DATE 12/14/2010

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000029065

APPLICANT SCOTT ROSENBOOM PHONE 352-538-3877

ADDRESS 19802 NW 190TH AVENUE HIGH SPRINGS FL 32643

OWNER TODD & CYNTHIA JENKINS PHONE 352-745-2573

ADDRESS 476 SW ANGEL GLEN FT. WHITE FL 32038

CONTRACTOR SCOTT ROSENBOOM PHONE 352-538-3877

LOCATION OF PROPERTY 47-S TO US 27,TR TO ANGEL,TL (BEHIND PETE RICHARDSON'S SAND PIT) IT'S THE DECORATIVE GATE ON L.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 105000.00

HEATED FLOOR AREA 1688.00 TOTAL AREA 2100.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 7'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

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

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

PARCEL ID 30-6S-16-03986-006 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 11.76

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
		CBC125076	X Scott Rosenboom

Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident
EXISTING	10-512-E	BLK	TC	N

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD. M/H TO BE REMOVED AFTER 45 DAYS OF CO ISSUANCE. 1 UNIT CHARGED FOR ASSESSMENTS.

Check # or Cash 11735

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power ____ date/app. by Foundation ____ date/app. by Monolithic ____ date/app. by

Under slab rough-in plumbing ____ date/app. by Slab ____ date/app. by Sheathing/Nailing ____ date/app. by

Framing ____ date/app. by Insulation ____ date/app. by

Rough-in plumbing above slab and below wood floor ____ date/app. by Electrical rough-in ____ date/app. by

Heat & Air Duct ____ date/app. by Peri. beam (Lintel) ____ date/app. by Pool ____ date/app. by

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

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

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

BUILDING PERMIT FEE $ 525.00 CERTIFICATION FEE $ 10.50 SURCHARGE FEE $ 10.50

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 621.00

INSPECTORS OFFICE CLERKS OFFICE

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

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

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

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

NOTICE OF INSPECTION AND/OR TREATMENT

476 SW Harold Glenn Ft White
Address

permit # 29065
Date of Inspection

1/04/11
Date of Treatment - Full ☑ Spot ☐

Aggressor 75WSP 2.5%
Pesticide Used

Subterranean
Wood-Destroying Organisms Treated

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

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

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

Call: 386-418-4387
for a free inspection & estimate

SCREENED PO

BEDROOM #3

BEDROOM #2

BATH

PLUMB & ELECTRIC FOR BIDET TOILET SEAT

ATTIC ACCESS

DINING ROOM

GREAT

VAULTED

OPENING

2-3'-0" X 5'-0"

2 - 3'-0" W/2- 14" SIDELIGHT

3'-0" X 5'-0"

3'-0" X 5'-0"

W/14" SIDELIGHT

COVERED PORCH

CENTER BEAM CANTILEVER TRUSSES

STEP

STEP AS REQUIRED

SCREEN DOOR

3'-0" X 3'-0"

H/B

REF.

D/W

RAISED BAR

KITCHEN

RANGE/W HOOD

ARCH

POCKET

LAUNDRY

W/H

KNEE WALL W/ GLASS ABOVE

AWNING

3'-0" X 1'-4"

3'-0" X 5'-0"

PLUMB & ELECTRIC FOR BIDET TOILET SEAT

MASTER BATH

W.I.C.

POCKET

MASTER SUITE

NOTE:
INSTALL 5/8" GYPSUM BOARD ON ALL CEILING AREA

MAN D

GEO-TECH, INC.

Engineering Consultants in Geotechnical • Environmental • Construction Materials Testing

29065

FIELD DENSITY WORKSHEET

CLIENT Scott Rosenboom

DATE 1-3-11

PROJECT NO. _____

PROJECT NAME Jenkins Res 476 SW Angel Glen

PERMIT NO. _____

EARTH CONTRACTOR Ft. White

TESTED BY S.L.

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.
	104.9	10.1	F/G	12"				
Center of East Footing					6.7	111.5	104.5	99.6
6' NW of SE Corner of Pad					5.9	110.1	104.0	99.1
Center of South Footing					6.8	111.6	104.5	99.6
6' SE of NW Corner of Pad					6.1	110.2	103.9	99.0

REMARKS _____

* Density failed to meet minimum project requirement

** Retest indicates minimum density requirement was obtained.

( ) Client is aware of unsatisfactory test results.

Revised

Permit # 29065

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR Thomas H. Lane PHONE 352 377-8866

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

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

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

ELECTRICAL	Print Name _____ License #:	Signature _____ Phone #:
MECHANICAL/ A/C _____	Print Name _____ License #:	Signature _____ Phone #:
PLUMBING/ GAS	Print Name _____ License #:	Signature _____ Phone #:
ROOFING	Print Name _____ License #:	Signature _____ Phone #:
SHEET METAL	Print Name _____ License #:	Signature _____ Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name _____ License#:	Signature _____ Phone #:
SOLAR	Print Name Thomas H. Lane License #: CVC 056643	Signature X Thomas H Lane Phone #: 352 377-8866

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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

29065

WoodWorks® SOFTWARE FOR WOOD DESIGN	COMPANY	PROJECT
	Feb. 24, 2011 14:32:18	JENKINS RES Beam1.wwb

Design Check Calculation Sheet

Sizer 2004

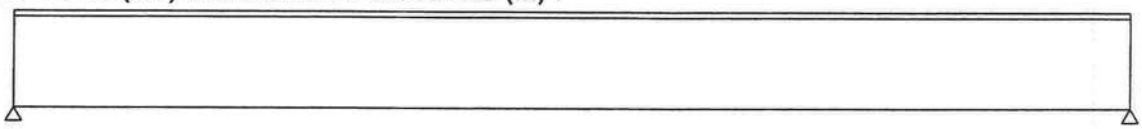
LOADS: (lbs, psf, or plf)

Load	Type	Distribution	Magnitude Start	Magnitude End	Location [ft] Start	Location [ft] End	Pattern Load?
Load1	Dead	Full Area	15.00	(9.50) *			No
Load2	Live	Full Area	16.00	(9.50) *			No

*Tributary Width (ft)

← 7:12 ROOF

MAXIMUM REACTIONS (lbs) and BEARING LENGTHS (in) :



Dead	870		870
Live	874		874
Total	1744		1744
Bearing:			
LC number	2		2
Length	1.0		1.0

Lumber n-ply, S. Pine, No.2, 2x12", 2-Plys

Self Weight of 8.75 plf automatically included in loads;

Lateral support: top= full, bottom= at supports; Load combinations: ICC-IBC;

SECTION vs. DESIGN CODE NDS-2001: (stress=psi, and in)

Criterion	Analysis Value	Design Value	Analysis/Design
Shear	fv = 65	Fv' = 175	fv/Fv' = 0.37
Bending(+)	fb = 951	Fb' = 975	fb/Fb' = 0.98
Live Defl'n	0.11 = <L/999	0.58 = L/240	0.18
Total Defl'n	0.26 = L/527	0.77 = L/180	0.34

ADDITIONAL DATA:

FACTORS:	F	CD	CM	Ct	CL	CF	Cfu	Cr	Cfrt	Ci	Cn	LC#
Fb'+	975	1.00	1.00	1.00	1.000	1.000	1.00	1.00	1.00	1.00	-	2
Fv'	175	1.00	1.00	1.00	-	-	-	-	1.00	1.00	1.00	2
Fcp'	565	-	1.00	1.00	-	-	-	-	1.00	1.00	-	-
E'	1.6 million		1.00	1.00	-	-	-	-	1.00	1.00	-	2

Bending(+): LC# 2 = D+L, M = 5013 lbs-ft
Shear : LC# 2 = D+L, V = 1744, V design = 1459 lbs
Deflection: LC# 2 = D+L EI= 284.76e06 lb-in2/ply
Total Deflection = 1.50(Dead Load Deflection) + Live Load Deflection.
(D=dead L=live S=snow W=wind I=impact C=construction CLd=concentrated)
(All LC's are listed in the Analysis output)

DESIGN NOTES:

1. Please verify that the default deflection limits are appropriate for your application.
2. Sawn lumber bending members shall be laterally supported according to the provisions of NDS Clause 4.4.1.
3. BUILT-UP BEAMS: it is assumed that each ply is a single continuous member (that is, no butt joints are present) fastened together securely at intervals not exceeding 4 times the depth and that each ply is equally top-loaded. Where beams are side-loaded, special fastening details may be required.

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 30-6S-16-03986-006 **Building permit No.** 000029065

Use Classification SFD/UTILITY **Fire:** 0.00

Permit Holder SCOTT ROSENBOOM **Waste:**

Owner of Building TODD & CYNTHIA JENKINS **Total:** 0.00

Location: 476 SW ANGEL GLEN, FT. WHITE, FL 32038

Date: 05/11/2011

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind speed map) **SHALL BE USED.**

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

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

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable

				Yes	No	N/A
1	Two (2) complete sets of plans containing the following:			✓		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void			\		
3	Condition space (Sq. Ft.)		Total (Sq. Ft.) under roof	IIIIIIII	IIIIIIII	IIIII

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

Site Plan information including:

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

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

Wind-load Engineering Summary, calculations and any details required

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
8	**Plans or specifications must show compliance with FBCR Chapter 3**	IIIII YES	IIIII NO	IIIII N/A
9	Basic wind speed (3-second gust), miles per hour	✓		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	✓		
11	Wind importance factor and nature of occupancy	✓		
12	The applicable internal pressure coefficient, Components and Cladding	✓		
13	The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional.	✓		

Elevations Drawing including:

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

Floor Plan including:

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

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

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable

FBCR 403: Foundation Plans

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

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 320: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Sub mit other approved termite protection methods. **Protection shall be provided by registered termiticides**			

FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

37	Show all materials making up walls, wall height, and Block size, mortar type	✓		
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement	✓		

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

Floor Framing System: First and/or second story

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

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

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls			✓
53	Fastener schedule for structural members per table FBCR 602.3 are to be shown	✓		
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	✓		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	✓		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCR Table 502.5 (1)			✓
57	Indicate where pressure treated wood will be placed	✓		
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	✓		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail			✓

FBCR :ROOF SYSTEMS:

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

FBCR 802:Conventional Roof Framing Layout

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

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

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	✓		
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	✓		

FBCR ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assembles covering	✓		
72	Submit Florida Product Approval numbers for each component of the roof assembles covering	✓		

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter11 Residential buildings compliance methods. **Two of the required forms are to be submitted**, *N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.*

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

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	✓		
78	Exhaust fans shown in bathrooms **Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required**	✓		
79	Show clothes dryer route and total run of exhaust duct	✓		

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan	✓		
81	Show the location of water heater	✓		

Private Potable Water WELL IS EXISTING

82	Pump motor horse power	1 HP			
83	Reservoir pressure tank gallon capacity	40			
84	Rating of cycle stop valve if used	40/60 50			

Electrical layout shown including

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

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

Notice Of Commencement

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

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

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

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

Section R101.2.1 of the Florida Building Code Residential:

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

Section 105 of the Florida Building Code defines the:

Time limitation of application.

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

Single-family residential dwelling.

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

Permit intent.

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

AHRI CERTIFIED™
www.ahridirectory.org

Certificate of Product Ratings

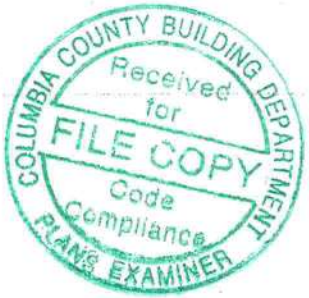
AHRI Certified Reference Number: 1492742 Date: 11/10/2010

Product: Split System: Heat Pump with Remote Outdoor Unit-Air-Source
Outdoor Unit Model Number: ASZ140361A*
Indoor Unit Model Number: AR*F374316B*+TXV
Manufacturer: AMANA HEATING AND AIR CONDITIONING
Trade/Brand name: ASZ14 SERIES

Manufacturer responsible for the rating of this system combination is AMANA HEATING AND AIR CONDITIONING

Rated as follows in accordance with AHRI Standard 210/240-2006 for Unitary Air-Conditioning and Air-Source Heat Pump Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (Btuh):	35000
EER Rating (Cooling):	12.00
SEER Rating (Cooling):	14.00
Heating Capacity(Btuh) @ 47 F:	35000
Region IV HSPF Rating (Heating):	9.00
Heating Capacity(Btuh) @ 17 F:	24000



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

CERTIFICATE VERIFICATION
The information for the model cited on this certificate can be verified at www.ahridirectory.org, click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed below.

AHRI Air-Conditioning, Heating, and Refrigeration Institute

CERTIFICATE NO.: 129338623531316260

CAB/N.C
☑ MICHAEL HADDOCK
* all Updates "License" Rosenboom ☑

Columbia County Building Permit Application

For Office Use Only Application # 1011-42 Date Received 11/23 By JW Permit # 29065

Zoning Official BLK Date 01.12.10 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1' above Rd River N/A Plans Examiner J.C. Date 11-29-10

Comments MH to be removed within 45 days of CO being issued

☑ NOC ☑ EH ☑ Deed or PA ☑ Site Plan □ State Road Info □ Parent Parcel # ______

□ Dev Permit # ______ □ In Floodway □ Letter of Auth. from Contractor □ F W Comp. letter

IMPACT FEES: EMS ______ Fire ______ Corr ______ Road/Code ______

School ______ = TOTAL 0 SUSPENDED VF ☑

Septic Permit No. 10-512 E Fax 386-454-2666

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

X Address 19802 NW 190th AVE High Springs FL 32643

Owners Name TODD E. AND CYNTHIA JENKINS Phone 352-745-2573

911 Address 476 SW ANGEL GLEN FT WHITE 32038

Contractors Name Scott Rosenboom Phone 352-538-3877

Address 19802 NW 190th AVE HIGH SPRINGS FL 32643

Fee Simple Owner Name & Address —

Bonding Co. Name & Address —

Architect/Engineer Name & Address MARK DISAWAY, P.E POB 868, L.C, FL 3205

Mortgage Lenders Name & Address FIRST FEDERAL BANK, L.C, FL 32055

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

X Property ID Number 30-6S-16-03986-006 **Estimated Cost of Construction** 150,000

Subdivision Name ______ Lot ____ Block ____ Unit ____ Phase ____

Driving Directions WEST OF FT WHITE ON THE SOUTH SIDE OF HWY 27 (R) TURN ON (L) Angel, BEHIND PETE RICHARDSON'S SAND PITT. (DECORATIVE GATE ONLY) Number of Existing Dwellings on Property * 1 MH TO BE REMOVED

Construction of Single FAM HOME Total Acreage 11.76 Lot Size ______

Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive) Total Building Height ______

Actual Distance of Structure from Property Lines - Front 300' Side 275 Side 176 Rear 630

Number of Stories 1 Heated Floor Area 1688 Total Floor Area 2100 Roof Pitch 7/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. CODE: Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code.

LA spoke w/ Scott 12.1.10 left list of things

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

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

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

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

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF 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 CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

(Owners Must Sign All Applications Before Permit Issuance.)

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

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

Contractor's Signature (Permitee)

Contractor's License Number CBC 1257076
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 19 **day of** November **20** 10

Personally known ✓ **or Produced Identification** _____

State of Florida Notary Signature (For the Contractor)

SEAL:

MICHELLE M. SPIVEY
Notary Public - State of Florida
My Comm. Expires Dec 29, 2010
Commission # DD 649062
Bonded Through National Notary Assn.

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1011-42 CONTRACTOR Scott Rosenboom PHONE 352-538-387

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

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

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

ELECTRICAL 380	Print Name Donald Davis License #: EC0002306	Signature Phone #: 386-623-0499
MECHANICAL/ A/C 960	Print Name William Hogle License #: CAC058124	Signature Phone #: 352-832-1508
PLUMBING/ GAS 441	Print Name JOE DAVIS License #: CFC057304	Signature Phone #: 386-623-3487
ROOFING 373	Print Name Timothy McKee License #: CCC058050	Signature Phone #: 352-339-4135
SHEET METAL	Print Name License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name License#:	Signature Phone #:
SOLAR	Print Name License #:	Signature Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	N/A		
CONCRETE FINISHER	CB 125076	Scott Rosenboom	
FRAMING	000033	MICHAEL L HADDEN	
INSULATION	-	-	
STUCCO	000600	NOHA Bull	
DRYWALL	CBC125076	SCOTT ROSENBOOM	
PLASTER	CB 125076	Scott Rosenboom	
CABINET INSTALLER	CB 125076	"	
PAINTING	CB 125076	"	
ACOUSTICAL CEILING	N/A		
GLASS	N/A		
CERAMIC TILE	000997	MIKE WRIGHT	
FLOOR COVERING	000998	MIKE WRIGHT	
ALUM/VINYL SIDING	RBL 029076	DAVID MAYER	
GARAGE DOOR	N/A		
METAL BLDG ERECTOR	N/A		

