood, Adjacent	R=19.0, 139.0 ft²		
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits	
a. Under Attic	R=30.0, 2128.0 ft²	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 350.0 ft		
b. N/A			

Glass/Floor Area: 0.12

Total as-built points: 28739

Total base points: 30215

PASS

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

PREPARED BY: Larry Resmondo a/c

DATE: Aug 12, 2008

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , **32643-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2128.0	18.59	7121.0	1.Double,U=0.87,Clear	E	8.0	8.0	14.0	42.06	0.52	304.0	
				2.Double,U=0.87,Clear	E	4.0	6.0	60.0	42.06	0.63	1591.0	
				3.Double,U=0.87,Clear	E	1.5	6.0	30.0	42.06	0.91	1151.0	
				4.Double,U=0.87,Clear	N	1.5	6.0	30.0	19.20	0.94	540.0	
				5.Single,U=0.60,Clear	N	1.5	5.0	16.0	24.05	0.92	352.0	
				6.Double,U=0.87,Clear	W	9.0	6.0	20.0	38.52	0.45	345.0	
				7.Double,U=0.87,Clear	W	1.5	6.0	15.0	38.52	0.91	527.0	
				8.Double,U=0.57,Clear	W	10.0	7.5	39.0	39.90	0.47	728.0	
				9.Double,U=0.87,Clear	SW	10.0	6.0	10.0	40.16	0.41	164.0	
				10.Double,U=0.87,Clear	S	1.5	6.0	15.0	35.87	0.86	460.0	
				11.Double,U=0.87,Clear	S	1.5	2.0	3.0	35.87	0.57	60.0	
				As-Built Total:				**252.0**			**6222.0**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	1679.0	0.70	1175.3	1. Frame, Wood, Adjacent	0.0	1540.0	2.20	3388.0
Exterior	1115.0	1.70	1895.5	2. Frame, Wood, Exterior	19.0	1115.0	0.90	1003.5
				3. Frame, Wood, Adjacent	19.0	139.0	0.40	55.6
Base Total:	**2794.0**		**3070.8**	**As-Built Total:**		**2794.0**		**4447.1**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	21.0	2.40	50.4	1.Exterior Wood	21.0	6.10	128.1
Exterior	21.0	6.10	128.1	2.Adjacent Wood	21.0	2.40	50.4
Base Total:	**42.0**		**178.5**	**As-Built Total:**	**42.0**		**178.5**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	2128.0	1.73	3681.4	1. Under Attic	30.0	2128.0	1.73 X 1.00	3681.4
Base Total:	**2128.0**		**3681.4**	**As-Built Total:**		**2128.0**		**3681.4**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	173.5(p)	-37.0	-6419.5	1. Slab-On-Grade Edge Insulation	5.0	173.5(p	-36.20	-6280.7
Raised	0.0	0.00	0.0					
Base Total:			**-6419.5**	**As-Built Total:**		**173.5**		**-6280.7**

INFILTRATION	Area X	BSPM	= Points	Area X	SPM	= Points
	2128.0	10.21	21726.9	2128.0	10.21	21726.9

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , 32643-	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 29359.1			**Summer As-Built Points:**					**29975.2**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 48000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)					
			29975	1.00	(1.09 x 1.000 x 1.00)	0.260	1.000	8495.0
29359.1	**0.3250**	**9541.7**	**29975.2**	**1.00**	**1.090**	**0.260**	**1.000**	**8495.0**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , **32643-** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	2128.0	20.17	7726.0	1.Double,U=0.87,Clear	E	8.0	8.0	14.0	18.79	1.29	338.0
				2.Double,U=0.87,Clear	E	4.0	6.0	60.0	18.79	1.18	1332.0
				3.Double,U=0.87,Clear	E	1.5	6.0	30.0	18.79	1.04	583.0
				4.Double,U=0.87,Clear	N	1.5	6.0	30.0	24.58	1.00	739.0
				5.Single,U=0.60,Clear	N	1.5	5.0	16.0	16.43	1.00	263.0
				6.Double,U=0.87,Clear	W	9.0	6.0	20.0	20.73	1.20	499.0
				7.Double,U=0.87,Clear	W	1.5	6.0	15.0	20.73	1.02	318.0
				8.Double,U=0.57,Clear	W	10.0	7.5	39.0	12.33	1.20	574.0
				9.Double,U=0.87,Clear	SW	10.0	6.0	10.0	16.74	1.87	312.0
				10.Double,U=0.87,Clear	S	1.5	6.0	15.0	13.30	1.12	222.0
				11.Double,U=0.87,Clear	S	1.5	2.0	3.0	13.30	2.27	90.0
				As-Built Total:				**252.0**			**5270.0**

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	1679.0	3.60	6044.4	1. Frame, Wood, Adjacent	0.0	1540.0	10.40	16016.0
Exterior	1115.0	3.70	4125.5	2. Frame, Wood, Exterior	19.0	1115.0	2.20	2453.0
				3. Frame, Wood, Adjacent	19.0	139.0	2.20	305.8
Base Total:	**2794.0**		**10169.9**	**As-Built Total:**		**2794.0**		**18774.8**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	21.0	11.50	241.5	1.Exterior Wood	21.0	12.30	258.3
Exterior	21.0	12.30	258.3	2.Adjacent Wood	21.0	11.50	241.5
Base Total:	**42.0**		**499.8**	**As-Built Total:**	**42.0**		**499.8**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	2128.0	2.05	4362.4	1. Under Attic	30.0	2128.0	2.05 X 1.00	4362.4
Base Total:	**2128.0**		**4362.4**	**As-Built Total:**		**2128.0**		**4362.4**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	173.5(p)	8.9	1544.1	1. Slab-On-Grade Edge Insulation	5.0	173.5(p	7.60	1318.6
Raised	0.0	0.00	0.0					
Base Total:			**1544.1**	**As-Built Total:**		**173.5**		**1318.6**

INFILTRATION	Area X	BWPM	= Points	Area X	WPM	= Points
	2128.0	-0.59	-1255.5	2128.0	-0.59	-1255.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , 32643-	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**23046.7**	**Winter As-Built Points:**					**28970.1**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 48000 btuh ,EFF(8.5) Ducts:Unc(S),Unc(R),Gar(AH),R6.0					
			28970.1	1.000	(1.069 x 1.000 x 1.00)	0.401	1.000	12424.0
23046.7	**0.5540**	**12767.9**	**28970.1**	**1.00**	**1.069**	**0.401**	**1.000**	**12424.0**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , **32643-** PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X Multiplier	= Total		Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3	2635.00	7905.0		40.0	0.93	3	1.00	2606.67	1.00	7820.0
				As-Built Total:						**7820.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
9542	**12768**	**7905**	**30215**	**8495**	**12424**	**7820**	**28739**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , **32643-** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.4

The higher the score, the more efficient the home.

JERRY CUNNINGHAM, , , , 32643-

1.	New construction or existing		New	12.	Cooling systems	
2.	Single family or multi-family		Single family	a.	Central Unit	Cap: 48.0 kBtu/hr
3.	Number of units, if multi-family		1			SEER: 13.00
4.	Number of Bedrooms		3	b.	N/A	
5.	Is this a worst case?		No			
6.	Conditioned floor area (ft²)		2128 ft²	c.	N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					
a.	U-factor:	Description	Area	13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble, U=0.9)	60.0 ft²	a.	Electric Heat Pump	Cap: 48.0 kBtu/hr
b.	SHGC:					HSPF: 8.50
	(or Clear or Tint DEFAULT)	7b. (Clear)	252.0 ft²	b.	N/A	
8.	Floor types					
a.	Slab-On-Grade Edge Insulation		R=5.0, 173.5(p) ft	c.	N/A	
b.	N/A					
c.	N/A			14.	Hot water systems	
9.	Wall types			a.	Electric Resistance	Cap: 40.0 gallons
a.	Frame, Wood, Adjacent		R=0.0, 1540.0 ft²			EF: 0.93
b.	Frame, Wood, Exterior		R=19.0, 1115.0 ft²	b.	N/A	
c.	Frame, Wood, Adjacent		R=19.0, 139.0 ft²			
d.	N/A			c.	Conservation credits	
e.	N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
a.	Under Attic		R=30.0, 2128.0 ft²	15.	HVAC credits	
b.	N/A				(CF-Ceiling fan, CV-Cross ventilation,	
c.	N/A				HF-Whole house fan,	
11.	Ducts(Leak Free)				PT-Programmable Thermostat,	
a.	Sup: Unc. Ret: Unc. AH: Garage		Sup. R=6.0, 350.0 ft		MZ-C-Multizone cooling,	
b.	N/A				MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

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

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

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

COLUMBIA COUNTY BUILDING DEPARTMENT
135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Office: 386-758-1008 Fax: 386-758-2160

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

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed $75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved for yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F .I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that if I am not physically doing the work or physically supervising free labor from friends or relatives, that I must hire licensed contractors, i.e. electrician, plumber, mechanical (heating & air conditioning), etc. I further understand that the violation of not physically doing the work, and the use of unlicensed contractors at the construction site, will cause the project to be shut down by the inspection staff of the Columbia County Building Department. Additionally, state statutes allows for additional penalties. I also understand that if this violation does occur, that in order for the job to proceed, I will have a licensed contractor come in and obtain a new permit as taking the job over. I understand that if I hire subcontractors under a contract price, that they must be licensed to work in Columbia County, i.e. masonry, drywall, carpentry. Contractors licensed by the Columbia County Contractor Licensing Section or the State of Florida are required to have worker's compensation and liability coverage.

TYPE OF CONSTRUCTION

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

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

LAURIE HODSON
MY COMMISSION # DD 805657
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

Jerry E Cunningham 10/10/08
Owner Builder Signature Date

FLORIDA NOTARY
The above signer is personally known to me or produced identification Drivers License
Notary Signature Laurie Hodson Date 10/10/08 C-552-425-52-010-0

FOR BUILDING DEPARTMENT USE ONLY
I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7). Date 10.10.08 Building Official/Representative David Kerr

0810-21

Columbia County Property Appraiser

DB Last Updated: 8/5/2008

2008 Proposed Values

Tax Record | Property Card | Interactive GIS Map | Print

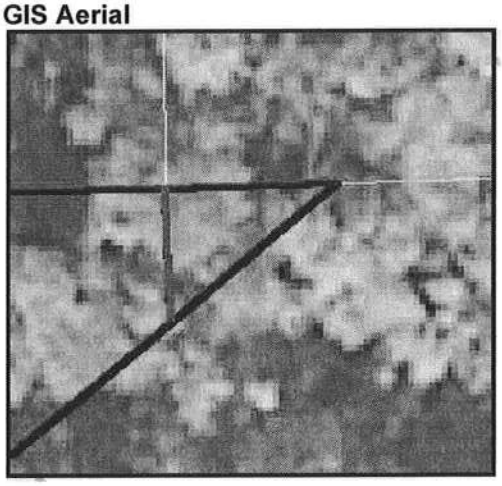
Parcel: 21-6S-17-09710-000

Search Result: 1 of 1

Owner & Property Info

Owner's Name	CUNNINGHAM JERRY E & BELINDA		
Site Address			
Mailing Address	11505 MELLOW CREEK LANE RIVERVIEW, FL 33569		
Use Desc. (code)	TIMBERLAND (005500)		
Neighborhood	21617.00	**Tax District**	3
UD Codes	MKTA02	**Market Area**	02
Total Land Area	28.000 ACRES		
Description	NE1/4 OF NE1/4 EX PINE OAK HAMMOCK & NW1/4 OF NW1/4 OF SEC 22-6S-17 EX PINE OAK HAMMOCK S/D. ORB 745-555, 745-556, 755-086, 768-277, 792-1181, 863-716, 863-778, EASEMENT DEED RECORDED ORB 1026-984 & ORB 1037-676		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (0)	$0.00
Ag Land Value	cnt: (1)	$3,332.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$3,332.00

Just Value	$135,660.00
Class Value	$3,332.00
Assessed Value	$3,332.00
Exempt Value	$0.00
Total Taxable Value	$3,332.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
1/26/2005	1037/676	WD	V	Q		$83,000.00
7/28/1998	863/778	WD	V	U	01	$5,000.00
7/14/1998	863/778	CT	V	U	01	$1,000.00

Building Characteristics

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

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
005500	TIMBER 2 (AG)	28.000 AC	1.00/1.00/1.00/.50	$119.00	$3,332.00
009910	MKT.VAL.AG (MKT)	28.000 AC	1.00/1.00/1.00/1.00	$0.00	$135,660.00

CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.***

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

Tax Parcel ID Number 21-6S-17-09710-000

Inst:200812019632 Date:10/27/2008 Time:3:08 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1161 P:405

1. **Description of property: (legal description of the property and street address or 911 address)**
NE 1/4 of NE 1/4 EXPine OAK Hammock & NW 1/4 of NW 1/4 of SEC 22-6S-17 EXPine OAK Hammock S/D. ORB 745-555, 745-556, 755-086, 768-277 792-1181, 863-716, 863-778, Easement Deed Recorded ORB

2. **General description of improvement:** Single Family Dewelling

3. **Owner Name & Address** Jerry E Cunningham 11505 Mellow Creek Lane Riverview FL 33569 **Interest in Property** Owner

4. **Name & Address of Fee Simple Owner (If other than owner):** _____

5. **Contractor Name** Jerry E Cunningham **Phone Number** 813 690-2523
Address 11505 Mellow Creek Lane Riverview FL 33569

6. **Surety Holders Name** _____ **Phone Number** _____
Address _____
Amount of Bond _____

7. **Lender Name** _____ **Phone Number** _____
Address _____

8. **Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:**
Name _____ **Phone Number** _____
Address _____

9. **In addition to himself/herself the owner designates** _____ **of** _____ **to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) – (a) 7. Phone Number of the designee** _____

10. **Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified)** _____

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

Jerry E Cunningham
Signature of Owner

Sworn to (or affirmed) and subscribed before day of 15th September, **20** 08

NOTARY STAMP/SEAL

MELANIE SQUERRE
Notary Public - State of Florida
My Commission Expires Sep 16, 2011
Commission # DD 689541
Bonded Through National Notary Assn.

Signature of Notary

27450

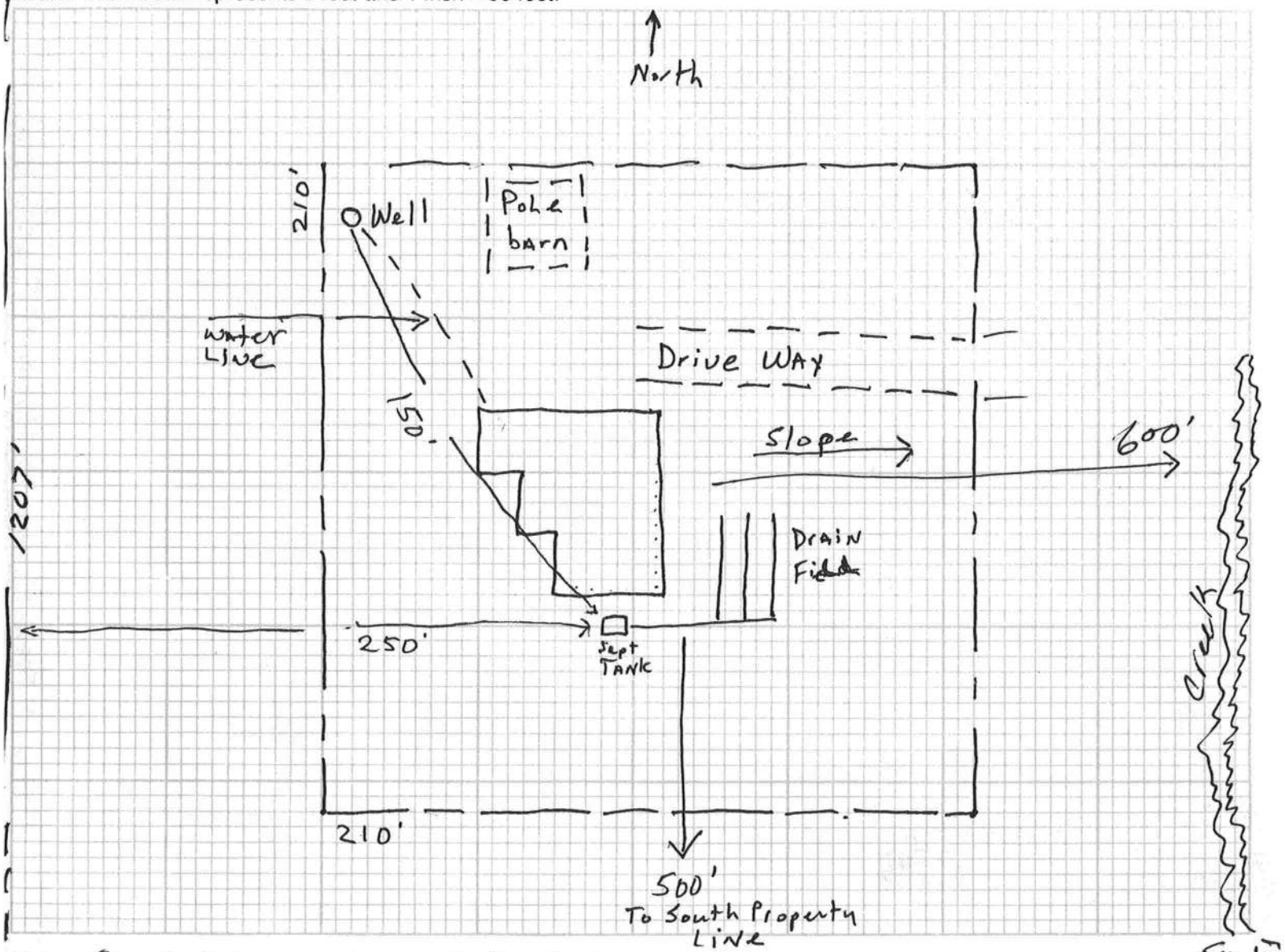
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number _____

PART II - SITE PLAN

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



Notes: Creek Ditch is Empty 90% of year
This Property has A recorded easment

Site Plan submitted by: Jerry Cunningham (Signature) Owner (Title)

Plan Approved _____ Not Approved _____ Date _____

By _____ County Health Department

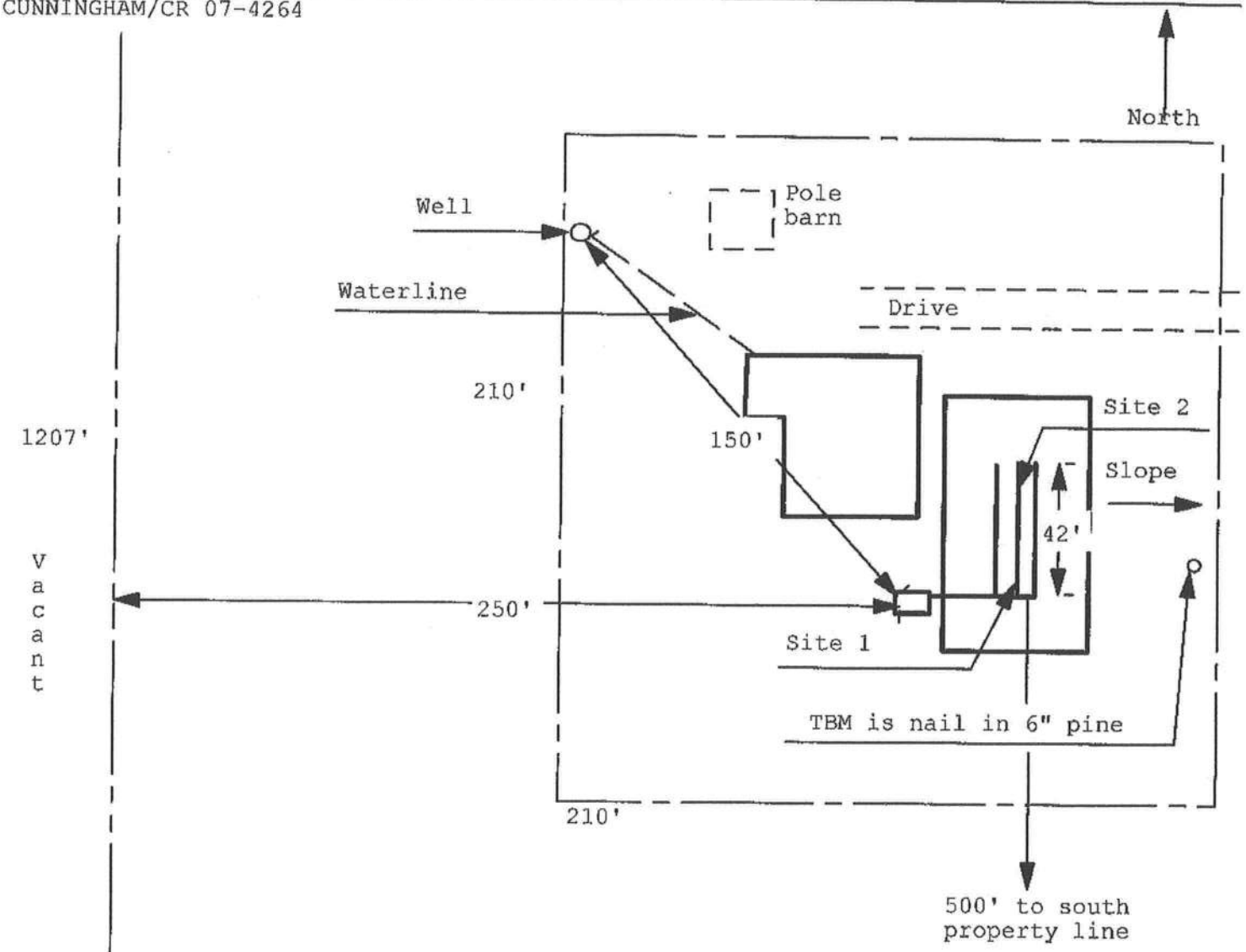
ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

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

Permit Application Number: 08-0670

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CUNNINGHAM/CR 07-4264



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 1/24/08

Plan Approved ✓ Not Approved ____ Date 10-7-08

By Mona Zander Columbia CPHU

Notes: ____

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

Addressing Maintenance

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

DATE REQUESTED: 10/2/2008 **DATE ISSUED:** 10/6/2008

ENHANCED 9-1-1 ADDRESS:

529 SW HAMMOCK HILL CIR

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

21-6S-17-09710-000

Remarks:

PINE OAK HAMMOCK S/D

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

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

1300

WELL

STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT, REPAIR, MODIFY, OR ABANDON A WELL

- ☐ Southwest
- ☐ Northwest
- ☐ St. Johns River
- ☐ South Florida
- ☒ Suwannee River

CHECK BOX FOR APPROPRIATE DISTRICT. ADDRESS ON BACK OF PERMIT FORM.

THIS FORM MUST BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing this form and forwarding the permit to the appropriate delegated county where applicable.

Permit No. 97443
Florida Unique I.D.
Permit Stipulations Required (See attached)
62-524 well ☐
CUP/WUP Application No.

ABOVE THIS LINE FOR OFFICIAL USE ONLY

Fold at this line in order that address is visible through envelope window

1. Jerry & Belinda Cunningham — 11505 Mellow Creek Lane, Riverview, FL 33569 — 813-690-2523
   Owner, Legal Name of Entity if Corporation — Address — City — Zip — Telephone Number
2. SW Hammock Hill Circle off Hwy 441 — Parcel# 21-6S-17-09710-000
   Well Location — Address, Road Name or Number, City
3. Chester Ray Sheffield — 2665 — Office: (386)454-9355 Fax: (386)454-3724 Cell: (352) 215-9355
   Well Drilling Contractor — License No. — Telephone No.
   PO Box 2662
   Address
   High Springs — FL — 32655
   City — State — Zip
4. NE (omitted) 1/4 of NE (applies) 1/4 of Section 21
   (Indicate Well on Chart)
5. Township 6S Range 17

NW NE SW SE

6. Columbia
   County — Subdivision Name — Lot — Block — Unit

7. Number of proposed wells 1 Check the use of well: (See back of permit for additional choices) X Domestic Monitor (type)
   ____ Irrigation (type) (See Back) Public Water Supply (type) (See Back) List Other
   Distance from septic system 100 ft. Description of facility home Estimated start of construction date 1/30/08
8. Application for: X New Construction ____ Repair/Modify ____ Abandonment (Reason for Abandonment)
9. Estimated: Well Depth 160' Casing Depth 140' Screen Interval from ____ to ____
   Casing Material: Blk-Steel / Gal / PVC Casing Diameter 4" Seal Material

Date Stamp: RECEIVED JAN 24 2008

10. If applicable: Proposed Grouting Interval
    From 140' to 3' Seal Material Bentonite
    From 3' to 0' Seal Material Portland
    From ____ to ____ Seal Material
11. Telescope Casing ____ or Liner ____ (check one) Diameter ____
    Blk-Steel / Galvanized / PVC Other (specify:)
12. Method of Construction: X Rotary ____ Cable Tool ____ Combination
    ____ Auger ____ Other (specify:) ____
13. Indicate total No. of wells on site 0 . List number of unused wells on site 0 .
14. Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive/Water Use Permit (CUP/WUP) or CUP/WUP Application? X No ____ Yes
    (If yes, complete the following) CUP/WUP No.
    District well I.D. No.
    Latitude ____ Longitude ____
    Data obtained from GPS ____ or map ____ or survey ____ *(map datum NAD 27 ____ NAD 83 ____)*

Draw a map of well location and indicate well site with an "X". Identify known roads and landmarks; provide distances between well and landmarks.

North

West — See Attachment — East

South

15. I hereby certify that I will comply with the applicable rules of Title 40, Florida Administrative Code, and that a water use permit or artificial recharge permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling or the permit expiration, whichever occurs first.

Chester K. Sheffield — 2665
Signature of Contractor — License No.

I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well; or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above. Owner consents to personnel of the WMD or a representative access to the well site.

Owner's or Agent's Signature — Date

DO NOT WRITE BELOW THIS LINE — FOR OFFICIAL USE ONLY

Approval Granted By: Gloria Hancock — Issue Date: 01-24-08 — Hydrologist Approval ____ Initials

Owner Number: ____ Fee Received: $ 40 — Receipt No.: 278224 — Check No.: ____

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. ***This permit is valid for 90 days from date of issue.***

SRWMD FORM 40B-3-1 REV. 12/95

WHITE: ORIGINAL FILE
YELLOW: DRILLING CONTRACTOR
PINK: OWNER

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT # 97443 CUP/WUP # _____ DID # _____

If permit is for multiple wells indicate the number of wells drilled _____.

Indicate remaining wells to be cancelled _____.

WATER WELL CONTRACTOR'S

SIGNATURE Chester K. Sheffield License # 2665

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (Ft.)	To (Ft.)
Neat Cement:	1	3	0
Bentonite:	11	156	3

WELL LOCATION: County Columbia

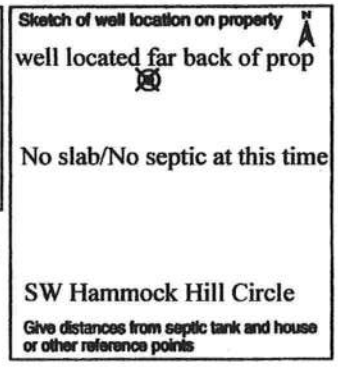
NE 1/4 of NE 1/4 of Section 21 Twp: 6S Rge: 17

Latitude 29*57'27N Longitude 082*36'47W

DATE STAMP

Official Use Only

Sketch of well location on property



Give distances from septic tank and house or other reference points

CHEMICAL ANALYSIS WHEN REQUIRED

Iron: ____ ppm Sulfate: ____ ppm

Chloride: ____ ppm

[ ] Lab Test [ ] Field Test Kit

Pump Type

[ ] Centrifugal [ ] Jet [X] Submersible [ ] Turbine

Horsepower 1 1/2 Capacity 18 G.P.M. 18

Pump Depth 135 Ft. Intake Depth 136 Ft.

Form 40B-3-3 Rev. 12/95

OWNER'S NAME Jerry & Belinda Cunningham

COMPLETION DATE 2/08/08 Florida Unique I.D. _____

WELL USE: DEP/Public ____ Irrigation ____ Domestic X Monitor ____

HRS Limited ____ 62-524 ____ Other _____

DRILL METHOD [X] Rotary [ ] Cable Tool [ ] Combination

[ ] Jet [ ] Auger Other _____

Measured Static Water Level 106' Measured Pumping Water Level ____

After 1 Hours at 18 G.P.M. Measuring Pt. (Describe): top of casing

Which is 1 Ft. [X] Above [ ] Below Land Surface

Casing: [ ] Black Steel [ ] Galv. [X] PVC Other _____

[X] Open Hole [ ] Screen	Depth (Ft.)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.
Casing Diameter & Depth (Ft.)	From	To	Color | Grain Size | Type of Material
Diameter 4"	0	8	sand
From 0'	8	30	sandy clay
To 156'	30	48	dry pebble clay
	48	60	clay & rock mix
Diameter ____	60	78	jagged rock
From ____	78	84	" " lost circulation
To ____	84	90	" " hard rock
	90	110	hard rock
Liner [ ] or Casing [ ]	110	170	limestone to b.o.h.
Diameter ____			
From ____			
To ____			

Driller's Name:

(print or type) Chester Sheffield assisted by Melissa Sheffield

Santa Fe Truss
PO Box 1298 High Springs, FL 32655 (386) 454-7711 FAX 454-1055

October 20, 2008
Page 1 of 2
Columbia County Building Department
Plans Examiner
Re: Cunningham residence (Permit # 0810-21)

Dear Joe,

Jerry asked me to send you this design for his garage door header. This was produced using design software from Boise Wood Products, using the applied loads from the "C" trusses shown on our truss documents.

I hope this provides the information you need; if not, please contact me to let me know what else is needed.

Best Regards,

Tom Wootton
President

BOISE Double 1-3/4" x 11-7/8" VERSA-LAM® 2.0 3100 SP Roof Beam\...GARAGE HEADER

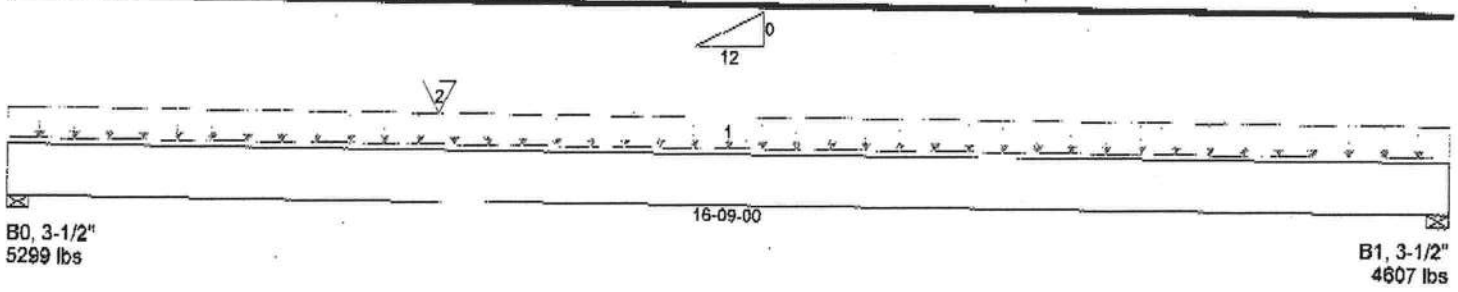
BC CALC® 9.5 Design Report - US
Build 91

1 span | No cantilevers | 0/12 slope

Monday, October 20, 2008 17:03

Job Name:
Address:
City, State, Zip: ,
Customer: JERRY CUNNINGHAM
Code reports: ESR-1040

File Name: cunres.BCC
Description: GARAGE HEADER
Specifier: TOM WOOTTON
Designer: TOM WOOTTON
Company: SANTA FE TRUSS
Misc:



Total Horizontal Product Length = 16-09-00

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Live 100%	Dead 90%	Snow 115%	Wind 133%	Roof Live 125%	Trib.
1	Standard Load	Unf. Area (psf)	Left	00-00-00	16-09-00		20			20	12-00-00
2	C1 TRUSS	Conc. Pt. (lbs)	Left	05-00-00	05-00-00		840			830	n/a

Controls Summary

	Value	% Allowable	Duration	Load Case	Span Location
Pos. Moment	20540 ft-lbs	77.2%	125%	5	1 - Internal
End Shear	4669 lbs	47.3%	125%	5	1 - Left
Total Load Defl.	L/194 (1.005")	92.6%		5	1
Live Load Defl.	L/397 (0.493")	60.5%		5	1
Span / Depth	16.5	n/a		0	1

Bearing Supports

		Dim. (L x W)	Value	% Allow Support	% Allow Member	Material
B0	Wall/Plate	3-1/2" x 3-1/2"	5299 lbs	101.8%	57.7%	Spruce-Pine-Fir
B1	Wall/Plate	3-1/2" x 3-1/2"	4607 lbs	88.5%	50.1%	Spruce-Pine-Fir

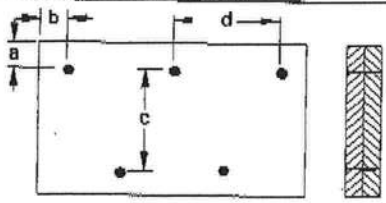
Cautions

Bearing length at bearing B0 should be at least 3-9/16".
Bearing B0 cannot support a load of 5299 lbs.
For roof members with slope (1/4)/12 or less final design must ensure that ponding instability will not occur.
For roof members with slope (1/2)/12 or less final design must account for Rain-on-Snow surcharge load.

Notes

Design meets Code minimum (L/180) Total load deflection criteria.
Design meets Code minimum (L/240) Live load deflection criteria.
Member Slope = 0, consider drainage.

Connection Diagram



a minimum = 2" c = 7-7/8"
b minimum = 3" d = 12"

Connection design assumes point load is 'top-loaded'. For connection design of 'side-loaded' point loads, please consult a technical representative or professional of Record.
Member has no side loads.
Concentrated loads are not considered in side load analysis.
Connectors are: 16d Common Nails

Disclosure

Completeness and accuracy of input must be verified by anyone who would rely on output as evidence of suitability for particular application. Output here based on building code-accepted design properties and analysis methods. Installation of BOISE engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (888)234-0056 before installation.

Schafer Engineering, LLC

14705 Main St. Alachua FL 32615

Prepared for:

C. K. CONTRACTING
THE CUNNINGHAM RESIDENCE
C.R. 18 \ WORTHINGTON SPRINGS

By:

Schafer Engineering, LLC

386-462-1340 / 352-375-6329

NO COPIES ARE TO BE PERMITTED

SCHAFER ENGINEERING LLC

Trusses: Pre-engineered with manufacturer's required bracing system installed.
Roof Sheathing: Type: OSB Size: 7/16 Fastener type nails: 8d/.113 Ring Shank
Interior zone spacing: Interior: 6 in. Periphery: 4 in.
Edge and end zone spacing: Interior: 6 in. Periphery: 4 in.

Top Double Pl: Type: Spruce Grade: #1 #2 Size: 2 x 6 Nail spacing: 10 in.

Studs: Wood or Steel: Wood Type: Spruce Grade: #1 #2 Size: 2 x 6
Interior Stud spacing: 16 in. Composite: (yes or no) Y
End Stud spacing: 16 in. Composite: (yes or no) Y

Shear Wall Siding: Type: OSB Thickness: 7/16 in.
69 ft. Trans: Fastener: 8d / 131 Spacing: Int 8 in. Edge 4 in.
53 ft. Long: Fastener: 8d / 131 Spacing: Int 8 in. Edge 4 in.

Allowable Unit Shear on Shear Walls: 3/4 **pounds per linear foot**
Unit Shear Transferred from Diaphragm: Trans: 86 Long: 83
Wall Tension Transferred by: Siding nails: 8d/131 @ 4 O.C. edges

Foundation Anchor Bolts: Concrete Strength: 3000 psi Size: 1/2 in. Shape: L
Washer: 2" Embedment: 7 in. Location of first anchor bolt from corner: 8 in.

Anchor Bolts @ 48" O.C. Model: A307 Loc. from corner: 8 in.

Type of Foundation: (1) - #5 rebar continuous required in bond beam.
Floor Slab: 4 in. CMU: Size 8 x 16 in. Height: 24 in. Reinf.: #5 at 72 in.
Monolithic Footing: Depth: 20 in. Bottom Width: 12 in. Reinf.: 2 # 5 bars

Footing: Width: 20 in. Depth: 10 in. Reinforcing: 2 # 5 bars
Interior Footings: 16" W X 10" D
Porch Columns: 6X6X8'SYP #2 PT @ 84" o.c. max. **Column Fasteners:** Simpson CB66/CC66 OR EQUAL

Special Comments: Install ceiling diaphragm on front entry using same grade material, nail size, & nail spacing as roof sheathing.

NOTE:
1. Balloon frame ALL gable ends unless this summary is accompanied by Gable End Wall Brace detail.
2. All trusses must bear on exterior walls & porch beams.
3. All walls to be nailed with same nailing pattern as shear walls.
4. This is a wind load only, NOT a structural analysis.
5. This wind load is not valid without a raised, embossed seal.
6. It is assumed that ideal soil conditions and pad preparations are provided.
7. Fiber mesh or WWM may be used in concrete slab.
8. Trusses must be anchored and supported in accordance to the truss engineering.
9. Wind design and analysis valid for one use only, no copies permitted.
10. The foundation is for minimum design use and may be increased.
11. All headers over 12 feet to be pre-engineered.

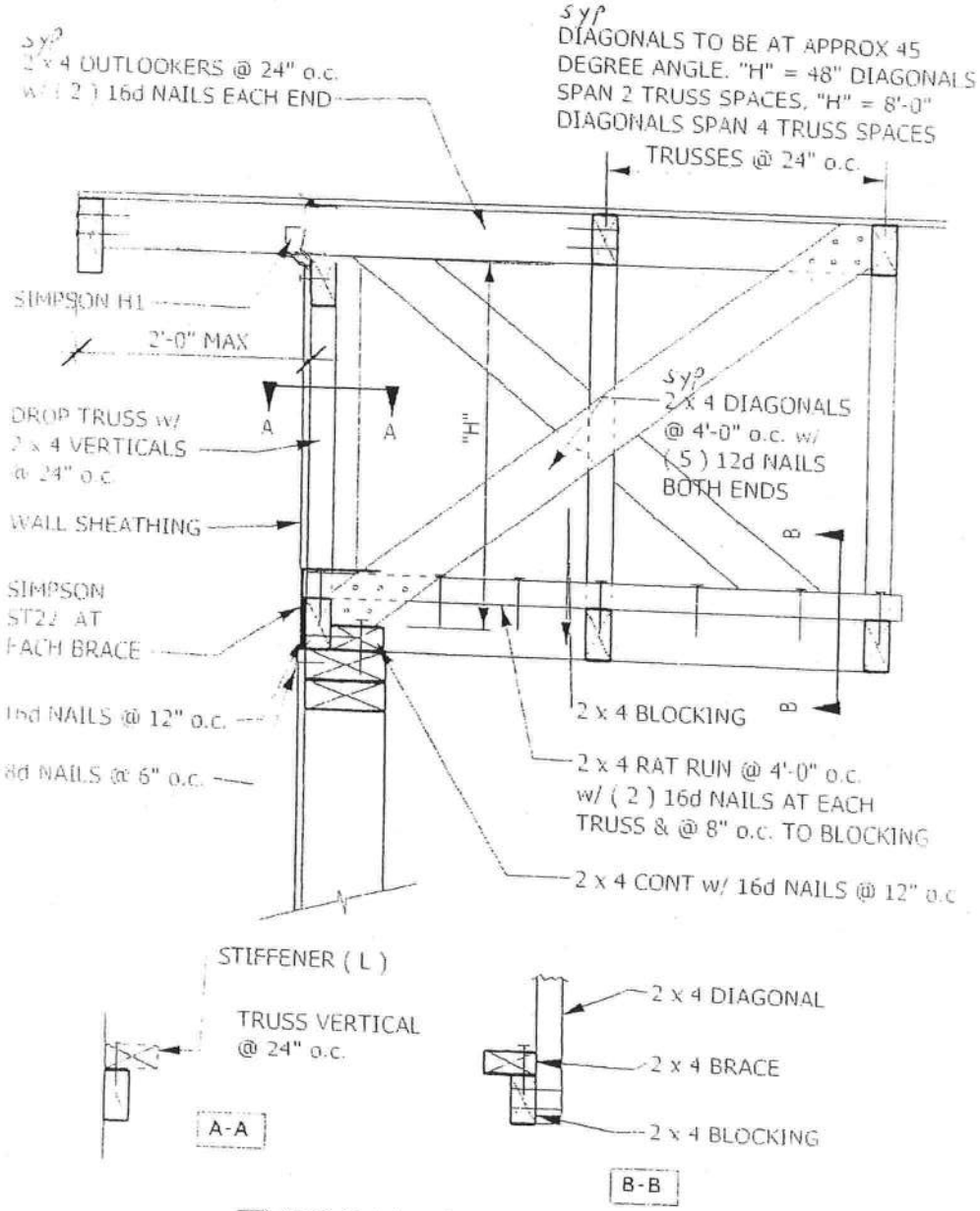
F-25-08

48984
7104 NW 42nd Ln
Gainesville, Fl

SCHAFER ENGINEERING, LLC

7104 N. W. 42ND LANE

GAINESVILLE, FLORIDA 32606



TYPICAL GABLE END BRACING

8-28-08

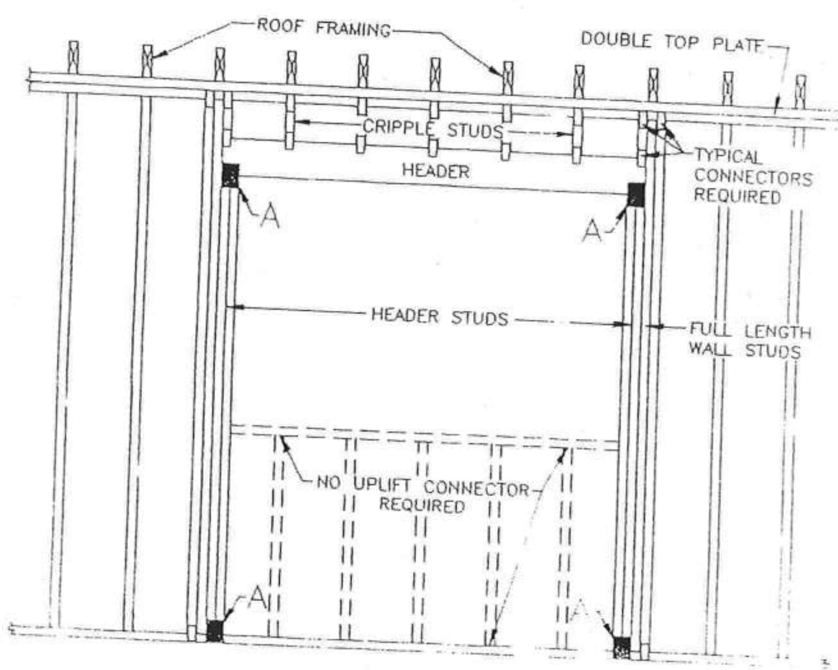
48984
7104 NW 42nd Ln
Gainesville, Fl

		Maximum Header Span (ft.)					
		3'	6'	9'	12'	15'	18
		Number of Header Studs Supporting End of Header					
		1[1]	1	2	2	2	2
Unsupported Wall Height	Stud Spacing	Number of Full-Length Studs at Each End of Header					
10' or less	12 in.	2	2	3	3	3	3
	16 in.	2	2	3	3	3	3
	24 in.	1	2	2	2	2	2
greater than 10'	12 in.	2	2	3	4	5	5
	16 in.	2	2	3	3	4	4
	24 in.	1	2	2	2	3	3

1 The header stud shall not be required if the header is supported by a suitable framing anchor.

Uplift connection requirement at points A (top and bottom of header studs): Uplift load per framing member above the header from Table [illegible] or [illegible], as appropriate, multiplied by the number of framing members displaced divided by two.

NOTE: Uplift connection is required at each end of header and at bottom of header studs in addition to connectors at wall studs and at top and bottom of cripples.



TIE-DOWN TABLES

HEADERS				
Uplift Force Lbs	Top Connector **	Rating Lbs	Bottom Connector **	Rating Lbs
to 455	LSTA9	725	H3	455
to 910	LSTA12	905	2-H3	910
to 1265	LSTA18	1265	LTT19	1350
to 1750	2-LSTA12	1810	LTT20	1750
to 2530	2-LSTA18	2530	HD2A-2.5	2565
to 2865	3-LSTA18	3255	HD2A-3.5	2865
to 3700	3-LSTA24	3880	HD5A-3	3700
Total uplift for each truss resting on the header and divide by 2 to determine the uplift force. Use proper bolt anchors sufficient to support required load.				

TRUSSES/GIRDERS		
Uplift Force Lbs	Top Connector **	Bottom Connector **
to 500	H2.5	N/A
501-1049	H10	N/A
1050-1350	TS22	LTT19
1351-1750	2-TS22	LTT20
1751-2570	2-TS22	HD2A
2571-3665	3-TS22	HD5A
3666-5260	2-MST148	HTT22
5261-8300	2-MST48	HD10A
Two 12d common toenails are required per truss/rafter per bearing point into plate. Use proper bolt anchors. Strap rafters to truss or at each end with minimum uplift resistance of 450# each end. Strap ridge beam at each end with minimum uplift resistance of 1000#. It is the contractors' responsibility to provide a continuous load path from truss/rafter/ridge beam to foundation.		

	Top Connector **	Rating Lbs	Bottom Connector **	Rating
BEAM SEATS	LSTA18*	1200	LTT19*	1250
POSTS (max 17' spacing)	2-LSTA18	2400	ABU44	2300
*or per truss engineering Use proper bolt anchors All beams to be sheathed or strapped to Double Top Plate when applicable.				

CRIPPLES	Sheathing nailing alone adequate w/8d nails @ 3" O.C.

STUDS
Wall sheathing nailing Adequate exterior walls bottom w/8d nails.
Use SP1 & SP2 @32" O.C. on all interior non-sheathed bearing walls.
Interior anchor bolts to be ½" x 8" A307 or ½" x 7" wedge anchor or equivalent.

** Equivalent Simpson hardware, or other manufacturer, may be substituted for any of the hardware specified on this page as long as it meets the required load capacities/uplift resistance.

NOTE:

1. For nailing into SPF members, multiply table values by .86
2. See truss engineering for anchor tie-down values.

ASCE 7-02

8/16/08

Wind Load Design per ASCE 7-02

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)	22.6	Deg
Type of Roof	Hipped	
Eave Height (Eht)	8.00	ft
Ridge Height (RHt)	16.38	ft
Mean Roof Height (Ht)	12.36	ft
Width Perp. to Wind (B)	68.00	ft
Width Parallel to Wind (L)	56.84	ft
Damping Ratio (beta)	0.01	

Red values should be changed only through "Main Menu"

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table C6-4 Values		
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

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	0.22
Flexible Structure	No

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
Izm	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	0.8877	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8587	
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	0.80	
Nb	4.6*NatFreq*B/Vzm	4.41	
Nd	15.4*NatFreq*Depth/Vzm	12.35	
Rh	1/Nh-(1/(2*Nh^2)*(1-Exp(-2*Nh)))	0.6258	
Rb	1/Nb-(1/(2*Nb^2)*(1-Exp(-2*Nb)))	0.2010	
Rd	1/Nd-(1/(2*Nd^2)*(1-Exp(-2*Nd)))	0.0777	
RR	((1/Beta)*Rn*Rh*Rb*(0.53+0.47*Rd))^0.5	0.6270	
gg	+(2*LN(3600*n1))^0.5+0.577/(2*LN(3600*n1))^0.5	4.19	
Gust3	0.925*((1+1.7*Izm*(3.4^2*Q^2+GG^2*RR^2)^0.5)/(1+1.7*3.4*Izm))	1.03	

Gust Factor Summary			
Main Wind-force resisting system:		**Components and Cladding:**	
Gust Factor Category:	I	Gust Factor Category:	I
Gust Factor (G)	0.86	Gust Factor (G)	0.86

ASCE 7-02

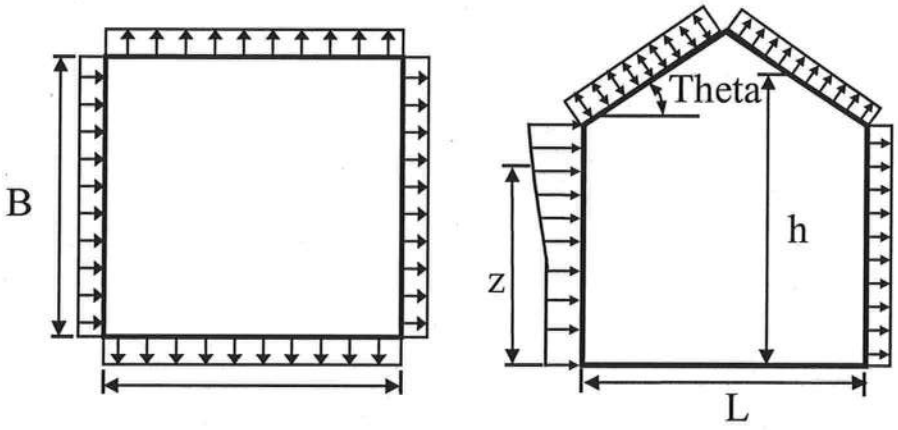
Wind Load Design per ASCE 7-02

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

Elev.	Kz	Kzt	Kd	qz	Pressure (lb/ft^2)	
					Windward Wall*	
ft			1.00	lb/ft^2	+GCpi	-GCpi
16.38	0.70	1.00	1.00	21.70	11.70	18.11
15	0.70	1.00	1.00	21.70	11.70	18.11

Figure 6-3 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
Kh	2.01*(15/zg)^(2/Alpha)	0.57	
Kht	Topographic factor (Fig 6-2)	1.00	
Qh	.00256*(V)^2*ImpFac*Kh*Kht*Kd	17.80	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 68 ft wall)	-0.50	-10.85	-4.44
Leeward Walls (Wind Dir Parallel to 56.84 ft wall)	-0.46	-10.25	-3.84
Side Walls	-0.70	-13.91	-7.50
Roof - Normal to Ridge (Theta>=10)			
Windward - Max Negative	-0.25	-7.00	-0.59
Windward - Max Positive	0.25	0.65	7.06
Leeward Normal to Ridge	-0.60	-12.38	-5.97
Overhang Top	-0.25	-3.79	-3.79
Overhang Bottom	0.80	0.69	0.69
Roof - Parallel to Ridge (All Theta)			
Dist from Windward Edge: 0 ft to 6.18 ft	-0.90	-16.96	-10.55
Dist from Windward Edge: 6.18 ft to 12.36 ft	-0.90	-16.96	-10.55
Dist from Windward Edge: 12.36 ft to 24.72 ft	-0.50	-10.85	-4.44

ASCE 7-02

Wind Load Design per ASCE 7-02

Dist from Windward Edge: > 24.72 ft	-0.30	-7.79	-1.38

* Horizontal distance from windward edge

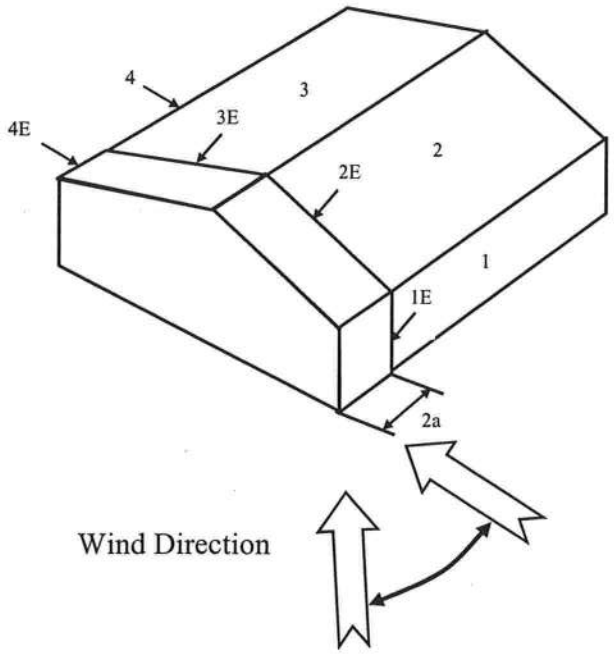
Figure 6-4 - External Pressure Coefficients, GCpf

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

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.57
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	17.80

Case A						
Surface	**GCpf**	**+GCpi**	**-GCpi**	**qh (psf)**	**Min P (psf)**	**Max P (psf)**
1	0.54	0.18	-0.18	21.70	7.76	15.58
2	-0.46	0.18	-0.18	21.70	-13.80	-5.99
3	-0.47	0.18	-0.18	21.70	-14.04	-6.23
4	-0.41	0.18	-0.18	21.70	-12.90	-5.09
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	0.77	0.18	-0.18	21.70	12.83	20.65
2E	-0.72	0.18	-0.18	21.70	-19.57	-11.75
3E	-0.65	0.18	-0.18	21.70	-17.98	-10.16
4E	-0.60	0.18	-0.18	21.70	-16.89	-9.08
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 = qh * (GCpf - GCpi)



ASCE 7-02

Wind Load Design per ASCE 7-02

Figure 6-4 - External Pressure Coefficients, GCpf

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

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.57
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	17.80

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)

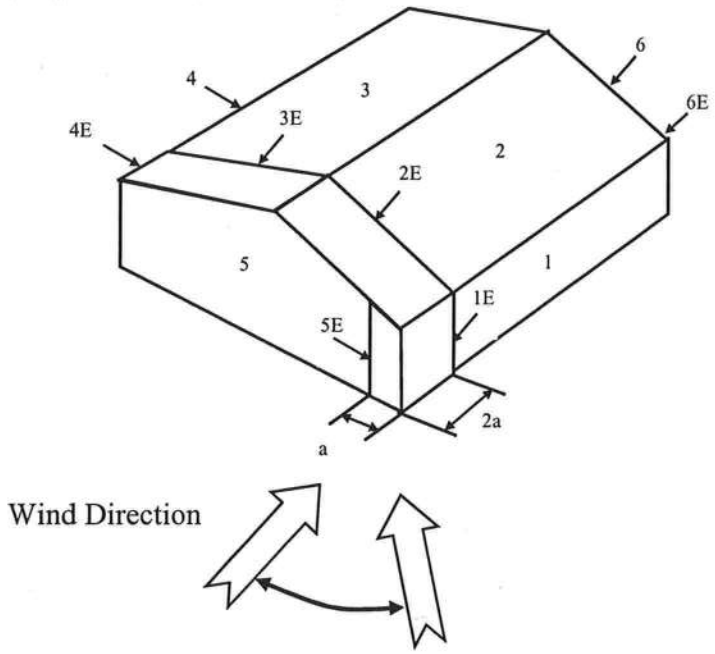
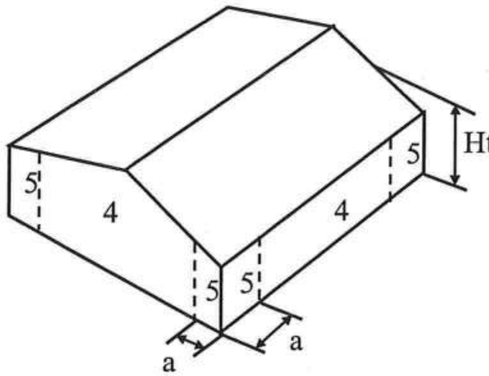


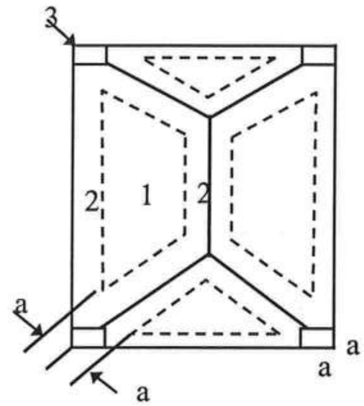
Figure 6-5 - External Pressure Coefficients, GCp

Loads on Components and Cladding for Buildings w/ Ht <= 60 ft

ASCE 7-02

Wind Load Design per ASCE 7-02





Hipped Roof
10 < Theta <= 30

a = 4.944 ==> 4.94 ft

Component	Width (ft)	Length (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2)	
					Max	Min	Max	Min
	16	7	112.00	5	0.81	-1.03	17.71	-21.53
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					
	0	0	0.00					

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

Table 6-7 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi	
	Max +	Max -

Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	**0.18**	**-0.18**

Table 6-8 External Pressure Coefficients for Arched Roofs, Cp

r (Rise-to-Span Ratio) = 0.3

Condition	Variable	Cp		
		Windward Quarter	Center Half	Leeward Quarter
Roof on Elevated Structure	Cp	0.13	-1	-0.5
	P (+GCpi) - psf	-1.29	-18.49	-10.85
	P (-GCpi) -psf	5.12	-12.08	-4.44
Roof Springing from Ground	Cp	0.42	-1	-0.5
	P (+GCpi) - psf	3.22	-18.49	-10.85
	P (-GCpi) -psf	3.22	-18.49	-10.85

Table 6-9 Force Coefficients for Monoslope Roofs over Open Buildings, Cf

Variable	Description	Value	
L	Roof dimension normal to wind direction	56.84	ft
B	Roof dimension parallel to wind direction	68.00	ft
L/B	Ratio of L to B	0.836	
Theta	Slope of Roof	22.6	Deg
Cf	Force Coefficient	1.04	
X	Distance to center of pressure from windward edge	0.35	ft

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE OCTOBER 1, 2005

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

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☐	Designers name and signature on document (FBC 106.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** Plans or specifications must state compliance with FBC Section 1609. The following information must be shown as per section 1603.1.4 FBC a. Basic wind speed (3-second gust), miles per hour (km/hr). b. Wind importance factor, Iw, and building classification from Table 1604.5 or Table 6-1, ASCE 7 and building classification in Table 1-1, ASCE 7. c. Wind exposure, if more than one wind exposure is utilized, the wind exposure and applicable wind direction shall be indicated. d. The applicable enclosure classifications and, if designed with ASCE 7, internal pressure coefficient. e. Components and Cladding. The design wind pressures in terms of psf (kN/m²) to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional.
		Elevations including:
☑	☐	a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation

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

Floor Plan including:

☑ ☐ a) Rooms labeled and dimensioned.
☑ ☐ b) Shear walls identified.
☑ ☐ c) Show product approval specification as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 **(see attach forms).**
☑ ☐ d) Show safety glazing of glass, where required by code.
☑ ☐ e) Identify egress windows in bedrooms, and size.
☑ ☐ f) Fireplace (gas vented), (gas non-vented) or wood burning with hearth. **(Please circle applicable type).**
☑ ☐ g) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails.
☑ ☐ h) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

☑ ☐ a) Location of all load-bearing wall with required footings indicated as standard or monolithic and dimensions and reinforcing.
☑ ☐ b) All posts and/or column footing including size and reinforcing
☐ ☐ c) Any special support required by soil analysis such as piling
☐ ☐ d) Location of any vertical steel.

Roof System:

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

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

Wall Sections including:

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

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

☑ ☐ b) Wood frame wall

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

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

Floor Framing System:

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

☐ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

☑ ☐ **Plumbing Fixture layout**

Electrical layout including:

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

☑ ☐ b) Ceiling fans

☑ ☐ c) Smoke detectors

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

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

☑ ☐ f) Appliances and HVAC equipment

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

☑ ☐ h) Exhaust fans in bathroom

HVAC information

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

☑ ☐ b) Manual J sizing equipment or equivalent computation

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

☑ ☐ **Disclosure Statement for Owner Builders**

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

☑ ☐ **Private Potable Water**

Load Short Form
Entire House
LARRY RESMONDO AIR CONDITIONING

Job: CUNNINGHAM RESIDE...
Date: Aug 12, 2008
By:

Project Information

For: JERRY CUNNINGHAM
FL

Design Information

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

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Semi-tight)

HEATING EQUIPMENT

Make Ruud
Trade Ruud UPNL Series
Model UPNL-048J*Z

Efficiency	8.5 HSPF	
Heating input		
Heating output	46500	Btuh @ 47°F
Temperature rise	27	°F
Actual air flow	1567	cfm
Air flow factor	0.042	cfm/Btuh
Static pressure	0.10	in H2O
Space thermostat		

COOLING EQUIPMENT

Make Ruud
Trade Ruud UPNL Series
Cond UPNL-048J*Z
Coil UHSL-HM4821+RCSL-H*4821A*

Efficiency	13 SEER	
Sensible cooling	32900	Btuh
Latent cooling	14100	Btuh
Total cooling	47000	Btuh
Actual air flow	1567	cfm
Air flow factor	0.050	cfm/Btuh
Static pressure	0.10	in H2O
Load sensible heat ratio	0.82	

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
LAUNDRY	83	1617	4637	68	234
PANTRY	26	578	196	24	10
MASTER BATH	163	2341	1345	99	68
W.I.C./HALL	69	834	354	35	18
M/BEDROOM	232	6488	3843	275	194
NOOK	48	2425	1656	103	83
KITCHEN	299	490	4723	21	238
DINING	132	3283	2058	139	104
GREAT ROOM	504	4122	3616	175	182
ENTRY	42	1776	1216	75	61
STUDY	132	3087	2021	131	102
BEDROOM 3	167	4913	2828	208	142
BATH/HALL	66	952	474	40	24
BEDROOM 2	167	4101	2145	174	108

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Entire House	d	2128	37006	31112	1567	1567
Other equip loads			1930	887		
Equip. @ 0.97	RSM			31038		
Latent cooling				7099		
TOTALS		2128	38936	38137	1567	1567

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

Building Analysis
Entire House
LARRY RESMONDO AIR CONDITIONING

Job: CUNNINGHAM RESIDE...
Date: Aug 12, 2008
By:

Project Information

For: JERRY CUNNINGHAM
FL

Design Conditions

Location:
Gainesville, FL, US
Elevation: 0 ft
Latitude: 30°N

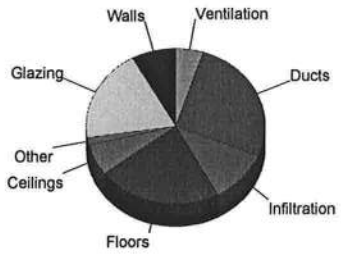
Outdoor:	**Heating**	**Cooling**
Dry bulb (°F)	33	92
Daily range (°F)	-	19 (M)
Wet bulb (°F)	-	77
Wind speed (mph)	15.0	7.5

Indoor:	**Heating**	**Cooling**
Indoor temperature (°F)	70	75
Design TD (°F)	37	17
Relative humidity (%)	30	50
Moisture difference (gr/lb)	10.6	51.6

Infiltration:	
Method	Simplified
Construction quality	Average
Fireplaces	1 (Semi-tight)

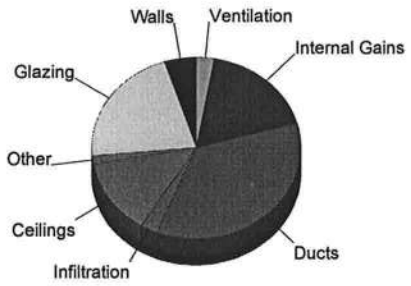
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	1.1	3155	8.1
Glazing	29.8	7519	19.3
Doors	14.4	606	1.6
Ceilings	1.2	2520	6.5
Floors	4.1	8718	22.4
Infiltration	3.0	4225	10.9
Ducts		10264	26.4
Piping		0	0.0
Humidification		0	0.0
Ventilation		1930	5.0
Adjustments		0	
Total		**38936**	**100.0**



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	0.6	1599	5.0
Glazing	27.2	6846	21.4
Doors	11.4	477	1.5
Ceilings	2.0	4266	13.3
Floors	0.0	0	0.0
Infiltration	0.6	849	2.7
Ducts		11354	35.5
Ventilation		887	2.8
Internal gains		5720	17.9
Blower		0	0.0
Adjustments		0	
Total		**31998**	**100.0**



Overall U-value = 0.136 Btuh/ft²-°F

Data entries checked.