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

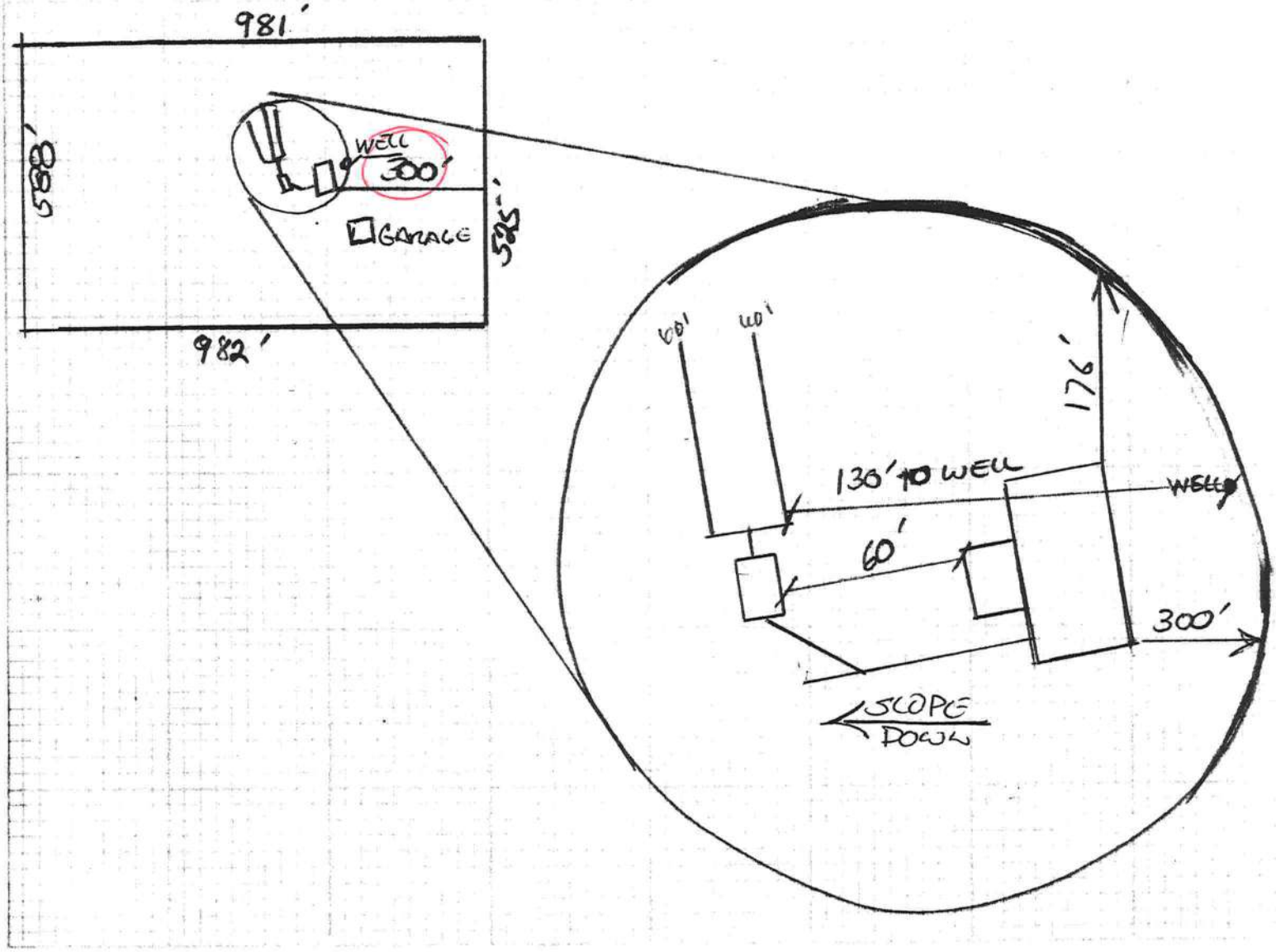
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 10-0512E

PART II - SITE PLAN

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



Notes: _____

Site Plan submitted by: Scott Rosenbloom _____ _____
Signature Title

Plan Approved X Not Approved _____ Date 11/22/10

By _____ Columbia CHD County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

10-0512-E

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ON-SITE SEWAGE DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. 984483
DATE PAID: 11/15/10
FEE PAID: 125.00
RECEIPT #: 1585215

APPLICATION FOR:
[ ] New System [X] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ] ______

APPLICANT: Todd Jenkins 386 454-7894

AGENT: Scott Rosenboom TELEPHONE: 352 538-3877

MAILING ADDRESS: 19802 NW 190th AVE High Springs FL 32643

= =

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES.

= =

PROPERTY INFORMATION

LOT: ______ BLOCK: ______ SUBDIVISION: ______ PLATTED: ______

PROPERTY ID #: 30-6S-16-03986-006 ZONING: ______ I/M OR EQUIVALENT: (Y / (N))

PROPERTY SIZE: 11.5 ACRES WATER SUPPLY: [✓] PRIVATE PUBLIC [✓]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / (N)] DISTANCE TO SEWER: ______ FT

PROPERTY ADDRESS: 476 SW ANGEL GLEN FT WHITE FL 32038

DIRECTIONS TO PROPERTY: WEST ON 27 FROM FT WHITE TO ANGEL, TURN LEFT ON ANGEL, DECRATIVE GATE ON YOUR LEFT

BUILDING INFORMATION [ ] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sq Ft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	Single FAM	3	1688/2100 HTED TOTAL	ORIGINAL ATTACHED?
2				
3				
4				

[ ] Floor/Equipment Drains [ ] Other (Specify) ______

SIGNATURE: Scott Rosenboom DATE: 11-12-10

DH 4015, 10/97 – Page 1 (Previous editions may be used)
Stock Number: 5744-001-4015-1

Prepared by and return to:

Robert A. Stern, P.A.
537 NE 1st Street Suite 5
Gainesville, FL 32601
352-373-8502
File Number: JENKINS-1ST FED

[Space Above This Line For Recording Data]

Quit Claim Deed

This Quit Claim Deed made this 10th day of November, 2010 between **TODD E. JENKINS** and CYNTHIA PORTERO, n/k/a **CYNTHIA P. JENKINS, husband and wife** whose post office address is 476 SW Angel Glen, Fort White, Florida 32038, grantor, and **TODD E. JENKINS and CYNTHIA P. JENKINS, husband and wife** whose post office address is 476 SW Angel Glen, Fort White, FL 32038, grantee:

(Whenever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, trusts and trustees)

Witnesseth, that said grantor, for and in consideration of the sum TEN AND NO/100 DOLLARS ($10.00) and other good and valuable consideration to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, does hereby remise, release, and quitclaim to the said grantee, and grantee's heirs and assigns forever, all the right, title, interest, claim and demand which grantor has in and to the following described land, situate, lying and being in Columbia County, Florida to-wit:

See Exhibit "A" attached hereto and made a part hereof as if fully set forth herein.

Parcel Identification Number: R03986-006

This Deed has been executed to confirm that title to the subject property is held by the Grantees in a tenancy by the entireties.

To Have and to Hold, the same together with all and singular the appurtenances thereto belonging or in anywise appertaining, and all the estate, right, title, interest, lien, equity and claim whatsoever of grantors, either in law or equity, for the use, benefit and profit of the said grantee forever.

In Witness Whereof, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Witness Name: Robert A Stern

Witness Name: Robert D Burns

TODD E. JENKINS (Seal)

Witness Name: Robert A Stern

Witness Name: Robert D Burns

CYNTHIA P. JENKINS (Seal)

State of Florida
County of Alachua

The foregoing instrument was acknowledged before me this 10th day of November, 2010 by TODD E. JENKINS and CYNTHIA P. JENKINS, who [_] are personally known or [X] have produced a driver's license as identification.

[Notary Seal]

J. PERRIN
MY COMMISSION # DD 609917
EXPIRES: January 12, 2011
Bonded Thru Budget Notary Services

Notary Public

Printed Name: J. Perrin

My Commission Expires: 01-12-11

DoubleTimes

BK 0784 PG 1594

EXHIBIT 'A'

FULL LEGAL DESCRIPTION

PARCEL II

BEGIN at the Southeast corner of the NE 1/4, Section 30, Township 6 South, Range 16 East, Columbia County, Florida and run thence S 88 deg 56'21" W along the South line of said NE 1/4, 823.44 feet, thence N 1 deg 39'15" W, 962.26 feet, thence N 88 deg 58'47" E, 525.47 feet to the East line of said Section 30, thence S 1 deg 32'07" E along said East line, 981.87 feet to the POINT OF BEGINNING. The North 30 feet of said lands being subject to an easement for ingress and egress. Containing 11.823 acres, more or less.

60 Foot Easement for Ingress and Egress

A strip of land 60 feet in width being 30 feet each side of a centerline described as follows:
Commence at the Southeast corner of the NW 1/4 of the NW 1/4, Section 29, Township 6 South, Range 16 East, Columbia County, Florida and run thence N 1 deg 26'10" W along the East line of said NW 1/4 of NW 1/4, 33.68 feet to the Southwesterly right of way line of Florida Power Corporation right of way (formerly CSX Transportation Railroad R/W), thence N 49 deg 41'22" W along said Southwesterly right of way line, 381.03 feet, thence N 40 deg 18'38" E, 173.00 feet to the Southwesterly right of way line of State Road No. 20 (US Highway 27) and to the POINT OF BEGINNING of said centerline, thence S 40 deg 18'38" W, 529.93 feet, thence S 87 deg 35'07" W, parallel to and 30 feet from the South line of said NW 1/4 of NW 1/4, 832.92 feet, thence S 1 deg 32'07" E parallel to and 30 feet from the East line of Section 30, Township 6 South, Range 16 East, 356.86 feet, thence S 88 deg 58'47" W, 2121.89 feet to the POINT OF TERMINATION of said centerline.

Restrictions

Mobile homes shall be permitted, provided the home has at least 700 square feet of floor area and is not more than five years old when placed on the property. Placement of mobile homes older than five years, but in good condition and appearance may be permitted if approved by the developer in writing, without notice or liability to the owners of other lots.

Permanent construction of barns, outbuildings and residential structures shall be of new materials. Residential structures shall contain at least 800 square feet of floor area, exclusive of porches and garages.

Camping in self-contained travel trailer or motor homes shall be permitted on the property up to, but not to exceed 30 consecutive days.

Non-operating vehicles or other junk material of any type shall not be placed on the property.

Commercial business and/or confined feeding operations of animals for commercial purposes is prohibited. Livestock and/or pets raised for home use or hobby purposes shall be permissable, provided the animals kept on the property are not a nuisance.

Subject to a 30 foot easement for ingress and egress.

The above described property is not the homestead of the grantor.

EXHIBIT "A"

BEGIN at the Southeast corner of the NE 1/4 of Section 30, Township 06 South, Range 16 East, Columbia County, Florida and run thence S. 88 deg. 56' 21" W., along the South line of said NE 1/4, 523.44 feet; thence N. 01 deg. 39' 15" W., 982.26 feet; thence N. 88 deg. 58' 47" E., 525.47 feet to the East line of said Section 30; thence S. 1 deg. 32' 07" E., along said East line, 981.87 feet to the POINT OF BEGINNING. The North 30 feet of said lands being subject to an easement for ingress and egress.

60 Foot Easement for Ingress and Egress:

A strip of land 60 feet in width being 30 feet each side of a centerline described as follows: Commence at the Southeast corner of the NW 1/4 of the NW 1/4, Section 29, Township 06 South, Range 16 East, Columbia County, Florida and run thence N 1 deg. 26' 10" W., along the East line of said NW 1/4 of NW 1/4, 33.68 feet to the Southwesterly right of way line of Florida Power Corporation right of way (formerly CSX Transportation Railroad R/W), thence N. 49 deg. 41' 22" W., along said Southwesterly right of way line, 381.03 feet; thence N. 40 deg. 18' 38" E., 173.00 feet to the Southwesterly right of way line of State Road No. 20 (US Highway 27) and to the POINT OF BEGINNING of said centerline; thence S. 40 deg. 18' 38" W., 529.93 feet; thence S. 87 deg. 35' 07" W., parallel to and 30 feet from the South line of said NW 1/4 of NW 1/4, 832.92 feet; thence S. 01 deg. 32' 07" E., parallel to and 30 feet from the East line of Section 30, Township 06 South, Range 16 East, 356.56 feet; thence S. 88 deg. 58' 47" W., 2121.89 feet to the POINT OF TERMINATION of said centerline.

Bp 18.50
CC 5.00
23.50

CLERK CIRCUIT COURT
COLUMBIA COUNTY, FLORIDA

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By: Deputy Clerk
Date: Nov 17, 2010

THIS INSTRUMENT WAS PREPARED BY:

ROBERT A. STERN, P.A.
537 N.E. 1st Street, Suite 5
Gainesville, Florida 32601

Inst:201012018555 Date:11/17/2010 Time:1:12 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1205 P:105

NOTICE OF COMMENCEMENT

TO WHOM IT MAY CONCERN:

The undersigned hereby informs all concerned that improvements will be made to certain real property, and in accordance with Section 713.13, Florida Statutes, the following information is stated in this NOTICE OF COMMENCEMENT.

Description of property:

See Exhibit "A" attached hereto.

located at (as described above).

General description of improvements: construction of residential home.

Owner: TODD E. JENKINS and CYNTHIA P. JENKINS

Address: 476 SW Angel Glen, Ft. White, Florida 32038

Owner's interest in site of improvement: Fee simple.

Fee Simple Title holder (if other than owner): Same.

Name: N/A

Address: N/A

Contractor: ROSENBOOM, INC.

Address: 19802 NW 190th Avenue, High Springs, Florida 32643

Surety (if any): None

Address: N/A Amount of Bond: $ N/A

Name and address of any person making a loan for the construction of the improvements:

Name: FIRST FEDERAL BANK OF FLORIDA

Address: 4705 Hwy 90 West, Lake City, FL 32055

In addition to themselves, owner(s) designate(s) the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(f), Florida Statutes:

Name:

Address:

ROSENBOOM, INC., a Florida corporation

By: Scott Rosenboom
SCOTT R. ROSENBOOM, President

STATE OF FLORIDA
COUNTY OF ALACHUA

The foregoing instrument was acknowledged before me this 15th day of November 2010, by SCOTT R. ROSENBOOM., as President of ROSENBOOM, INC., a Florida corporation, on behalf of the corporation. He is personally known to me or has produced Fla DL as identification.

Lorrie A. Herndon
Notary Public, State of Florida
Name Printed, Typed or Stamped:

LORRIE A. HERNDON
MY COMMISSION # DD 655172
EXPIRES: February 25, 2013
Bonded Thru Budget Notary Services

EXHIBIT "A"

BEGIN at the Southeast corner of the NE 1/4 of Section 30, Township 06 South, Range 16 East, Columbia County, Florida and run thence S. 88 deg. 56' 21" W., along the South line of said NE 1/4, 523.44 feet; thence N. 01 deg. 39' 15" W., 982.26 feet; thence N. 88 deg. 58' 47" E., 525.47 feet to the East line of said Section 30; thence S. 1 deg. 32' 07" E., along said East line, 981.87 feet to the POINT OF BEGINNING. The North 30 feet of said lands being subject to an easement for ingress and egress.

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PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____ **Project Name:**

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	MASONITE		FL 4940
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			FL 8177
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			FL 8164
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal	GULF COAST	5V METAL	#2632
Rf 5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number/s
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings		N/A	
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels		N/A	
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor		N/A	
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS		N/A	
1.			
2.			

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

I understand these products may have to be removed if approval cannot be demonstrated during inspec

Scott Rosenboom

Contractor or Contractor's Authorized Agent Signature

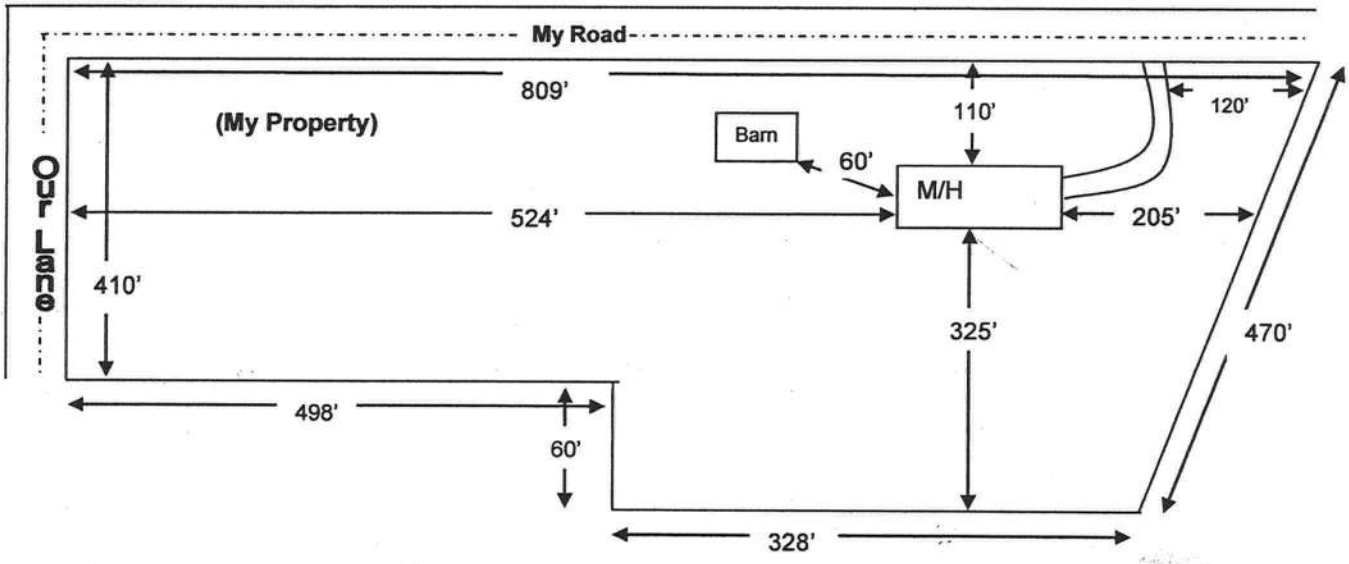
Scott ROSENBOOM

Print Name

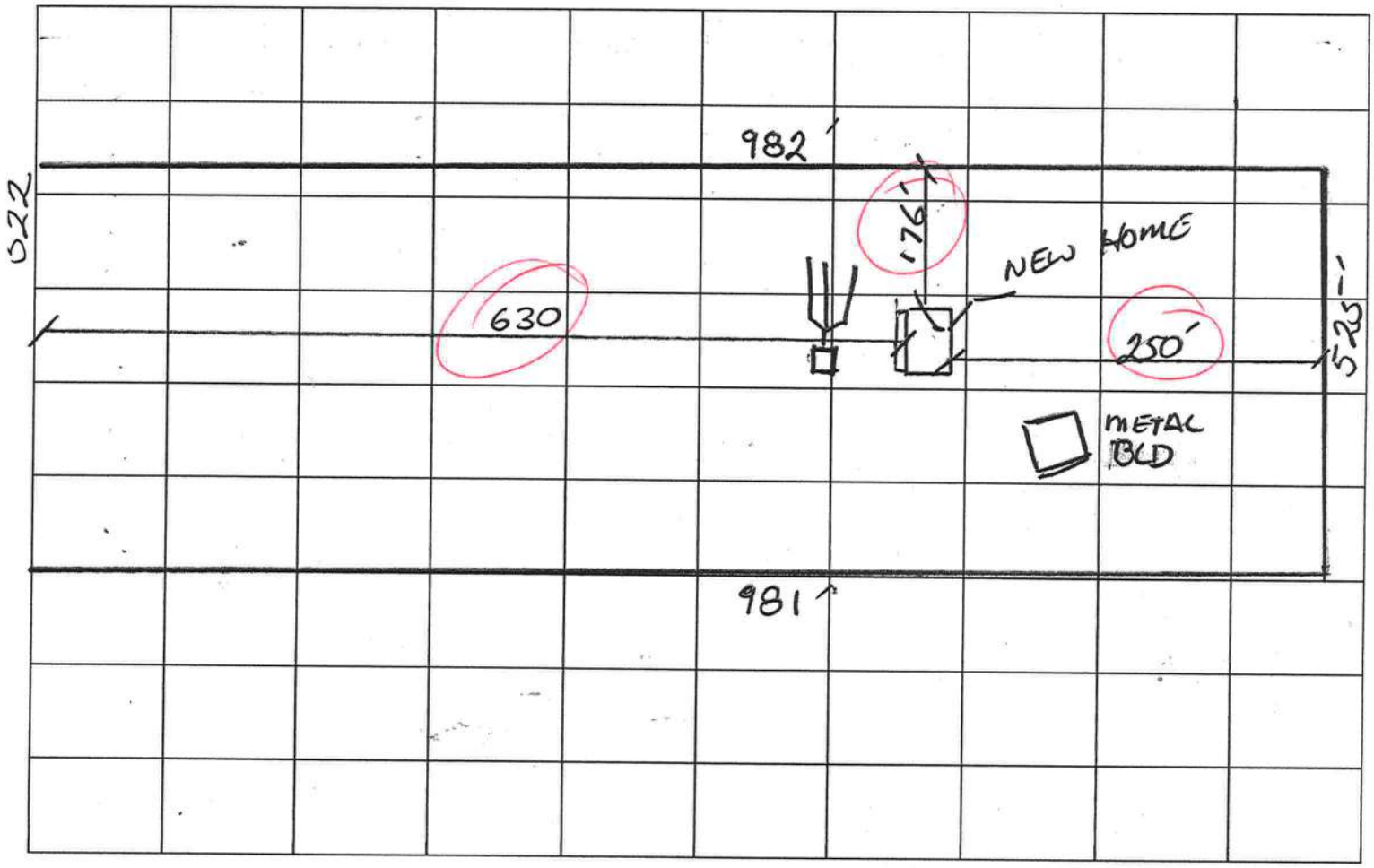
Date

Permit # (FOR STAFF USE ONLY)

SITE PLAN EXAMPLE / WORKSHEET



Use this example to draw your own site plan. Show all existing buildings and any other homes on this property and show the distances between them, Also show where the roads or roads are around the property. This site plan can also be used for the 911 Addressing department if you include the distance from the driveway to the nearest property line.



30-6S-16-03986-006

476 SW ANGEL GLEN FT WHITE FL

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 30-6S-16-03986-006 **Building permit No.** 000029065

Use Classification SFD/UTILITY **Fire:** 0.00

Permit Holder SCOTT ROSENBOOM **Waste:**

Owner of Building TODD & CYNTHIA JENKINS **Total:** 0.00

Location: 476 SW ANGEL GLEN, FT. WHITE, FL 32038

Date: 05/11/2011

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Hogle's
Heating & Air

Project Summary
Entire House
HOGLE'S HEATING & AIR

Job: JENKINS
Date: Oct 31, 2010
By: W.D.HOGLE

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

Project Information

For: SCOTT ROSENBOOM CONSTRUCTION INC.

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

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

Summer Design Conditions

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

Heating Summary

Structure	9217	Btuh
Ducts	6561	Btuh
Central vent (0 cfm)	0	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	15778	Btuh

Sensible Cooling Equipment Load Sizing

Structure	18118	Btuh
Ducts	8117	Btuh
Central vent (0 cfm)	0	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	25448	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1688	1688
Volume (ft³)	15839	15839
Air changes/hour	0.38	0.20
Equiv. AVF (cfm)	100	53

Latent Cooling Equipment Load Sizing

Structure	3056	Btuh
Ducts	1846	Btuh
Central vent (0 cfm)	0	Btuh
Equipment latent load	4902	Btuh
Equipment total load	30350	Btuh
Req. total capacity at 0.70 SHR	3.0	ton

Heating Equipment Summary

Make	AMANA
Trade	
Model	ASZ140361
ARI ref no.	1492742

Efficiency	9 HSPF	
Heating input		
Heating output	35000	Btuh @ 47°F
Temperature rise	27	°F
Actual air flow	1200	cfm
Air flow factor	0.076	cfm/Btuh
Static pressure	0	in H2O
Space thermostat		

Cooling Equipment Summary

Make	AMANA
Trade	
Cond	ASZ140361
Coil	ARUF374316
ARI ref no.	1492742

Efficiency	14 SEER	
Sensible cooling	24500	Btuh
Latent cooling	10500	Btuh
Total cooling	35000	Btuh
Actual air flow	1200	cfm
Air flow factor	0.046	cfm/Btuh
Static pressure	0	in H2O
Load sensible heat ratio	0.84	

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

Hogle's
Heating & Air

AED Assessment
Entire House
HOGLE'S HEATING & AIR

Job: JENKINS
Date: Oct 31, 2010
By: W.D.HOGLE

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

Project Information

For: SCOTT ROSENBOOM CONSTRUCTION INC.

Design Conditions

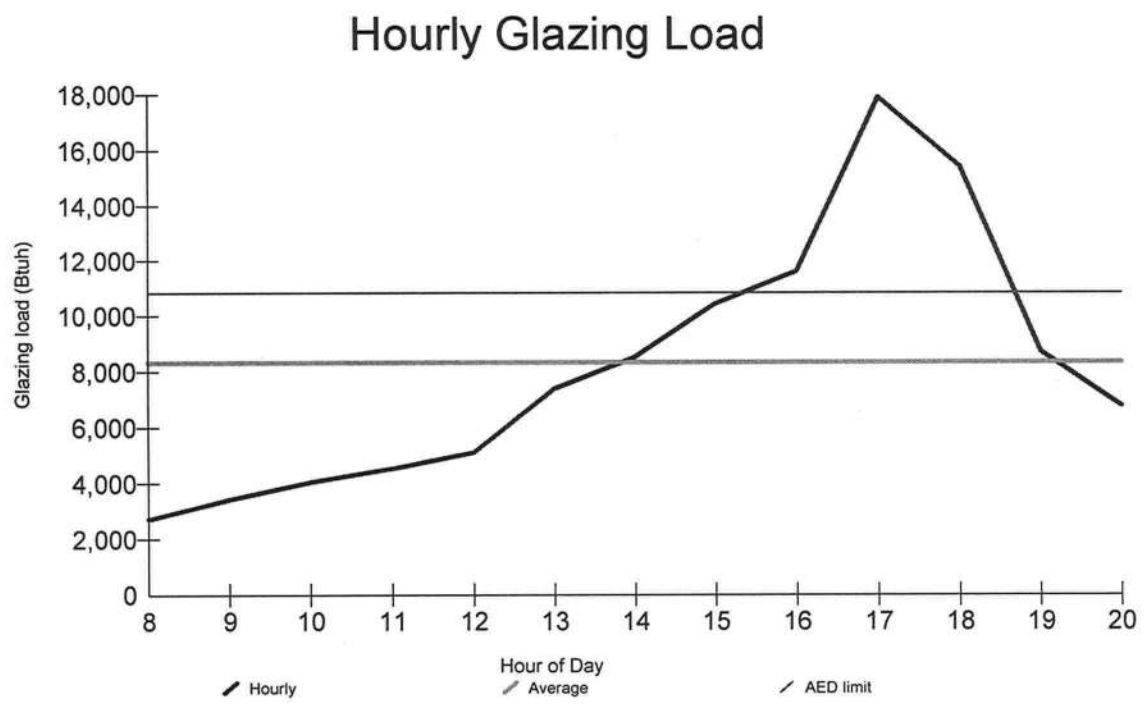
Location:
Gainesville, FL, US
Elevation: 151 ft
Latitude: 30°N

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 (%)	50	50
Moisture difference (gr/lb)	32.8	52.0

Infiltration:

Test for Adequate Exposure Diversity



Maximum hourly glazing load exceeds average by 115.2%.

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

AED excursion: 7089 Btuh (PFG - 1.3*AFG)

Hogle's
Heating & Air

Right-J® Worksheet
Entire House
HOGLE'S HEATING & AIR

Job: JENKINS
Date: Oct 31, 2010
By: W.D.HOGLE

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

		Entire House	BEDROOM #3
1	Room name		
2	Exposed wall	174.0 ft	30.0 ft
3	Ceiling height	9.4 ft d	8.0 ft heat/cool
4	Room dimensions		18.0 x 12.0 ft
5	Room area	1688.0 ft²	216.0 ft²

	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	14F-0	0.341	w	12.62	6.84	0	-223	-2814	-1525	0	-30	-379	-205
.	G	10B-b	0.750	w	27.75	18.24	42	76	1166	766	0	0	0	0
.	G	1B-c1fv	0.980	w	36.26	48.31	6	6	218	290	0	0	0	0
.	G	1D-c2ov	0.570	w	21.09	51.02	15	0	316	765	0	0	0	0
11	G	1D-c2ov	0.570	w	21.09	51.02	9	0	190	459	0	0	0	0
	G	1D-c2ov	0.570	w	21.09	51.02	60	0	1265	3061	30	0	633	1530
	G	1D-c2ov	0.570	w	21.09	31.04	70	83	1476	2173	0	0	0	0
	D	11J0	0.600	w	22.20	17.49	21	21	466	367	0	0	0	0
	C	16B-38ad	0.026	-	0.96	1.37	1688	1688	1624	2311	216	216	208	296
	F	21A-32w	0.020	-	0.74	0.00	1688	1688	1249	0	216	216	160	0

6	c) AED excursion									7089				921
	Envelope loss/gain								5157	15756			622	2542
12	a) Infiltration								4061	982			490	184
	b) Room ventilation								0	0			0	0
13	Internal gains:	Occupants @	230				6			1380	2			460
		Appliances/other								0				0
	Subtotal (lines 6 to 13)								9217	18118			1111	3185
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								9217	18118			1111	3185
15	Duct loads						71%	45%	6561	8117	71%	45%	791	1427
	Total room load								15778	26235			1903	4612
	Air required (cfm)								1200	1200			145	211

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

Hogle's
Heating & Air

Right-J® Worksheet
Entire House
HOGLE'S HEATING & AIR

Job: JENKINS
Date: Oct 31, 2010
By: W.D.HOGLE

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

							BATHROOM 6.0 ft 8.0 ft heat/cool 11.0 x 6.0 ft 66.0 ft²				HALLWAY 0 ft 8.0 ft heat/cool 7.0 x 4.0 ft 28.0 ft²			
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
1	Room name													
2	Exposed wall													
3	Ceiling height													
4	Room dimensions													
5	Room area													
6	W	14F-0	0.341	w	12.62	6.84	0	0	0	0	0	0	0	0
.	G	10B-b	0.750	w	27.75	18.24	0	0	0	0	0	0	0	0
.	G	1B-c1fv	0.980	w	36.26	48.31	0	0	0	0	0	0	0	0
.	G	1D-c2ov	0.570	w	21.09	51.02	0	0	0	0	0	0	0	0
11	G	1D-c2ov	0.570	w	21.09	51.02	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	w	21.09	51.02	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	w	21.09	31.04	0	0	0	0	0	0	0	0
	D	11J0	0.600	w	22.20	17.49	0	0	0	0	0	0	0	0
	C	16B-38ad	0.026	-	0.96	1.37	66	66	63	90	28	28	27	38
	F	21A-32w	0.020	-	0.74	0.00	66	66	49	0	28	28	21	0
6	c) AED excursion									0				0
	Envelope loss/gain								112	90			48	38
12	a) Infiltration								88	10			38	4
	b) Room ventilation								0	0			0	0
13	Internal gains:	Occupants @ 230					0			0	0			0
		Appliances/other								0				0
	Subtotal (lines 6 to 13)								201	101			85	43
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								201	101			85	43
15	Duct loads						71%	45%	143	45	71%	45%	61	19
	Total room load								344	146			146	62
	Air required (cfm)								26	7			11	3

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Hogle's
Heating & Air

Right-J® Worksheet
Entire House
HOGLE'S HEATING & AIR

Job: JENKINS
Date: Oct 31, 2010
By: W.D.HOGLE

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

							BEDROOM #2 30.0 ft 8.0 ft heat/cool 18.0 x 12.0 ft 216.0 ft²				GREATROOM 20.0 ft 12.0 ft heat/cool 20.0 x 17.0 ft 340.0 ft²			
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	14F-0	0.341	w	12.62	6.84	0	-30	-379	-205	0	-67	-845	-458
.	├──G	10B-b	0.750	w	27.75	18.24	0	0	0	0	0	0	0	0
.	├──G	1B-c1fv	0.980	w	36.26	48.31	0	0	0	0	6	3	218	290
.	├──G	1D-c2ov	0.570	w	21.09	51.02	0	0	0	0	0	0	0	0
11	├──G	1D-c2ov	0.570	w	21.09	51.02	0	0	0	0	0	0	0	0
	├──G	1D-c2ov	0.570	w	21.09	51.02	0	0	0	0	0	0	0	0
	├──G	1D-c2ov	0.570	w	21.09	31.04	30	18	633	931	40	24	844	1241
	└──D	11J0	0.600	w	22.20	17.49	0	0	0	0	21	21	466	367
	C	16B-38ad	0.026	-	0.96	1.37	216	216	208	296	340	340	327	465
	F	21A-32w	0.020	-	0.74	0.00	216	216	160	0	340	340	252	0
6	c) AED excursion									1316				2073
	Envelope loss/gain								622	2338			1261	3979
12	a) Infiltration								490	116			993	216
	b) Room ventilation								0	0			0	0
13	Internal gains:	Occupants @ 230					2			460	0			0
		Appliances/other								0				0
	Subtotal (lines 6 to 13)								1111	2913			2253	4195
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								1111	2913			2253	4195
15	Duct loads						71%	45%	791	1305	71%	45%	1604	1879
	Total room load								1903	4219			3857	6074
	Air required (cfm)								145	193			293	278

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Hogle's
Heating & Air

Right-J® Worksheet
Entire House
HOGLE'S HEATING & AIR

Job: JENKINS
Date: Oct 31, 2010
By: W.D.HOGLE

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

							DINING/KITCHEN 25.0 ft 11.0 ft heat/cool 25.0 x 13.0 ft 325.0 ft²				LAUNDRY ROOM 20.0 ft 8.0 ft heat/cool 11.0 x 9.0 ft 99.0 ft²			
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	14F-0	0.341	w	12.62	6.84	0	-51	-643	-349	0	-9	-114	-62
.	G	10B-b	0.750	w	27.75	18.24	42	38	1166	766	0	0	0	0
.	G	1B-c1fv	0.980	w	36.26	48.31	0	0	0	0	0	0	0	0
.	G	1D-c2ov	0.570	w	21.09	51.02	9	0	190	459	0	0	0	0
11	G	1D-c2ov	0.570	w	21.09	51.02	0	0	0	0	9	0	190	459
	G	1D-c2ov	0.570	w	21.09	51.02	0	0	0	0	0	0	0	0
	G	1D-c2ov	0.570	w	21.09	31.04	0	0	0	0	0	0	0	0
	D	11J0	0.600	w	22.20	17.49	0	0	0	0	0	0	0	0
	C	16B-38ad	0.026	-	0.96	1.37	325	325	313	445	99	99	95	136
	F	21A-32w	0.020	-	0.74	0.00	325	325	241	0	99	99	73	0
6	c) AED excursion									1398				276
	Envelope loss/gain								1265	2720			245	809
12	a) Infiltration								996	150			193	60
	b) Room ventilation								0	0			0	0
13	Internal gains:	Occupants @ 230					0			0	0			0
		Appliances/other								0				0
	Subtotal (lines 6 to 13)								2261	2869			437	870
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								2261	2869			437	870
15	Duct loads						71%	45%	1609	1285	71%	45%	311	390
	Total room load								3871	4155			749	1259
	Air required (cfm)								294	190			57	58

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Hogle's
Heating & Air

Right-J® Worksheet
Entire House
HOGLE'S HEATING & AIR

Job: JENKINS
Date: Oct 31, 2010
By: W.D.HOGLE

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

							MASTER BATHROOM 11.0 ft 8.0 ft heat/cool 6.0 x 11.0 ft 66.0 ft²				MASTER CLOSET 0 ft 8.0 ft heat/cool 7.0 x 11.0 ft 77.0 ft²			
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area (ft²) or perimeter (ft)		Load (Btuh)	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	14F-0	0.341	w	12.62	6.84	0	-6	-76	-41	0	0	0	0
.	├─G	10B-b	0.750	w	27.75	18.24	0	0	0	0	0	0	0	0
.	├─G	1B-c1fv	0.980	w	36.26	48.31	0	0	0	0	0	0	0	0
.	├─G	1D-c2ov	0.570	w	21.09	51.02	6	0	127	306	0	0	0	0
11	├─G	1D-c2ov	0.570	w	21.09	51.02	0	0	0	0	0	0	0	0
	├─G	1D-c2ov	0.570	w	21.09	51.02	0	0	0	0	0	0	0	0
	├─G	1D-c2ov	0.570	w	21.09	31.04	0	0	0	0	0	0	0	0
	└─D	11J0	0.600	w	22.20	17.49	0	0	0	0	0	0	0	0
	C	16B-38ad	0.026	-	0.96	1.37	66	66	63	90	77	77	74	105
	F	21A-32w	0.020	-	0.74	0.00	66	66	49	0	77	77	57	0
6	c) AED excursion									184				0
	Envelope loss/gain								163	540			131	105
12	a) Infiltration								128	40			103	12
	b) Room ventilation								0	0			0	0
13	Internal gains:	Occupants @ 230					0			0	0			0
		Appliances/other								0				0
	Subtotal (lines 6 to 13)								292	580			234	117
	Less external load								0	0			0	0
	Less transfer								0	0			0	0
	Redistribution								0	0			0	0
14	Subtotal								292	580			234	117
15	Duct loads						71%	45%	208	260	71%	45%	167	53
	Total room load								499	840			401	170
	Air required (cfm)								38	38			30	8