Project Summary
Entire House
LARRY RESMONDO AIR CONDITIONING

Job: CUNNINGHAM RESIDE...
Date: Aug 12, 2008
By:

Project Information

For: JERRY CUNNINGHAM
FL

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	26742	Btuh
Ducts	10264	Btuh
Central vent (47 cfm)	1930	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	38936	Btuh

Sensible Cooling Equipment Load Sizing

Structure	19758	Btuh
Ducts	11354	Btuh
Central vent (47 cfm)	887	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	31038	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Semi-tight)

	Heating	Cooling
Area (ft²)	2128	2128
Volume (ft³)	17025	17025
Air changes/hour	0.37	0.16
Equiv. AVF (cfm)	104	45

Latent Cooling Equipment Load Sizing

Structure	2392	Btuh
Ducts	3045	Btuh
Central vent (47 cfm)	1662	Btuh
Equipment latent load	7099	Btuh
Equipment total load	38137	Btuh
Req. total capacity at 0.70 SHR	3.7	ton

Heating Equipment Summary

Make	Ruud
Trade	Ruud UPNL Series
Model	UPNL-048J*Z

Efficiency	8.5 HSPF	
Heating input		
Heating output	46500	Btuh @ 47°F
Temperature rise	27	°F
Actual air flow	1567	cfm
Air flow factor	0.042	cfm/Btuh
Static pressure	0.10	in H2O
Space thermostat		

Cooling Equipment Summary

Make	Ruud
Trade	Ruud UPNL Series
Cond	UPNL-048J*Z
Coil	UHSL-HM4821+RCSL-H*4821A*

Efficiency	13 SEER	
Sensible cooling	32900	Btuh
Latent cooling	14100	Btuh
Total cooling	47000	Btuh
Actual air flow	1567	cfm
Air flow factor	0.050	cfm/Btuh
Static pressure	0.10	in H2O
Load sensible heat ratio	0.82	

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Duct System Summary
Entire House
LARRY RESMONDO AIR CONDITIONING

Job: CUNNINGHAM RESIDE...
Date: Aug 12, 2008
By:

Project Information

For: JERRY CUNNINGHAM
FL

	Heating	Cooling
External static pressure	***0.10*** in H2O	***0.10*** in H2O
Pressure losses	0.25 in H2O	0.25 in H2O
Available static pressure	-0.2 in H2O	-0.2 in H2O
Supply / return available pressure	-0.10 / -0.05 in H2O	-0.10 / -0.05 in H2O
Lowest friction rate	***0.100*** in/100ft	***0.100*** in/100ft
Actual air flow	1567 cfm	1567 cfm
Total effective length (TEL)	335 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
LAUNDRY-A	c 2318	34	117	0.100	7	12x4	VlFx	215.0	0.0	ST1
LAUNDRY	c 2318	34	117	0.100	7	12x4	VlFx	215.0	0.0	ST1
PANTRY	h 578	24	10	0.100	4	12x1	VlFx	215.0	0.0	ST1A
MASTER BATH	h 2341	99	68	0.100	7	12x3	VlFx	215.0	0.0	ST1
W.I.C./HALL	h 834	35	18	0.100	4	12x1	VlFx	215.0	0.0	ST1
M/BEDROOM	h 6488	275	194	0.100	10	12x7	VlFx	215.0	0.0	ST1
NOOK	h 2425	103	83	0.100	7	12x4	VlFx	215.0	0.0	ST1
KITCHEN-A	c 2362	10	119	0.100	7	12x4	VlFx	215.0	0.0	ST1
KITCHEN	c 2362	10	119	0.100	7	12x4	VlFx	215.0	0.0	ST1
DINING	h 3283	139	104	0.100	8	12x5	VlFx	215.0	0.0	ST1
GREAT ROOM	c 3616	175	182	0.100	8	12x5	VlFx	215.0	0.0	ST1
ENTRY	h 1776	75	61	0.100	6	12x3	VlFx	215.0	0.0	ST1
STUDY	h 3087	131	102	0.100	7	12x4	VlFx	215.0	0.0	ST1
BEDROOM 3	h 4913	208	142	0.100	9	12x6	VlFx	215.0	0.0	ST1
BATH/HALL	h 952	40	24	0.100	4	12x1	VlFx	215.0	0.0	ST1
BEDROOM 2	h 4101	174	108	0.100	8	12x5	VlFx	215.0	0.0	ST1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
ST1	Peak AVF	1567	1567	0.100	830	18	16 x 17	RectFbg	
ST1A	Peak AVF	24	10	0.100	220	10	16 x 1	RectFbg	ST1

Bold/italic ***values have been manually overridden***

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
RB2	0x0	275	194	120.0	0.100	471	10	14x 6		VlFx	
RB3	0x0	175	182	120.0	0.100	468	8	14x 4		VlFx	
RB4	0x0	208	142	120.0	0.100	428	9	14x 5		VlFx	
RB5	0x0	174	108	120.0	0.100	447	8	14x 4		VlFx	

ENGINEERING BY
TRENCO
A MiTek Affiliate

RE: CUNRES -

Trenco
818 Soundside Rd
Edenton, NC 27932

Site Information:
Project Customer: JERRY CUNNINGHAM Project Name: CUNNINGHAM RES
Lot/Block: 0 Subdivision: HAMMOCK HILL
Address:
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: FBC2004/TPI2002 Design Program: MiTek 20/20 7.0
Wind Code: ASCE 7-02 Wind Speed: 110 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 45 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 16G15-23.003 of the Florida Board of Professionals Rules

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	E5008799	A1	8/26/08	18	E5008816	A7	8/26/08
2	E5008800	A10	8/26/08	19	E5008817	A8	8/26/08
3	E5008801	A11	8/26/08	20	E5008818	A9	8/26/08
4	E5008802	A12	8/26/08	21	E5008819	B	8/26/08
5	E5008803	A13	8/26/08	22	E5008820	B1	8/26/08
6	E5008804	A14	8/26/08	23	E5008821	B2	8/26/08
7	E5008805	A15	8/26/08	24	E5008822	B3	8/26/08
8	E5008806	A16	8/26/08	25	E5008823	BET	8/26/08
9	E5008807	A17	8/26/08	26	E5008824	C	8/26/08
10	E5008808	A18	8/26/08	27	E5008825	C1	8/26/08
11	E5008809	A19	8/26/08	28	E5008826	C2	8/26/08
12	E5008810	A2	8/26/08	29	E5008827	CJ01	8/26/08
13	E5008811	A20	8/26/08	30	E5008828	CJ09	8/26/08
14	E5008812	A3	8/26/08	31	E5008829	D	8/26/08
15	E5008813	A4	8/26/08	32	E5008830	DET	8/26/08
16	E5008814	A5	8/26/08	33	E5008831	EET	8/26/08
17	E5008815	A6	8/26/08	34	E5008832	EGT	8/26/08

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

MARVIN A. STRZYZEWSKI
LICENSE
No 43144
STATE OF
PROFESSIONAL ENGINEER

The truss drawing(s) referenced above have been prepared by TRENCO 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, 2009.

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.

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Strzyzewski, Marvin

RE: CUNRES -

Site Information:

Project Customer: JERRY CUNNINGHAM Project Name: CUNNINGHAM RES
Lot/Block: 0 Subdivision: HAMMOCK HILL
Address:
City: FT WHITE State: FL

No.	Seal#	Truss Name	Date
35	E5008833	EJ7	8/26/08
36	E5008834	EJ7A	8/26/08
37	E5008835	J01	8/26/08
38	E5008836	J01A	8/26/08
39	E5008837	J01B	8/26/08
40	E5008838	J07	8/26/08
41	E5008839	J07A	8/26/08
42	E5008840	J07B	8/26/08
43	E5008841	J1	8/26/08
44	E5008842	J3	8/26/08
45	E5008843	J5	8/26/08

GEO-TECH, INC.

Engineering Consultants in Geotechnical • Environmental • Construction Materials Testing

#29450

FIELD DENSITY WORKSHEET

CLIENT Jerry Cunningham — DATE 12-10-08

PROJECT NO. ____

PROJECT NAME Cunningham — PERMIT NO. ____

EARTH CONTRACTOR ____ — TESTED BY DH

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 DENS.	LAB PROCTOR OMC	TEST DEPTH	PROBE DEPTH	% MOIST.	WET DENSITY (PCF)	DRY DENSITY (PCF)	% COMP.
		#29450						
N Side of Pad	109.0	10.0	16	12"	6.1	113.3	106.8	98.0
Center of N Ftg					8.8	117.6	108.1	99.2
" " S "					7.2	115.2	107.5	98.6
Center of Pad					6.9	114.0	106.6	97.8

REMARKS ____

* Density failed to meet minimum project requirement

** Retest indicates minimum density requirement was obtained.

( ) Client is aware of unsatisfactory test results.

2603 NW 74TH PLACE • GAINESVILLE, FLORIDA 32653 • PHONE: (352) 372-1274 • FAX: (352) 372-2721

Job	Truss	Truss Type	Qty	Ply	E5008799
CUNRES	A1	ROOF TRUSS	1	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:32 2008 Page 1

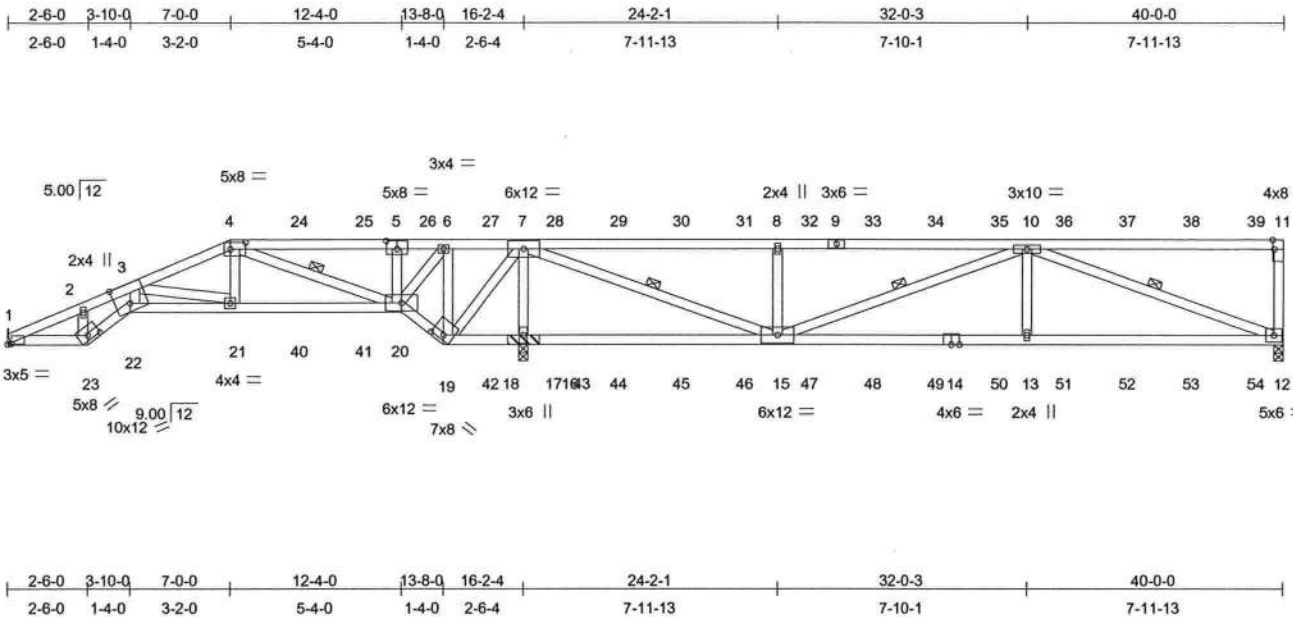


Plate Offsets (X,Y): [1:0-1-6,0-0-2], [4:0-5-12,0-2-8], [5:0-4-0,0-3-0], [11:0-3-8,Edge], [19:0-4-8,0-1-12], [22:0-5-8,0-7-0], [23:0-4-8,0-1-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.98	Vert(LL)	-0.16	13-15	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-0.50	13-15	>569	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.88	Horz(TL)	0.16	12	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 206 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D *Except*
5-9: 2 X 4 SYP 2400F 2.0E
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3 *Except*
11-12,7-15: 2 X 4 SYP No.2D

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-4-5 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 3-0-14 oc bracing.
WEBS 1 Row at midpt 4-20, 7-15, 10-15, 10-12

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

REACTIONS (lb/size) 1=533/Mechanical, 12=1564/0-3-8, 17=4420/0-4-7 (0-3-8 + bearing block)
Max Horz 1=95(LC 5)
Max Uplift1=-63(LC 5), 12=-430(LC 3), 17=-984(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1517/203, 2-3=-1567/237, 3-4=-1091/154, 4-24=-300/1371, 24-25=-300/1371, 5-25=-300/1371, 5-26=-300/1371, 6-26=-300/1371, 6-27=-389/1920, 7-27=-389/1920, 7-28=-1571/551, 28-29=-1571/551, 29-30=-1571/551, 30-31=-1571/551, 8-31=-1571/551, 8-32=-1571/551, 9-32=-1571/551, 9-33=-1571/551, 33-34=-1571/551, 34-35=-1571/551, 10-35=-1571/551, 10-36=-266/69, 36-37=-266/69, 37-38=-266/69, 38-39=-266/69, 11-39=-266/69, 11-12=-480/202
BOT CHORD 1-23=-264/1385, 22-23=-268/1405, 21-22=-233/1217, 21-40=-170/1075, 40-41=-170/1075, 20-41=-170/1075, 19-20=-2254/472, 19-42=-3046/586, 18-42=-3046/585, 17-18=-3045/586, 16-17=-3045/586, 16-43=-3045/586, 43-44=-3045/586, 44-45=-3045/586, 45-46=-3045/586, 15-46=-3045/586, 15-47=-750/2643, 47-48=-750/2643, 48-49=-750/2643, 14-49=-750/2643, 14-50=-750/2643, 13-50=-750/2643, 13-51=-750/2643, 51-52=-750/2643, 52-53=-750/2643, 53-54=-750/2643, 12-54=-750/2643
WEBS 2-23=-416/106, 3-22=-73/503, 3-21=-184/65, 4-21=0/554, 4-20=-2614/502, 5-20=-820/258, 6-20=-166/883, 6-19=-323/0, 7-19=-302/1729, 7-17=-3998/1033, 7-15=-1184/4923, 8-15=-973/419, 10-15=-1145/222, 10-13=0/691, 10-12=-2541/728

NOTES
1) 2 X 4 SYP No.2D bearing block 12" long at jt. 17 attached to front face with 2 rows of 10d (0.131"x3") nails spaced 3" o.c. 8 Total fasteners. Bearing is assumed to be SYP.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 1, 430 lb uplift at joint 12 and 984 lb uplift at joint 17.

Continued on page 2

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

NOTES

7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 326 lb down and 105 lb up at 7-0-0, 164 lb down and 56 lb up at 9-0-12, 164 lb down and 56 lb up at 11-0-12, 164 lb down and 56 lb up at 13-0-12, 125 lb down and 73 lb up at 15-0-12, 125 lb down and 73 lb up at 17-0-12, 125 lb down and 73 lb up at 19-0-12, 125 lb down and 73 lb up at 21-0-12, 125 lb down and 73 lb up at 23-0-12, 125 lb down and 73 lb up at 25-0-12, 125 lb down and 73 lb up at 27-0-12, 125 lb down and 73 lb up at 29-0-12, 125 lb down and 73 lb up at 31-0-12, 125 lb down and 73 lb up at 33-0-12, 125 lb down and 73 lb up at 35-0-12, and 125 lb down and 73 lb up at 37-0-12, and 125 lb down and 73 lb up at 39-0-12 on top chord, and 254 lb down and 13 lb up at 7-0-0, 22 lb down at 9-0-12, 22 lb down at 11-0-12, 94 lb down at 15-0-12, 94 lb down at 17-0-12, 94 lb down at 19-0-12, 94 lb down at 21-0-12, 94 lb down at 23-0-12, 94 lb down at 25-0-12, 94 lb down at 27-0-12, 94 lb down at 29-0-12, 94 lb down at 31-0-12, 94 lb down at 33-0-12, 94 lb down at 35-0-12, and 94 lb down at 37-0-12, and 94 lb down at 39-0-12 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: 1-4=-60, 4-11=-60, 1-23=-20, 22-23=-20, 20-22=-20, 19-20=-20, 12-19=-20

Concentrated Loads (lb)

Vert: 4=-326(F) 21=-254(F) 24=-164(F) 25=-164(F) 26=-164(F) 27=-125(F) 28=-125(F) 29=-125(F) 30=-125(F) 31=-125(F) 32=-125(F) 33=-125(F) 34=-125(F) 35=-125(F) 36=-125(F) 37=-125(F) 38=-125(F) 39=-125(F) 40=-11(F) 41=-11(F) 42=-47(F) 43=-47(F) 44=-47(F) 45=-47(F) 46=-47(F) 47=-47(F) 48=-47(F) 49=-47(F) 50=-47(F) 51=-47(F) 52=-47(F) 53=-47(F) 54=-47(F)

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A10	ROOF TRUSS	1	1	E5008800

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:33 2008 Page 1

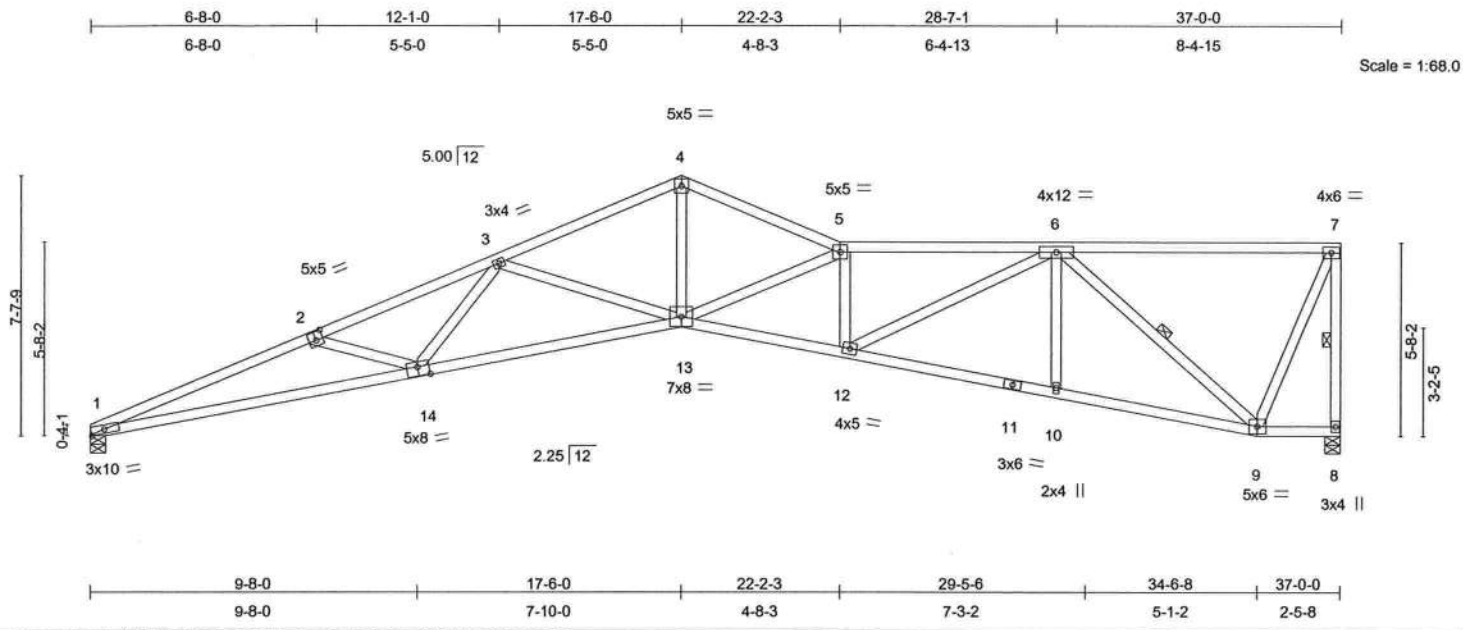


Plate Offsets (X,Y): [1:0-4-12,Edge], [2:0-2-8,0-3-0], [14:0-4-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.88	Vert(LL)	-0.42	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-1.10	13-14	>400	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.77	Horz(TL)	0.56	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 193 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
1-14: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-3-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-9-2 oc bracing.
WEBS 1 Row at midpt 7-8, 6-9

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

REACTIONS (lb/size) 8=1465/0-5-8, 1=1465/0-5-8
Max Horz 1=197(LC 5)
Max Uplift8=-178(LC 6), 1=-144(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5236/649, 2-3=-4836/518, 3-4=-3623/352, 4-5=-3608/364, 5-6=-4175/426, 6-7=-564/54, 7-8=-1407/164
BOT CHORD 1-14=-753/4840, 13-14=-544/4181, 12-13=-446/4316, 11-12=-272/2340, 10-11=-278/2322, 9-10=-277/2345, 8-9=-21/60
WEBS 2-14=-384/205, 3-14=-20/597, 3-13=-888/228, 4-13=-190/2409, 5-13=-1047/178, 5-12=-1205/174, 6-12=-197/2100, 6-10=0/268, 6-9=-2331/288, 7-9=-84/1275

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 178 lb uplift at joint 8 and 144 lb uplift at joint 1.

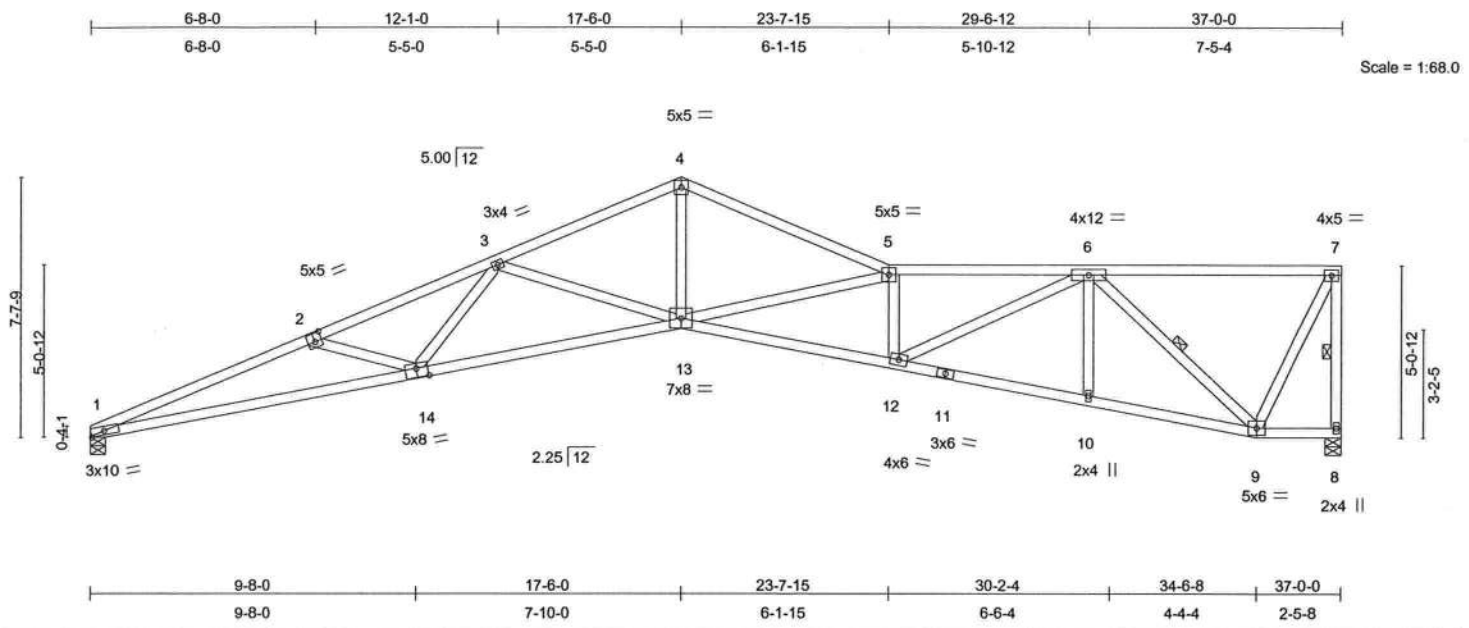
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A11	ROOF TRUSS	1	1	E5008801
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:34 2008 Page 1



9-8-0	17-6-0	23-7-15	30-2-4	34-6-8	37-0-0
9-8-0	7-10-0	6-1-15	6-6-4	4-4-4	2-5-8

Plate Offsets (X,Y): [1:0-4-12,Edge], [2:0-2-8,0-3-0], [14:0-4-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.43	13	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.84	Vert(TL)	-1.12	13-14	>391	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.97	Horz(TL)	0.59	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 190 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
1-14: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-3-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-10-14 oc bracing.
WEBS 1 Row at midpt 7-8, 6-9

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

REACTIONS (lb/size) 8=1465/0-5-8, 1=1465/0-5-8
Max Horz 1=185(LC 5)
Max Uplift8=-175(LC 6), 1=-146(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5237/648, 2-3=-4832/516, 3-4=-3637/350, 4-5=-3645/359, 5-6=-4508/464, 6-7=-637/62, 7-8=-1408/167
BOT CHORD 1-14=-739/4840, 13-14=-527/4177, 12-13=-489/4674, 11-12=-266/2360, 10-11=-275/2353, 9-10=-275/2364, 8-9=-19/55
WEBS 2-14=-386/206, 3-14=-22/590, 3-13=-880/226, 4-13=-168/2369, 5-13=-1315/228, 5-12=-1377/196, 6-12=-220/2434, 6-10=0/230, 6-9=-2319/282, 7-9=-100/1333

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 175 lb uplift at joint 8 and 146 lb uplift at joint 1.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A12	ROOF TRUSS	1	1	E5008802
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:35 2008 Page 1

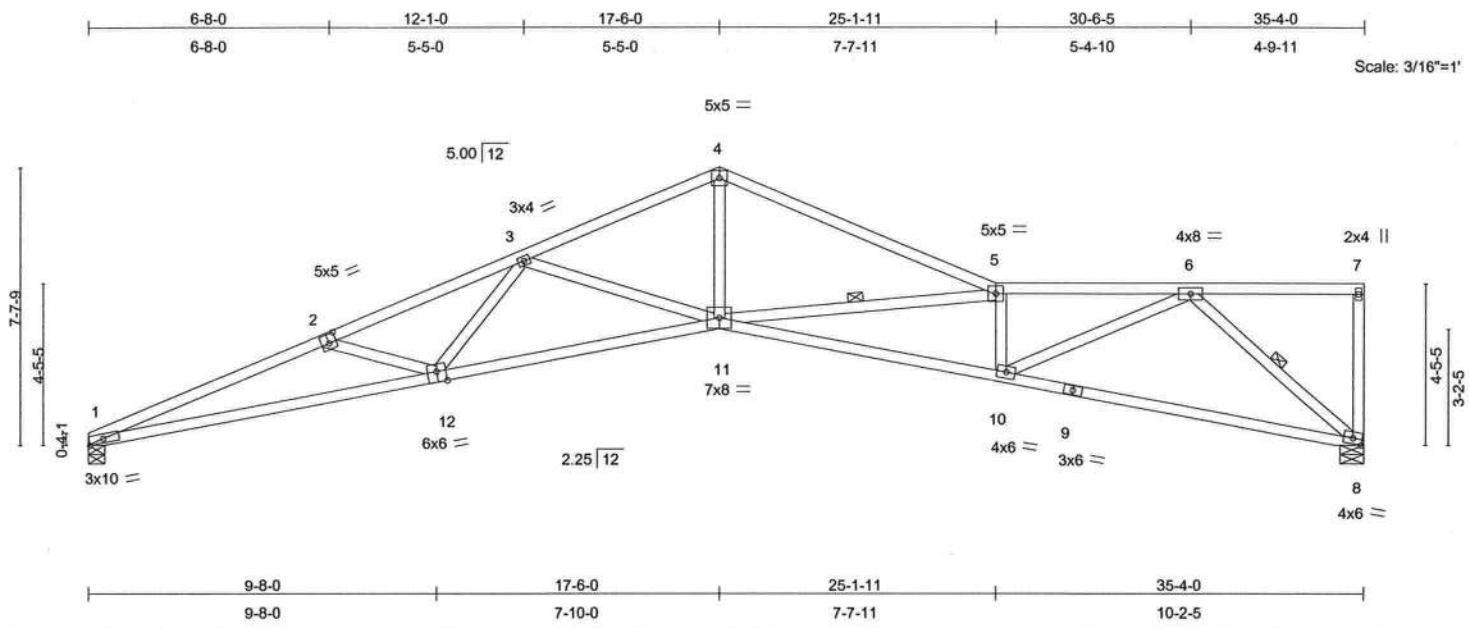


Plate Offsets (X,Y): [1:0-4-12,Edge], [2:0-2-8,0-3-0], [12:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.95	Vert(LL)	-0.39	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.84	Vert(TL)	-1.02	11-12	>413	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.91	Horz(TL)	0.57	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 172 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
1-12: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-4-13 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 9-2-1 oc bracing.
WEBS 1 Row at midpt 5-11, 6-8

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

REACTIONS (lb/size) 8=1398/0-7-12, 1=1398/0-5-8
Max Horz 1=172(LC 5)
Max Uplift8=-160(LC 6), 1=-144(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4959/632, 2-3=-4540/498, 3-4=-3349/334, 4-5=-3383/342, 5-6=-4224/417, 6-7=-82/0, 7-8=-139/45
BOT CHORD 1-12=-712/4582, 11-12=-497/3893, 10-11=-447/4404, 9-10=-204/1706, 8-9=-220/1688
WEBS 2-12=-395/208, 3-12=-24/597, 3-11=-877/221, 4-11=-145/2097, 5-11=-1314/229, 5-10=-1509/236, 6-10=-230/2824, 6-8=-2171/297

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 8, 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint 8 and 144 lb uplift at joint 1.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A13	ROOF TRUSS	3	1	E5008803

SANTA FE TRUSS, HIGH SPRINGS, FL. — Job Reference (optional) — 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:36 2008 Page 1

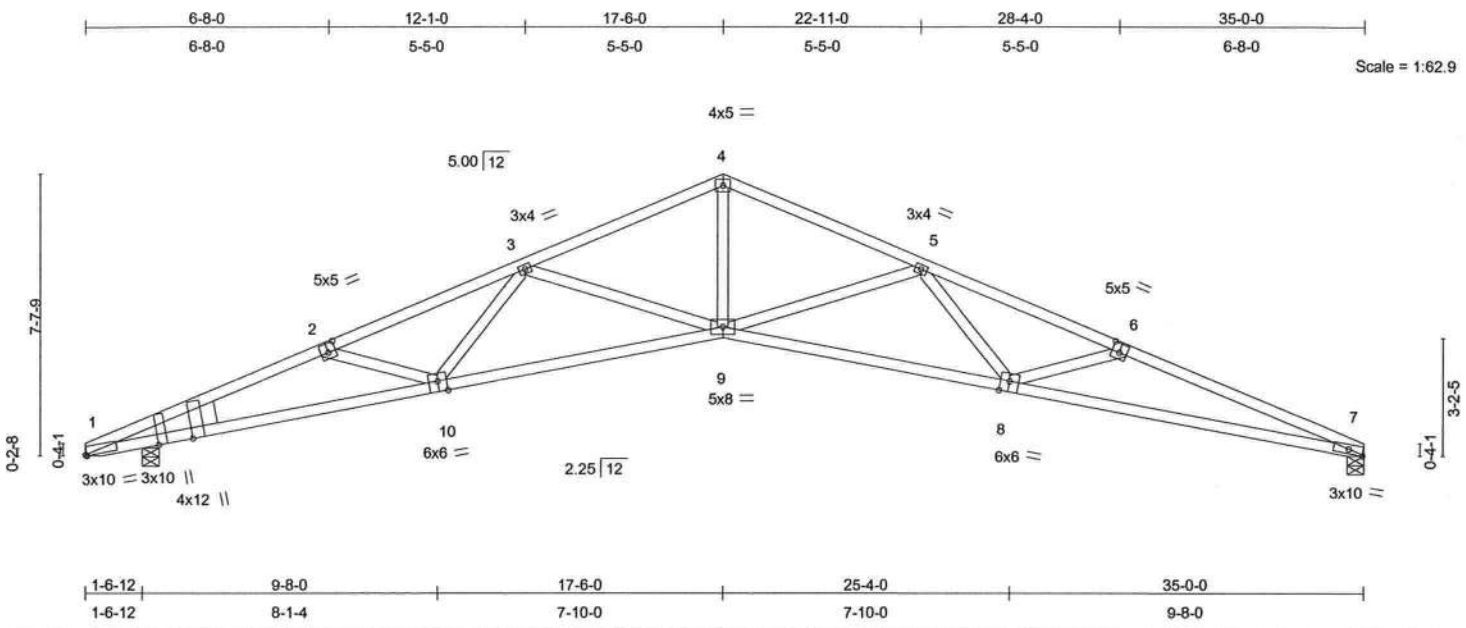


Plate Offsets (X,Y): [1:0-1-4,Edge], [1:0-1-4,Edge], [1:0-0-8,Edge], [2:0-2-8,0-3-0], [6:0-2-8,0-3-0], [7:0-4-12,Edge], [8:0-3-0,Edge], [10:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	1.00	Vert(LL)	-0.43	9	>969	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-1.09	9-10	>379	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.68	Horz(TL)	0.63	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 162 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
1-10,7-8: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 8 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-5-2 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) 7=1382/0-5-8, 1=1382/0-5-8
Max Horz 1=87(LC 5)
Max Uplift7=-149(LC 6), 1=-149(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4885/583, 2-3=-4472/450, 3-4=-3253/277, 4-5=-3253/288, 5-6=-4472/379, 6-7=-4885/515
BOT CHORD 1-10=-581/4513, 9-10=-364/3834, 8-9=-208/3834, 7-8=-428/4513
WEBS 2-10=-394/208, 3-10=-25/596, 3-9=-889/231, 4-9=-120/2112, 5-9=-889/233, 5-8=-28/596, 6-8=-394/212