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Hogle's
Heating & Air

Right-J® Worksheet
Entire House
HOGLE'S HEATING & AIR

Job: JENKINS
Date: Oct 31, 2010
By: W.D.HOGLE

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

1	Room name						MASTER BEDROOM								
2	Exposed wall						32.0 ft								
3	Ceiling height						8.0 ft		heat/cool						
4	Room dimensions						17.0 x 15.0 ft								
5	Room area						255.0 ft²								
	Ty	Construction number	U-value (Btuh/ft²-°F)	Or	HTM (Btuh/ft²)		Area (ft²) or perimeter (ft)		Load (Btuh)		Area or perimeter		Load	
					Heat	Cool	Gross	N/P/S	Heat	Cool	Gross	N/P/S	Heat	Cool
6	W	14F-0	0.341	w	12.62	6.84	0	-30	-379	-205				
.	└G	10B-b	0.750	w	27.75	18.24	0	0	0	0				
.	└G	1B-c1fv	0.980	w	36.26	48.31	0	0	0	0				
.	└G	1D-c2ov	0.570	w	21.09	51.02	0	0	0	0				
11	└G	1D-c2ov	0.570	w	21.09	51.02	0	0	0	0				
	└G	1D-c2ov	0.570	w	21.09	51.02	30	0	633	1530				
	└G	1D-c2ov	0.570	w	21.09	31.04	0	0	0	0				
	└D	11J0	0.600	w	22.20	17.49	0	0	0	0				
	C	16B-38ad	0.026	-	0.96	1.37	255	255	245	349				
	F	21A-32w	0.020	-	0.74	0.00	255	255	189	0				
6	c) AED excursion									921				
	Envelope loss/gain								688	2595				
12	a) Infiltration								542	190				
	b) Room ventilation								0	0				
13	Internal gains:	Occupants @ 230					2			460				
		Appliances/other								0				
	Subtotal (lines 6 to 13)								1230	3245				
	Less external load								0	0				
	Less transfer								0	0				
	Redistribution								0	0				
14	Subtotal								1230	3245				
15	Duct loads						71%	45%	876	1454				
	Total room load								2106	4698				
	Air required (cfm)								160	215				

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

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	jenkins res	Builder Name:	rosenboom
Street:		Permit Office:	
City, State, Zip:	, fl ,	Permit Number:	
Owner:		Jurisdiction:	
Design Location:	FL, Gainesville		

1. New construction or existing	New (From Plans)			
2. Single family or multiple family	Single-family			
3. Number of units, if multiple family	1			
4. Number of Bedrooms	3			
5. Is this a worst case?	No			
6. Conditioned floor area (ft²)	1688			
7. Windows(210.0 sqft.)	Description		Area	
a. U-Factor: SHGC:	Dbl, U=0.34 SHGC=0.47		210.00	ft²
b. U-Factor: SHGC:	N/A			ft²
c. U-Factor: SHGC:	N/A			ft²
d. U-Factor: SHGC:	N/A			ft²
e. U-Factor: SHGC:	N/A			ft²
8. Floor Types (1688.0 sqft.)		Insulation	Area	
a. Slab-On-Grade Edge Insulation		R=0.0	1688.00	ft²
b. N/A		R=		ft²
c. N/A		R=		ft²

9. Wall Types (1376.0 sqft.)	Insulation	Area	
a. Concrete Block - Int Insul, Exterior	R=10.0	1376.00	ft²
b. N/A	R=		ft²
c. N/A	R=		ft²
d. N/A	R=		ft²
10. Ceiling Types (1688.0 sqft.)	Insulation	Area	
a. Cathedral/Single Assembly (Unvented)	R=20.0	1688.00	ft²
b. N/A	R=		ft²
c. N/A	R=		ft²
11. Ducts			
a. Sup: Interior Ret: Interior AH: Interior Sup. R= 6, 188 ft²			
12. Cooling systems			
a. Central Unit	Cap: 36.0 kBtu/hr SEER: 14		
13. Heating systems			
a. Electric Heat Pump	Cap: 36.0 kBtu/hr HSPF: 9		
14. Hot water systems			
a. Electric	Cap: 40 gallons EF: 0.87		
b. Conservation features None			
15. Credits	CF, Pstat		

Glass/Floor Area: 0.124

Total As-Built Modified Loads: 31.11
Total Baseline Loads: 36.73

PASS

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

PREPARED BY: Cole
DATE: 11-11-10

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

OWNER/AGENT: _____
DATE: _____

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

BUILDING OFFICIAL: _____
DATE: _____

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

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

PROJECT

Title:	jenkins res	Bedrooms:	3	Adress Type:	Street Address
Building Type:	FLAsBuilt	Conditioned Area:	1688	Lot #	
Owner:		Total Stories:	1	Block/SubDivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	rosenboom	Rotate Angle:	270	Street:	
Permit Office:		Cross Ventilation:		County:	alachua
Jurisdiction:		Whole House Fan:		City, State, Zip:	, fl ,
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

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

FLOORS

√	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	173 ft	0	1688 ft²	0	1	0

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Hip	Composition shingles	1828 ft²	0 ft²	Medium	0.96	No	0	22.6 deg

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Unvented	0	1688 ft²	N	N

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Cathedral/Single Assembly (Unvented	20	1688 ft²	0.11	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	N=>W	Exterior	Concrete Block - Int Insul	10	344 ft²		0	0.75
_____	2	S=>E	Exterior	Concrete Block - Int Insul	10	344 ft²		0	0.75
_____	3	E=>N	Exterior	Concrete Block - Int Insul	10	344 ft²		0	0.75
_____	4	W=>S	Exterior	Concrete Block - Int Insul	10	344 ft²		0	0.75

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
_____	1	N=>W	Insulated	None	0.460000	21 ft²
_____	2	S=>E	Insulated	None	0.460000	21 ft²

WINDOWS

Orientation shown is the entered orientation (=>) changed to As Built (rotated 270 degrees).

√	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	1	N=>W	Metal	Double (Clear)	Yes	0.34	0.47	N	90 ft²	2 ft 0 in	0 ft 0 in	HERS 2006	None
_____	2	S=>E	Metal	Double (Clear)	Yes	0.34	0.47	N	90 ft²	2 ft 0 in	0 ft 0 in	HERS 2006	None
_____	3	E=>N	Metal	Double (Clear)	Yes	0.34	0.47	N	30 ft²	2 ft 0 in	0 ft 0 in	HERS 2006	None

INFILTRATION & VENTING

√	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ---- Supply CFM	Exhaust CFM	Run Time Fraction	Fan Watts
_____	Default	0.00036	1594	7.08	87.5	164.6	0 cfm	0 cfm	0	0

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ducts
_____	1	Central Unit	None	SEER: 14	36 kBtu/hr	1080 cfm	0.75	sys#1

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Ducts
_____	1	Electric Heat Pump	None	HSPF: 9	36 kBtu/hr	sys#1

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	0.87	40 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

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

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Interior	6	188 ft²	Interior	84.4 ft²	Default Leakage	Interior	(Default)	(Default) %		

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Heating	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Venting	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]

Thermostat Schedule: HERS 2006 Reference

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

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS:	PERMIT #:
, fl,	

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.1.2	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	N1106.AB.1.2	Penetrations/openings > 1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	N1106.AB.1.2	Between walls & ceilings; penetrations of ceiling plane to top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	N1106.AB.1.2	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N1112.ABC.3 Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENGINEERING BY TRENCO
A MiTek Affiliate

Important Notice: If visually graded lumber is used for the trusses covered by these designs, see "SPIB Important Notice, Dated July 28, 2010" (reprinted at www.mii.com) before use. Trenco does not warrant third-party lumber design values.

RE: RSNJENK - JENKINS

Trenco
818 Soundside Rd
Edenton, NC 27932

Site Information:
Project Customer: ROSENBOOM CONSTRUCTION Project Name: JENKINS
Lot/Block: Subdivision:
Address: 18837 W US27
City: FT WHITE State: FL

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

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2007/TPI2002 Design Program: MiTek 20/20 7.2
Wind Code: ASCE 7-05 Wind Speed: 110 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 16 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.
This document processed per section 61G15-23.003 of the Florida Board of Professionals Rules

No.	Seal#	Truss Name	Date
1	E5886030	A1	11/11/010
2	E5886031	A2	11/11/010
3	E5886032	A3	11/11/010
4	E5886033	A4	11/11/010
5	E5886034	A5	11/11/010
6	E5886035	A6	11/11/010
7	E5886036	A7	11/11/010
8	E5886037	A8	11/11/010
9	E5886038	A	11/11/010
10	E5886039	B1	11/11/010
11	E5886040	B	11/11/010
12	E5886041	CJ09	11/11/010
13	E5886042	EJ7	11/11/010
14	E5886043	J01	11/11/010
15	E5886044	J03	11/11/010
16	E5886045	J05	11/11/010

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, 2011.

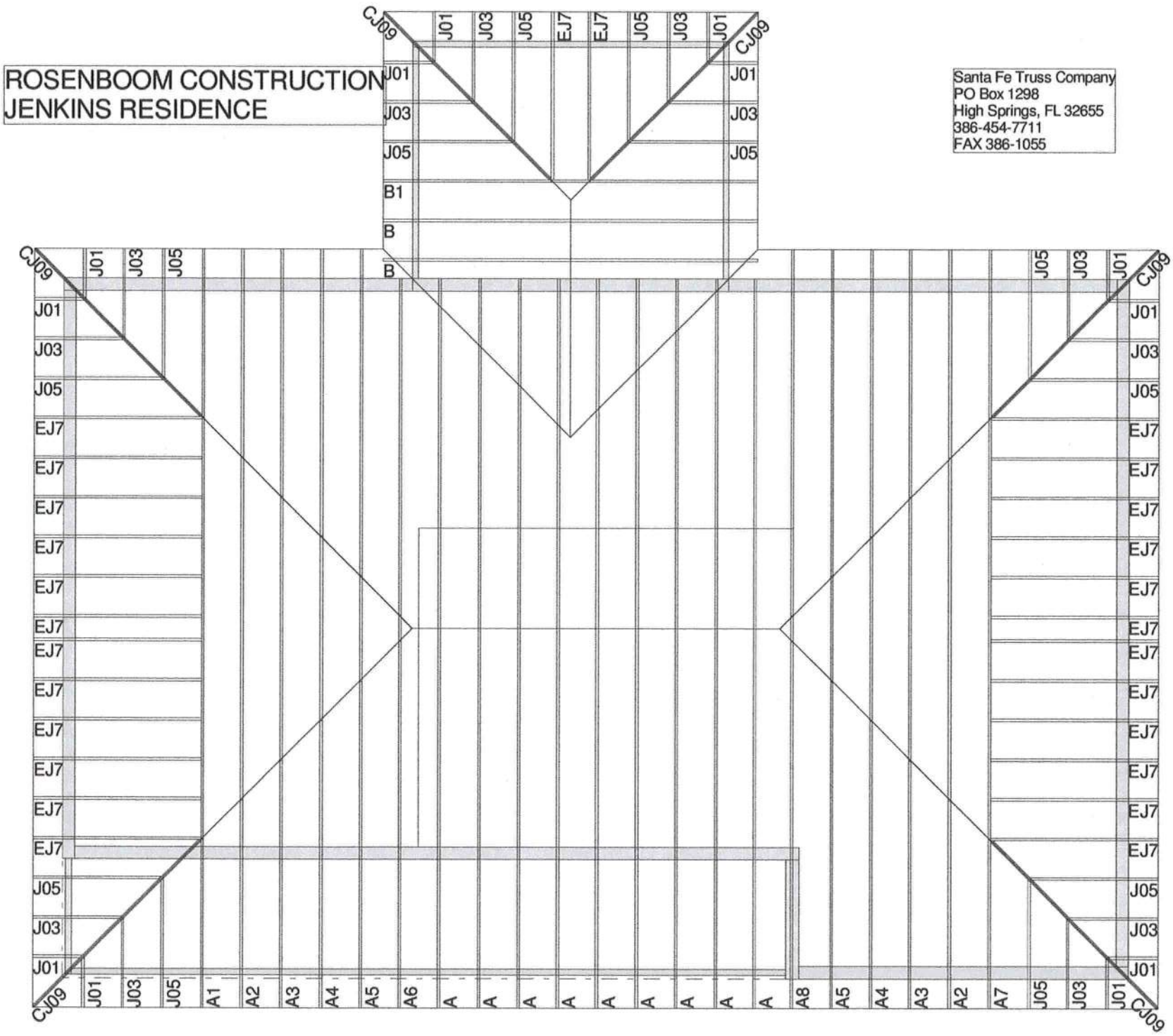
NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Chapter 2.

FL Cert. #7239

November 11,2010
Strzyzewski, Marvin

ROSENBOOM CONSTRUCTION
JENKINS RESIDENCE

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



Job	Truss	Truss Type	Qty	Ply	JENKINS	E5886030
RSNJENK	A1	HIP	1	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL — 7.250 s Sep 1 2010 MiTek Industries, Inc. Thu Nov 11 09:25:04 2010 Page 1

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-1-6-0 | 3-8-13 | 7-0-0 | 11-4-4 | 15-6-12 | 19-9-4 | 23-11-12 | 28-4-0 | 31-7-3 | 35-4-0 | 36-10-0

1-6-0 | 3-8-13 | 3-3-3 | 4-4-4 | 4-2-8 | 4-2-8 | 4-2-8 | 4-4-4 | 3-3-3 | 3-8-13 | 1-6-0

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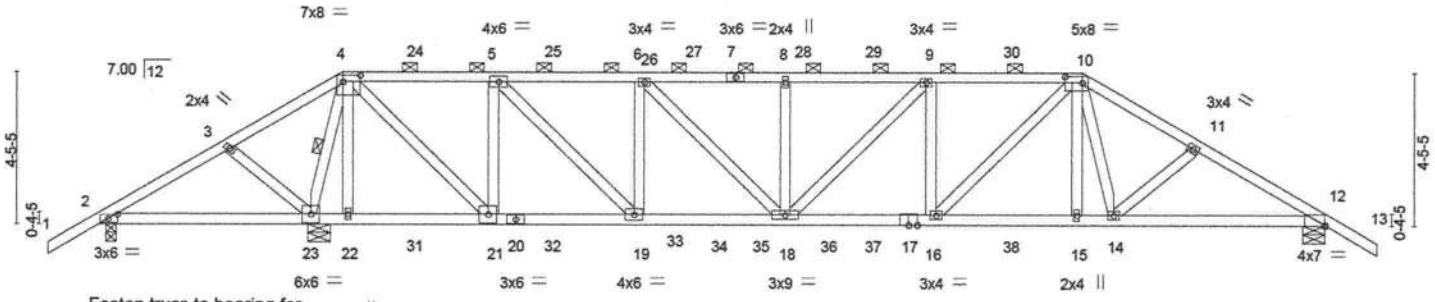

Fasten truss to bearing for the uplift reaction shown while permitting no upward movement of the bearing.

0-2-0 | 5-11-0 | 7-0-0 | 6-3-13 | 0-2-13 | 0-8-3 | 11-4-4 | 15-6-12 | 19-9-4 | 23-11-12 | 28-4-0 | 29-3-0 | 35-0-4 | 35-4-0

0-2-0 | 5-11-0 | 4-4-4 | 4-2-8 | 4-2-8 | 4-2-8 | 4-4-4 | 0-11-0 | 5-9-4 | 0-3-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.76	Vert(LL)	-0.17	18	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.76	Vert(TL)	-0.42	16-18	>819	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.76	Horz(TL)	0.09	12	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 210 lb	FT = 15%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3 *Except*
4-21,5-19,6-18,9-18,10-16: 2 X 4 SYP No.2

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-2-11 oc purlins, except 2-0-0 oc purlins (2-11-9 max.): 4-10.
BOT CHORD Rigid ceiling directly applied or 4-2-13 oc bracing.
WEBS 1 Row at midpt 4-23

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

REACTIONS (lb/size) 2=-909/0-3-8 (min. 0-1-8), 23=4660/0-7-10 (min. 0-5-8), 12=2190/0-7-10 (min. 0-2-9)
Max Horz 2=-114(LC 3)
Max Uplift 2=-1088(LC 8), 23=-1305(LC 4), 12=-567(LC 6)
Max Grav 2=255(LC 3), 23=4660(LC 1), 12=2192(LC 8)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-599/2254, 3-4=-613/2396, 4-24=-1344/429, 5-24=-1343/429, 5-25=-2877/850, 25-26=-2877/850, 6-26=-2877/850, 6-27=-3665/1060, 7-27=-3665/1060, 7-8=-3665/1060, 8-28=-3665/1060, 28-29=-3665/1060, 9-29=-3665/1060, 9-30=-3696/1055, 10-30=-3696/1055, 10-11=-3439/923, 11-12=-3553/907, 12-13=0/45
BOT CHORD 2-23=-1893/613, 22-23=-1096/371, 22-31=-1087/374, 21-31=-1087/374, 20-21=-366/1343, 20-32=-366/1343, 32-33=-366/1343, 19-33=-366/1343, 19-34=-760/2877, 34-35=-760/2877, 18-35=-760/2877, 18-36=-930/3696, 36-37=-930/3696, 17-37=-930/3696, 16-17=-930/3696, 16-38=-698/2948, 15-38=-698/2948, 14-15=-696/2931, 12-14=-703/2925
WEBS 3-23=-265/122, 4-23=-4302/1055, 4-22=0/361, 4-21=-936/3333, 5-21=-2076/694, 5-19=-591/2158, 6-19=-1328/476, 6-18=-295/1111, 8-18=-552/272, 9-18=-47/8, 9-16=-556/308, 10-16=-364/1084, 10-15=-63/542, 10-14=-24/111, 11-14=-106/128

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left exposed ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1088 lb uplift at joint 2, 1305 lb uplift at joint 23 and 567 lb uplift at joint 12.
7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

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

FL Cert. #7239

November 11,2010

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

Job	Truss	Truss Type	Qty	Ply	JENKINS
RSNJENK	A1	HIP	1	1	E5886030 Job Reference (optional)

NOTES

9) This truss has large uplift reaction(s) from gravity load case(s). Proper connection is required to secure truss against upward movement at the bearings. Building designer must provide for uplift reactions indicated.