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Bearing at joint(s) 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 149 lb uplift at joint 7 and 149 lb uplift at joint 1.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 1.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A14	ROOF TRUSS	2	1	E5008804

SANTA FE TRUSS, HIGH SPRINGS, FL. Job Reference (optional)

7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:37 2008 Page 1

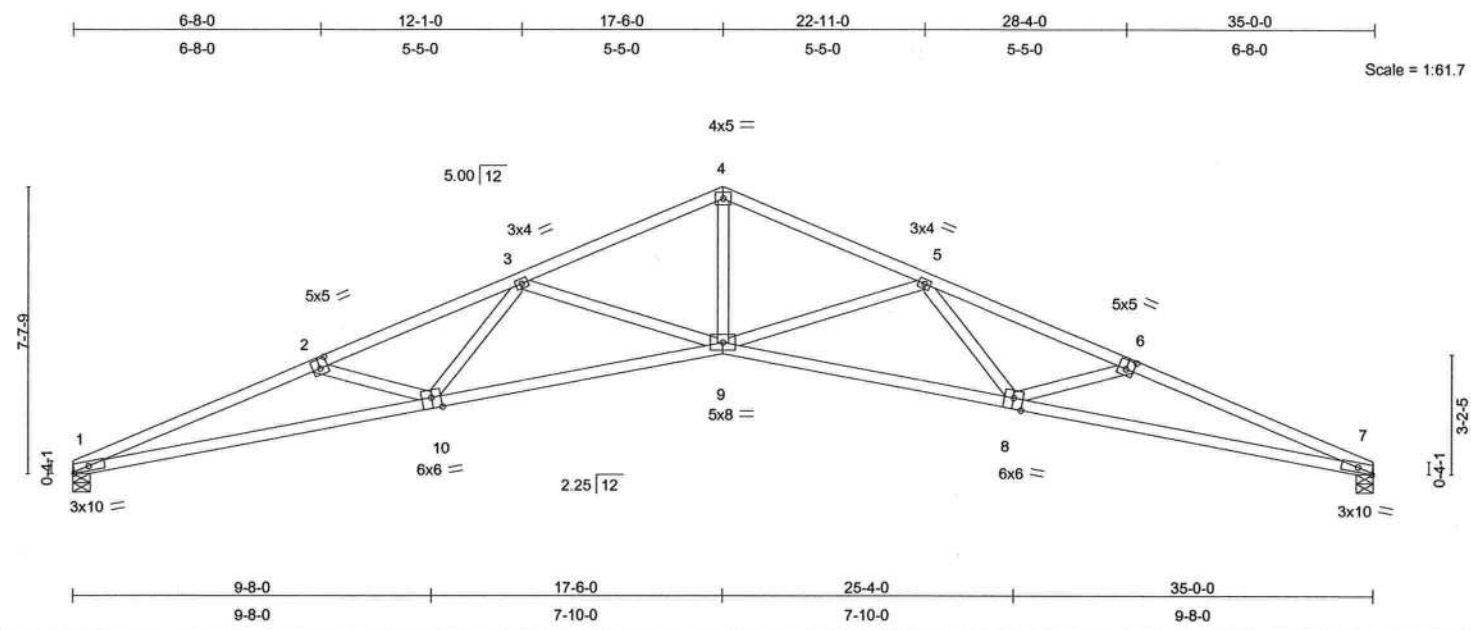


Plate Offsets (X,Y): [1:0-4-12,Edge], [2:0-2-8,0-3-0], [6:0-2-8,0-3-0], [7:0-4-12,Edge], [8:0-3-0,Edge], [10:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	-0.43	9	>969	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-1.09	9-10	>379	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.68	Horz(TL)	0.63	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 153 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
1-10,7-8: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-5-2 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=1382/0-5-8, 7=1382/0-5-8
Max Horz 1=87(LC 5)
Max Uplift1=-149(LC 5), 7=-149(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4885/583, 2-3=-4472/450, 3-4=-3253/277, 4-5=-3253/288, 5-6=-4472/379, 6-7=-4885/515
BOT CHORD 1-10=-580/4513, 9-10=-364/3834, 8-9=-208/3834, 7-8=-428/4513
WEBS 2-10=-394/208, 3-10=-25/596, 3-9=-889/231, 4-9=-120/2112, 5-9=-889/233, 5-8=-28/596, 6-8=-394/212

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 149 lb uplift at joint 1 and 149 lb uplift at joint 7.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A15	ROOF TRUSS	1	1	E5008805

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:38 2008 Page 1

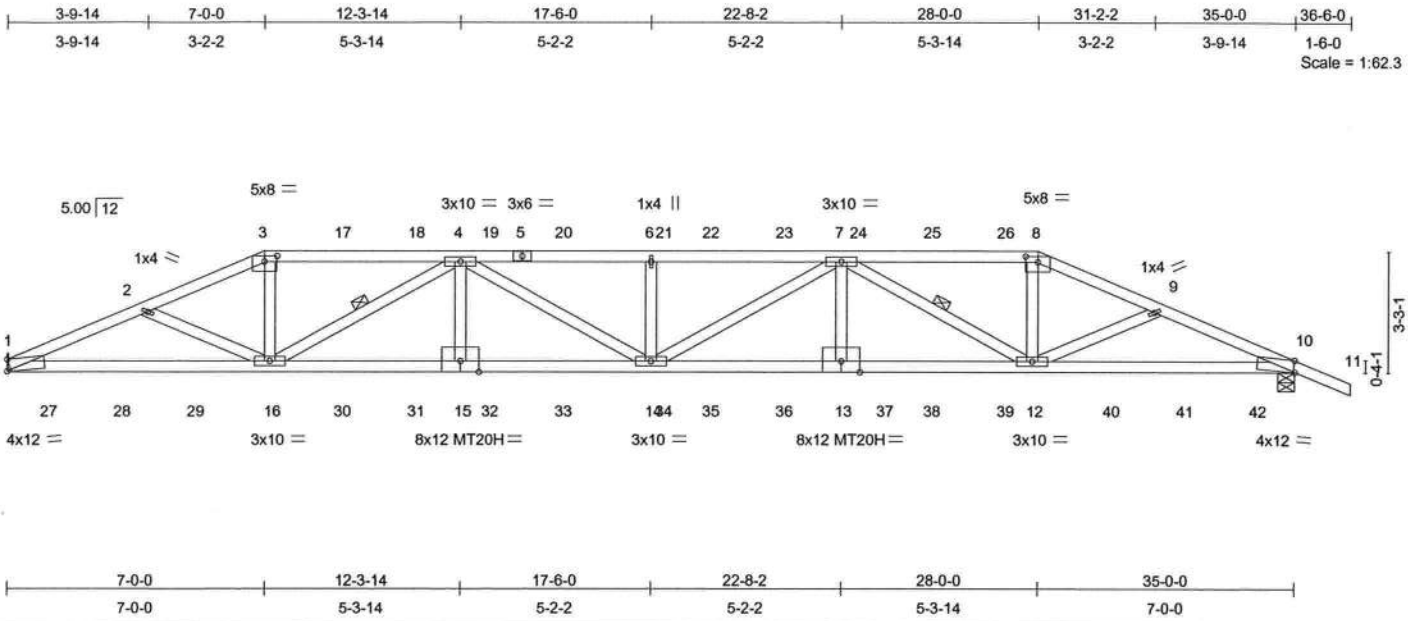


Plate Offsets (X,Y): [1:Edge,0-3-12], [3:0-4-0,0-1-13], [8:0-4-0,0-1-13], [10:0-0-6,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.94	Vert(LL)	-0.54	14	>772	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.87	Vert(TL)	-1.39	14-15	>300	180	MT20H	187/143
BCLL	0.0	Rep Stress Incr	NO	WB	0.57	Horz(TL)	0.34	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 172 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2D *Except* 5-8: 2 X 4 SYP 2400F 2.0E
BOT CHORD 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 1-7-10 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-11-13 oc bracing.
WEBS 1 Row at midpt 4-16, 7-12

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

REACTIONS (lb/size) 1=2685/Mechanical, 10=2863/0-5-8
Max Horz 1=-65(LC 6)
Max Uplift1=-578(LC 5), 10=-667(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-6129/1428, 2-3=-6001/1454, 3-17=-5614/1377, 17-18=-5614/1377, 4-18=-5614/1377, 4-19=-8605/2175, 5-19=-8605/2175, 5-20=-8605/2175, 20-21=-8605/2175, 6-21=-8605/2175, 6-22=-8605/2175, 22-23=-8605/2175, 7-23=-8605/2175, 7-24=-5636/1416, 24-25=-5636/1416, 25-26=-5636/1416, 8-26=-5636/1416, 8-9=-6027/1496, 9-10=-6020/1440, 10-11=0/34

BOT CHORD 1-27=-1284/5593, 27-28=-1284/5593, 28-29=-1284/5593, 16-29=-1284/5593, 16-30=-1900/7847, 30-31=-1900/7847, 15-31=-1900/7847, 15-32=-1900/7847, 32-33=-1900/7847, 33-34=-1900/7847, 14-34=-1900/7847, 14-35=-1922/7866, 35-36=-1922/7866, 13-36=-1922/7866, 13-37=-1922/7866, 37-38=-1922/7866, 38-39=-1922/7866, 12-39=-1922/7866, 12-40=-1267/5442, 40-41=-1267/5442, 41-42=-1267/5442, 10-42=-1267/5442

WEBS 2-16=-66/121, 3-16=-275/1622, 4-16=-2638/696, 4-15=0/401, 4-14=-223/927, 6-14=-619/264, 7-14=-201/883, 7-13=0/408, 7-12=-2611/682, 8-12=-248/1555, 9-12=-77/283

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
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) Refer to girder(s) for truss to truss connections.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 578 lb uplift at joint 1 and 667 lb uplift at joint 10.

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Continued on page 2

NOTES

8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 257 lb down and 152 lb up at 7-0-0, 125 lb down and 73 lb up at 9-0-12, 125 lb down and 73 lb up at 11-0-12, 125 lb down and 73 lb up at 13-0-12, 125 lb down and 73 lb up at 15-0-12, 125 lb down and 73 lb up at 17-0-12, 125 lb down and 73 lb up at 19-0-12, 125 lb down and 73 lb up at 21-0-12, 125 lb down and 73 lb up at 23-0-12, 125 lb down and 73 lb up at 25-0-12, and 125 lb down and 73 lb up at 27-0-12, and 297 lb down and 152 lb up at 28-0-0 on top chord, and 98 lb down at 1-0-12, 107 lb down at 3-0-12, 94 lb down at 5-0-12, 94 lb down at 7-0-12, 94 lb down at 9-0-12, 94 lb down at 11-0-12, 94 lb down at 13-0-12, 94 lb down at 15-0-12, 94 lb down at 17-0-12, 94 lb down at 19-0-12, 94 lb down at 21-0-12, 94 lb down at 23-0-12, 94 lb down at 25-0-12, 94 lb down at 27-0-12, 94 lb down at 27-11-4, 94 lb down at 29-11-4, and 107 lb down at 31-11-4, and 98 lb down at 33-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-60, 3-8=-60, 8-11=-60, 1-10=-20

Concentrated Loads (lb)

Vert: 3=-257(B) 8=-257(B) 16=-47(B) 12=-47(B) 17=-125(B) 18=-125(B) 19=-125(B) 20=-125(B) 21=-125(B) 22=-125(B) 23=-125(B) 24=-125(B) 25=-125(B) 26=-125(B) 27=-49(B) 28=-72(B) 29=-47(B) 30=-47(B) 31=-47(B) 32=-47(B) 33=-47(B) 34=-47(B) 35=-47(B) 36=-47(B) 37=-47(B) 38=-47(B) 39=-47(B) 40=-47(B) 41=-72(B) 42=-49(B)

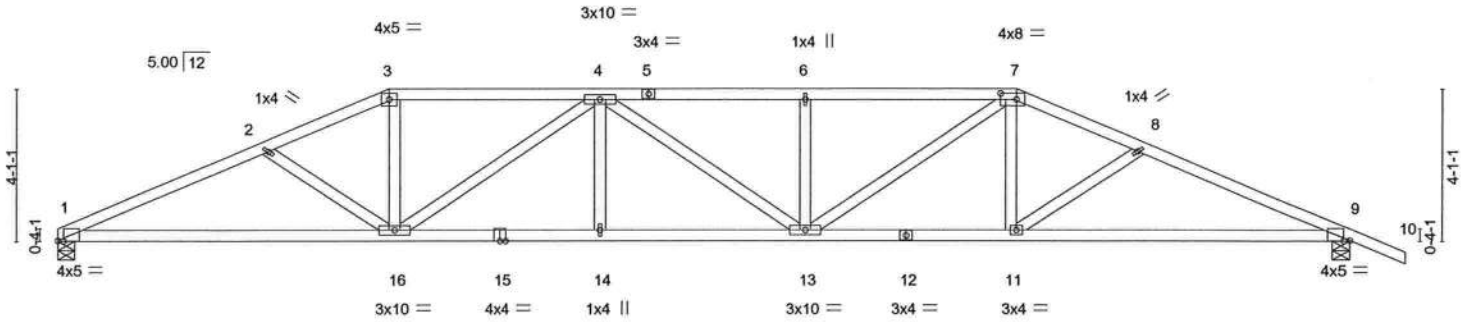
Job	Truss	Truss Type	Qty	Ply	
CUNRES	A16	ROOF TRUSS	1	1	E5008806

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:39 2008 Page 1

5-8-11	9-0-0	14-8-9	20-3-7	26-0-0	29-3-5	35-0-0	36-6-0
5-8-11	3-3-5	5-8-9	5-6-13	5-8-9	3-3-5	5-8-11	1-6-0

Scale = 1:62.2



9-0-0	14-8-9	20-3-7	26-0-0	35-0-0
9-0-0	5-8-9	5-6-13	5-8-9	9-0-0

Plate Offsets (X,Y): [1:0-1-14,0-0-2], [7:0-5-4,0-2-0], [9:0-1-14,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.39	Vert(LL)	-0.21	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-0.54	13-14	>763	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.67	Horz(TL)	0.16	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 170 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-9 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=1379/0-5-8, 9=1488/0-5-8
Max Horz 1=-75(LC 6)
Max Uplift1=-135(LC 4), 9=-190(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2928/347, 2-3=-2676/327, 3-4=-2462/317, 4-5=-3094/430, 5-6=-3094/430, 6-7=-3094/430, 7-8=-2660/327, 8-9=-2914/346, 9-10=0/34
BOT CHORD 1-16=-264/2640, 15-16=-330/3097, 14-15=-330/3097, 13-14=-330/3097, 12-13=-214/2431, 11-12=-214/2431, 9-11=-264/2611
WEBS 2-16=-251/133, 3-16=-33/746, 4-16=-856/138, 4-14=0/193, 4-13=-78/73, 6-13=-344/126, 7-13=-144/879, 7-11=0/379, 8-11=-232/117

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 1 and 190 lb uplift at joint 9.

LOAD CASE(S) Standard

MARVIN A. STRZYZEWSKI LICENSE No 43144 STATE OF FLORIDA PROFESSIONAL ENGINEER

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A17	ROOF TRUSS	1	1	E5008807
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:40 2008 Page 1

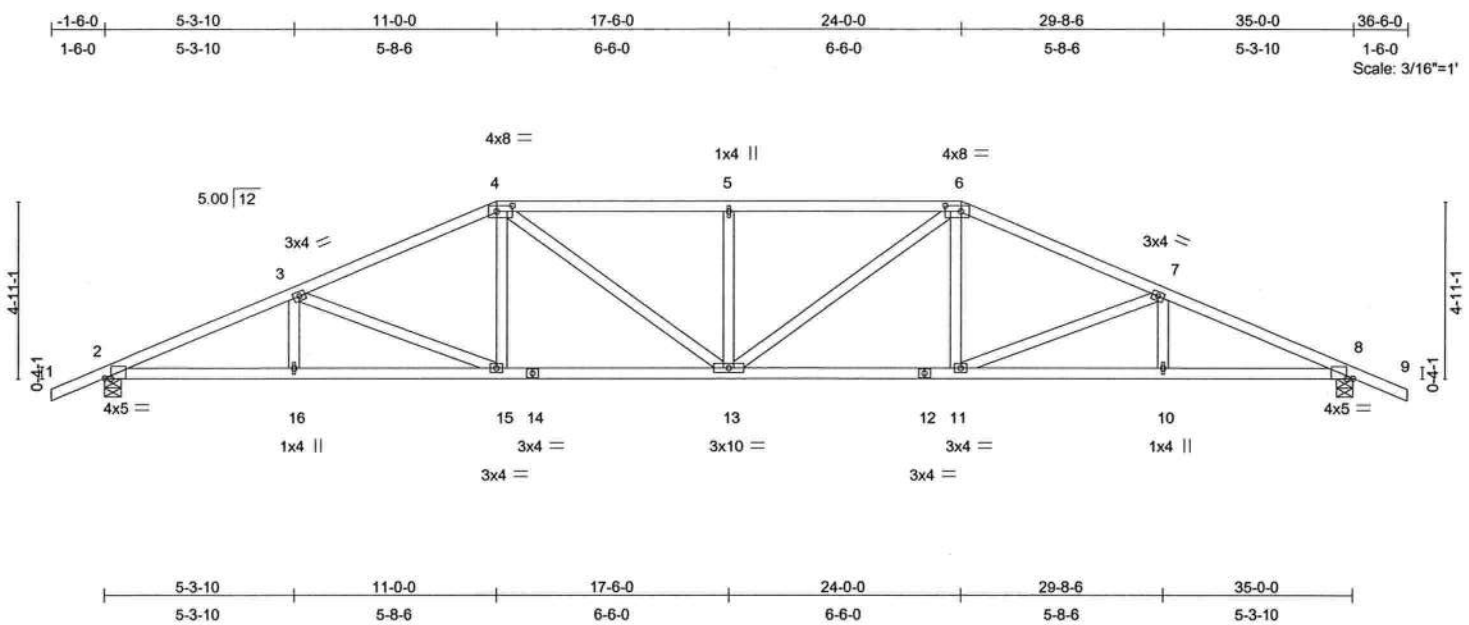


Plate Offsets (X,Y): [2:0-2-2,0-0-2], [4:0-5-4,0-2-0], [6:0-5-4,0-2-0], [8:0-2-2,0-0-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.17	13	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.52	Vert(TL)	-0.43	11-13	>965	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.15	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 177 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-7-10 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=1485/0-5-8, 8=1485/0-5-8
Max Horz 2=-76(LC 6)
Max Uplift2=-181(LC 5), 8=-181(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-2989/276, 3-4=-2494/289, 4-5=-2613/341, 5-6=-2613/341, 6-7=-2494/289, 7-8=-2989/276, 8-9=0/34
BOT CHORD 2-16=-194/2680, 15-16=-194/2680, 14-15=-160/2256, 13-14=-160/2256, 12-13=-165/2256, 11-12=-165/2256, 10-11=-207/2680, 8-10=-207/2680
WEBS 3-16=0/217, 3-15=-473/114, 4-15=0/385, 4-13=-74/571, 5-13=-401/148, 6-13=-74/571, 6-11=0/385, 7-11=-473/115, 7-10=0/217

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 181 lb uplift at joint 2 and 181 lb uplift at joint 8.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A18	ROOF TRUSS	1	1	E5008808

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:41 2008 Page 1

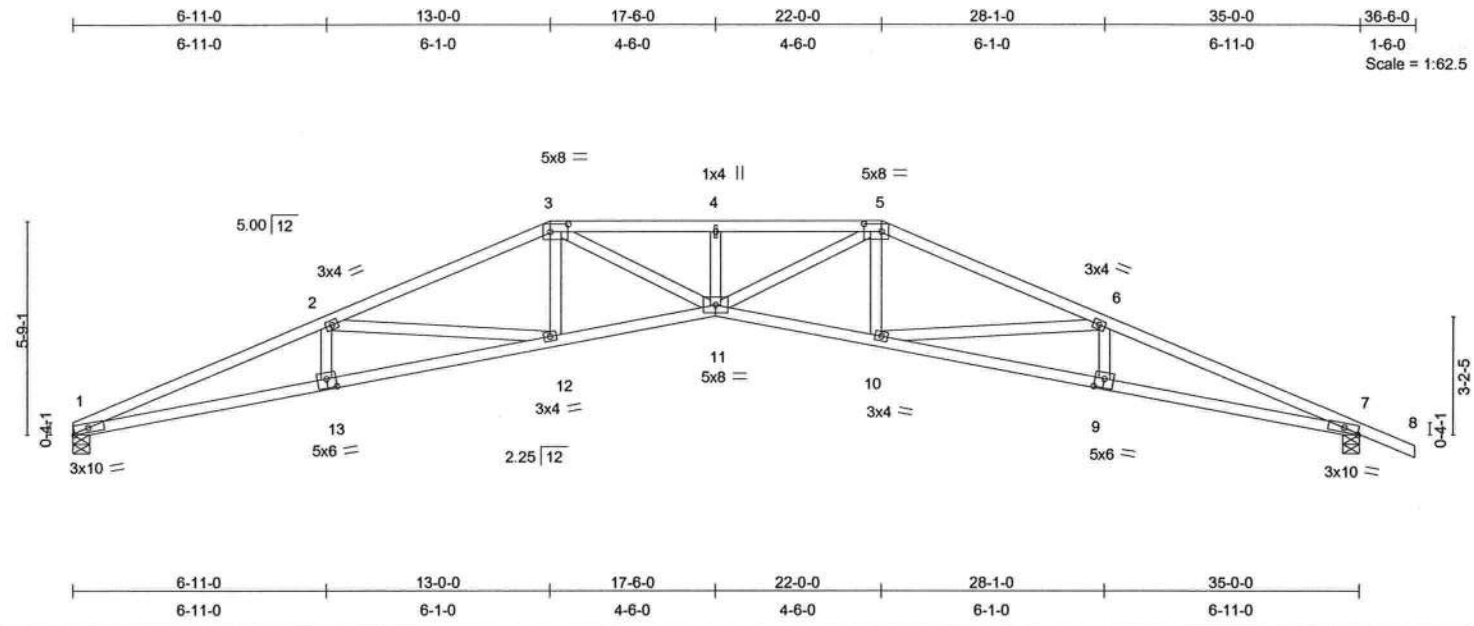


Plate Offsets (X,Y): [1:0-4-12,Edge], [3:0-5-12,0-2-8], [5:0-5-12,0-2-8], [7:0-4-12,Edge], [9:0-3-0,0-3-0], [13:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.67	Vert(LL)	-0.53	11	>777	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.97	Vert(TL)	-1.34	11	>310	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.60	Horz(TL)	0.76	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 158 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-4-1 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 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=1379/0-5-8, 7=1488/0-5-8
Max Horz 1=-93(LC 6)
Max Uplift1=-123(LC 5), 7=-195(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4955/415, 2-3=-4012/339, 3-4=-5218/449, 4-5=-5218/449, 5-6=-4006/342, 6-7=-4908/368, 7-8=0/32
BOT CHORD 1-13=-392/4552, 12-13=-391/4555, 11-12=-197/3720, 10-11=-200/3714, 9-10=-290/4509, 7-9=-291/4504
WEBS 2-13=0/263, 2-12=-860/239, 3-12=-11/412, 3-11=-134/1748, 4-11=-209/88, 5-11=-130/1754, 5-10=-6/410, 6-10=-819/215, 6-9=0/260

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 1 and 195 lb uplift at joint 7.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A19	ROOF TRUSS	1	1	E5008809
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:42 2008 Page 1

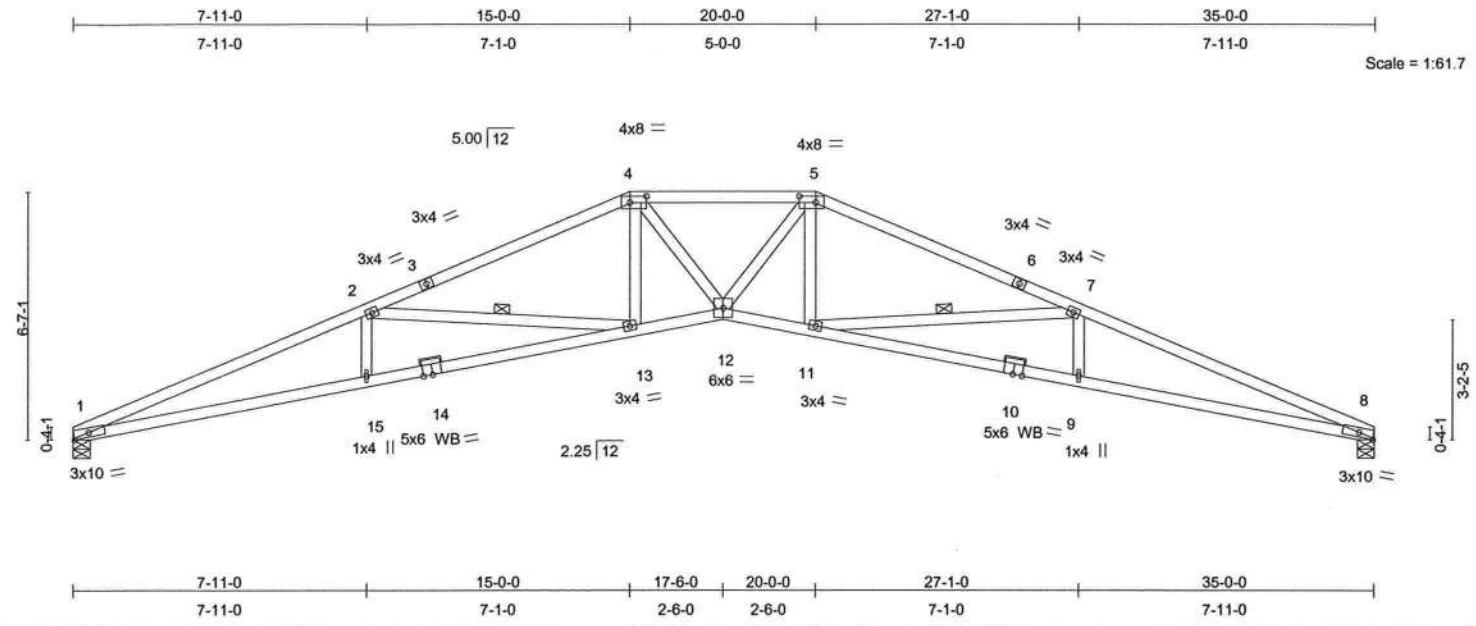


Plate Offsets (X,Y): [1:0-4-12,Edge], [4:0-5-4,0-2-0], [5:0-5-4,0-2-0], [8:0-4-12,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.93	Vert(LL)	-0.44	12	>951	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.80	Vert(TL)	-1.09	13-15	>380	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.65	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 155 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
1-14,8-10: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied.
BOT CHORD Rigid ceiling directly applied or 9-8-12 oc bracing.
WEBS 1 Row at midpt 2-13, 7-11

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

REACTIONS (lb/size) 1=1382/0-5-8, 8=1382/0-5-8
Max Horz 1=75(LC 5)
Max Uplift1=-135(LC 5), 8=-135(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4935/469, 2-3=-3701/244, 3-4=-3615/269, 4-5=-3834/281, 5-6=-3615/260, 6-7=-3701/235, 7-8=-4935/410
BOT CHORD 1-15=-453/4537, 14-15=-452/4512, 13-14=-445/4533, 12-13=-159/3406, 11-12=-118/3406, 10-11=-314/4533, 9-10=-321/4512, 8-9=-322/4537
WEBS 2-15=0/320, 2-13=-1133/288, 4-13=-13/494, 4-12=-62/785, 5-12=-92/785, 5-11=-13/494, 7-11=-1133/292, 7-9=0/320

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 1, 8 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 135 lb uplift at joint 1 and 135 lb uplift at joint 8.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A2	ROOF TRUSS	1	1	E5008810
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:43 2008 Page 1

2-6-0 3-10-0 7-8-8 12-4-0 16-2-4 24-2-1 32-0-3 40-0-0
2-6-0 1-4-0 3-10-8 4-7-8 3-10-4 7-11-13 7-10-1 7-11-13

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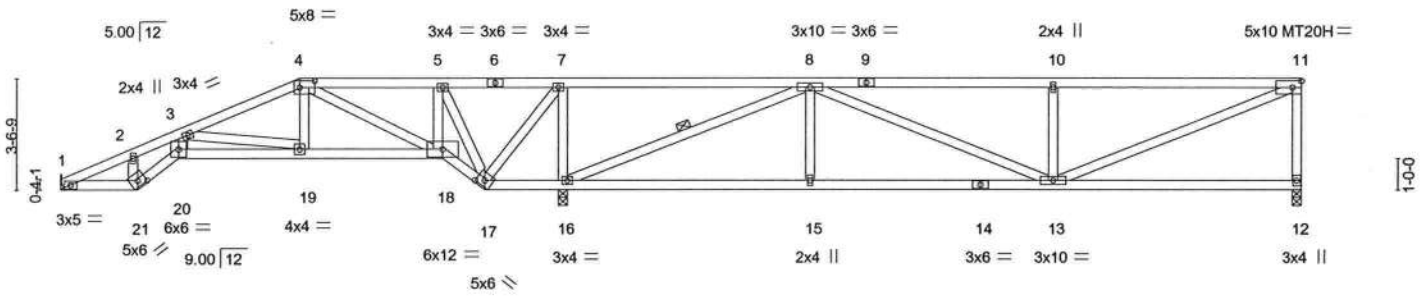

2-6-0 3-10-0 7-8-8 12-4-0 13-8-0 16-2-4 24-2-1 32-0-3 40-0-0
2-6-0 1-4-0 3-10-8 4-7-8 1-4-0 2-6-4 7-11-13 7-10-1 7-11-13

Plate Offsets (X,Y): [4:0-5-12,0-2-8], [17:0-3-0,0-2-2], [21:0-3-0,0-2-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.87	Vert(LL)	-0.07	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.21	13-15	>999	180	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.81	Horz(TL)	0.08	12	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 206 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-8-1 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 17-18
5-2-0 oc bracing: 16-17.
WEBS 1 Row at midpt 8-16

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

REACTIONS (lb/size) 1=328/Mechanical, 12=731/0-3-8, 16=2124/0-3-8
Max Horz 1=104(LC 5)
Max Uplift1=-32(LC 5), 12=-117(LC 3), 16=-299(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-808/100, 2-3=-810/124, 3-4=-174/16, 4-5=-103/840, 5-6=-103/916, 6-7=-103/916, 7-8=-177/1445, 8-9=-1126/186, 9-10=-1126/186, 10-11=-1126/186, 11-12=-648/151
BOT CHORD 1-21=-177/724, 20-21=-178/753, 19-20=-159/620, 18-19=-37/166, 17-18=-1017/145, 16-17=-1445/177, 15-16=-126/623, 14-15=-126/623, 13-14=-126/623, 12-13=-16/107
WEBS 2-21=-227/71, 3-20=-33/331, 3-19=-476/124, 4-19=0/280, 4-18=-1117/155, 5-18=-18/97, 5-17=-180/18, 7-17=-120/860, 7-16=-1088/242, 8-16=-2234/324, 8-15=0/315, 8-13=-66/544, 10-13=-480/180, 11-13=-183/1103

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 32 lb uplift at joint 1, 117 lb uplift at joint 12 and 299 lb uplift at joint 16.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A20	ROOF TRUSS	1	1	E5008811
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:44 2008 Page 1

6-8-0	12-1-0	17-6-0	22-11-0	28-4-0	35-0-0
6-8-0	5-5-0	5-5-0	5-5-0	5-5-0	6-8-0

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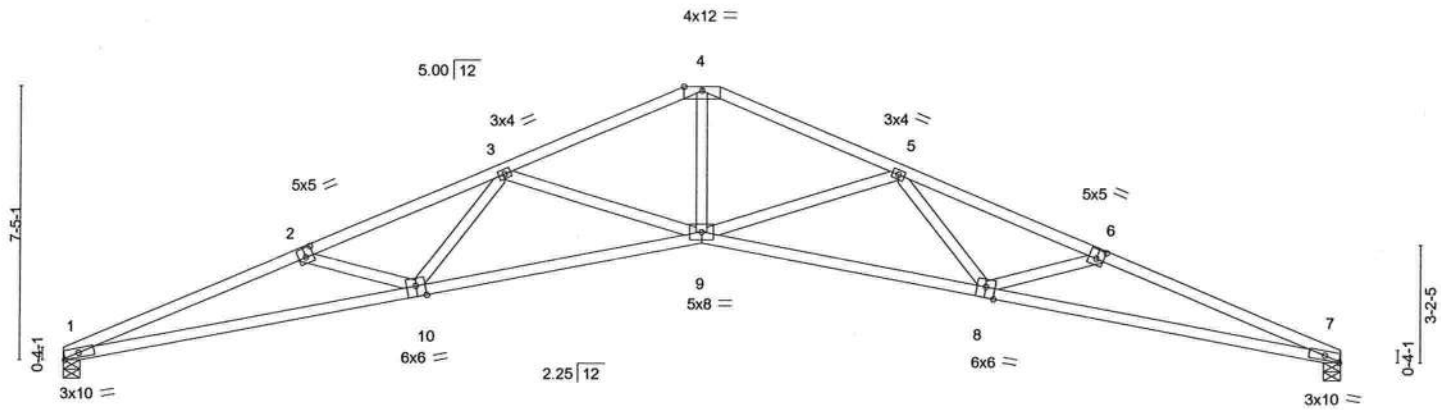


9-8-0	17-6-0	25-4-0	35-0-0
9-8-0	7-10-0	7-10-0	9-8-0

Plate Offsets (X,Y): [1:0-4-12,Edge], [2:0-2-8,0-3-0], [6:0-2-8,0-3-0], [7:0-4-12,Edge], [8:0-3-0,Edge], [10:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	-0.43	9	>969	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.75	Vert(TL)	-1.09	9-10	>379	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.68	Horz(TL)	0.63	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 153 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
1-10,7-8: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-5-2 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=1382/0-5-8, 7=1382/0-5-8
Max Horz 1=87(LC 5)
Max Uplift1=-149(LC 5), 7=-149(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4885/583, 2-3=-4472/450, 3-4=-3253/277, 4-5=-3253/288, 5-6=-4472/379, 6-7=-4885/515
BOT CHORD 1-10=-580/4513, 9-10=-364/3834, 8-9=-208/3834, 7-8=-428/4513
WEBS 2-10=-394/208, 3-10=-25/596, 3-9=-889/231, 4-9=-120/2112, 5-9=-889/233, 5-8=-28/596, 6-8=-394/212

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Bearing at joint(s) 1, 7 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 149 lb uplift at joint 1 and 149 lb uplift at joint 7.

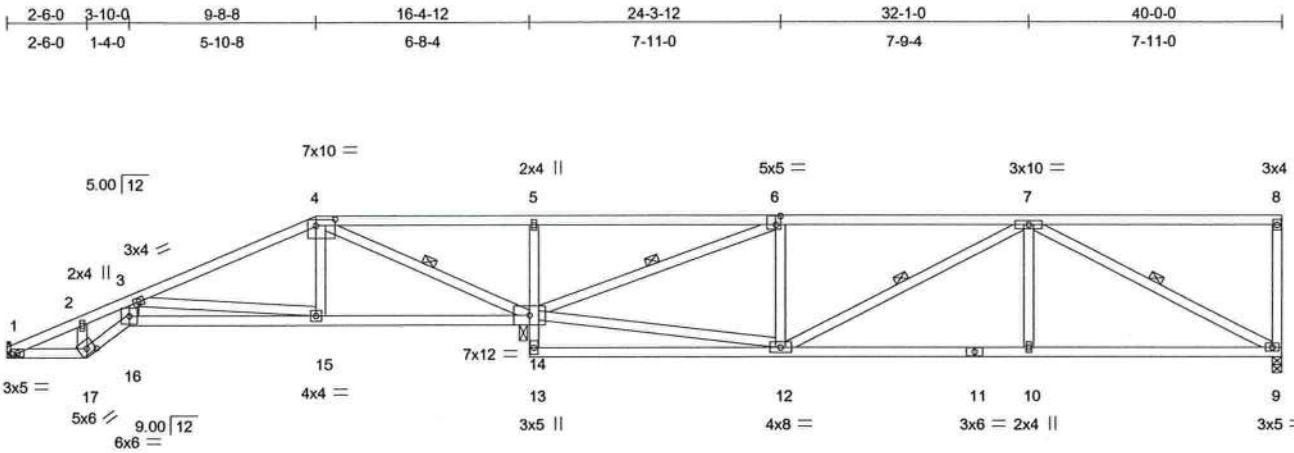
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	E5008812
CUNRES	A3	ROOF TRUSS	1	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:44 2008 Page 1



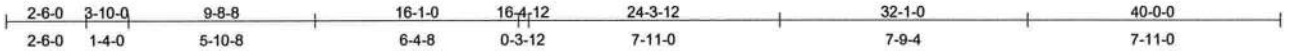


Plate Offsets (X,Y): [4:0-7-0,0-2-4], [6:0-1-12,0-3-4], [17:0-3-0,0-2-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.75	Vert(LL)	-0.12	15-16	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.62	Vert(TL)	-0.34	15-16	>582	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.72	Horz(TL)	0.13	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 216 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
5-13: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 14-15,12-13.
WEBS 1 Row at midpt 4-14, 6-14, 7-12, 7-9

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

REACTIONS (lb/size) 1=340/Mechanical, 9=714/0-3-8, 14=2116/0-3-0
Max Horz 1=131(LC 5)
Max Uplift1=-19(LC 5), 9=-117(LC 3), 14=-291(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-913/87, 2-3=-910/106, 3-4=-75/102, 4-5=-246/1534, 5-6=-232/1519, 6-7=-436/96, 7-8=-76/11, 8-9=-217/77
BOT CHORD 1-17=-191/815, 16-17=-183/833, 15-16=-182/708, 14-15=-4/20, 13-14=0/152, 5-14=-443/164, 12-13=-1/55, 11-12=-148/868, 10-11=-148/868, 9-10=-148/868
WEBS 2-17=-198/44, 3-16=-10/400, 3-15=-728/201, 4-15=0/364, 4-14=-1681/248, 12-14=-124/429, 6-14=-2097/276, 6-12=0/447, 7-12=-488/73, 7-10=0/320, 7-9=-896/155

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
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) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 1, 117 lb uplift at joint 9 and 291 lb uplift at joint 14.

LOAD CASE(S) Standard

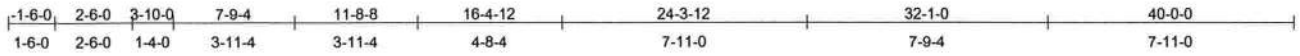
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A4	ROOF TRUSS	1	1	E5008813

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:45 2008 Page 1



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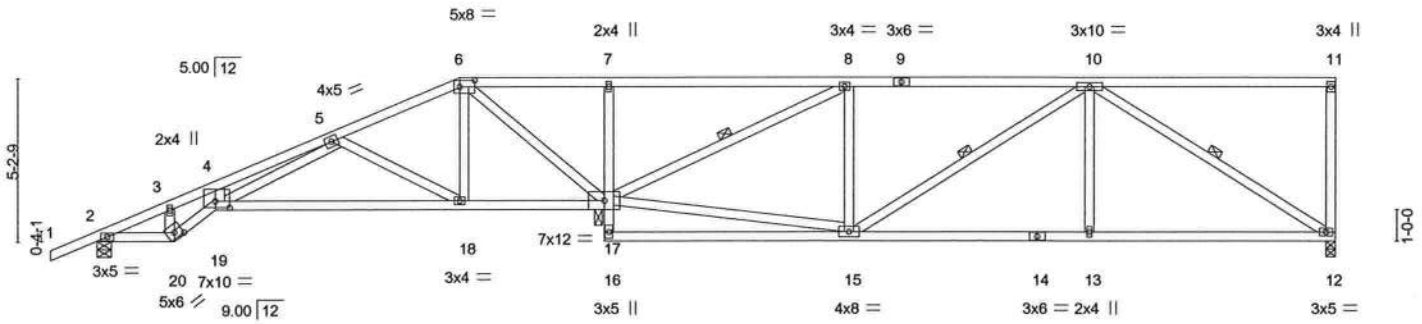


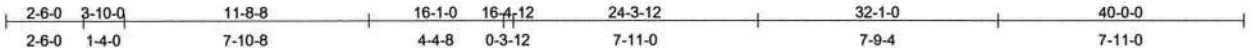


Plate Offsets (X,Y): [6:0-5-12,0-2-8], [19:0-5-8,0-2-8], [20:0-3-0,0-2-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.12	18-19	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.36	18-19	>541	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.81	Horz(TL)	0.08	12	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 230 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
7-16: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except:
6-0-0 oc bracing: 18-19,17-18.
WEBS 1 Row at midpt 8-17, 10-15, 10-12

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

REACTIONS (lb/size) 12=684/0-3-8, 2=407/0-5-8, 17=2183/0-3-0
Max Horz 2=188(LC 5)
Max Uplift12=-123(LC 3), 2=-94(LC 5), 17=-274(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-644/2, 3-4=-651/20, 4-5=-561/64, 5-6=-97/523, 6-7=-185/1415, 7-8=-177/1385, 8-9=-277/103, 9-10=-277/103, 10-11=-59/9, 11-12=-216/77
BOT CHORD 2-20=-133/566, 19-20=-122/614, 18-19=-116/0, 17-18=-430/56, 16-17=0/151, 7-17=-413/148, 15-16=0/128, 14-15=-133/674, 13-14=-133/674, 12-13=-133/674
WEBS 3-20=-239/46, 4-19=0/197, 5-19=-57/602, 5-18=-493/162, 6-18=-6/443, 6-17=-1268/166, 15-17=-150/250, 8-17=-1862/214, 8-15=0/511, 10-15=-470/61, 10-13=0/322, 10-12=-727/147

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
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) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 123 lb uplift at joint 12, 94 lb uplift at joint 2 and 274 lb uplift at joint 17.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

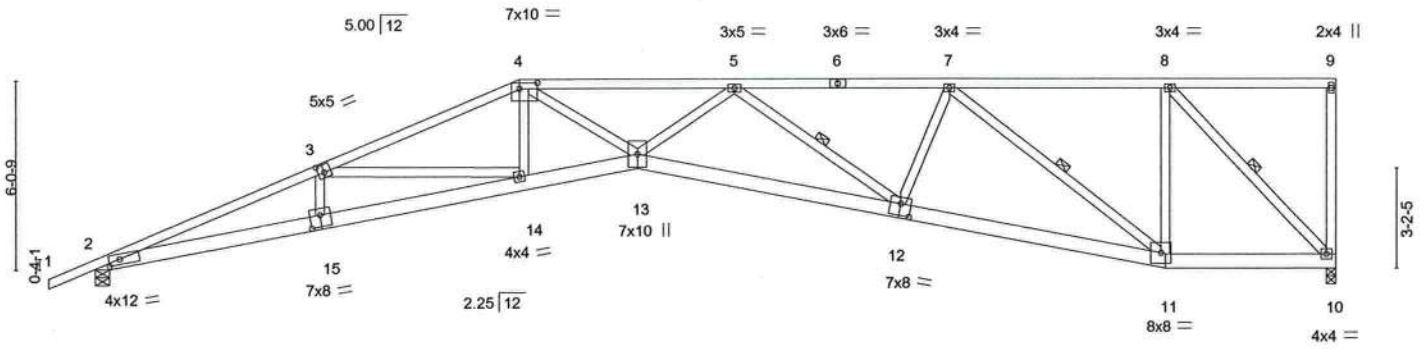
ENGINEERING BY TRENCO
A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A5	ROOF TRUSS	1	1	E5008814
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:46 2008 Page 1

-1-6-0	7-3-4	13-8-8	20-7-13	27-7-3	34-6-8	40-0-0
1-6-0	7-3-4	6-5-4	6-11-5	6-11-5	6-11-5	5-5-8

Scale = 1:74.1



7-3-4	13-8-8	17-6-0	26-0-4	34-6-8	40-0-0
7-3-4	6-5-4	3-9-8	8-6-4	8-6-4	5-5-8

Plate Offsets (X,Y): [2:0-4-4,0-2-0], [3:0-2-8,0-3-0], [4:0-7-0,0-2-4], [12:0-4-0,0-4-8], [15:0-4-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.81	Vert(LL)	-0.51	13	>928	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.94	Vert(TL)	-1.29	12-13	>368	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.90	Horz(TL)	0.61	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 241 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
WEBS 1 Row at midpt 5-12, 7-11, 8-10

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

REACTIONS (lb/size) 10=1583/0-3-8, 2=1691/0-5-8
Max Horz 2=215(LC 5)
Max Uplift10=-230(LC 4), 2=-197(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/36, 2-3=-5861/637, 3-4=-4948/640, 4-5=-6109/810, 5-6=-3533/481, 6-7=-3533/481, 7-8=-1334/190, 8-9=-20/5, 9-10=-132/47
BOT CHORD 2-15=-689/5407, 14-15=-693/5419, 13-14=-623/4594, 12-13=-768/5196, 11-12=-472/3192, 10-11=-190/1334
WEBS 3-15=0/237, 3-14=-807/211, 4-14=-27/435, 4-13=-236/1894, 5-13=-82/1282, 5-12=-1972/335, 7-12=-67/1113, 7-11=-2306/343, 8-11=-53/1011, 8-10=-1922/271

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
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) Bearing at joint(s) 2 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 230 lb uplift at joint 10 and 197 lb uplift at joint 2.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

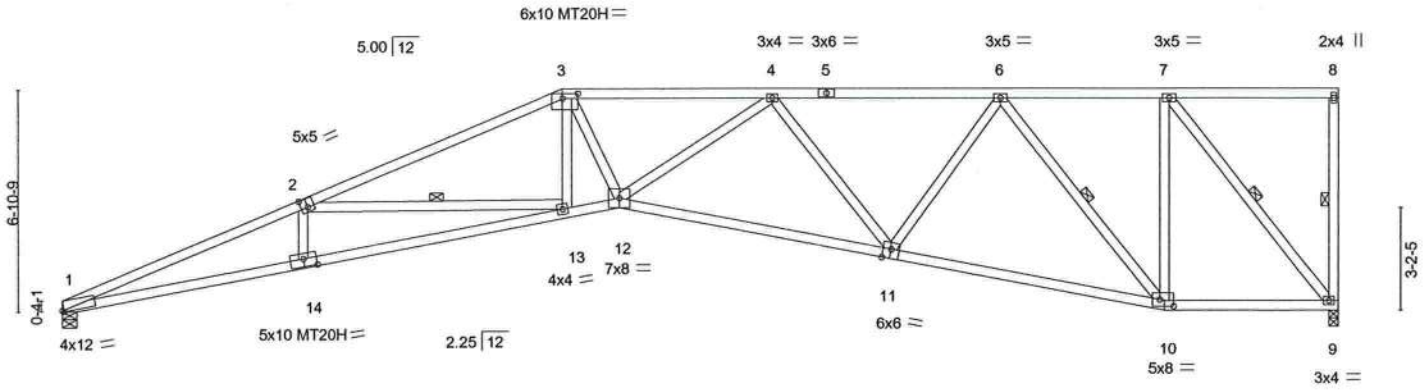
August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A6	ROOF TRUSS	1	1	E5008815
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:47 2008 Page 1

7-6-12	15-8-8	22-3-7	29-5-1	34-6-8	40-0-0
7-6-12	8-1-12	6-6-15	7-1-10	5-1-7	5-5-8

Scale = 1:72.0



7-6-12	15-8-8	17-6-0	26-0-4	34-6-8	40-0-0
7-6-12	8-1-12	1-9-8	8-6-4	8-6-4	5-5-8

Plate Offsets (X,Y): [1:0-0-11,Edge], [2:0-2-8,0-3-4], [3:0-6-0,0-1-12], [10:0-5-4,0-2-8], [11:0-3-0,Edge], [14:0-5-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.98	Vert(LL)	-0.44	13-14	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.98	Vert(TL)	-1.20	13-14	>398	180	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.93	Horz(TL)	0.59	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 215 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D *Except*
1-2: 2 X 4 SYP 2400F 2.0E
BOT CHORD 2 X 4 SYP No.2D *Except*
1-14: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

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

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

REACTIONS (lb/size) 9=1585/0-3-8, 1=1585/0-5-8
Max Horz 1=213(LC 5)
Max Uplift9=-228(LC 4), 1=-135(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5844/598, 2-3=-4540/562, 3-4=-4573/596, 4-5=-2857/375, 5-6=-2857/375, 6-7=-1140/158, 7-8=-19/4, 8-9=-148/53
BOT CHORD 1-14=-703/5385, 13-14=-707/5380, 12-13=-554/4188, 11-12=-543/3722, 10-11=-337/2243, 9-10=-158/1140
WEBS 2-14=0/331, 2-13=-1168/311, 3-13=-26/424, 3-12=-111/968, 4-12=-149/1138, 4-11=-1319/252, 6-11=-91/1180, 6-10=-1709/270, 7-10=-75/1079, 7-9=-1787/245

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 228 lb uplift at joint 9 and 135 lb uplift at joint 1.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

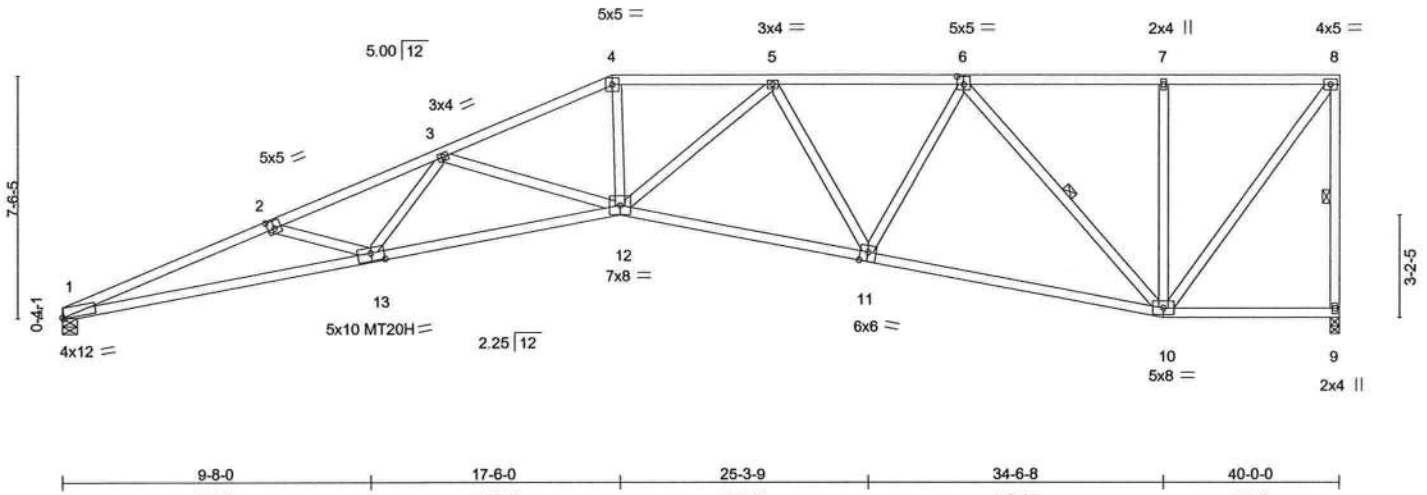
August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A7	ROOF TRUSS	1	1	E5008816
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:48 2008 Page 1

6-8-0	11-11-8	17-3-1	22-3-12	28-3-7	34-6-8	40-0-0
6-8-0	5-3-8	5-3-8	5-0-11	5-11-10	6-3-1	5-5-8

Scale = 1:72.0



9-8-0	17-6-0	25-3-9	34-6-8	40-0-0
9-8-0	7-10-0	7-9-9	9-2-15	5-5-8

Plate Offsets (X,Y): [1:0-0-11,Edge], [2:0-2-8,0-3-0], [6:0-2-8,0-3-0], [11:0-3-0,Edge], [13:0-5-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.75	Vert(LL)	-0.42	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.86	Vert(TL)	-1.09	12-13	>436	180	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.75	Horz(TL)	0.54	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 221 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
1-13: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-3-0 oc bracing.
WEBS 1 Row at midpt 8-9, 6-10

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

REACTIONS (lb/size) 9=1585/0-3-8, 1=1585/0-5-8
Max Horz 1=233(LC 5)
Max Uplift9=-226(LC 4), 1=-142(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5738/669, 2-3=-5357/540, 3-4=-4171/513, 4-5=-3871/497, 5-6=-2663/346, 6-7=-1048/143, 7-8=-1048/143, 8-9=-1545/239
BOT CHORD 1-13=-808/5305, 12-13=-605/4699, 11-12=-453/3225, 10-11=-327/2218, 9-10=-3/14
WEBS 2-13=-325/202, 3-13=-20/563, 3-12=-855/229, 4-12=-103/1270, 5-12=-160/932, 5-11=-1042/194, 6-11=-67/1040, 6-10=-1704/260, 7-10=-369/137, 8-10=-236/1747

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 226 lb uplift at joint 9 and 142 lb uplift at joint 1.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

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

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A8	ROOF TRUSS	1	1	E5008817

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:49 2008 Page 1

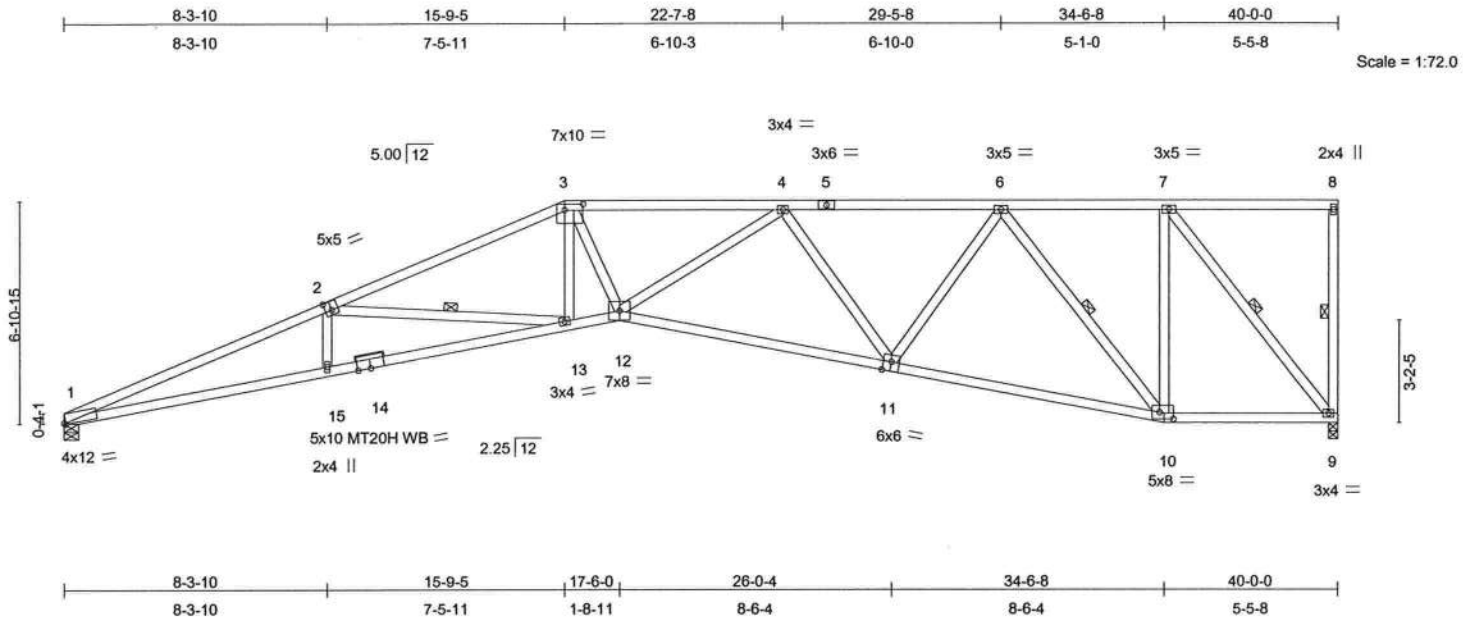


Plate Offsets (X,Y): [1:0-0-11,Edge], [2:0-2-8,0-3-4], [3:0-7-0,0-2-4], [10:0-5-4,0-2-8], [11:0-3-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.83	Vert(LL)	-0.43	13	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.93	Vert(TL)	-1.13	13-15	>420	180	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.85	Horz(TL)	0.58	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 215 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2D *Except*
1-2: 2 X 4 SYP 2400F 2.0E
BOT CHORD 2 X 4 SYP No.2D *Except*
1-14: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING

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

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

REACTIONS (lb/size) 9=1585/0-3-8, 1=1585/0-5-8
Max Horz 1=214(LC 5)
Max Uplift9=-228(LC 4), 1=-135(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5776/594, 2-3=-4501/562, 3-4=-4527/587, 4-5=-2846/375, 5-6=-2846/375, 6-7=-1136/158, 7-8=-18/4, 8-9=-147/53
BOT CHORD 1-15=-683/5319, 14-15=-687/5280, 13-14=-679/5306, 12-13=-551/4161, 11-12=-530/3635, 10-11=-332/2220, 9-10=-158/1136
WEBS 2-15=0/342, 2-13=-1132/296, 3-13=-45/406, 3-12=-100/972, 4-12=-149/1164, 4-11=-1277/248, 6-11=-97/1197, 6-10=-1690/266, 7-10=-73/1074, 7-9=-1786/245

NOTES

1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) Provide adequate drainage to prevent water ponding.
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 228 lb uplift at joint 9 and 135 lb uplift at joint 1.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

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

Job	Truss	Truss Type	Qty	Ply	
CUNRES	A9	ROOF TRUSS	1	1	E5008818
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:49 2008 Page 1

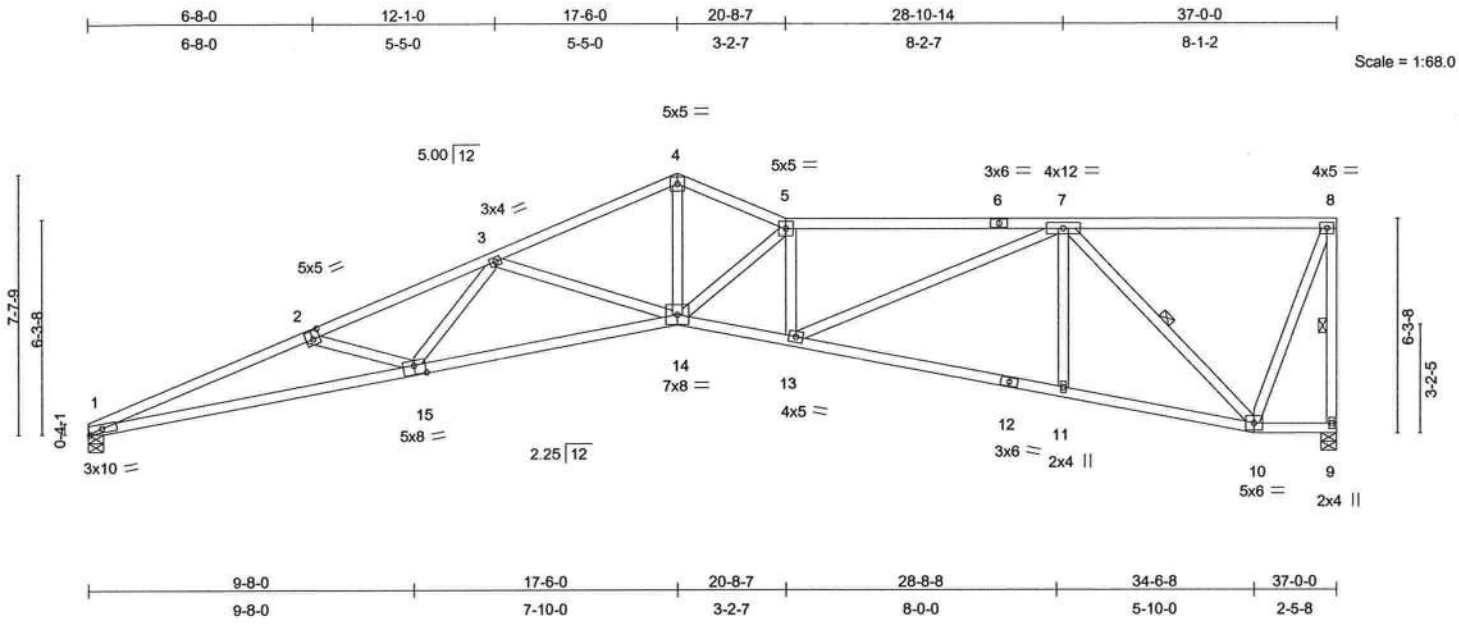


Plate Offsets (X,Y): [1:0-4-12,Edge], [2:0-2-8,0-3-0], [15:0-4-0,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.73	Vert(LL)	-0.41	14-15	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.81	Vert(TL)	-1.08	14-15	>405	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.80	Horz(TL)	0.54	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 198 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
1-15: 2 X 4 SYP 2400F 2.0E
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-3-6 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-7-12 oc bracing.
WEBS 1 Row at midpt 8-9, 7-10

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

REACTIONS (lb/size) 9=1465/0-5-8, 1=1465/0-5-8
Max Horz 1=210(LC 5)
Max Uplift9=-186(LC 4), 1=-142(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-5236/650, 2-3=-4839/519, 3-4=-3611/370, 4-5=-3590/383, 5-6=-3906/421, 6-7=-3906/421, 7-8=-503/53, 8-9=-1403/179
BOT CHORD 1-15=-767/4839, 14-15=-559/4184, 13-14=-440/4028, 12-13=-245/1992, 11-12=-252/1965, 10-11=-249/1993, 9-10=-14/43
WEBS 2-15=-383/205, 3-15=-18/602, 3-14=-892/229, 4-14=-243/2490, 5-14=-921/156, 5-13=-1106/187, 7-13=-221/2132, 7-11=0/313, 7-10=-2106/273, 8-10=-109/1278

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Bearing at joint(s) 1 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 186 lb uplift at joint 9 and 142 lb uplift at joint 1.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

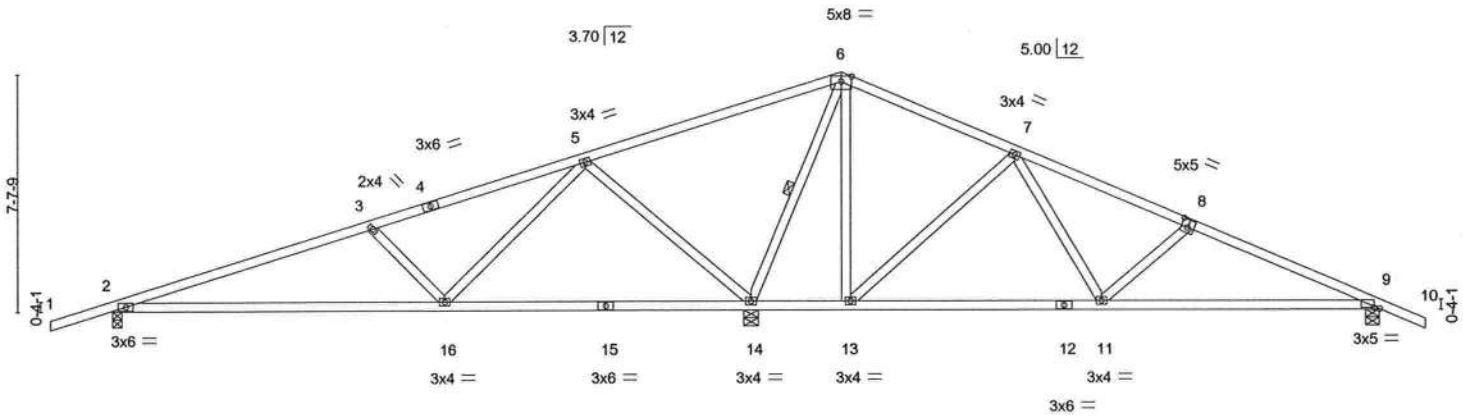
Job	Truss	Truss Type	Qty	Ply	
CUNRES	B	ROOF TRUSS	2	1	E5008819

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:50 2008 Page 1

-2-0-5	8-5-7	15-4-2	23-8-0	29-3-6	34-10-13	41-2-0	42-8-0
2-0-5	8-5-7	6-10-11	8-3-14	5-7-6	5-7-6	6-3-3	1-6-0