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 181 lb down and 133 lb up at 7-0-0, 129 lb down and 88 lb up at 9-0-12, 129 lb down and 88 lb up at 11-0-12, 129 lb down and 88 lb up at 13-0-12, 129 lb down and 88 lb up at 15-0-12, 129 lb down and 88 lb up at 17-0-12, 129 lb down and 88 lb up at 18-3-4, 129 lb down and 88 lb up at 20-3-4, 129 lb down and 88 lb up at 22-3-4, 129 lb down and 88 lb up at 24-3-4, and 129 lb down and 88 lb up at 26-3-4, and 181 lb down and 133 lb up at 28-4-0 on top chord, and 408 lb down and 64 lb up at 7-0-0, 96 lb down at 9-0-12, 96 lb down at 11-0-12, 96 lb down at 13-0-12, 96 lb down at 15-0-12, 96 lb down at 17-0-12, 96 lb down at 18-3-4, 96 lb down at 20-3-4, 96 lb down at 22-3-4, 96 lb down at 24-3-4, and 96 lb down at 26-3-4, and 408 lb down and 64 lb up at 28-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

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

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-4=-60, 4-10=-60, 10-13=-60, 2-12=-20
   Concentrated Loads (lb)
   Vert: 4=-181(B) 7=-129(B) 10=-181(B) 22=-406(B) 21=-48(B) 5=-129(B) 9=-129(B) 16=-48(B) 15=-406(B) 24=-129(B) 25=-129(B) 26=-129(B) 27=-129(B) 28=-129(B) 29=-129(B) 30=-129(B) 31=-48(B) 32=-48(B) 33=-48(B) 34=-48(B) 35=-48(B) 36=-48(B) 37=-48(B) 38=-48(B)

Job	Truss	Truss Type	Qty	Ply	JENKINS	
RSNJENK	A2-Cond1	HIP	2	1	Job Reference (optional)	E5886031

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL — 7.250 s Sep 1 2010 MiTek Industries, Inc. Thu Nov 11 09:25:09 2010 Page 1

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1-6-0	6-3-13	2-8-3	5-9-5	5-9-5	5-9-5	2-8-3	6-3-13	1-6-0

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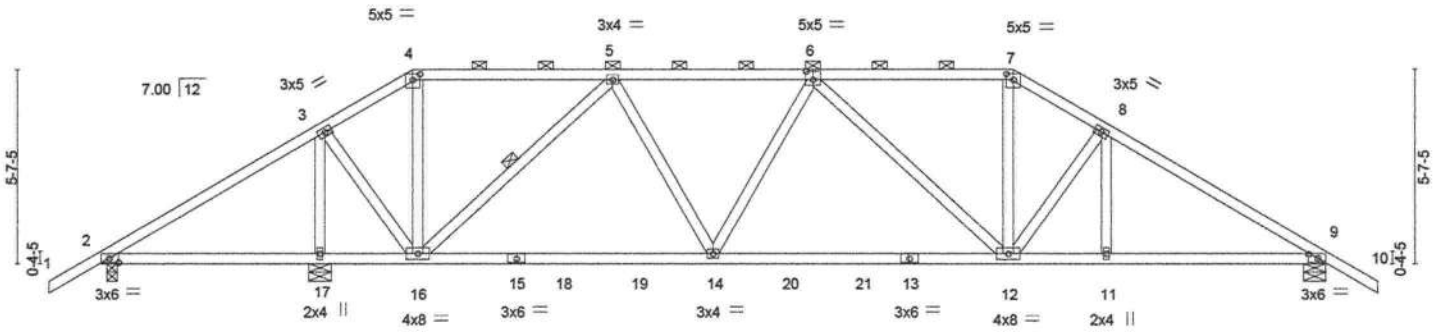


0-2-0	6-3-13	9-0-0	17-8-0	26-4-0	29-0-3	35-0-4	35-4-0
0-2-0	6-1-13	2-8-3	8-8-0	8-8-0	2-8-3	6-0-1	0-3-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.12	12-14	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.59	Vert(TL)	-0.32	12-14	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.51	Horz(TL)	0.05	9	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 193 lb	FT = 15%

LUMBER

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

BRACING [MCT]

TOP CHORD	Structural wood sheathing directly applied or 4-4-9 oc purlins, except 2-0-0 oc purlins (5-1-12 max.): 4-7.
BOT CHORD	Rigid ceiling directly applied or 6-0-0 oc bracing.
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=-22/0-3-8 (min. 0-1-8), 17=1945/0-7-10 (min. 0-2-5), 9=1247/0-7-10 (min. 0-1-8)
Max Horz 2=146(LC 4)
Max Uplift 2=-211(LC 8), 17=-414(LC 4), 9=-188(LC 3)
Max Grav 2=16(LC 7), 17=1945(LC 1), 9=1247(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD	1-2=0/45, 2-3=-145/753, 3-4=-353/85, 4-5=-248/75, 5-6=-1410/310, 6-7=-1318/296, 7-8=-1566/330, 8-9=-1817/316, 9-10=0/45
BOT CHORD	2-17=-577/201, 16-17=-577/201, 15-16=-211/1144, 15-18=-211/1144, 18-19=-211/1144, 14-19=-211/1144, 14-20=-227/1510, 20-21=-227/1510, 13-21=-227/1510, 12-13=-227/1510, 11-12=-187/1463, 9-11=-187/1463
WEBS	3-17=-1843/293, 3-16=-199/1322, 4-16=-47/43, 5-16=-1254/292, 5-14=-48/560, 6-14=-212/109, 6-12=-349/168, 7-12=-86/559, 8-12=-267/116, 8-11=0/149

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left exposed ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 211 lb uplift at joint 2, 414 lb uplift at joint 17 and 188 lb uplift at joint 9.
7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

FL Cert. #7239

November 11,2010

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

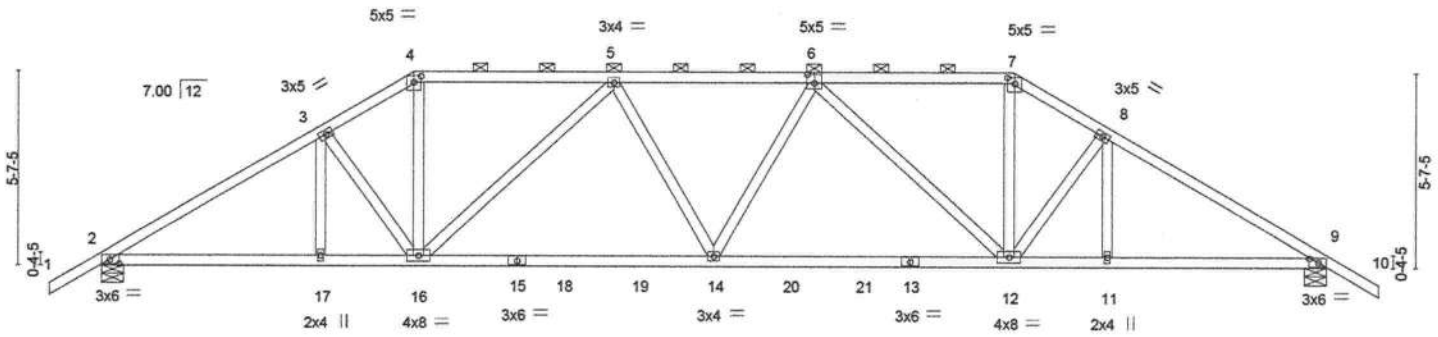
Job	Truss	Truss Type	Qty	Ply	JENKINS	
RSNJENK	A2-Cond2	HIP	2	1	Job Reference (optional)	E5886031

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL — 7.250 s Sep 1 2010 MiTek Industries, Inc. Thu Nov 11 09:25:09 2010 Page 1

ID:oMFTpTHc3Pi9CDY2MW9CjCyKJlu-oMFTpTHc3Pi9CDY2MW9CjCCgmlmTlaur_CVAPByKJlu

-1-6-0	6-3-13	9-0-0	14-9-5	20-6-11	26-4-0	29-0-3	35-4-0	36-10-0
1-6-0	6-3-13	2-8-3	5-9-5	5-9-5	5-9-5	2-8-3	6-3-13	1-6-0

Scale = 1:64.9



0-2-0	6-3-13	9-0-0	17-8-0	26-4-0	29-0-3	35-0-4	35-4-0
0-2-0	6-1-13	2-8-3	8-8-0	8-8-0	2-8-3	6-0-1	0-3-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.31	Vert(LL)	-0.19	14-16	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.73	Vert(TL)	-0.47	12-14	>889	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.86	Horz(TL)	0.13	9	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 193 lb	FT = 15%

LUMBER

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

BRACING [MCT]

TOP CHORD Structural wood sheathing directly applied or 3-8-12 oc purlins, except 2-0-0 oc purlins (3-10-3 max.): 4-7.
BOT CHORD Rigid ceiling directly applied or 9-8-3 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=1583/0-7-10 (min. 0-1-14), 9=1583/0-7-10 (min. 0-1-14)
Max Horz 2=146(LC 4)
Max Uplift 2=-215(LC 4), 9=-215(LC 3)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-2450/367, 3-4=-2204/381, 4-5=-1879/341, 5-6=-2506/397, 6-7=-1879/341, 7-8=-2204/381, 8-9=-2450/367, 9-10=0/45
BOT CHORD 2-17=-376/2001, 16-17=-376/2001, 15-16=-424/2423, 15-18=-424/2423, 18-19=-424/2423, 14-19=-424/2423, 14-20=-379/2423, 20-21=-379/2423, 13-21=-379/2423, 12-13=-379/2423, 11-12=-230/2001, 9-11=-230/2001
WEBS 3-17=0/146, 3-16=-245/115, 4-16=-112/877, 5-16=-810/249, 5-14=-16/220, 6-14=-16/220, 6-12=-810/249, 7-12=-112/877, 8-12=-245/115, 8-11=0/146

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 lb uplift at joint 2 and 215 lb uplift at joint 9.
7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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

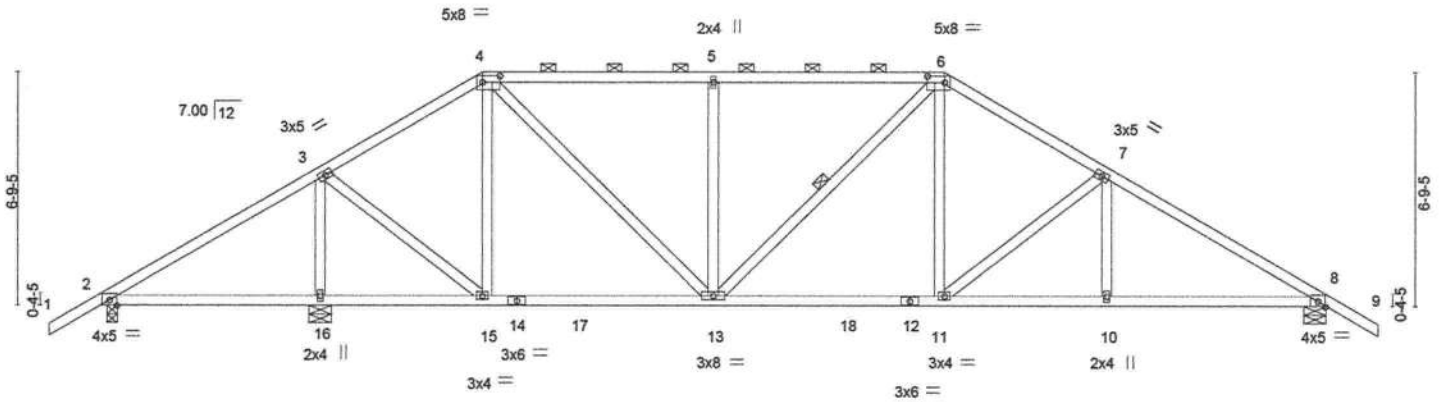
Job	Truss	Truss Type	Qty	Ply	JENKINS	
RSNJENK	A3-Cond1	HIP	2	1	Job Reference (optional)	E5886032

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL — 7.250 s Sep 1 2010 MiTek Industries, Inc. Thu Nov 11 09:25:14 2010 Page 1

ID:9K2MsBLkuyKRJ_Q?93INQFyKJIp-9K2MsBLkuyKRJ_Q?93INQFvU2JYQQxVa8UCx5PyKJIp

-1-6-0	6-3-13	11-0-0	17-8-0	24-4-0	29-0-3	35-4-0	36-10-0
1-6-0	6-3-13	4-8-3	6-8-0	6-8-0	4-8-3	6-3-13	1-6-0

Scale = 1:64.9



0-2-0	6-3-13	11-0-0	17-8-0	24-4-0	29-0-3	35-0-4	35-4-0
0-2-0	6-1-13	4-8-3	6-8-0	6-8-0	4-8-3	6-0-1	0-3-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	-0.09	11-13	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.43	Vert(TL)	-0.20	11-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 197 lb	FT = 15%

LUMBER

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

BRACING [MCT]

TOP CHORD Structural wood sheathing directly applied or 4-3-7 oc purlins, except 2-0-0 oc purlins (5-2-4 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 6-13

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

REACTIONS (lb/size) 2=130/0-3-8 (min. 0-1-8), 16=1785/0-7-10 (min. 0-2-2), 8=1295/0-7-10 (min. 0-1-8)
Max Horz 2=178(LC 4)
Max Uplift 2=-159(LC 5), 16=-330(LC 4), 8=-202(LC 6)
Max Grav 2=167(LC 7), 16=1785(LC 1), 8=1295(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-102/459, 3-4=-828/157, 4-5=-1279/281, 5-6=-1279/281, 6-7=-1535/285, 7-8=-1915/278, 8-9=0/45
BOT CHORD 2-16=-325/155, 15-16=-325/155, 14-15=-109/630, 14-17=-109/630, 13-17=-109/630, 13-18=-81/1266, 12-18=-81/1266, 11-12=-81/1266, 10-11=-155/1549, 8-10=-155/1549
WEBS 3-16=-1654/243, 3-15=-123/1197, 4-15=-541/124, 4-13=-214/925, 5-13=-461/201, 6-13=-146/143, 6-11=-48/429, 7-11=-370/133, 7-10=0/226

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left exposed ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 159 lb uplift at joint 2, 330 lb uplift at joint 16 and 202 lb uplift at joint 8.
7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

FL Cert. #7239

November 11,2010

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

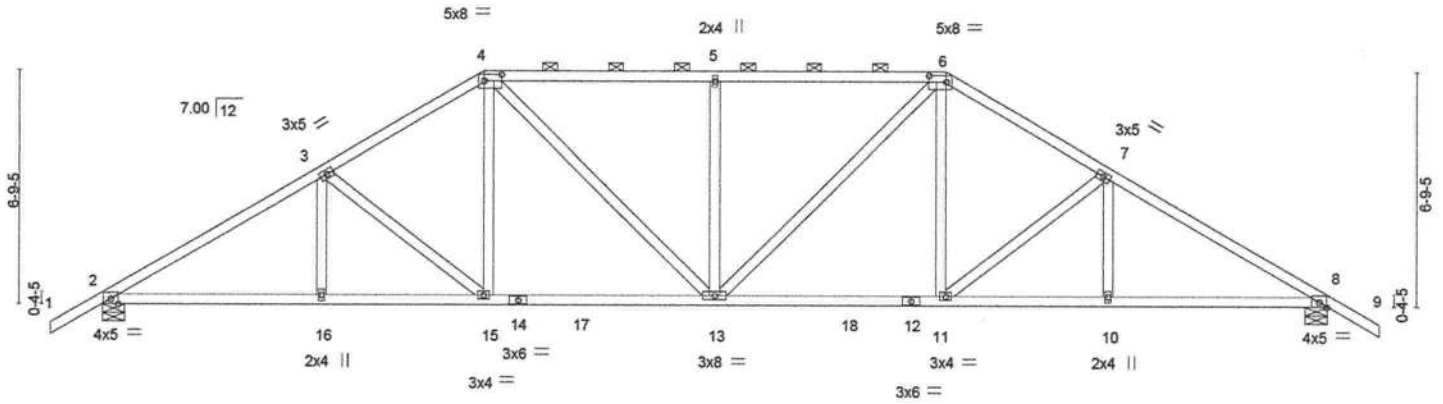
Job	Truss	Truss Type	Qty	Ply	JENKINS	
RSNJENK	A3-Cond2	HIP	2	1	Job Reference (optional)	E5886032

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL — 7.250 s Sep 1 2010 MiTek Industries, Inc. Thu Nov 11 09:25:14 2010 Page 1

ID:9K2MsBLkuyKRJ_Q?93INQFyKJIp-9K2MsBLkuyKRJ_Q?93INQFvUuJW3QzFa8UCx5PyKJIp

-1-6-0	6-3-13	11-0-0	17-8-0	24-4-0	29-0-3	35-4-0	36-10-0
1-6-0	6-3-13	4-8-3	6-8-0	6-8-0	4-8-3	6-3-13	1-6-0

Scale = 1:64.9



0-2-0	6-3-13	11-0-0	17-8-0	24-4-0	29-0-3	35-0-4	35-4-0
0-2-0	6-1-13	4-8-3	6-8-0	6-8-0	4-8-3	6-0-1	0-3-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	-0.14	11-13	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.32	11-13	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.34	Horz(TL)	0.12	8	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 197 lb	FT = 15%

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

BRACING [MCT]
TOP CHORD Structural wood sheathing directly applied or 3-8-9 oc purlins, except 2-0-0 oc purlins (3-11-15 max.): 4-6.
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=1603/0-7-10 (min. 0-1-14), 8=1603/0-7-10 (min. 0-1-14)
Max Horz 2=178(LC 4)
Max Uplift 2=-212(LC 5), 8=-212(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-2495/284, 3-4=-2125/292, 4-5=-2102/291, 5-6=-2102/291, 6-7=-2125/293, 7-8=-2495/285, 8-9=0/45
BOT CHORD 2-16=-339/2041, 15-16=-339/2041, 14-15=-266/1775, 14-17=-266/1775, 13-17=-266/1775, 13-18=-136/1775, 12-18=-136/1775, 11-12=-136/1775, 10-11=-161/2041, 8-10=-161/2041
WEBS 3-16=0/224, 3-15=-352/132, 4-15=-48/420, 4-13=-203/550, 5-13=-456/200, 6-13=-203/550, 6-11=-48/420, 7-11=-352/132, 7-10=0/224