Scale = 1:74.5



10-9-7	20-8-12	23-8-0	32-1-2	41-2-0
10-9-7	9-11-5	2-11-4	8-5-2	9-0-14

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	0.34	2-16	>716	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.62	2-16	>401	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.94	Horz(TL)	0.02	9	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 203 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-10-15 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-14

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

REACTIONS (lb/size) 2=653/0-3-8, 14=2241/0-5-8, 9=603/0-5-8
Max Horz 2=-108(LC 6)
Max Uplift2=-366(LC 5), 14=-650(LC 3), 9=-111(LC 6)
Max Grav 2=703(LC 7), 14=2241(LC 1), 9=700(LC 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-938/430, 3-4=-571/340, 4-5=-459/359, 5-6=-284/1113, 6-7=-193/517, 7-8=-675/49, 8-9=-971/37, 9-10=0/34
BOT CHORD 2-16=-438/829, 15-16=-309/158, 14-15=-309/158, 13-14=-419/309, 12-13=-204/309, 11-12=-204/309, 9-11=0/831
WEBS 3-16=-506/212, 5-16=-452/839, 5-14=-999/475, 6-14=-1553/255, 6-13=-15/541, 7-13=-686/171, 7-11=-19/562, 8-11=-384/157

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; porch left exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 366 lb uplift at joint 2, 650 lb uplift at joint 14 and 111 lb uplift at joint 9.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	B1	ROOF TRUSS	1	1	E5008820
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:51 2008 Page 1

-2-0-5	8-5-7	16-0-11	23-8-0	28-9-15	31-11-0	35-6-0	41-2-0	42-8-0
2-0-5	8-5-7	7-7-5	7-7-5	5-1-15	3-1-1	3-7-0	5-8-0	1-6-0

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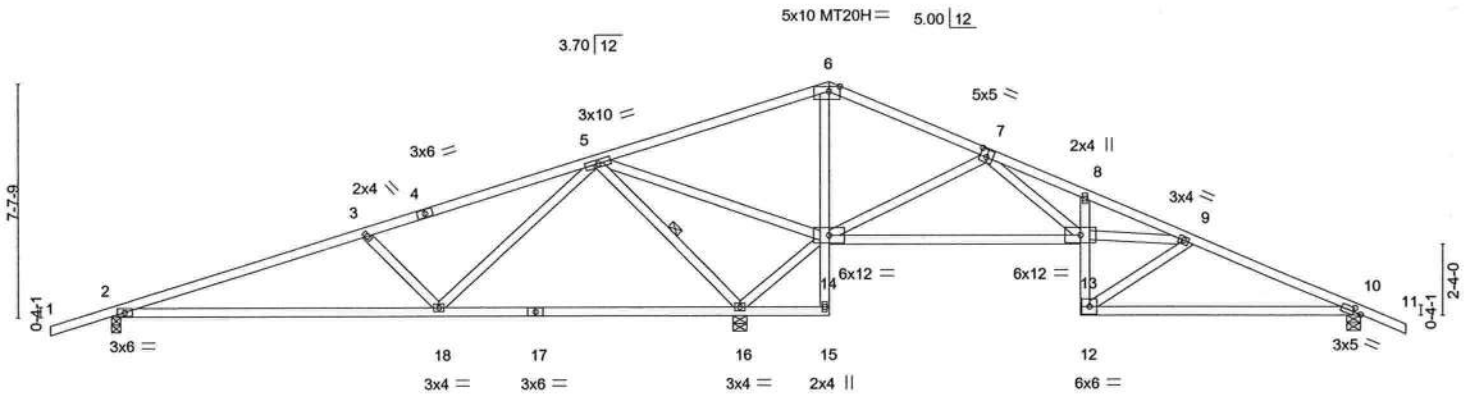


10-9-7	20-8-12	23-8-0	31-11-0	41-2-0
10-9-7	9-11-5	2-11-4	8-3-0	9-3-0

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.51	Vert(LL)	0.35	2-18	>711	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.88	Vert(TL)	-0.62	2-18	>401	180	MT20H	187/143
BCLL	0.0	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.04	10	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 215 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D *Except*
6-15,8-12: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-9-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except:
10-0-0 oc bracing: 12-13,10-12.
WEBS 1 Row at midpt 5-16

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

REACTIONS (lb/size) 2=590/0-3-8, 10=539/0-5-8, 16=2368/0-5-8
Max Horz 2=-108(LC 6)
Max Uplift2=-416(LC 5), 10=-137(LC 6), 16=-558(LC 3)
Max Grav 2=714(LC 7), 10=594(LC 8), 16=2368(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-982/599, 3-4=-602/504, 4-5=-481/524, 5-6=-167/977, 6-7=-171/985, 7-8=-870/34, 8-9=-815/123, 9-10=-730/107, 10-11=0/34
BOT CHORD 2-18=-599/873, 17-18=-679/102, 16-17=-679/102, 15-16=-114/2, 14-15=-70/54, 6-14=-1029/236, 13-14=-367/274, 12-13=0/448, 8-13=-174/55, 10-12=-15/617
WEBS 3-18=-538/223, 5-18=-483/905, 5-16=-1380/393, 14-16=-1849/320, 5-14=0/658, 7-14=-777/149, 7-13=0/1034, 9-13=-159/622, 9-12=-645/50

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; porch left exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) All plates are MT20 plates unless otherwise indicated.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 416 lb uplift at joint 2, 137 lb uplift at joint 10 and 558 lb uplift at joint 16.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	B2	ROOF TRUSS	1	1	E5008821
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:52 2008 Page 1

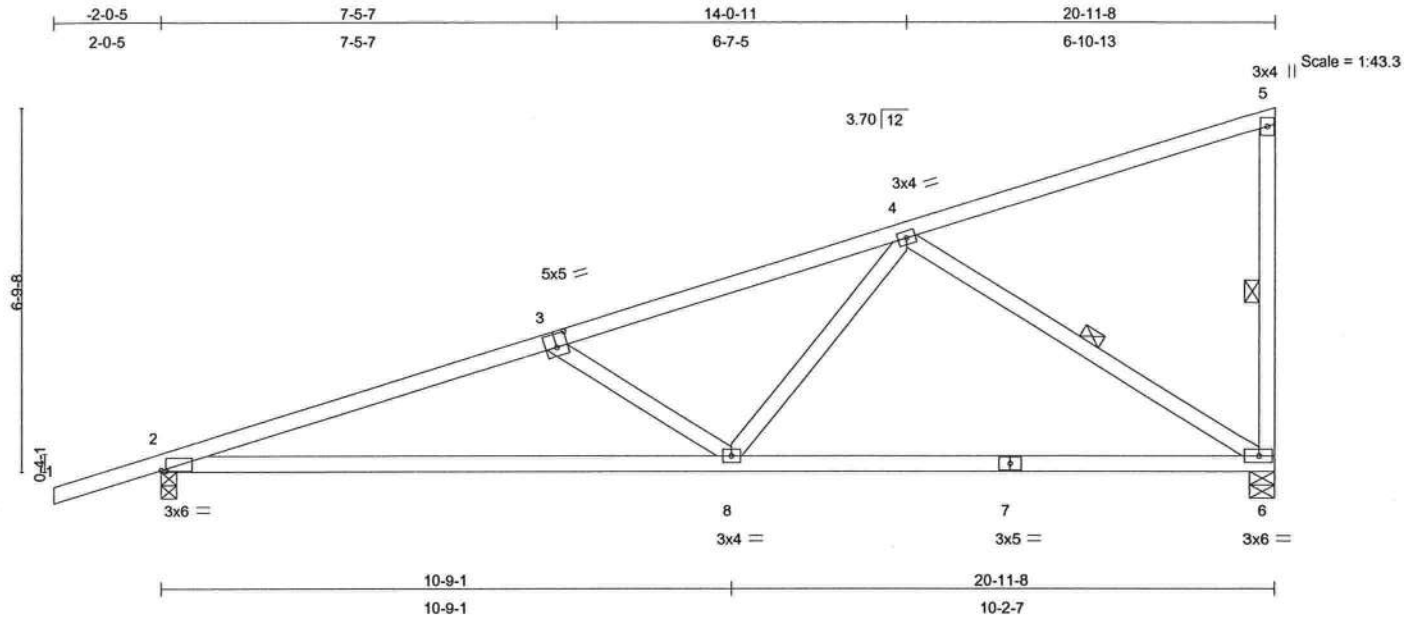


Plate Offsets (X,Y): [2:0-1-1,0-0-3], [3:0-2-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.69	Vert(LL)	0.33	2-8	>752	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.71	Vert(TL)	-0.60	2-8	>413	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.34	Horz(TL)	0.05	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 102 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-3-12 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-10-5 oc bracing.
WEBS 1 Row at midpt 5-6, 4-6

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

REACTIONS (lb/size) 6=820/0-5-8, 2=964/0-3-8
Max Horz 2=237(LC 3)
Max Uplift6=-411(LC 3), 2=-445(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1859/716, 3-4=-1410/600, 4-5=-105/14, 5-6=-177/74
BOT CHORD 2-8=-844/1714, 7-8=-439/892, 6-7=-439/892
WEBS 3-8=-516/221, 4-8=-372/727, 4-6=-1016/495

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 411 lb uplift at joint 6 and 445 lb uplift at joint 2.

LOAD CASE(S) Standard

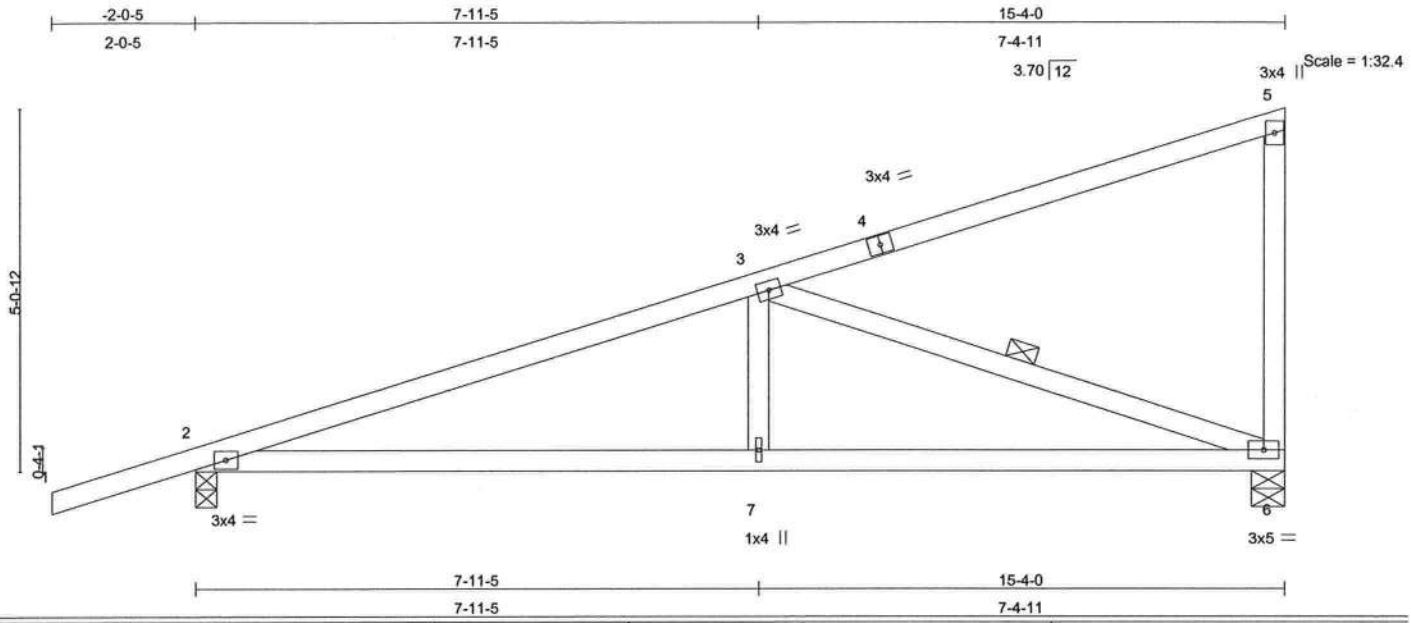
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	B3	ROOF TRUSS	1	1	E5008822

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:52 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.57	Vert(LL)	0.14	2-7	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.23	2-7	>775	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.32	Horz(TL)	0.03	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 71 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-6-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 8-10-1 oc bracing.
WEBS 1 Row at midpt 3-6

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

REACTIONS (lb/size) 6=592/0-5-8, 2=742/0-3-8
Max Horz 2=181(LC 3)
Max Uplift6=-296(LC 3), 2=-351(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1174/443, 3-4=-122/0, 4-5=-51/6, 5-6=-178/74
BOT CHORD 2-7=-525/1057, 6-7=-525/1057
WEBS 3-7=-130/338, 3-6=-1066/528

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 296 lb uplift at joint 6 and 351 lb uplift at joint 2.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	E5008823
CUNRES	BET	GABLE	1	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL., x — 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 11:00:10 2008 Page 1

-2-0-5	19-6-1	23-7-13	29-6-1	34-7-9	41-2-0	42-8-0
2-0-5	19-6-1	4-1-12	5-10-4	5-1-8	6-6-7	1-6-0

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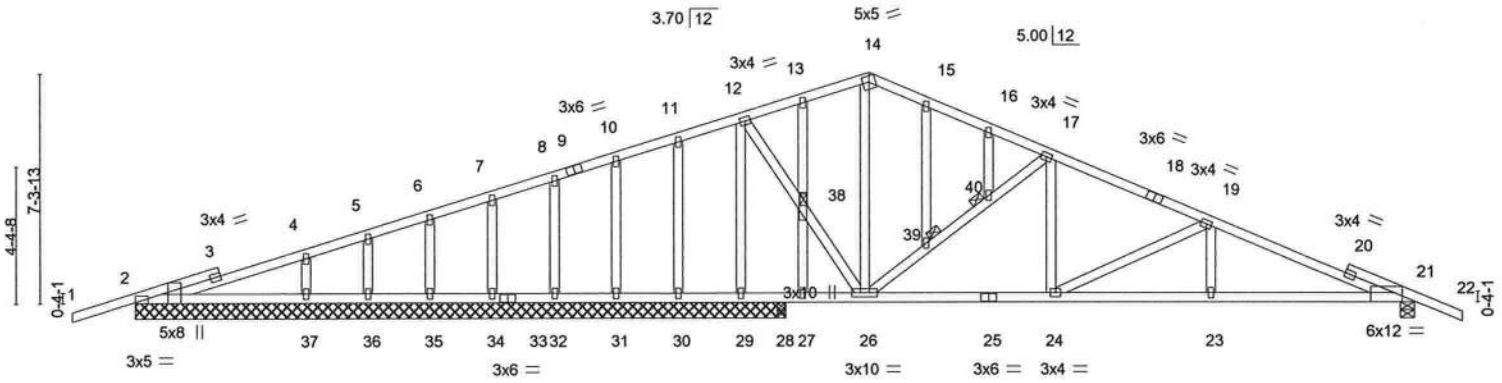


19-6-1	20-11-8	23-7-13	29-6-1	34-7-9	41-2-0
19-6-1	1-5-7	2-8-5	5-10-4	5-1-8	6-6-7

Plate Offsets (X,Y): [2:0-5-2,Edge], [2:0-3-8,Edge], [14:0-2-8,0-2-5], [21:0-3-2,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	0.07	21-23	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.18	21-23	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.56	Horz(TL)	-0.02	28	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 244 lb	

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

BRACING
USE MITEK MULTI-BRACE, lumber or other products for bracing per BCSI.
TOP CHORD Structural wood sheathing directly applied or 4-11-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing, Except: 10-0-0 oc bracing: 24-26,23-24,21-23.
JOINTS 1 Brace at Jt(s): 38, 39, 40

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

REACTIONS (lb/size) 2=217/20-11-8, 29=862/20-11-8, 37=353/20-11-8, 36=70/20-11-8, 35=183/20-11-8, 34=154/20-11-8, 32=166/20-11-8, 31=138/20-11-8, 30=219/20-11-8, 21=822/0-5-8, 28=318/0-3-8
Max Horz 2=133(LC 3)
Max Uplift 2=-150(LC 3), 29=-195(LC 6), 37=-96(LC 3), 36=-48(LC 5), 35=-64(LC 3), 34=-60(LC 3), 32=-62(LC 5), 31=-59(LC 3), 30=-67(LC 5), 21=-337(LC 6), 28=-84(LC 5)
Max Grav 2=270(LC 9), 29=862(LC 1), 37=374(LC 9), 36=70(LC 1), 35=185(LC 9), 34=154(LC 1), 32=166(LC 1), 31=147(LC 9), 30=219(LC 1), 21=822(LC 1), 28=318(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-207/479, 3-4=-198/532, 4-5=-150/495, 5-6=-128/511, 6-7=-96/507, 7-8=-67/508, 8-9=-37/475, 9-10=-34/507, 10-11=-7/512, 11-12=0/497, 12-13=-61/171, 13-14=-73/184, 14-15=-53/168, 15-16=-81/152, 16-17=-122/139, 17-18=-683/320, 18-19=-790/302, 19-20=-1384/459, 20-21=-1424/433, 21-22=0/34
BOT CHORD 2-37=-469/290, 36-37=-469/290, 35-36=-469/290, 34-35=-469/290, 33-34=-469/290, 32-33=-469/290, 31-32=-469/290, 30-31=-469/290, 29-30=-469/290, 28-29=-469/290, 27-28=-469/290, 26-27=-469/290, 25-26=-85/669, 24-25=-85/669, 23-24=-323/1277, 21-23=-323/1277
WEBS 12-29=-954/249, 12-38=-206/900, 26-38=-215/930, 14-26=-169/24, 26-39=-791/331, 39-40=-768/319, 17-40=-753/309, 17-24=-56/443, 19-24=-674/264, 19-23=0/244, 4-37=-265/143, 5-36=-64/56, 6-35=-135/87, 7-34=-116/80, 8-32=-124/81, 10-31=-111/80, 11-30=-157/82, 13-38=-151/61, 27-38=-186/64, 15-39=-37/20, 16-40=-25/16

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; porch left exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

Continued on page 2

MARVIN A. STRZYZEWSKI LICENSE No 43144 STATE OF FLORIDA PROFESSIONAL ENGINEER

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

NOTES

7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 150 lb uplift at joint 2, 195 lb uplift at joint 29, 96 lb uplift at joint 37, 48 lb uplift at joint 36, 64 lb uplift at joint 35, 60 lb uplift at joint 34, 62 lb uplift at joint 32, 59 lb uplift at joint 31, 67 lb uplift at joint 30, 337 lb uplift at joint 21 and 84 lb uplift at joint 28.
8) When using MiTek Multi-Brace, attach per Multi-Brace Installation Guide with 2-10d (0.131" X 3") nails. Cross bracing required per BCSI.

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	
CUNRES	C	ROOF TRUSS	1	1	E5008824

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:54 2008 Page 1

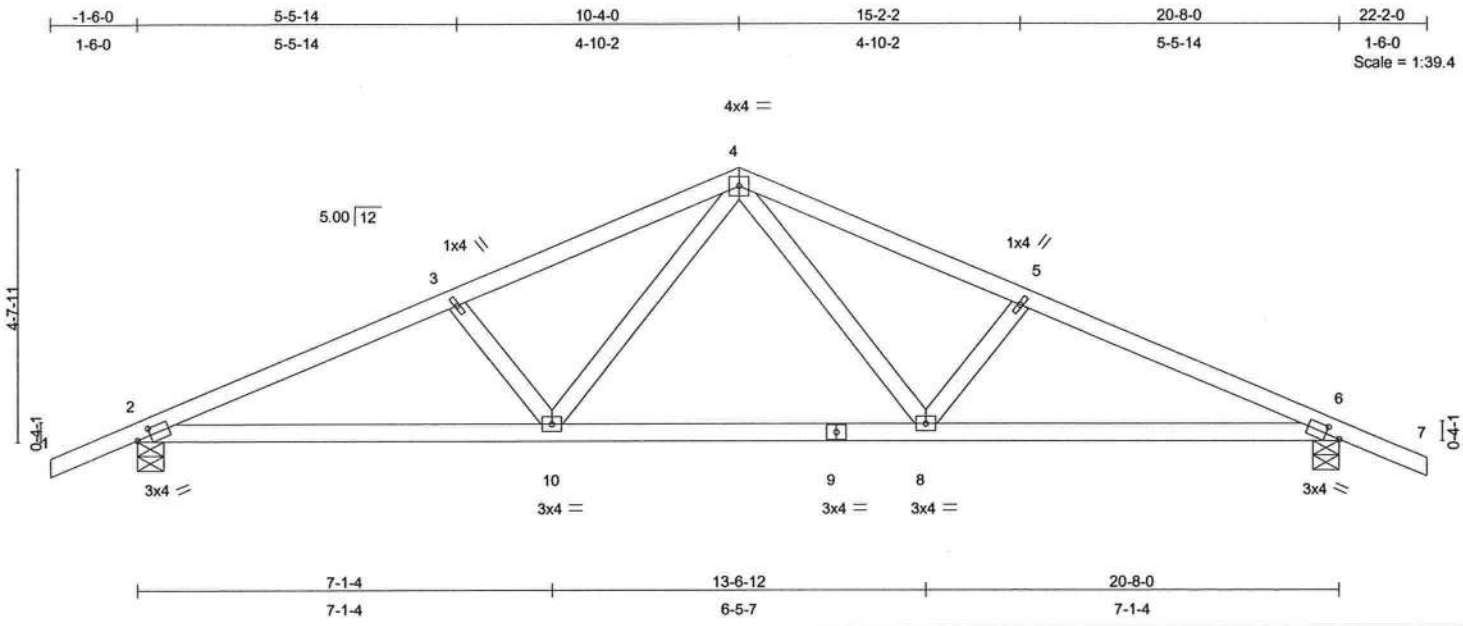


Plate Offsets (X,Y): [2:0-3-0,0-1-8], [6:0-3-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.16	Vert(LL)	-0.05	6-8	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.37	Vert(TL)	-0.16	6-8	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.15	Horz(TL)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 92 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-14 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=912/0-5-8, 6=912/0-5-8
Max Horz 2=73(LC 5)
Max Uplift2=-160(LC 5), 6=-160(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1550/154, 3-4=-1362/143, 4-5=-1362/144, 5-6=-1550/154, 6-7=0/34
BOT CHORD 2-10=-135/1365, 9-10=-38/941, 8-9=-38/941, 6-8=-63/1365
WEBS 3-10=-286/126, 4-10=-37/460, 4-8=-37/460, 5-8=-286/126

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 160 lb uplift at joint 2 and 160 lb uplift at joint 6.

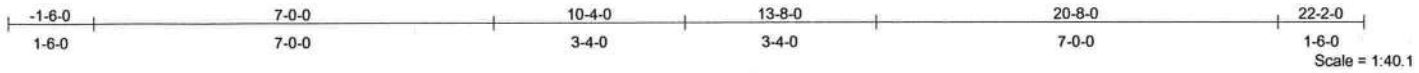
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	E5008825
CUNRES	C1	ROOF TRUSS	1	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:55 2008 Page 1



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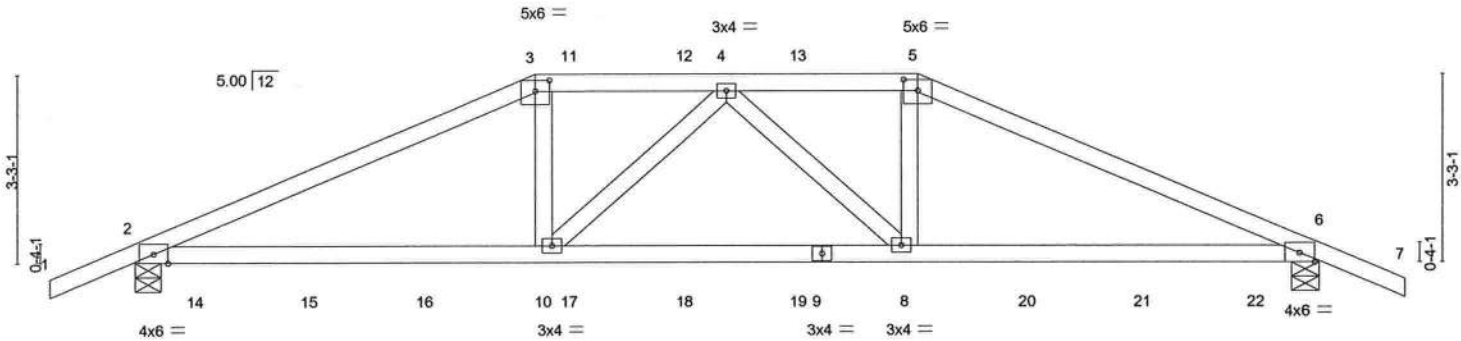


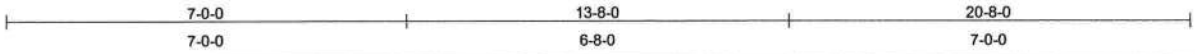


Plate Offsets (X,Y): [3:0-3-0,0-2-4], [5:0-3-0,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.49	Vert(LL)	-0.13	6-8	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.83	Vert(TL)	-0.38	6-8	>630	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.21	Horz(TL)	0.10	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 88 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-3-2 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-10-12 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=1661/0-5-8, 6=1624/0-5-8
Max Horz 2=57(LC 5)
Max Uplift2=-408(LC 5), 6=-393(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-3150/750, 3-11=-2845/719, 11-12=-2845/719, 4-12=-2844/719, 4-13=-2758/683, 5-13=-2759/683, 5-6=-3054/709, 6-7=0/34
BOT CHORD 2-14=-652/2822, 14-15=-652/2822, 15-16=-652/2822, 10-16=-652/2822, 10-17=-681/2944, 17-18=-681/2944, 18-19=-681/2944, 9-19=-681/2944, 8-9=-681/2944, 8-20=-575/2734, 20-21=-575/2734, 21-22=-575/2734, 6-22=-575/2734
WEBS 3-10=0/665, 4-10=-269/103, 4-8=-386/144, 5-8=-32/663

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 408 lb uplift at joint 2 and 393 lb uplift at joint 6.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 257 lb down and 152 lb up at 7-0-0, 125 lb down and 73 lb up at 7-7-4, 125 lb down and 73 lb up at 9-7-4, and 125 lb down and 73 lb up at 11-7-4, and 257 lb down and 152 lb up at 13-8-0 on top chord, and 98 lb down at 1-0-12, 107 lb down at 3-0-12, 94 lb down at 5-0-12, 94 lb down at 7-0-12, 94 lb down at 7-7-4, 94 lb down at 9-7-4, 94 lb down at 11-7-4, 94 lb down at 13-7-4, 94 lb down at 15-7-4, and 107 lb down at 17-7-4, and 98 lb down at 19-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Continued on page 2

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-3=-60, 3-5=-60, 5-7=-60, 2-6=-20

Concentrated Loads (lb)

Vert: 3=-257(B) 5=-257(B) 10=-47(B) 8=-47(B) 11=-125(B) 12=-125(B) 13=-125(B) 14=-49(B) 15=-72(B) 16=-47(B) 17=-47(B) 18=-47(B) 19=-47(B) 20=-47(B) 21=-72(B) 22=-49(B)

Job	Truss	Truss Type	Qty	Ply	
CUNRES	C2	ROOF TRUSS	1	1	E5008826
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:56 2008 Page 1

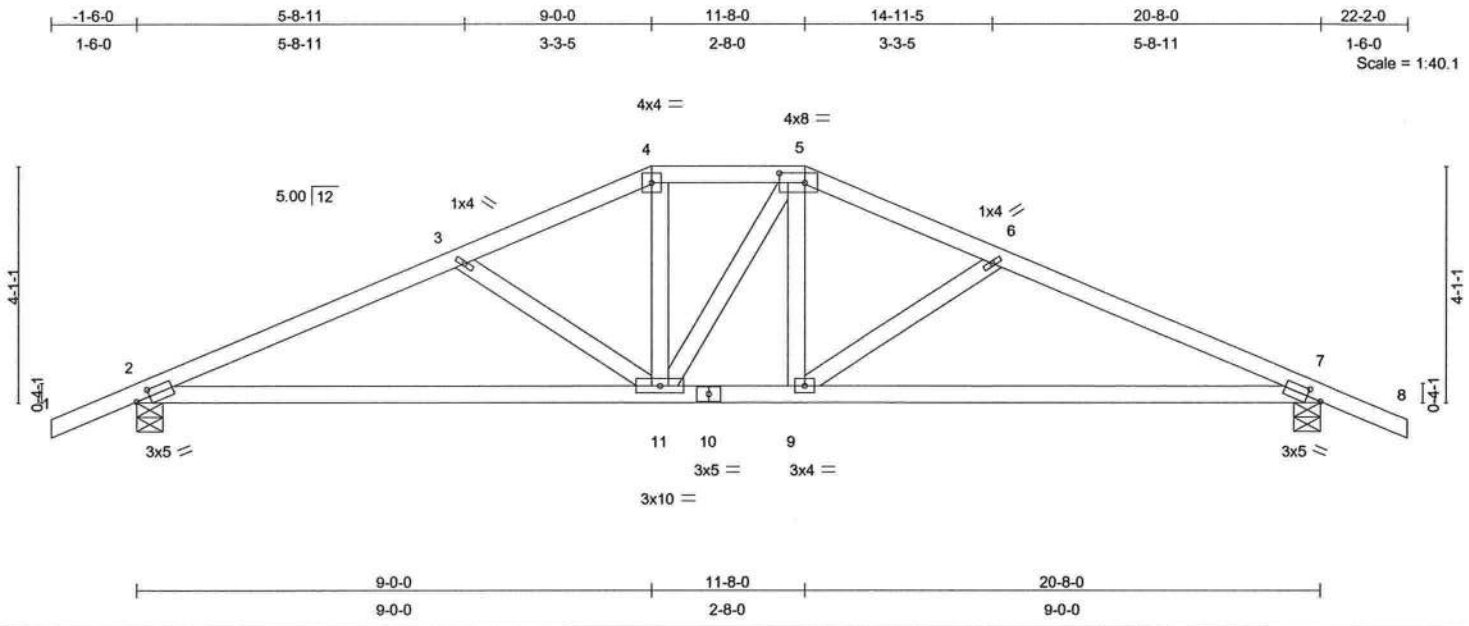


Plate Offsets (X,Y): [2:0-3-0,0-1-8], [5:0-5-4,0-2-0], [7:0-3-0,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.14	7-9	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.37	7-9	>655	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.11	Horz(TL)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 97 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-1-3 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=912/0-5-8, 7=912/0-5-8
Max Horz 2=-67(LC 6)
Max Uplift2=-153(LC 5), 7=-153(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-1490/146, 3-4=-1203/99, 4-5=-1074/101, 5-6=-1201/99, 6-7=-1490/147, 7-8=0/34
BOT CHORD 2-11=-117/1322, 10-11=-0/1072, 9-10=-0/1072, 7-9=-66/1322
WEBS 3-11=-316/123, 4-11=-3/310, 5-11=-94/99, 5-9=-8/312, 6-9=-318/123

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Provide adequate drainage to prevent water ponding.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 153 lb uplift at joint 2 and 153 lb uplift at joint 7.