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 212 lb uplift at joint 2 and 212 lb uplift at joint 8.
7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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

Job	Truss	Truss Type	Qty	Ply	JENKINS	
RSNJENK	A4-Cond1	HIP	2	1	Job Reference (optional)	E5886033

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL — 7.250 s Sep 1 2010 MiTek Industries, Inc. Thu Nov 11 09:25:19 2010 Page 1

ID:VHsFvuPtiUykPlJzycKY7JyKJlk-VHsFvuPtiUykPlJzycKY7JdLYKB35C3JImwimcyKJlk

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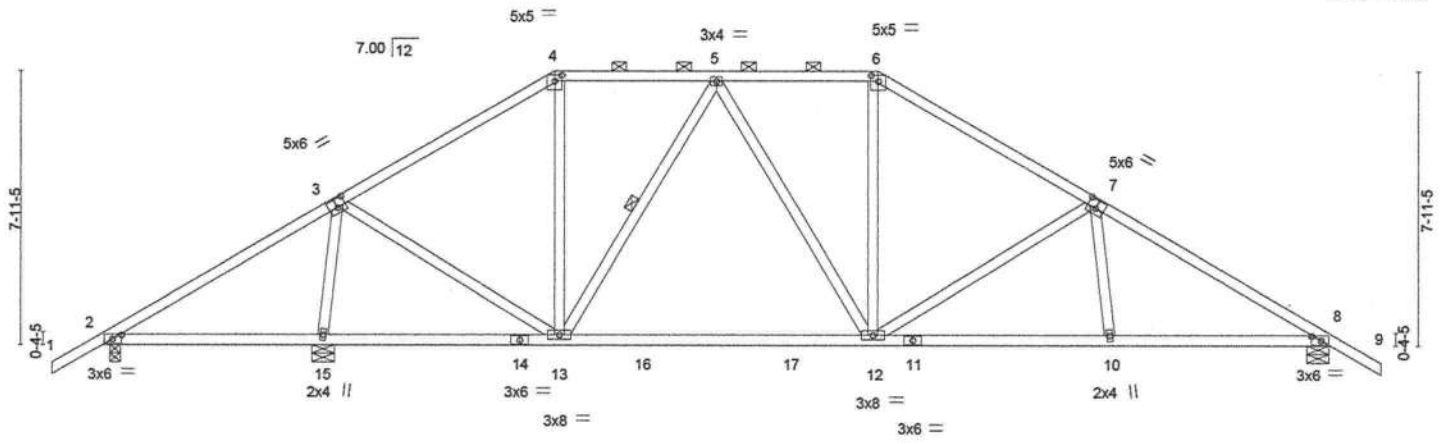
1-6-0	6-8-13	6-3-3	4-8-0	4-8-0	6-3-3	6-8-13	1-6-0

Scale = 1:64.9



0-2-0	6-3-13	13-0-0	22-4-0	29-0-3	35-0-4	35-4-0
0-2-0	6-1-13	6-8-3	9-4-0	6-8-3	6-0-1	0-3-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.42	Vert(LL)	0.08	2-15	>984	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.72	Vert(TL)	-0.49	12-13	>696	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.50	Horz(TL)	0.05	8	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 197 lb	FT = 15%

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

BRACING [MCT]
TOP CHORD Structural wood sheathing directly applied or 4-3-12 oc purlins, except 2-0-0 oc purlins (5-9-15 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-13

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

REACTIONS (lb/size) 2=140/0-3-8 (min. 0-1-8), 15=1745/0-7-10 (min. 0-2-1), 8=1282/0-7-10 (min. 0-1-8)
Max Horz 2=211(LC 4)
Max Uplift 2=-152(LC 5), 15=-271(LC 4), 8=-213(LC 6)
Max Grav 2=189(LC 7), 15=1745(LC 1), 8=1282(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-106/455, 3-4=-1008/147, 4-5=-778/141, 5-6=-1136/213, 6-7=-1415/214, 7-8=-1891/217, 8-9=0/45
BOT CHORD 2-15=-305/158, 14-15=-189/161, 13-14=-189/161, 13-16=-103/1041, 16-17=-103/1041, 12-17=-103/1041, 11-12=-106/1522, 10-11=-106/1522, 8-10=-103/1531
WEBS 3-15=-1631/201, 3-13=-68/1075, 4-13=-57/224, 5-13=-564/177, 5-12=-41/213, 6-12=-10/357, 7-12=-462/173, 7-10=0/254

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left exposed ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 152 lb uplift at joint 2, 271 lb uplift at joint 15 and 213 lb uplift at joint 8.
7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

FL Cert. #7239

November 11,2010

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

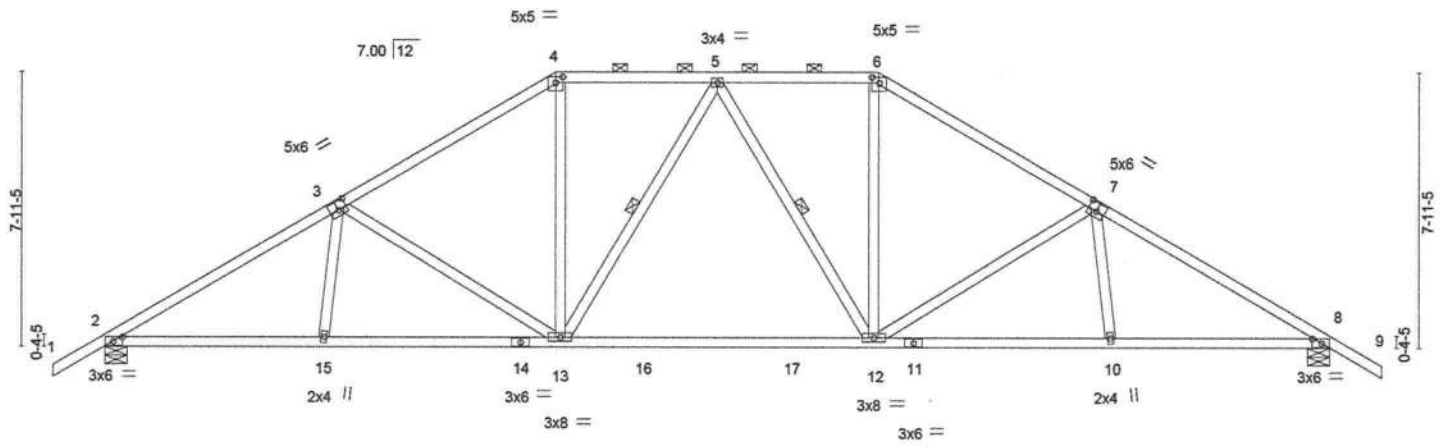
Job	Truss	Truss Type	Qty	Ply	JENKINS
RSNJENK	A4-Cond2	HIP	2	1	E5886033
					Job Reference (optional)

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL — 7.250 s Sep 1 2010 MiTek Industries, Inc. Thu Nov 11 09:25:19 2010 Page 1

ID:VHsFvuPtiUykPlJzycKY7JyKJlk-VHsFvuPtiUykPlJzycKY7JdMsKAt5DvJlmwimcyKJlk

-1-6-0	6-8-13	13-0-0	17-8-0	22-4-0	28-7-3	35-4-0	36-10-0
1-6-0	6-8-13	6-3-3	4-8-0	4-8-0	6-3-3	6-8-13	1-6-0

Scale = 1:64.9



0-2-0	6-3-13	13-0-0	22-4-0	29-0-3	35-0-4	35-4-0
0-2-0	6-1-13	6-8-3	9-4-0	6-8-3	6-0-1	0-3-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.34	Vert(LL)	-0.33	12-13	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.79	Vert(TL)	-0.62	12-13	>672	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.44	Horz(TL)	0.12	8	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 197 lb	FT = 15%

LUMBER

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

BRACING [MCT]

TOP CHORD Structural wood sheathing directly applied or 3-8-14 oc purlins, except 2-0-0 oc purlins (4-10-1 max.): 4-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 5-13, 5-12

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

REACTIONS (lb/size) 2=1582/0-7-10 (min. 0-1-14), 8=1582/0-7-10 (min. 0-1-14)
Max Horz 2=211(LC 4)
Max Uplift 2=-224(LC 5), 8=-224(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-2458/231, 3-4=-1993/210, 4-5=-1640/219, 5-6=-1640/219, 6-7=-1993/210, 7-8=-2458/231, 8-9=0/45
BOT CHORD 2-15=-295/2014, 14-15=-298/2004, 13-14=-298/2004, 13-16=-174/1722, 16-17=-174/1722, 12-17=-174/1722, 11-12=-88/2004, 10-11=-88/2004, 8-10=-85/2014
WEBS 3-15=0/254, 3-13=-447/173, 4-13=-38/644, 5-13=-282/187, 5-12=-282/187, 6-12=-38/644, 7-12=-447/173, 7-10=0/254

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 224 lb uplift at joint 2 and 224 lb uplift at joint 8.
7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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

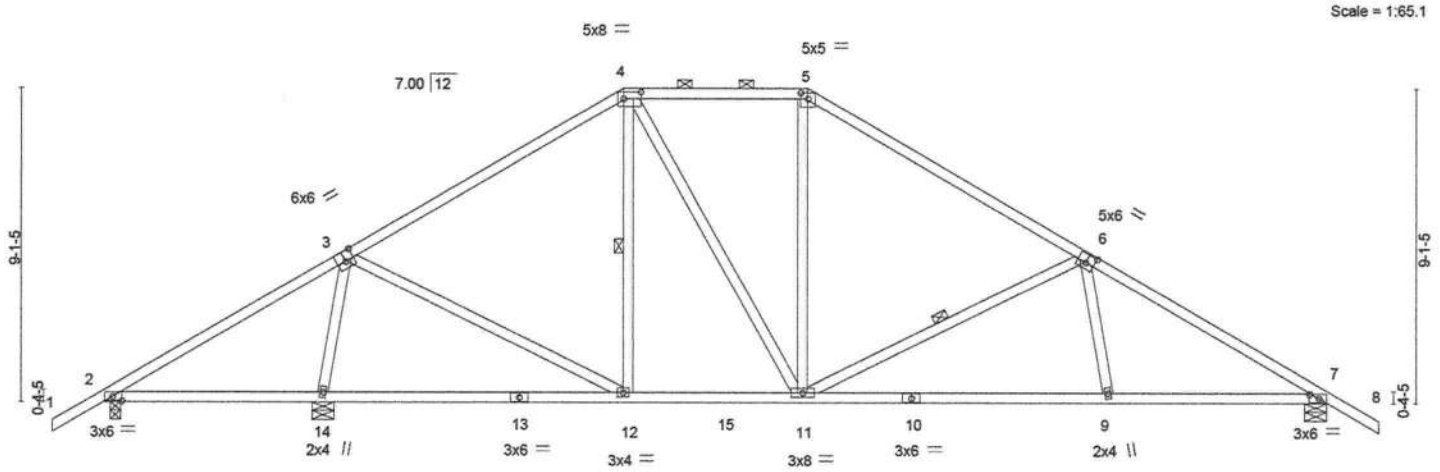
Job	Truss	Truss Type	Qty	Ply	JENKINS	
RSNJENK	A5-Cond1	HIP	2	1	Job Reference (optional)	E5886034

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL — 7.250 s Sep 1 2010 MiTek Industries, Inc. Thu Nov 11 09:25:22 2010 Page 1

ID:wsXOYwRI?PKJGD1YdluFlxyKJIh-wsXOYwRI?PKJGD1YdluFlxFn7YE5IZtm_j8MNxyKJIh

-1-6-0	6-11-10	15-0-0	20-4-0	28-4-6	35-4-0	36-10-0
1-6-0	6-11-10	8-0-6	5-4-0	8-0-6	6-11-10	1-6-0

Scale = 1:65.1



0-2-0	6-3-13	15-0-0	20-4-0	29-0-3	35-0-4	35-4-0
0-2-0	6-1-13	8-8-3	5-4-0	8-8-3	6-0-1	0-3-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.72	Vert(LL)	0.08	2-14	>979	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.63	Vert(TL)	-0.38	9-11	>911	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.49	Horz(TL)	0.04	7	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 196 lb	FT = 15%

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

BRACING [MCT]
TOP CHORD Structural wood sheathing directly applied or 4-1-4 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 4-12, 6-11

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

REACTIONS (lb/size) 2=173/0-3-8 (min. 0-1-8), 14=1675/0-7-10 (min. 0-2-0), 7=1261/0-7-10 (min. 0-1-8)
Max Horz 2=243(LC 4)
Max Uplift 2=-144(LC 5), 14=-276(LC 5), 7=-223(LC 6)
Max Grav 2=218(LC 7), 14=1675(LC 1), 7=1261(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-117/367, 3-4=-1066/178, 4-5=-958/218, 5-6=-1240/196, 6-7=-1891/229, 7-8=0/45
BOT CHORD 2-14=-211/141, 13-14=-122/158, 12-13=-122/158, 12-15=-59/800, 11-15=-59/800, 10-11=-84/1511, 9-10=-84/1511, 7-9=-76/1535
WEBS 3-14=-1510/244, 3-12=-10/880, 4-12=-174/54, 4-11=-123/383, 5-11=-18/261, 6-11=-621/213, 6-9=0/342

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left exposed ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 144 lb uplift at joint 2, 276 lb uplift at joint 14 and 223 lb uplift at joint 7.
7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

FL Cert. #7239

November 11,2010

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

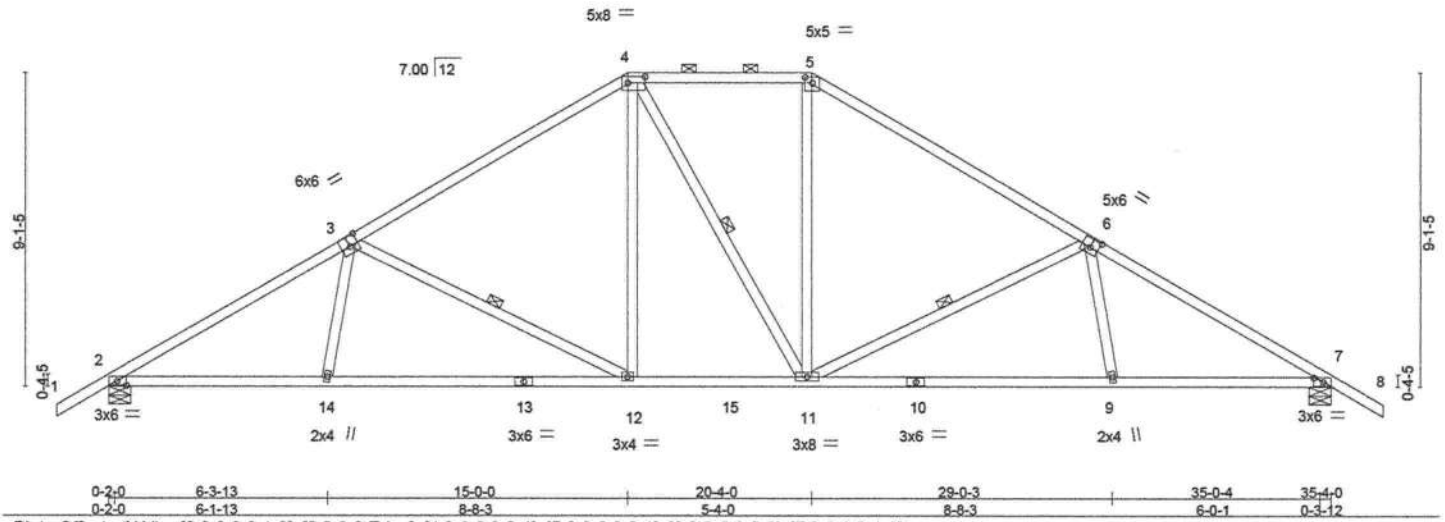
Job	Truss	Truss Type	Qty	Ply	JENKINS	
RSNJENK	A5-Cond2	HIP	2	1	Job Reference (optional)	E5886034

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL — 7.250 s Sep 1 2010 MiTek Industries, Inc. Thu Nov 11 09:25:22 2010 Page 1

ID:wsXOYwRI?PKJGD1YdluFlxyKJIh-wsXOYwRI?PKJGD1YdluFlxFp3YDGIdlm_j8MNxyKJIh

-1-6-0	6-11-10	15-0-0	20-4-0	28-4-6	35-4-0	36-10-0
1-6-0	6-11-10	8-0-6	5-4-0	8-0-6	6-11-10	1-6-0

Scale = 1:65.1



0-2-0	6-3-13	15-0-0	20-4-0	29-0-3	35-0-4	35-4-0
0-2-0	6-1-13	8-8-3	5-4-0	8-8-3	6-0-1	0-3-12

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.60	Vert(LL)	-0.16	12-14	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.69	Vert(TL)	-0.46	12-14	>903	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.12	7	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 196 lb	FT = 15%

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

BRACING [MCT]
TOP CHORD Structural wood sheathing directly applied or 3-6-10 oc purlins, except 2-0-0 oc purlins (5-1-12 max.): 4-5.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 3-12, 4-11, 6-11

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

REACTIONS (lb/size) 2=1556/0-7-10 (min. 0-1-13), 7=1549/0-7-10 (min. 0-1-13)
Max Horz 2=243(LC 4)
Max Uplift 2=-235(LC 5), 7=-235(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-2449/252, 3-4=-1810/220, 4-5=-1442/238, 5-6=-1796/220, 6-7=-2435/253, 7-8=0/45
BOT CHORD 2-14=-243/2010, 13-14=-250/1985, 12-13=-250/1985, 12-15=-109/1455, 11-15=-109/1455, 10-11=-104/1974, 9-10=-104/1974, 7-9=-96/1998
WEBS 3-14=0/341, 3-12=-607/212, 4-12=-54/490, 4-11=-186/152, 5-11=-51/468, 6-11=-608/212, 6-9=0/340

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 235 lb uplift at joint 2 and 235 lb uplift at joint 7.
7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

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

Job	Truss	Truss Type	Qty	Ply	JENKINS	E5886035
RSNJENK	A6	HIP	1	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL — 7.250 s Sep 1 2010 MiTek Industries, Inc. Thu Nov 11 09:25:23 2010 Page 1

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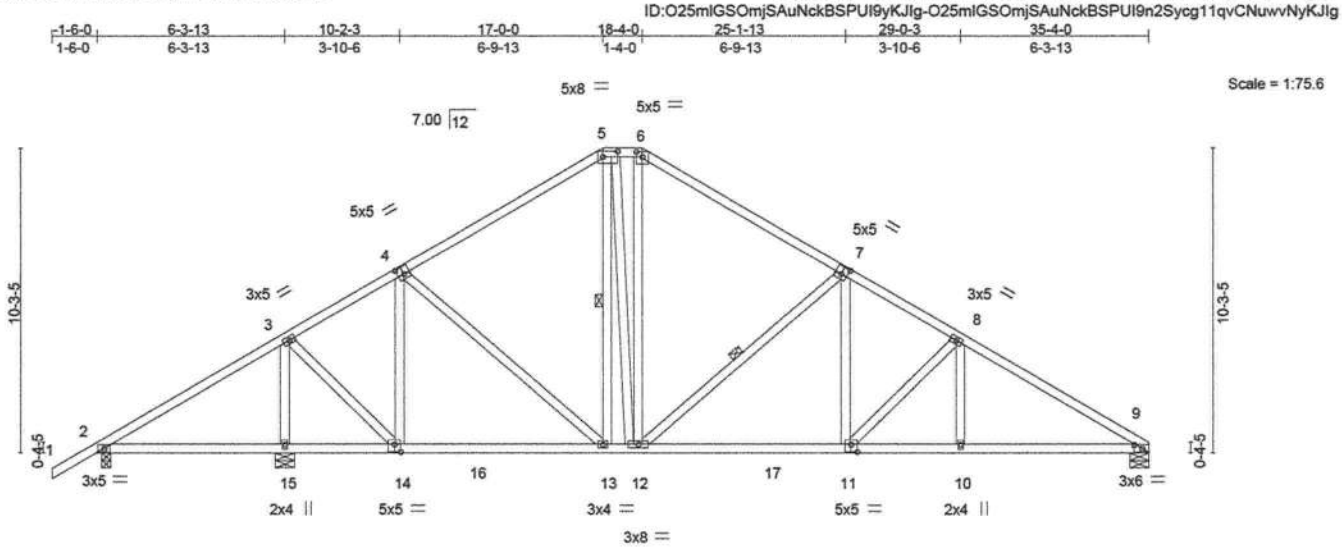


Plate Offsets (X,Y): [4:0-2-8,0-3-0], [5:0-6-0,0-2-4], [6:0-2-8,0-2-1], [7:0-2-8,0-3-0], [9:0-3-3,0-1-8], [11:0-2-8,0-3-0], [14:0-2-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.36	Vert(LL)	-0.09	11-12	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.22	11-12	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.05	9	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 228 lb	FT = 15%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-2-1 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 5-6.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing, Except: 6-0-0 oc bracing: 2-15,14-15.
WEBS 1 Row at midpt 5-13, 7-12

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

REACTIONS (lb/size) 2=156/0-3-8 (min. 0-1-8), 15=1751/0-7-10 (min. 0-2-1), 9=1185/0-7-10 (min. 0-1-8)
Max Horz 2=292(LC 4)
Max Uplift 2=-131(LC 5), 15=-303(LC 5), 9=-152(LC 6)
Max Grav 2=210(LC 7), 15=1751(LC 1), 9=1185(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-134/415, 3-4=-731/139, 4-5=-1026/217, 5-6=-826/221, 6-7=-1061/205, 7-8=-1613/250, 8-9=-1939/251
BOT CHORD 2-15=-272/139, 14-15=-272/139, 14-16=-87/592, 13-16=-87/592, 12-13=-11/791, 12-17=-53/1344, 11-17=-53/1344, 10-11=-136/1570, 9-10=-136/1570
WEBS 3-15=-1629/224, 3-14=-61/1189, 4-14=-639/100, 4-13=-43/310, 5-13=-74/34, 5-12=-153/418, 6-12=-70/301, 7-12=-696/203, 7-11=-42/418, 8-11=-311/116, 8-10=0/203

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left exposed ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 131 lb uplift at joint 2, 303 lb uplift at joint 15 and 152 lb uplift at joint 9.
7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

FL Cert. #7239

November 11,2010

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

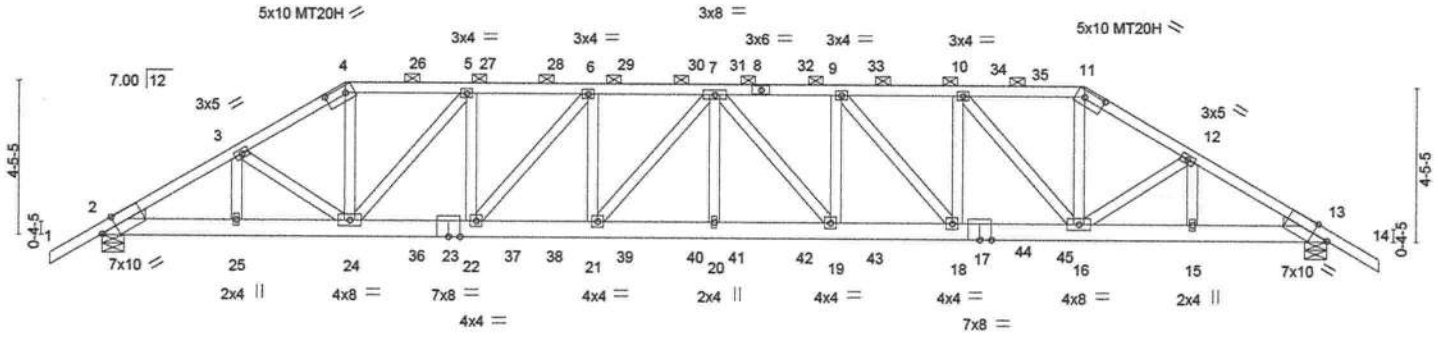
Job	Truss	Truss Type	Qty	Ply	JENKINS	
RSNJENK	A7	HIP	1	1	Job Reference (optional)	E5886036

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL — 7.250 s Sep 1 2010 MiTek Industries, Inc. Thu Nov 11 09:25:25 2010 Page 1

ID:KRDWAxUeIKjt7gm7ItRyNayKJIe-KRDWAxUeIKjt7gm7ItRyNatHolA3Vo6CghN1zGyKJIe

-1-6-0	3-10-8	7-0-0	10-7-13	14-1-15	17-8-0	21-2-1	24-8-3	28-4-0	31-5-8	35-4-0	36-10-0
1-6-0	3-10-8	3-1-8	3-7-13	3-6-1	3-6-1	3-6-1	3-6-1	3-7-13	3-1-8	3-10-8	1-6-0

Scale = 1:64.9



3-10-8	7-0-0	10-7-13	14-1-15	17-8-0	21-2-1	24-8-3	28-4-0	31-5-8	35-4-0
3-10-8	3-1-8	3-7-13	3-6-1	3-6-1	3-6-1	3-6-1	3-7-13	3-1-8	3-10-8

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

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.82	Vert(LL)	-0.31	20	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	1.00	Vert(TL)	-0.80	20	>519	180	MT20H	187/143
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.97	Horz(TL)	0.22	13	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 244 lb	FT = 15%

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3
WEDGE
Left: 2 X 4 SYP No.3, Right: 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-7-3 oc purlins, except 2-0-0 oc purlins (2-2-10 max.): 4-11.
BOT CHORD Rigid ceiling directly applied or 6-0-3 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=2969/0-7-10 (min. 0-3-8), 13=2969/0-7-10 (min. 0-3-8)
Max Horz 2=-111(LC 3)
Max Uplift 2=-745(LC 5), 13=-745(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/49, 2-3=-5023/1239, 3-4=-4983/1296, 4-26=-4348/1153, 5-26=-4347/1153, 5-27=-5626/1500, 27-28=-5626/1500, 6-28=-5626/1500, 6-29=-6418/1703, 29-30=-6418/1703, 7-30=-6418/1703, 7-31=-6418/1703, 8-31=-6418/1703, 8-32=-6418/1703, 9-32=-6418/1703, 9-33=-5626/1501, 33-34=-5626/1501, 10-34=-5626/1501, 10-35=-4347/1153, 11-35=-4348/1153, 11-12=-4983/1296, 12-13=-5023/1240, 13-14=0/49
BOT CHORD 2-25=-1103/4205, 24-25=-1103/4205, 24-36=-1487/5626, 23-36=-1487/5626, 22-23=-1487/5626, 22-37=-1690/6418, 37-38=-1690/6418, 21-38=-1690/6418, 21-39=-1754/6711, 39-40=-1754/6711, 20-40=-1754/6711, 20-41=-1754/6711, 41-42=-1754/6711, 19-42=-1754/6711, 19-43=-1647/6418, 43-44=-1647/6418, 18-44=-1647/6418, 17-18=-1403/5626, 17-45=-1403/5626, 16-45=-1403/5626, 15-16=-994/4205, 13-15=-994/4205
WEBS 3-25=-93/73, 3-24=-156/190, 4-24=-457/2052, 5-24=-1995/601, 5-22=-224/1057, 6-22=-1244/374, 6-21=-77/566, 7-21=-480/164, 7-20=0/351, 7-19=-480/164, 9-19=-77/566, 9-18=-1244/374, 10-18=-224/1057, 10-16=-1995/600, 11-16=-457/2052, 12-16=-158/190, 12-15=-93/72

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
3) Provide adequate drainage to prevent water ponding.
4) All plates are MT20 plates unless otherwise indicated.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 745 lb uplift at joint 2 and 745 lb uplift at joint 13.
8) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
9) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

Continued on page 2

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Edenton, NC 27932

NOTES

10) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 181 lb down and 133 lb up at 7-0-0, 129 lb down and 88 lb up at 9-0-12, 129 lb down and 88 lb up at 11-0-12, 129 lb down and 88 lb up at 13-0-12, 129 lb down and 88 lb up at 15-0-12, 129 lb down and 88 lb up at 17-0-12, 129 lb down and 88 lb up at 18-3-4, 129 lb down and 88 lb up at 20-3-4, 129 lb down and 88 lb up at 22-3-4, 129 lb down and 88 lb up at 24-3-4, and 129 lb down and 88 lb up at 26-3-4, and 181 lb down and 133 lb up at 28-4-0 on top chord, and 408 lb down and 64 lb up at 7-0-0, 96 lb down at 9-0-12, 96 lb down at 11-0-12, 96 lb down at 13-0-12, 96 lb down at 15-0-12, 96 lb down at 17-0-12, 96 lb down at 18-3-4, 96 lb down at 20-3-4, 96 lb down at 22-3-4, 96 lb down at 24-3-4, and 96 lb down at 26-3-4, and 408 lb down and 64 lb up at 28-3-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
11) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
      Vert: 1-4=-60, 4-11=-60, 11-14=-60, 2-13=-20
   Concentrated Loads (lb)
      Vert: 4=-181(F) 11=-181(F) 24=-406(F) 16=-406(F) 26=-129(F) 27=-129(F) 28=-129(F) 29=-129(F) 30=-129(F) 31=-129(F) 32=-129(F) 33=-129(F) 34=-129(F) 35=-129(F) 36=-48(F) 37=-48(F) 38=-48(F) 39=-48(F) 40=-48(F) 41=-48(F) 42=-48(F) 43=-48(F) 44=-48(F) 45=-48(F)

Job	Truss	Truss Type	Qty	Ply	JENKINS	
RSNJENK	A8	SPECIAL	1	1	Job Reference (optional)	E5886037

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

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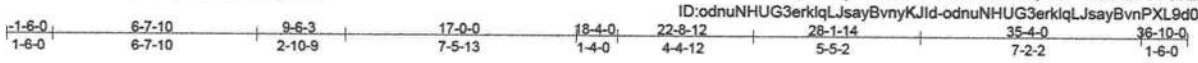

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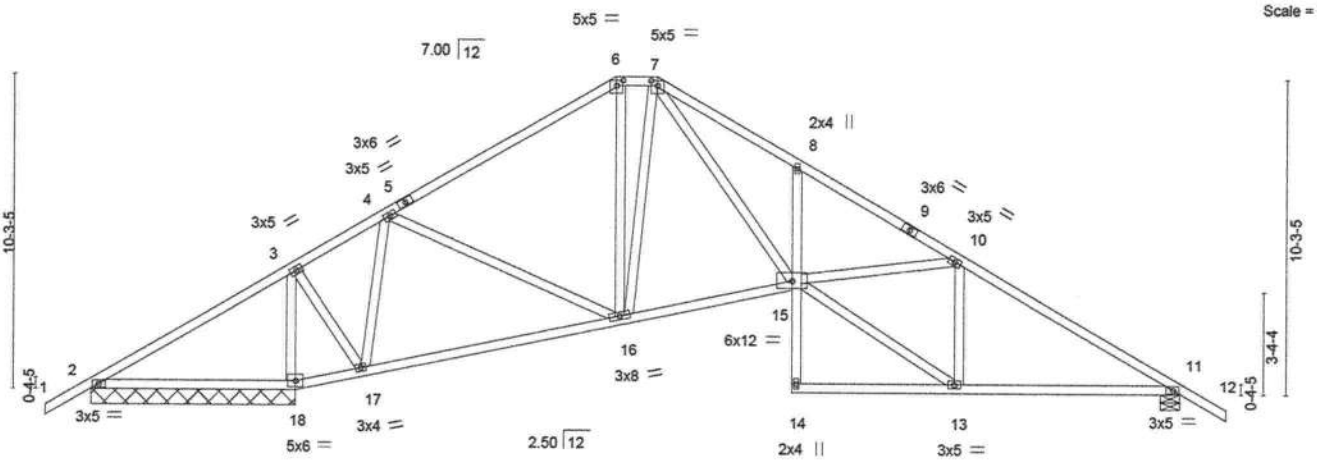

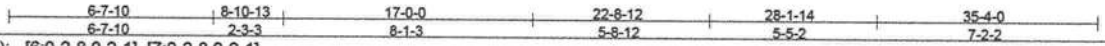

Plate Offsets (X,Y): [6:0-2-8,0-2-1], [7:0-2-8,0-2-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	-0.10	16-17	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.51	Vert(TL)	-0.28	16-17	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.54	Horz(TL)	0.12	11	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 216 lb	FT = 15%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
8-14: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 4-0-14 oc purlins, except 2-0-0 oc purlins (6-0-0 max.): 6-7.
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) 2=-116/6-7-10 (min. 0-2-3), 18=1981/6-7-10 (min. 0-2-3), 11=1135/0-7-10 (min. 0-1-8)
Max Horz 2=276(LC 4)
Max Uplift 2=-256(LC 8), 18=-227(LC 5), 11=-226(LC 6)
Max Grav 2=50(LC 7), 18=1981(LC 1), 11=1135(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/44, 2-3=-118/970, 3-4=-91/199, 4-5=-967/115, 5-6=-948/161, 6-7=-735/167, 7-8=-1993/288, 8-9=-1908/184, 9-10=-2000/155, 10-11=-1594/229, 11-12=0/45
BOT CHORD 2-18=-747/176, 17-18=-833/187, 16-17=-161/245, 15-16=0/811, 14-15=0/79, 8-15=-292/153, 13-14=-0/15, 11-13=-66/1269
WEBS 3-18=-1711/221, 3-17=-91/1273, 4-17=-1124/135, 4-16=0/727, 6-16=-79/214, 7-16=-482/114, 7-15=-187/1528, 13-15=-77/1486, 10-15=-33/384, 10-13=-641/77

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); Lumber DOL=1.60 plate grip DOL=1.60
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 256 lb uplift at joint 2, 227 lb uplift at joint 18 and 226 lb uplift at joint 11.
7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

LOAD CASE(S) Standard

FL Cert. #7239

November 11,2010

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818 Soundside Road
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Job	Truss	Truss Type	Qty	Ply	JENKINS	E5886038
RSNJENK	A	SPECIAL	9	1	Job Reference (optional)	

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

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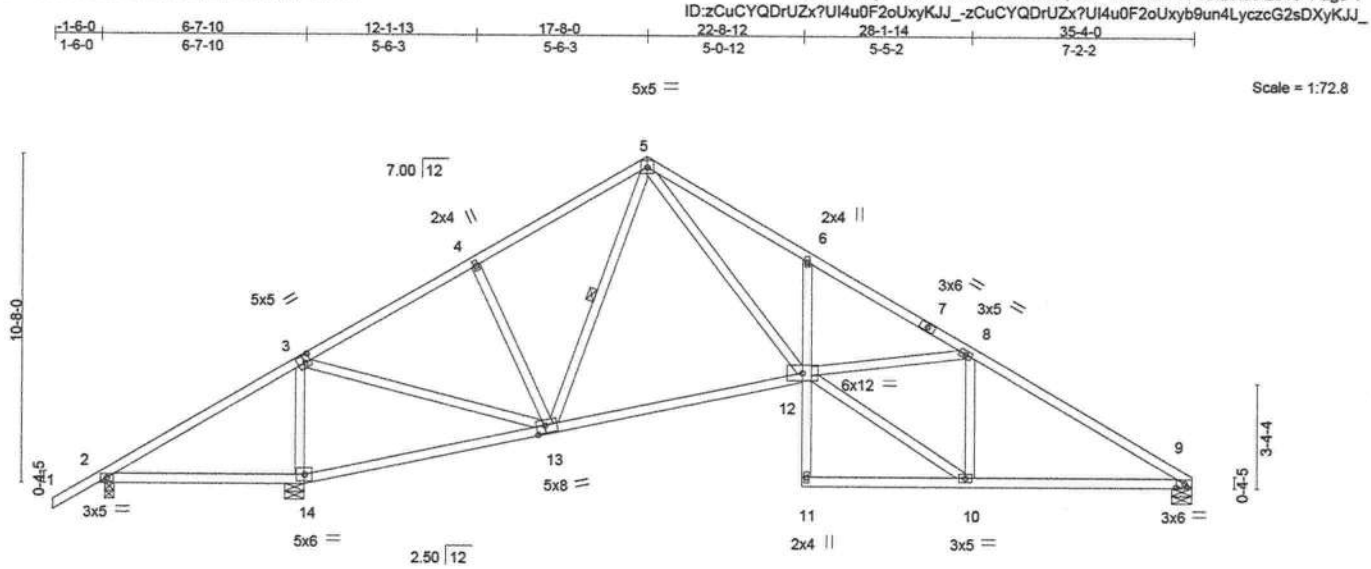