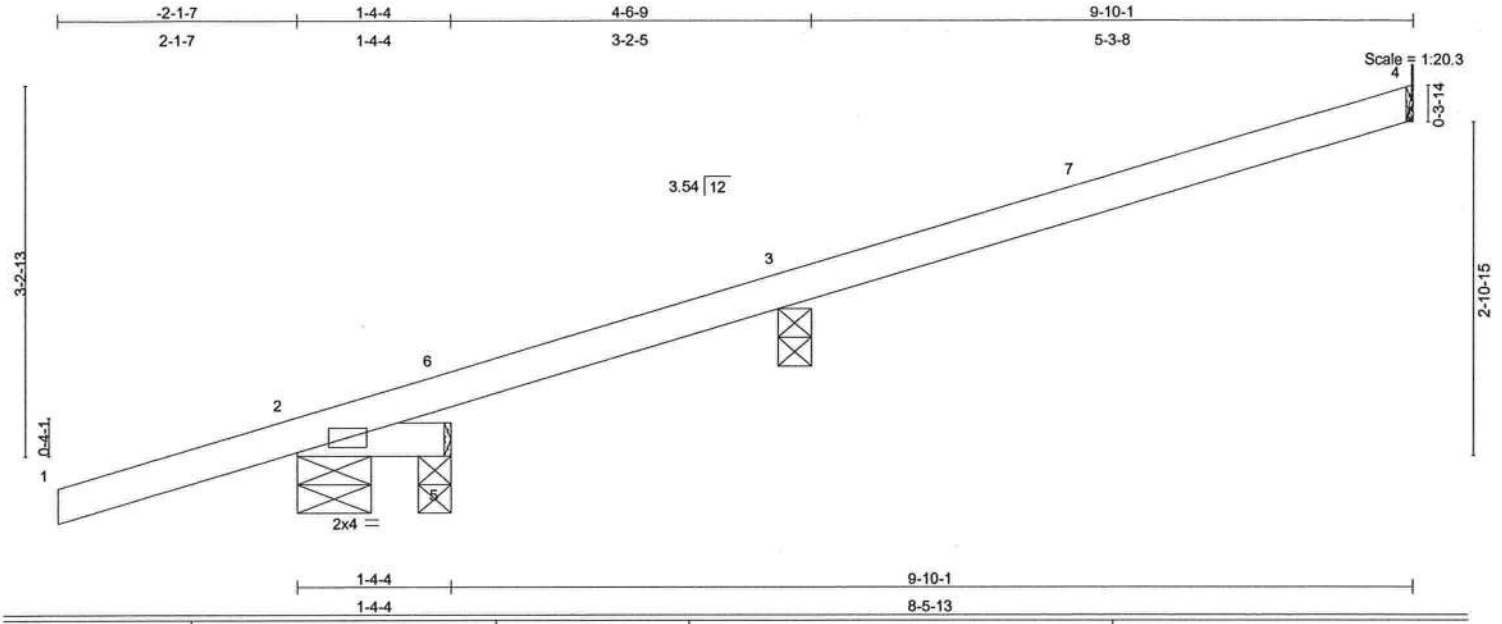
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	E5008827
CUNRES	CJ01	ROOF TRUSS	4	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:57 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.00	Horz(TL)	-0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 21 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-4-4 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) 4=192/Mechanical, 2=252/0-7-12, 5=22/0-3-8, 3=720/0-3-8
Max Horz 2=124(LC 3)
Max Uplift4=-89(LC 3), 2=-82(LC 3), 3=-253(LC 4)
Max Grav4=192(LC 1), 2=252(LC 1), 5=44(LC 2), 3=720(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-6=-90/0, 3-6=-73/45, 3-7=-80/2, 4-7=-33/45
BOT CHORD 2-5=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 89 lb uplift at joint 4, 82 lb uplift at joint 2 and 253 lb uplift at joint 3.
5) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 3.
6) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 28 lb down and 31 lb up at 4-2-8, 257 lb down and 79 lb up at 4-2-8, 88 lb down and 59 lb up at 7-0-7, 63 lb down and 42 lb up at 7-0-7, and 22 lb down at 1-4-9, and 22 lb down at 1-4-9 on top chord, and 19 lb down at 1-3-14 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
7) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-4=-60, 2-5=-20
Concentrated Loads (lb)
Vert: 5=-9(F) 3=-284(F=-28, B=-257) 7=-151(F=-88, B=-63)

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

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

Job	Truss	Truss Type	Qty	Ply	
CUNRES	CJ09	ROOF TRUSS	1	1	E5008828
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL., x

7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 11:00:51 2008 Page 1

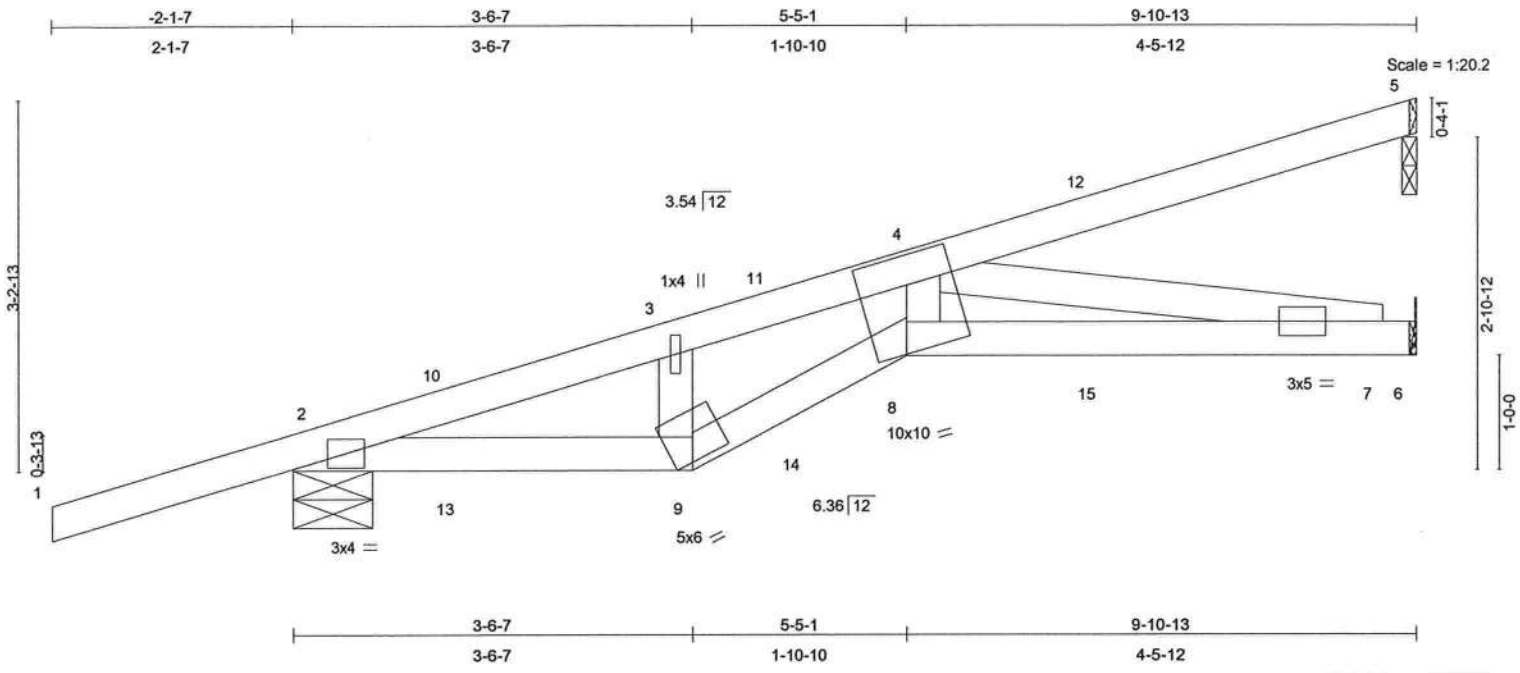


Plate Offsets (X,Y): [8:0-4-0,0-6-12], [9:0-3-0,0-2-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.71	Vert(LL)	-0.12	7-8	>938	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.76	Vert(TL)	-0.33	7-8	>343	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.34	Horz(TL)	0.12	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 42 lb	

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

BRACING
USE MITEK MULTI-BRACE, lumber or other products for bracing per BCSI.
TOP CHORD Structural wood sheathing directly applied or 5-8-3 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) 5=222/0-1-8, 2=575/0-8-8, 6=261/Mechanical
Max Horz 2=124(LC 3)
Max Uplift 5=-60(LC 3), 2=-109(LC 3), 6=-2(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/35, 2-10=-1194/14, 3-10=-1142/28, 3-11=-1171/32, 4-11=-1133/40, 4-12=-59/0, 5-12=-24/55
BOT CHORD 2-13=-75/1106, 9-13=-75/1106, 9-14=-68/1091, 8-14=-60/1092, 8-15=-82/1010, 7-15=-82/1010, 6-7=0/0
WEBS 3-9=-228/18, 4-8=0/336, 4-7=-1023/83

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 60 lb uplift at joint 5, 109 lb uplift at joint 2 and 2 lb uplift at joint 6.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 42 lb down at 4-3-4, 42 lb down at 4-3-4, 99 lb down and 24 lb up at 7-1-3, 99 lb down and 24 lb up at 7-1-3, and 22 lb down at 1-5-4, and 22 lb down at 1-5-4 on top chord, and 20 lb up at 1-5-4, 20 lb up at 1-5-4, 31 lb up at 4-3-4, 31 lb up at 4-3-4, and 17 lb up at 7-1-3, and 17 lb up at 7-1-3 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
8) When using MiTek Multi-Brace, attach per Multi-Brace Installation Guide with 2-10d (0.131" X 3") nails. Cross bracing required per BCSI.
9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25

Continued on page 2

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

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

LOAD CASE(S) Standard

Uniform Loads (plf)

Vert: 1-5=-60, 2-9=-20, 8-9=-20, 6-8=-20

Concentrated Loads (lb)

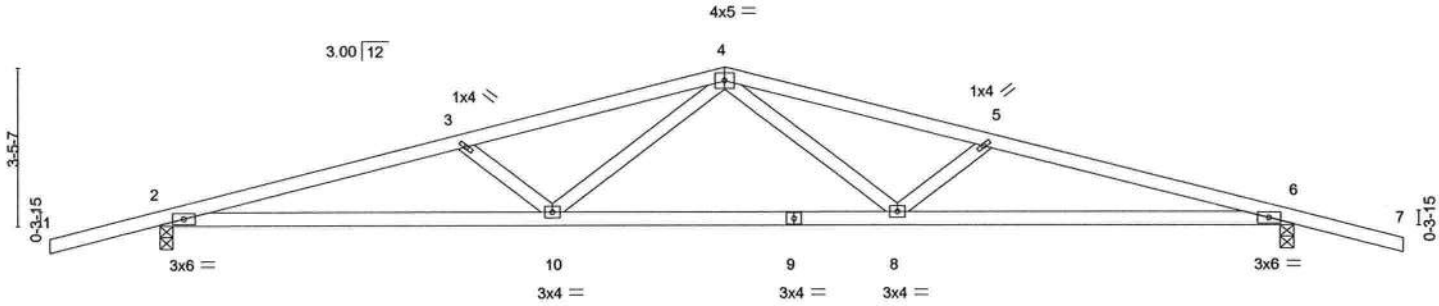
Vert: 11=-19(F=-10, B=-10) 12=-199(F=-99, B=-99) 13=20(F=10, B=10) 14=31(F=15, B=15) 15=17(F=9, B=9)

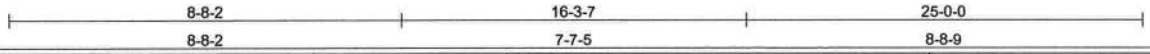
Job	Truss	Truss Type	Qty	Ply	
CUNRES	D	ROOF TRUSS	3	1	E5008829

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:58 2008 Page 1

Scale = 1:50.6





LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	0.28	6-8	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.58	Vert(TL)	-0.48	8-10	>622	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.22	Horz(TL)	0.10	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 105 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-6-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-8 oc bracing.

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

REACTIONS (lb/size) 2=1143/0-3-8, 6=1143/0-3-8
Max Horz 2=-59(LC 6)
Max Uplift2=-538(LC 3), 6=-538(LC 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-2885/1183, 3-4=-2542/1098, 4-5=-2541/1098, 5-6=-2882/1182, 6-7=0/34
BOT CHORD 2-10=-1130/2745, 9-10=-728/1908, 8-9=-728/1908, 6-8=-1080/2742
WEBS 3-10=-441/170, 4-10=-355/696, 4-8=-355/696, 5-8=-439/169

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 538 lb uplift at joint 2 and 538 lb uplift at joint 6.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	E5008830
CUNRES	DET	GABLE	1	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL., x — 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:44:49 2008 Page 1

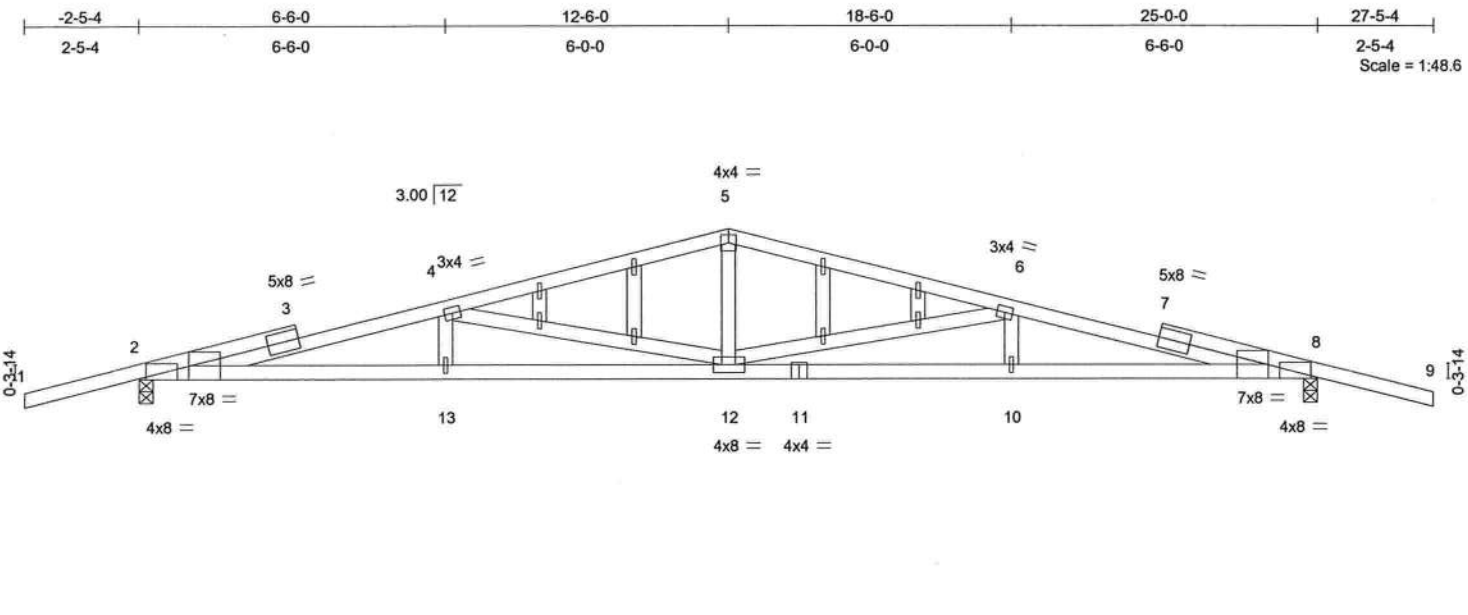


Plate Offsets (X,Y): [2:0-0-7,Edge], [2:0-3-5,Edge], [8:0-0-7,Edge], [8:0-3-5,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.79	Vert(LL)	0.46	12-13	>646	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.76	Vert(TL)	-0.70	10-12	>422	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.14	8	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 121 lb	

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

BRACING
USE MITEK MULTI-BRACE, lumber or other products for bracing per BCSI.
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 4-6-3 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=1143/0-3-8, 8=1143/0-3-8
Max Horz 2=71(LC 3)
Max Uplift 2=-733(LC 5), 8=-733(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-3545/2008, 3-4=-3510/2016, 4-5=-2276/1270, 5-6=-2276/1270, 6-7=-3510/2018, 7-8=-3545/2010, 8-9=0/34
BOT CHORD 2-13=-1962/3436, 12-13=-1962/3436, 11-12=-1901/3436, 10-11=-1901/3436, 8-10=-1901/3436
WEBS 4-13=-90/237, 4-12=-1302/839, 5-12=-439/730, 6-12=-1302/841, 6-10=-89/237

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; porch left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) All plates are 1x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 2-0-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 733 lb uplift at joint 2 and 733 lb uplift at joint 8.
8) When using MiTek Multi-Brace, attach per Multi-Brace Installation Guide with 2-10d (0.131" X 3") nails. Cross bracing required per BCSI.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	EET	ROOF TRUSS 3x4 =	2	1	E5008831

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:59 2008 Page 1

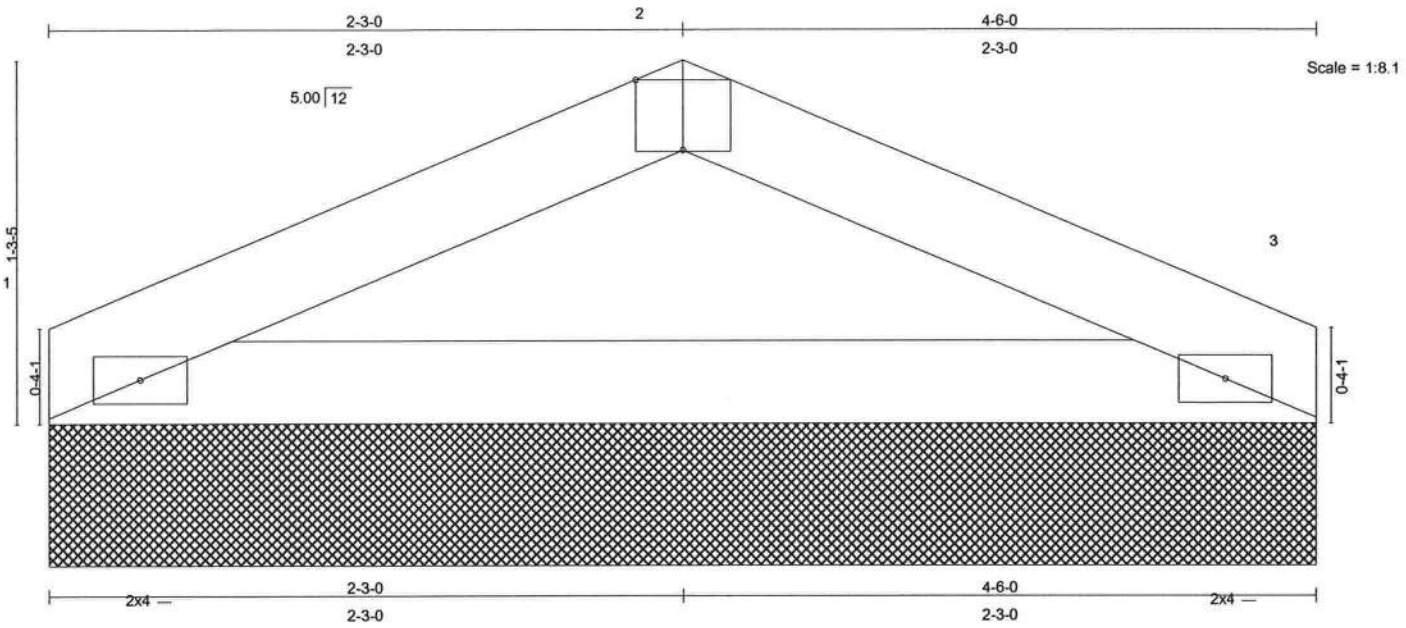


Plate Offsets (X,Y): [2:0-2-0,Edge]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.06	Vert(LL)	n/a	-	n/a	999	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.18	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 14 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-0 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=180/4-6-0, 3=180/4-6-0
Max Horz 1=11(LC 5)
Max Uplift1=-19(LC 5), 3=-19(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-192/53, 2-3=-192/53
BOT CHORD 1-3=-35/156

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) Gable requires continuous bottom chord bearing.
4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 1 and 19 lb uplift at joint 3.

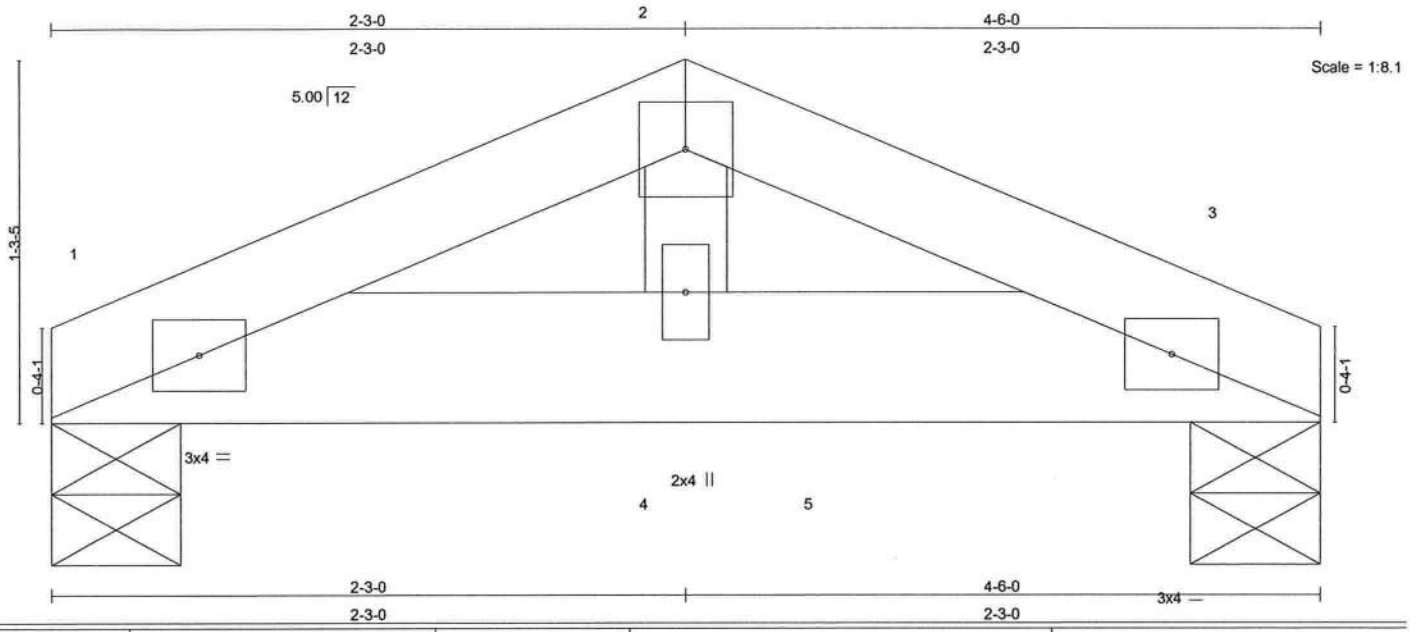
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	EGT	ROOF TRUSS 4x4 =	2	1	E5008832
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:06:59 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.06	Vert(LL)	-0.01	4	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.02	3-4	>999	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.21	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 19 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-6-0 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=838/0-5-8, 3=646/0-5-8
Max Horz 1=-10(LC 6)
Max Uplift1=-83(LC 5), 3=-85(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-979/124, 2-3=-979/124
BOT CHORD 1-4=-101/878, 4-5=-101/878, 3-5=-101/878
WEBS 2-4=-63/656

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 1 and 85 lb uplift at joint 3.
5) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 340 lb down and 19 lb up at 0-2-12, and 308 lb down and 42 lb up at 2-1-8, and 513 lb down and 73 lb up at 2-10-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
6) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-2=-60, 2-3=-60, 1-3=-20
Concentrated Loads (lb)
Vert: 1=-340(B) 4=-308(B) 5=-513(B)

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

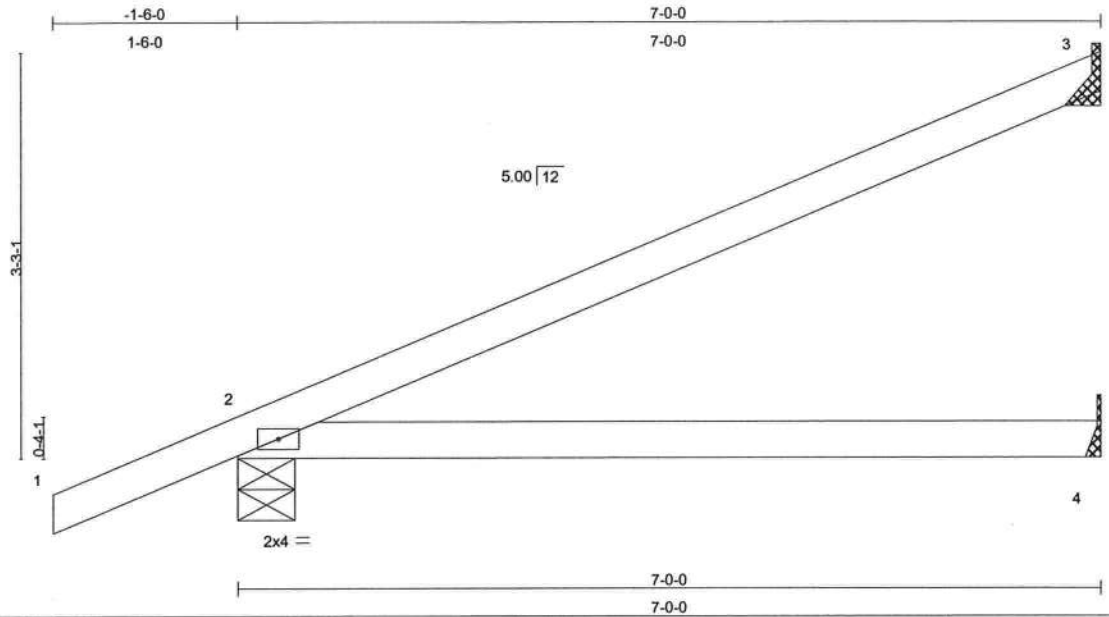
August 26,2008

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

Job	Truss	Truss Type	Qty	Ply	
CUNRES	EJ7	ROOF TRUSS	30	1	E5008833

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:07:00 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.46	Vert(LL)	-0.10	2-4	>805	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.25	2-4	>322	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 24 lb	

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

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

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

REACTIONS (lb/size) 3=185/Mechanical, 2=383/0-5-8, 4=67/Mechanical
Max Horz 2=123(LC 5)
Max Uplift 3=-83(LC 5), 2=-100(LC 5)
Max Grav 3=185(LC 1), 2=383(LC 1), 4=134(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-85/58
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 83 lb uplift at joint 3 and 100 lb uplift at joint 2.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	E5008834
CUNRES	EJ7A	ROOF TRUSS	4	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:07:00 2008 Page 1

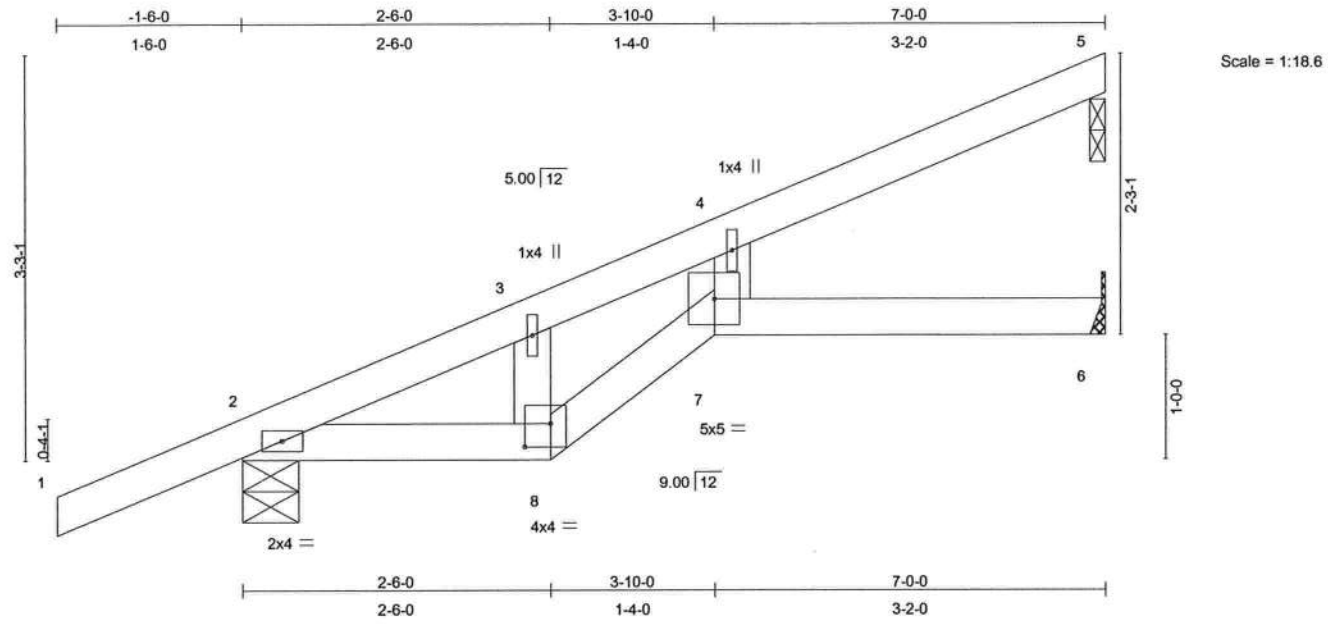


Plate Offsets (X,Y): [8:0-2-8,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.64	Vert(LL)	-0.16	7	>492	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.41	7	>198	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.02	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

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

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

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

REACTIONS (lb/size) 5=224/0-1-8, 2=385/0-5-8, 6=31/Mechanical
Max Horz 2=124(LC 5)
Max Uplift 5=-66(LC 5), 2=-101(LC 5)
Max Grav 5=224(LC 1), 2=385(LC 1), 6=62(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-118/0, 3-4=-58/0, 4-5=-36/79
BOT CHORD 2-8=0/15, 7-8=0/42, 6-7=-0/0
WEBS 3-8=0/56, 4-7=0/108

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 66 lb uplift at joint 5 and 101 lb uplift at joint 2.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5.

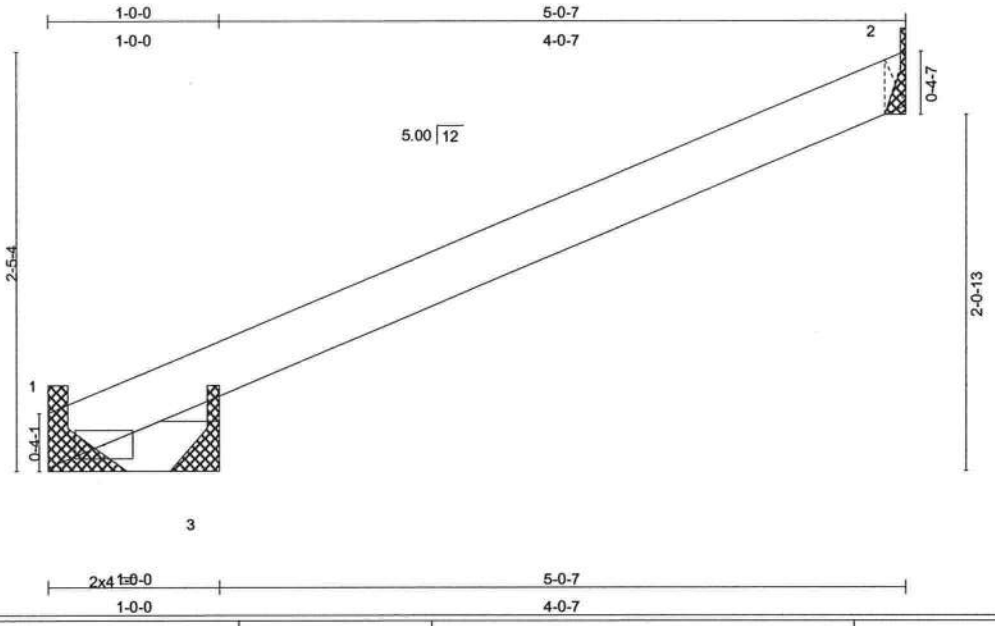
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	E5008835
CUNRES	J01	ROOF TRUSS	4	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:07:01 2008 Page 1



Scale = 1:13.5

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	-0.00	1	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	1	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 10 lb	

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

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

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

REACTIONS (lb/size) 1=157/Mechanical, 2=148/Mechanical, 3=9/Mechanical
Max Horz 1=68(LC 5)
Max Uplift1=-35(LC 5), 2=-69(LC 5)
Max Grav 1=157(LC 1), 2=148(LC 1), 3=19(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-46/46
BOT CHORD 1-3=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 1 and 69 lb uplift at joint 2.

LOAD CASE(S) Standard

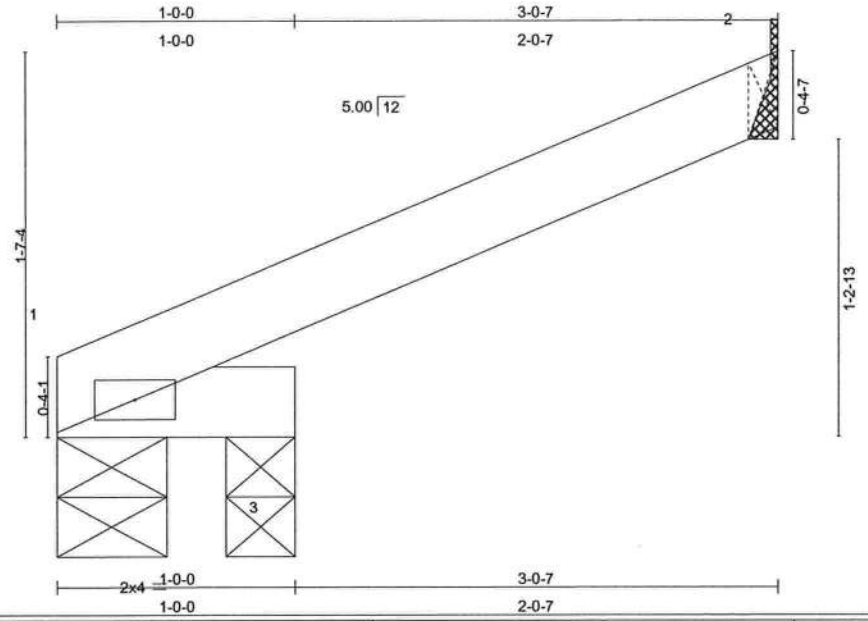
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

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

Job	Truss	Truss Type	Qty	Ply	E5008836
CUNRES	J01A	ROOF TRUSS	4	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:07:01 2008 Page 1



Scale = 1:9.7

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.10	Vert(LL)	-0.00	1	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	1	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 7 lb	

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

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

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

REACTIONS (lb/size) 1=97/0-5-8, 2=88/Mechanical, 3=9/0-3-8
Max Horz 1=41(LC 5)
Max Uplift1=-19(LC 5), 2=-41(LC 5)
Max Grav1=97(LC 1), 2=88(LC 1), 3=19(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-28/28
BOT CHORD 1-3=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 19 lb uplift at joint 1 and 41 lb uplift at joint 2.

LOAD CASE(S) Standard

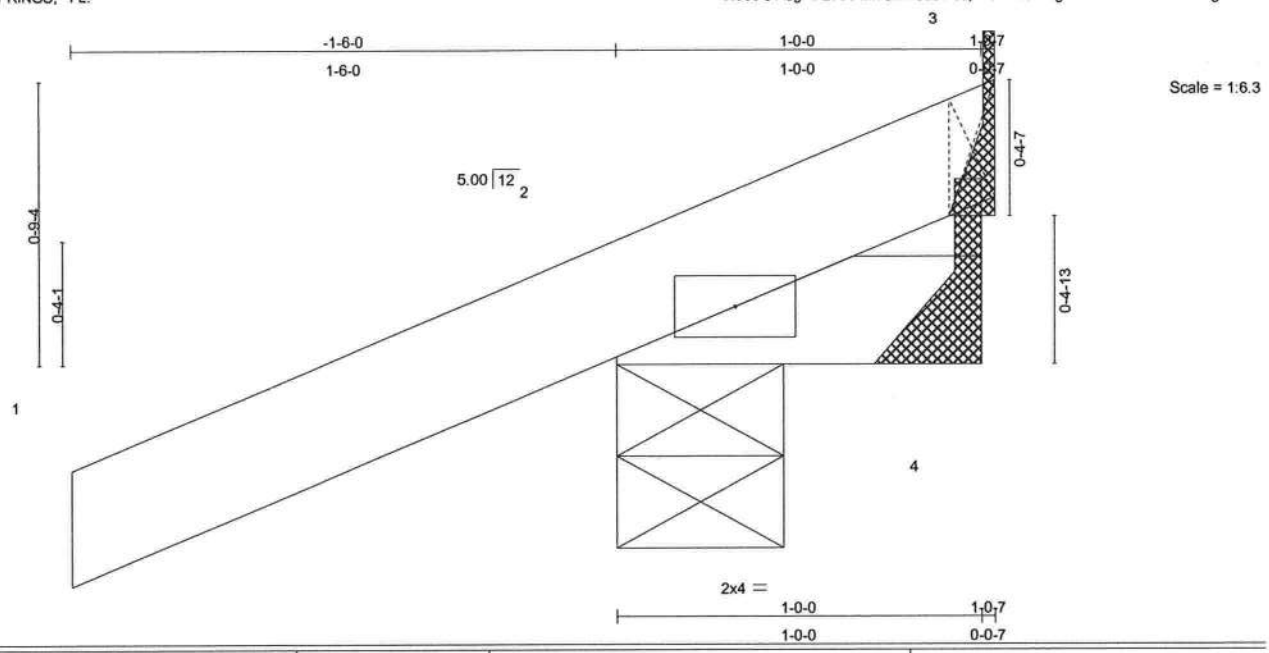
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

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

Job	Truss	Truss Type	Qty	Ply	E5008837
CUNRES	J01B	ROOF TRUSS	4	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:07:02 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>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 FBC2004/TPI2002		(Matrix)							Weight: 6 lb	

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

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

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

REACTIONS (lb/size) 2=205/0-5-8, 4=9/Mechanical, 3=-44/Mechanical
Max Horz 2=45(LC 5)
Max Uplift2=-124(LC 5), 3=-44(LC 1)
Max Grav 2=205(LC 1), 4=19(LC 2), 3=44(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-44/18
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 124 lb uplift at joint 2 and 44 lb uplift at joint 3.

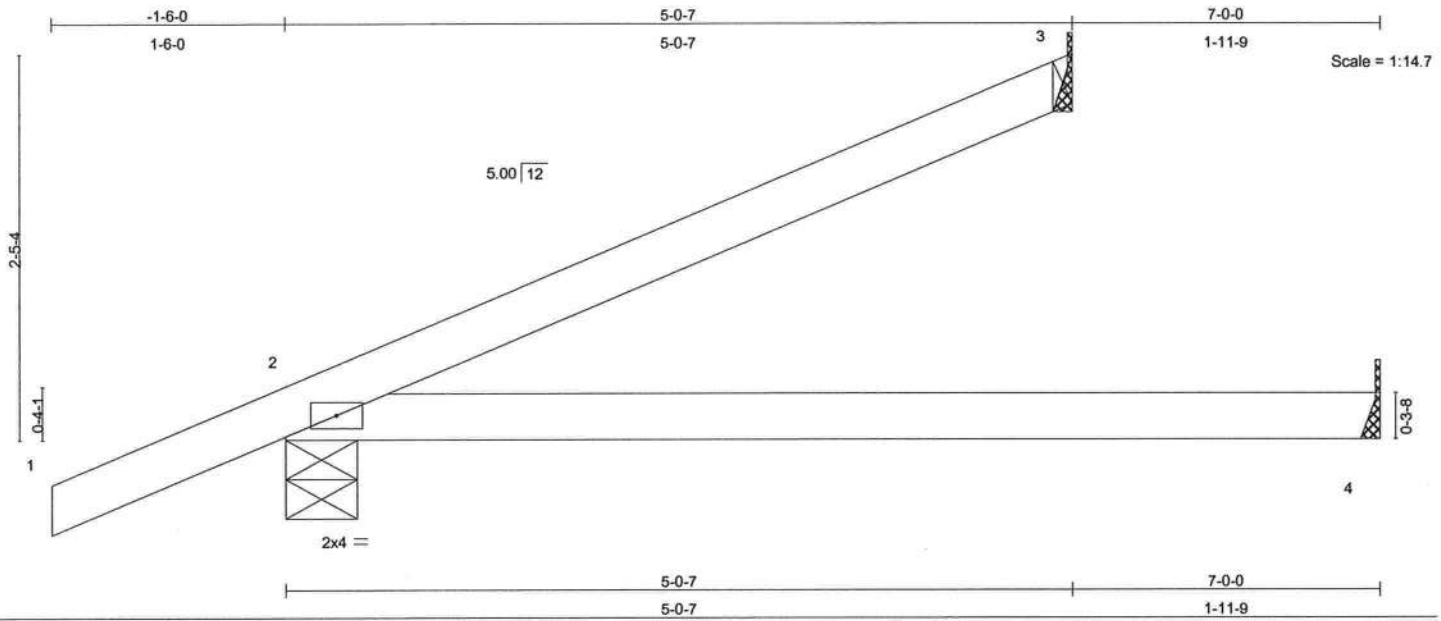
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	E5008838
CUNRES	J07	ROOF TRUSS	4	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:07:02 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.20	Vert(LL)	-0.10	2-4	>805	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.25	2-4	>322	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 21 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-7 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=123/Mechanical, 2=332/0-5-8, 4=67/Mechanical
Max Horz 2=98(LC 5)
Max Uplift3=-53(LC 5), 2=-89(LC 5)
Max Grav 3=123(LC 1), 2=332(LC 1), 4=134(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-65/39
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 53 lb uplift at joint 3 and 89 lb uplift at joint 2.

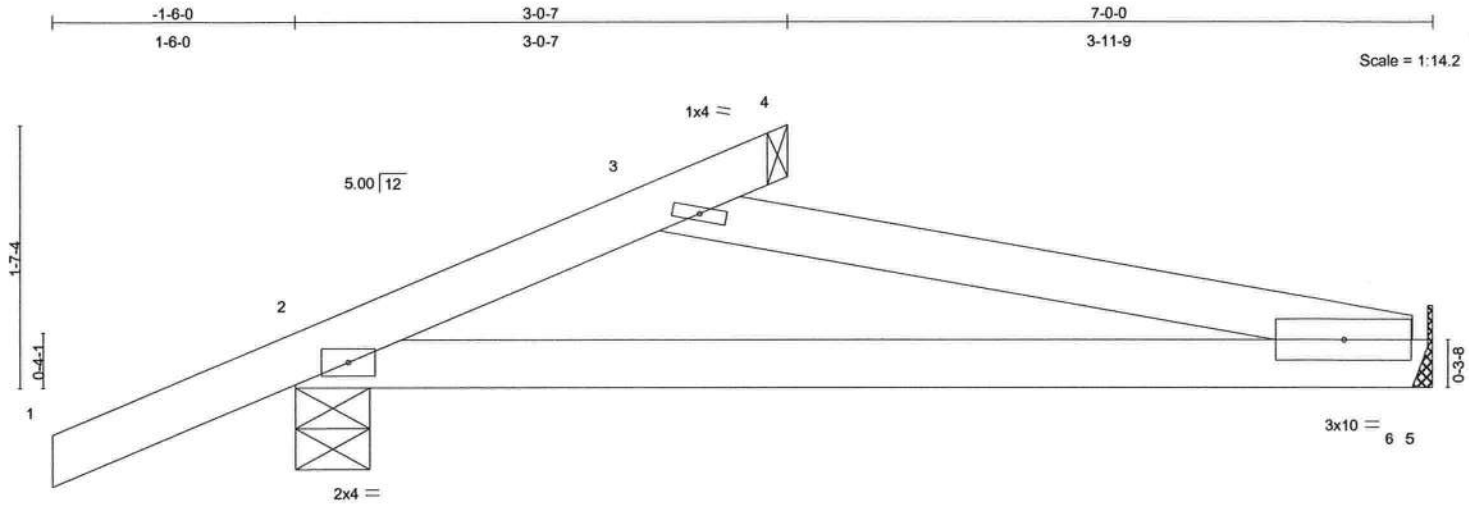
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	J07A	ROOF TRUSS	4	1	E5008839
					Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:07:03 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.10	2-6	>829	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.38	Vert(TL)	-0.24	2-6	>332	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.04	Horz(TL)	0.00	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 25 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-7 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) 2=317/0-5-8, 6=92/Mechanical
Max Horz 2=69(LC 5)
Max Uplift2=-89(LC 5)
Max Grav 2=317(LC 1), 6=147(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-160/60, 3-4=-19/0
BOT CHORD 2-6=-75/107, 5-6=0/0
WEBS 3-6=-109/77

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 89 lb uplift at joint 2.

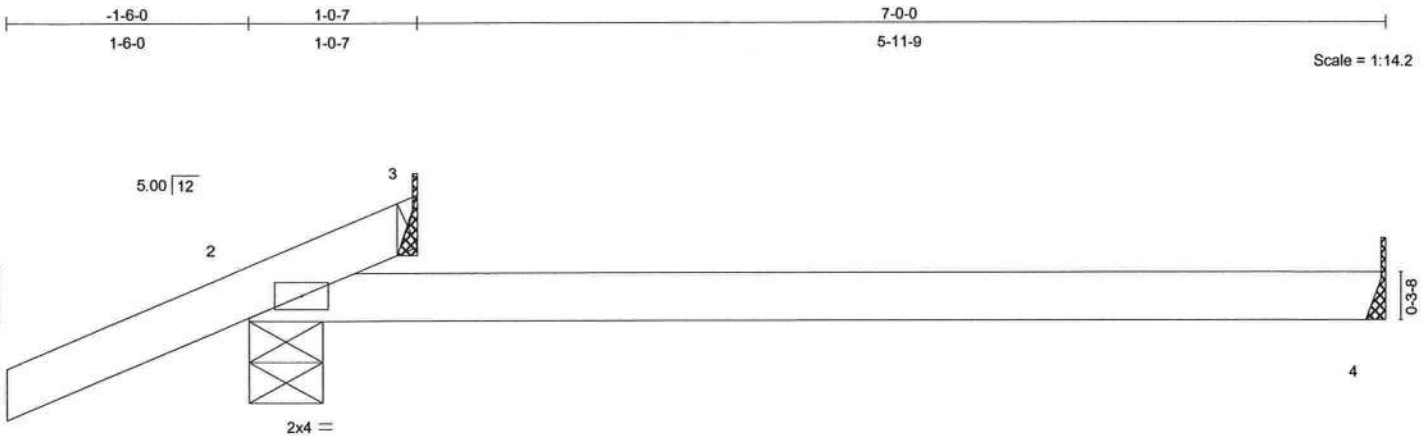
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	E5008840
CUNRES	J07B	ROOF TRUSS	4	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:07:03 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.11	2-4	>742	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.28	2-4	>297	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 15 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-7 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) 2=264/0-5-8, 4=69/Mechanical, 3=-44/Mechanical
Max Horz 2=45(LC 5)
Max Uplift2=-94(LC 5), 3=-44(LC 1)
Max Grav 2=264(LC 1), 4=138(LC 2), 3=44(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-44/18
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 2 and 44 lb uplift at joint 3.

LOAD CASE(S) Standard

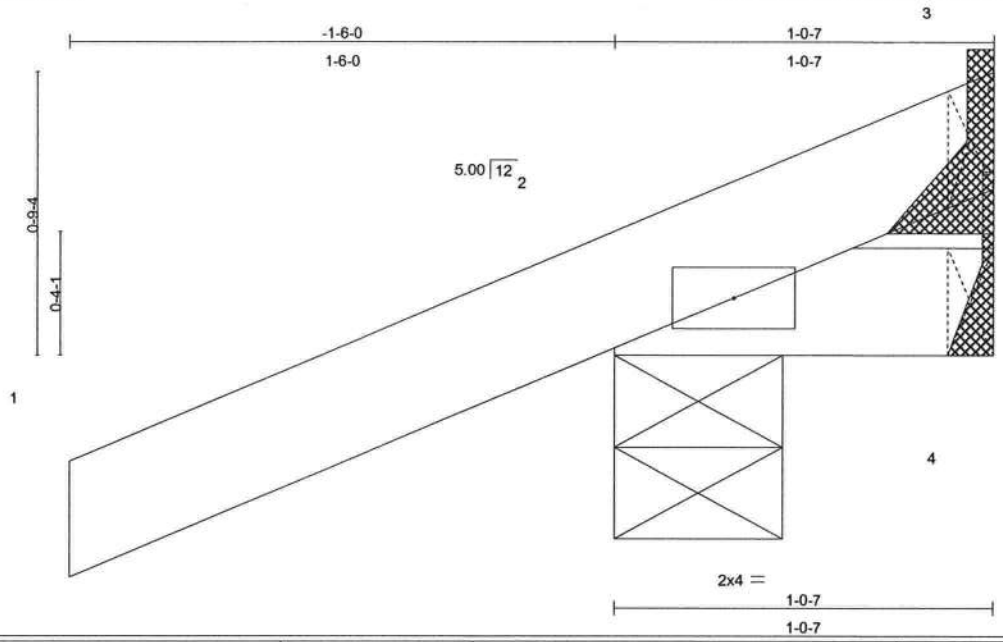
Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	
CUNRES	J1	ROOF TRUSS	2	1	E5008841

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:07:03 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.12	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>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 FBC2004/TPI2002		(Matrix)							Weight: 6 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-7 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) 2=206/0-5-8, 4=10/Mechanical, 3=-46/Mechanical
Max Horz 2=44(LC 5)
Max Uplift2=-125(LC 5), 3=-46(LC 1)
Max Grav 2=206(LC 1), 4=20(LC 2), 3=46(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/33, 2-3=-44/19
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 125 lb uplift at joint 2 and 46 lb uplift at joint 3.

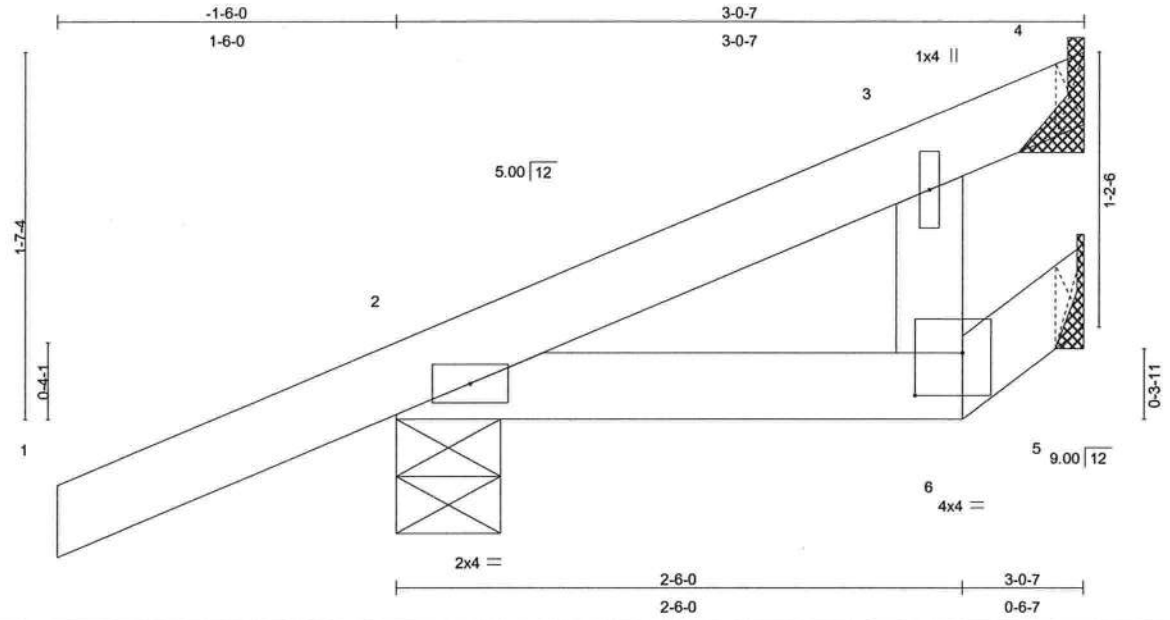
LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

Job	Truss	Truss Type	Qty	Ply	E5008842
CUNRES	J3	ROOF TRUSS	2	1	Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:07:04 2008 Page 1



Scale = 1:10.1

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.00	6	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.01	2-6	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	-0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 14 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-7 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.

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

REACTIONS (lb/size) 4=70/Mechanical, 2=244/0-5-8, 5=5/Mechanical
Max Horz 2=70(LC 5)
Max Uplift4=-8(LC 4), 2=-103(LC 5)
Max Grav4=70(LC 1), 2=244(LC 1), 5=9(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-47/6, 3-4=-5/26
BOT CHORD 2-6=-8/0, 5-6=-5/5
WEBS 3-6=0/55

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 8 lb uplift at joint 4 and 103 lb uplift at joint 2.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

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

Job	Truss	Truss Type	Qty	Ply	
CUNRES	J5	ROOF TRUSS	2	1	E5008843

Job Reference (optional)

SANTA FE TRUSS, HIGH SPRINGS, FL. 7.060 s Aug 6 2008 MiTek Industries, Inc. Tue Aug 26 10:07:04 2008 Page 1

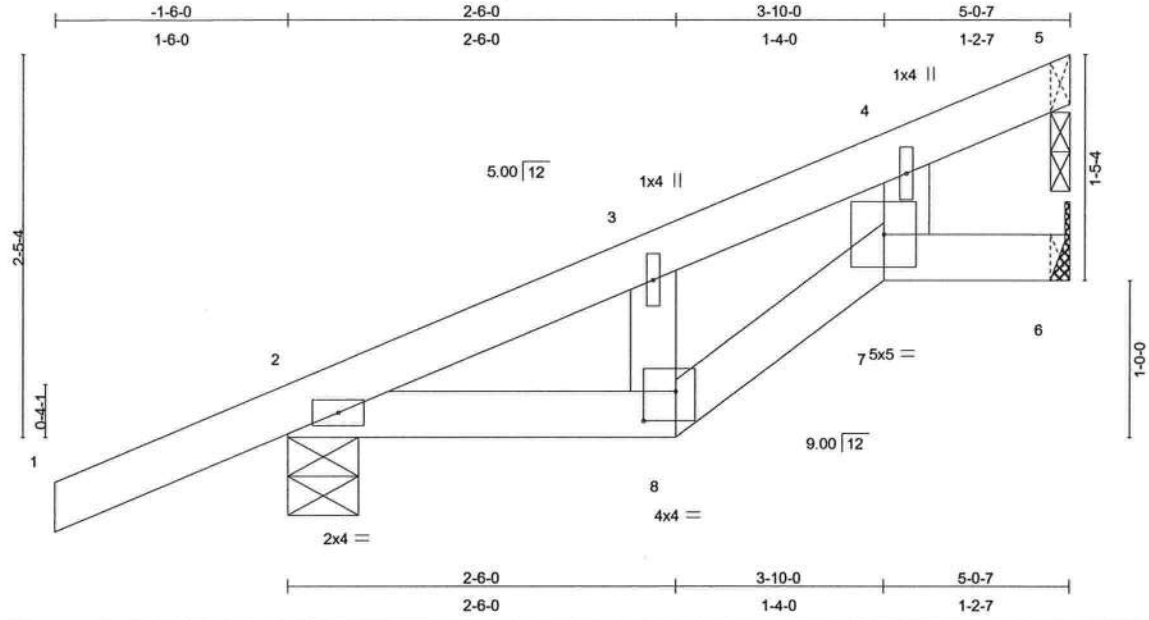


Plate Offsets (X,Y): [8:0-2-8,0-2-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.04	8	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.04	Vert(TL)	-0.10	8	>554	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.02	Horz(TL)	-0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 21 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-7 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) 5=159/0-1-8, 2=312/0-5-8, 6=11/Mechanical
Max Horz 2=98(LC 5)
Max Uplift5=-35(LC 5), 2=-98(LC 5)
Max Grav5=159(LC 1), 2=312(LC 1), 6=23(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/34, 2-3=-82/0, 3-4=-31/17, 4-5=-17/59
BOT CHORD 2-8=0/4, 7-8=0/29, 6-7=-0/0
WEBS 3-8=0/63, 4-7=0/60

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); TCDL=5.0psf; BCDL=5.0psf; h=18ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left and right exposed ; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) Refer to girder(s) for truss to truss connections.
4) Provide mechanical connection (by others) of truss to bearing plate at joint(s) 5.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 35 lb uplift at joint 5 and 98 lb uplift at joint 2.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 5.

LOAD CASE(S) Standard

Marvin A. Strzyzewski, FL Lic. #43144
Truss Engineering Co.
818 Soundside Road
Edenton, NC 27932
FL COA #7239

August 26,2008

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 16-6S-17-09710-000 **Building permit No.** 000027450

Use Classification SFD,UTILITY **Fire:** 36.66

Permit Holder OWNER BUILDER **Waste:** 50.25

Owner of Building JERRY CUNNINGHAM **Total:** 86.91

Location: 529 SW HAMMOCK HILL CIRCLE, LAKE CITY, FL

Date: 07/27/2009

Harry Dicks

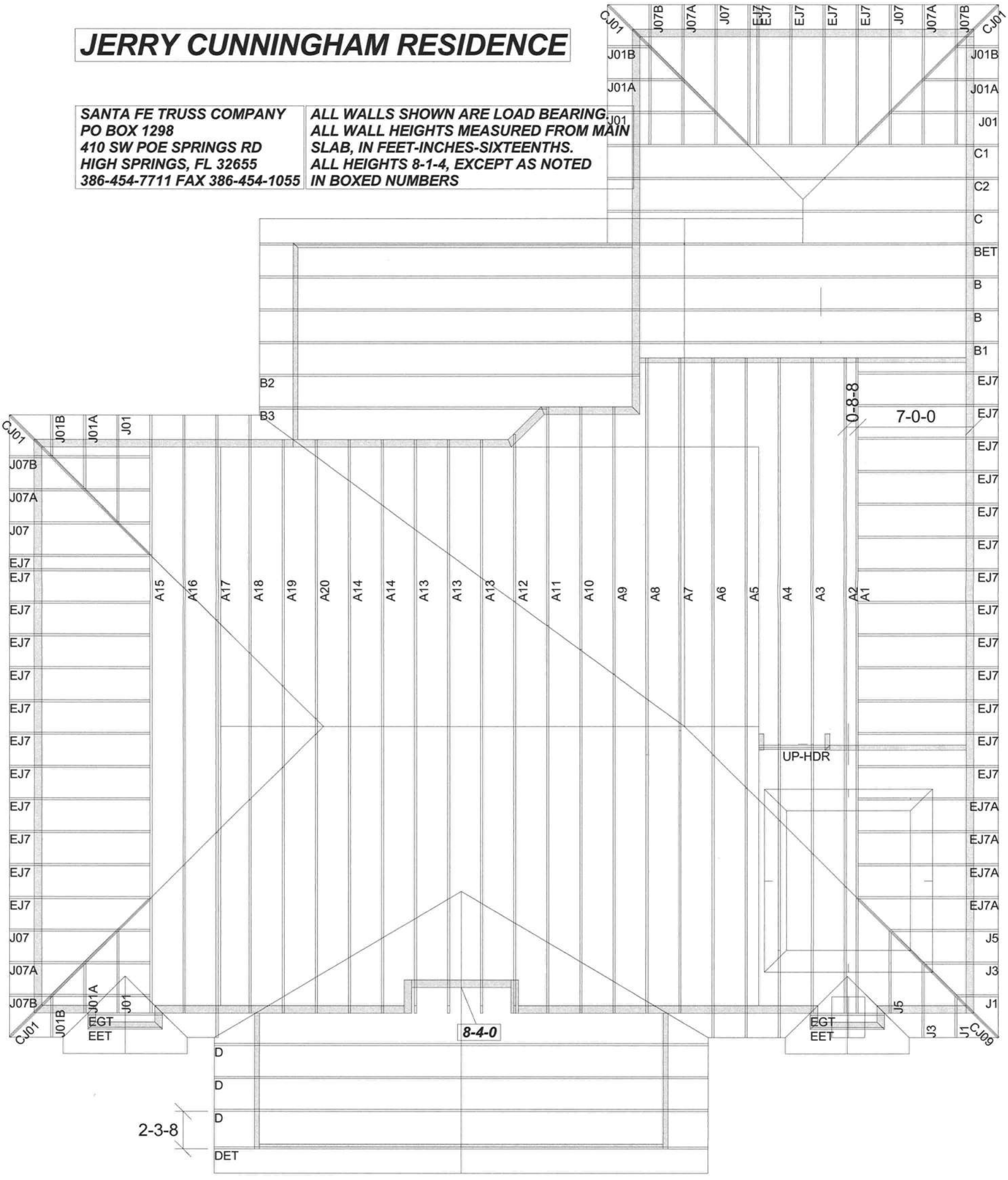
Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

JERRY CUNNINGHAM RESIDENCE

SANTA FE TRUSS COMPANY
PO BOX 1298
410 SW POE SPRINGS RD
HIGH SPRINGS, FL 32655
386-454-7711 FAX 386-454-1055

ALL WALLS SHOWN ARE LOAD BEARING.
ALL WALL HEIGHTS MEASURED FROM MAIN SLAB, IN FEET-INCHES-SIXTEENTHS.
ALL HEIGHTS 8-1-4, EXCEPT AS NOTED IN BOXED NUMBERS



JERRY CUNNINGHAM RESIDENCE

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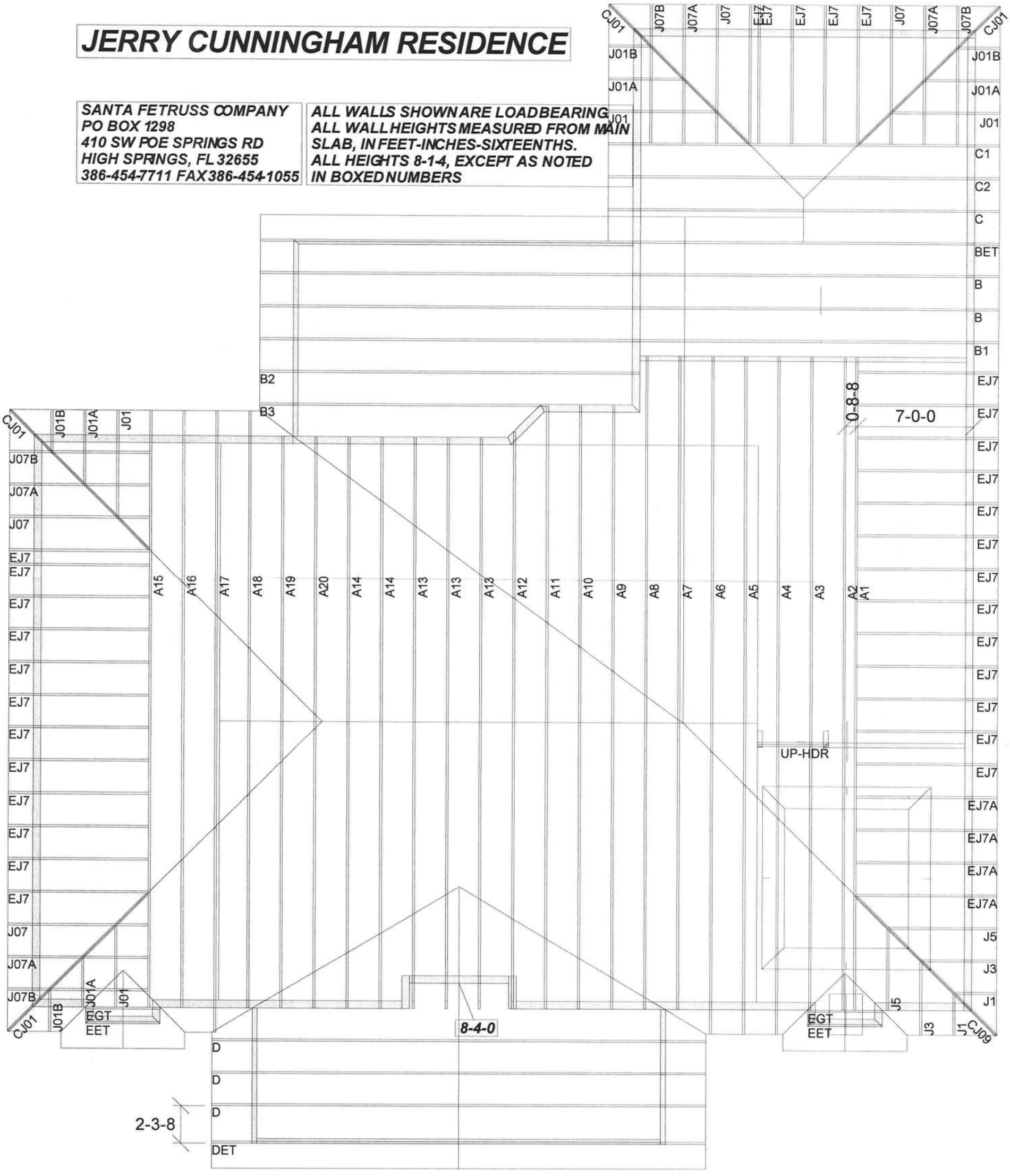

ARROW EXTERMINATORS
TERMITE AND PEST CONTROL

#27450

5602 N.W. 13th STREET
GAINESVILLE, FLORIDA 32653-2198

P.O. BOX 5875
GAINESVILLE, FLORIDA 32627-5875

PHONE (352) 373-3642
FAX (352) 373-9037

CERTIFICATE OF PROTECTIVE TREATMENT

Builder: Jerry Cunningham

Date: 12-10-08 Time: _____ AM _____ PM

Site Location: 529 SW Hammock Hill Circle

Area Treated: Living, Entry, Garage, Porch

Product Used: Talstar P. Chemical Used: Bifenthrin

% Concentration: .06% # Gallons Used: 380

Applicator: Jerry