Plate Offsets (X,Y): [3:0-2-4,0-3-0], [9:0-3-3,0-1-8], [13:0-3-4,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.45	Vert(LL)	0.11	2-14	>728	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.48	Vert(TL)	-0.41	12-13	>822	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.53	Horz(TL)	0.13	9	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 201 lb	FT = 15%

LUMBER

TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2 *Except*
6-11: 2 X 4 SYP No.3
WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-11-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing.
WEBS 1 Row at midpt 5-13

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

REACTIONS (lb/size) 9=1030/0-7-10 (min. 0-1-8), 2=-88/0-3-8 (min. 0-1-8), 14=1947/0-7-10 (min. 0-2-5)
Max Horz 2=303(LC 4)
Max Uplift 9=-148(LC 6), 2=-234(LC 8), 14=-328(LC 5)
Max Grav 9=1030(LC 1), 2=78(LC 7), 14=1947(LC 1)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=0/45, 2-3=-136/907, 3-4=-948/139, 4-5=-816/183, 5-6=-2058/335, 6-7=-1959/222, 7-8=-2052/193, 8-9=-1632/240
BOT CHORD 2-14=-684/170, 13-14=-745/183, 12-13=-8/756, 11-12=0/77, 6-12=-311/160, 10-11=-3/6, 9-10=-120/1306
WEBS 3-14=-1649/273, 3-13=-86/1514, 4-13=-295/152, 5-13=-332/50, 5-12=-236/1643, 10-12=-140/1540, 8-12=-22/392, 8-10=-656/100

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); cantilever left exposed ; porch left exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 148 lb uplift at joint 9, 234 lb uplift at joint 2 and 328 lb uplift at joint 14.
6) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

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November 11,2010

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Job	Truss	Truss Type	Qty	Ply	JENKINS	
RSNJENK	B1	HIP	1	1	Job Reference (optional)	E5886039

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

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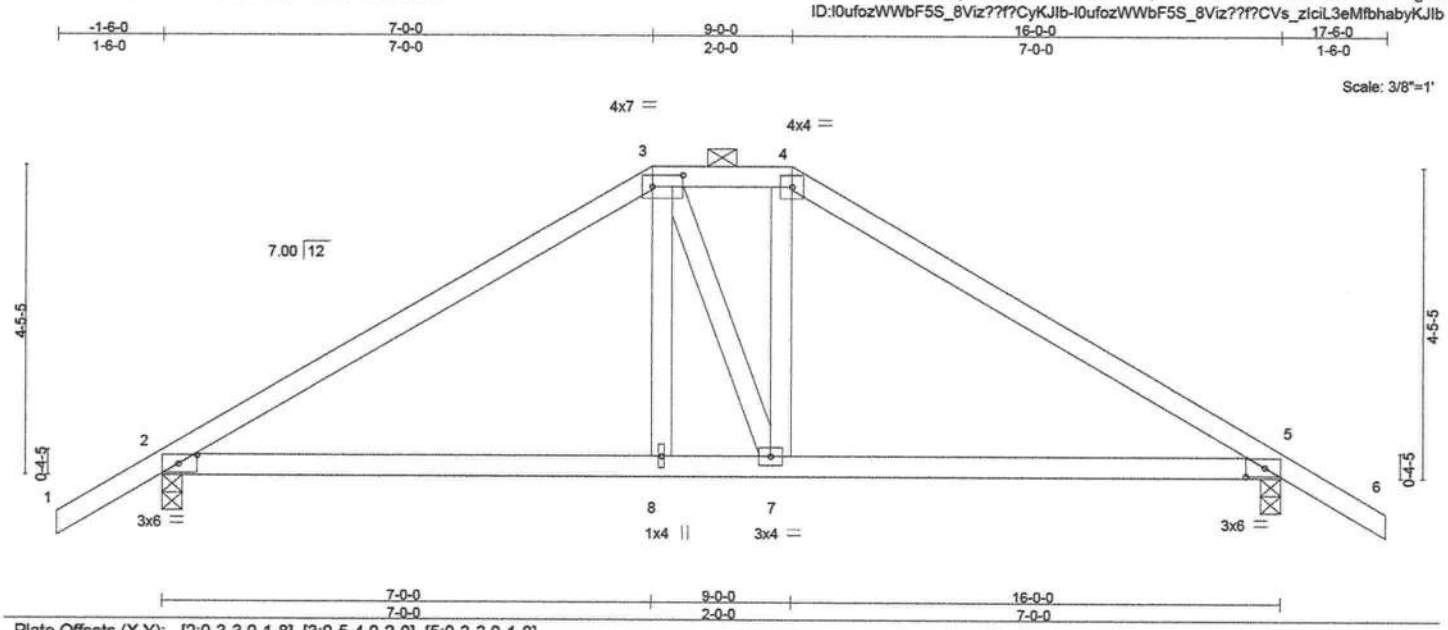

Plate Offsets (X,Y): [2:0-3-3,0-1-8], [3:0-5-4,0-2-0], [5:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	0.14	2-8	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.21	2-8	>882	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.19	Horz(TL)	0.04	5	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 74 lb	FT = 15%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-10-11 oc purlins, except
2-0-0 oc purlins (4-8-10 max.): 3-4.
BOT CHORD Rigid ceiling directly applied or 8-3-6 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=1313/0-3-8 (min. 0-1-9), 5=1313/0-3-8 (min. 0-1-9)
Max Horz 2=-114(LC 3)
Max Uplift 2=-511(LC 5), 5=-505(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-1962/648, 3-4=-1606/595, 4-5=-1965/653, 5-6=0/45
BOT CHORD 2-8=-527/1585, 7-8=-533/1604, 5-7=-489/1588
WEBS 3-8=-179/591, 3-7=-143/133, 4-7=-211/597

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
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) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 511 lb uplift at joint 2 and 505 lb uplift at joint 5.
7) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
8) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 181 lb down and 133 lb up at 7-0-0, and 221 lb down and 137 lb up at 9-0-0 on top chord, and 408 lb down and 39 lb up at 7-0-0, and 408 lb down and 39 lb up at 8-11-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

Continued on page 2

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November 11,2010

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A MiTek Affiliate
818 Soundside Road
Edenton, NC 27932

LOAD CASE(S) Standard

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

Uniform Loads (plf)

Vert: 1-3=-60, 3-4=-60, 4-6=-60, 2-5=-20

Concentrated Loads (lb)

Vert: 3=-181(B) 4=-181(B) 8=-406(B) 7=-406(B)

Job	Truss	Truss Type	Qty	Ply	JENKINS	
RSNJENK	B	COMMON	2	1		E5886040
					Job Reference (optional)	

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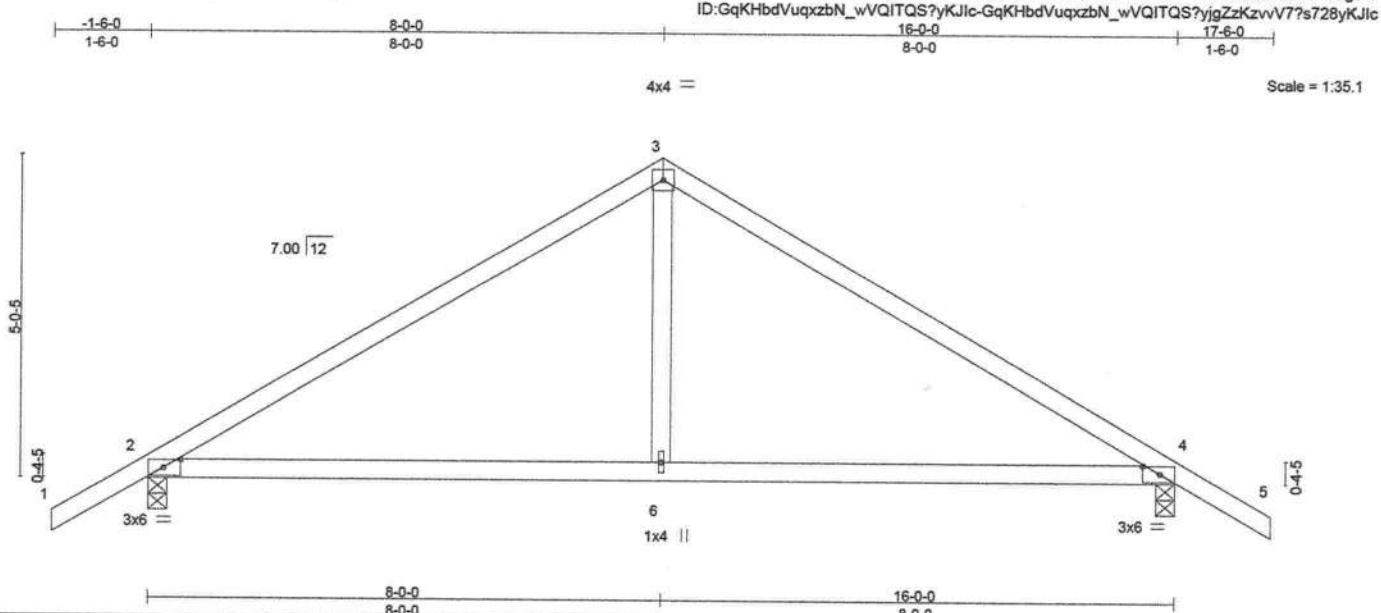

Plate Offsets (X,Y): [2:0-3-3,0-1-8], [4:0-3-3,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.41	Vert(LL)	0.19	2-6	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.50	Vert(TL)	-0.23	4-6	>814	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.12	Horz(TL)	0.02	4	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 64 lb	FT = 15%

LUMBER

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

BRACING

TOP CHORD Structural wood sheathing directly applied or 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) 2=727/0-3-8 (min. 0-1-8), 4=727/0-3-8 (min. 0-1-8)
Max Horz 2=129(LC 4)
Max Uplift 2=-344(LC 5), 4=-344(LC 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-814/340, 3-4=-814/340, 4-5=0/45
BOT CHORD 2-6=-216/594, 4-6=-216/594
WEBS 3-6=-214/379

NOTES

1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 344 lb uplift at joint 2 and 344 lb uplift at joint 4.
6) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

FL Cert. #7239

November 11,2010

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818 Soundside Road
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Job	Truss	Truss Type	Qty	Ply	JENKINS	E5886041
RSNJENK	CJ09	MONO TRUSS	6	1	Job Reference (optional)	

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

7.250 s Sep 1 2010 MiTek Industries, Inc. Thu Nov 11 09:25:28 2010 Page 1

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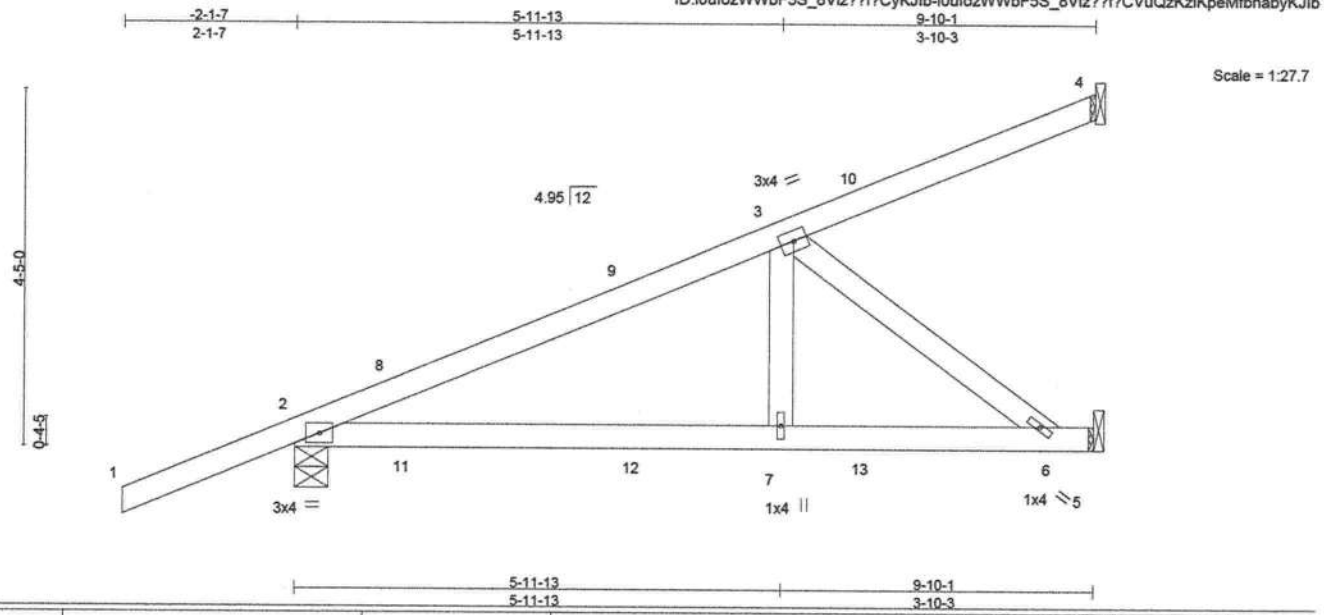

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.35	Vert(LL)	0.03	2-7	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.41	Vert(TL)	-0.06	6-7	>999	180		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.21	Horz(TL)	0.01	5	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 43 lb	FT = 15%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 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) 4=112/Mechanical, 2=517/0-4-15 (min. 0-1-8), 5=378/Mechanical
Max Horz 2=173(LC 5)
Max Uplift 4=-52(LC 5), 2=-253(LC 5), 5=-194(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/46, 2-8=-609/205, 8-9=-566/218, 3-9=-518/221, 3-10=-94/16, 4-10=-29/34
BOT CHORD 2-11=-266/518, 11-12=-266/518, 7-12=-266/518, 7-13=-266/518, 6-13=-266/518, 5-6=0/0
WEBS 3-7=-120/377, 3-6=-647/332

NOTES
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 52 lb uplift at joint 4, 253 lb uplift at joint 2 and 194 lb uplift at joint 5.
6) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.
7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 19 lb down and 34 lb up at 1-4-9, 19 lb down and 34 lb up at 1-4-9, 14 lb up at 4-2-8, 14 lb up at 4-2-8, and 65 lb down and 53 lb up at 7-0-7, and 65 lb down and 53 lb up at 7-0-7 on top chord, and 20 lb up at 1-4-9, 20 lb up at 1-4-9, 17 lb down at 4-2-8, 17 lb down at 4-2-8, and 57 lb down at 7-0-7, and 57 lb down at 7-0-7 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, 2-5=-20

Continued on page 2

FL Cert. #7239

November 11,2010

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

LOAD CASE(S) Standard
Concentrated Loads (lb)
Vert: 8=68(F=34, B=34) 9=15(F=7, B=7) 10=-130(F=-65, B=-65) 11=20(F=10, B=10) 12=-17(F=-8, B=-8) 13=-57(F=-28, B=-28)

Job	Truss	Truss Type	Qty	Ply	JENKINS	E5886042
RSNJENK	EJ7	JACK	26	1	Job Reference (optional)	

SANTA FE TRUSS COMPANY, INC., HIGH SPRINGS, FL — 7.250 s Sep 1 2010 MiTek Industries, Inc. Thu Nov 11 09:25:29 2010 Page 1

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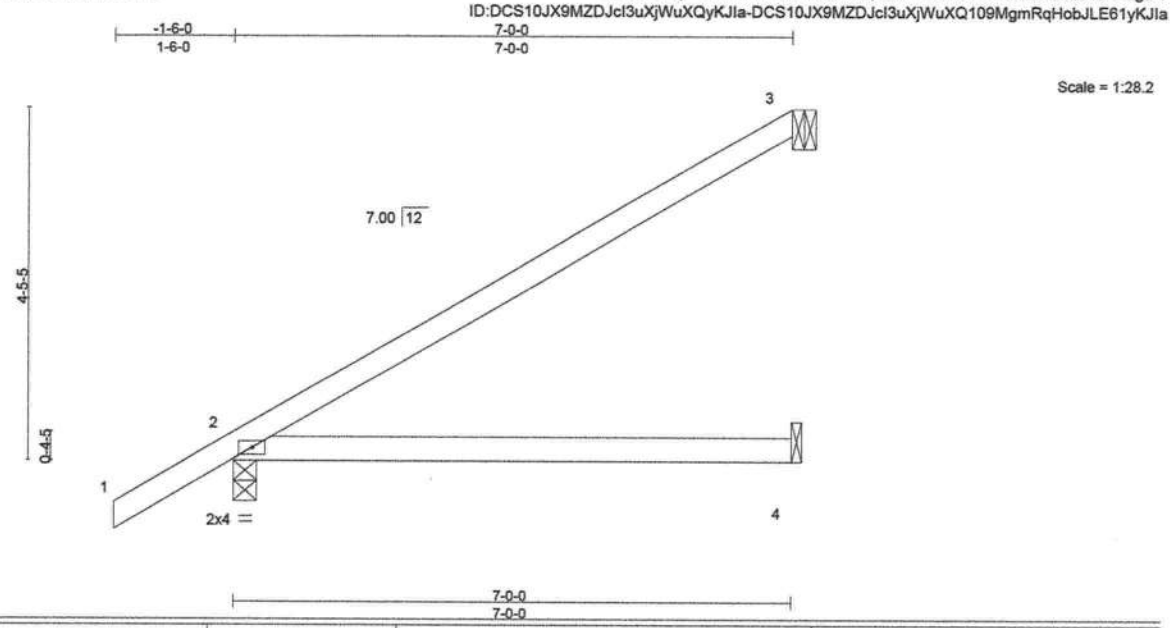

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	0.16	2-4	>495	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.28	2-4	>292	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 25 lb	FT = 15%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 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=189/Mechanical, 2=380/0-3-8 (min. 0-1-8), 4=68/Mechanical
Max Horz 2=172(LC 5)
Max Uplift 3=-96(LC 5), 2=-167(LC 5), 4=-80(LC 3)
Max Grav 3=189(LC 1), 2=380(LC 1), 4=136(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-110/77
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 96 lb uplift at joint 3, 167 lb uplift at joint 2 and 80 lb uplift at joint 4.
6) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	JENKINS	E5886043
RSNJENK	J01	JACK	12	1	Job Reference (optional)	

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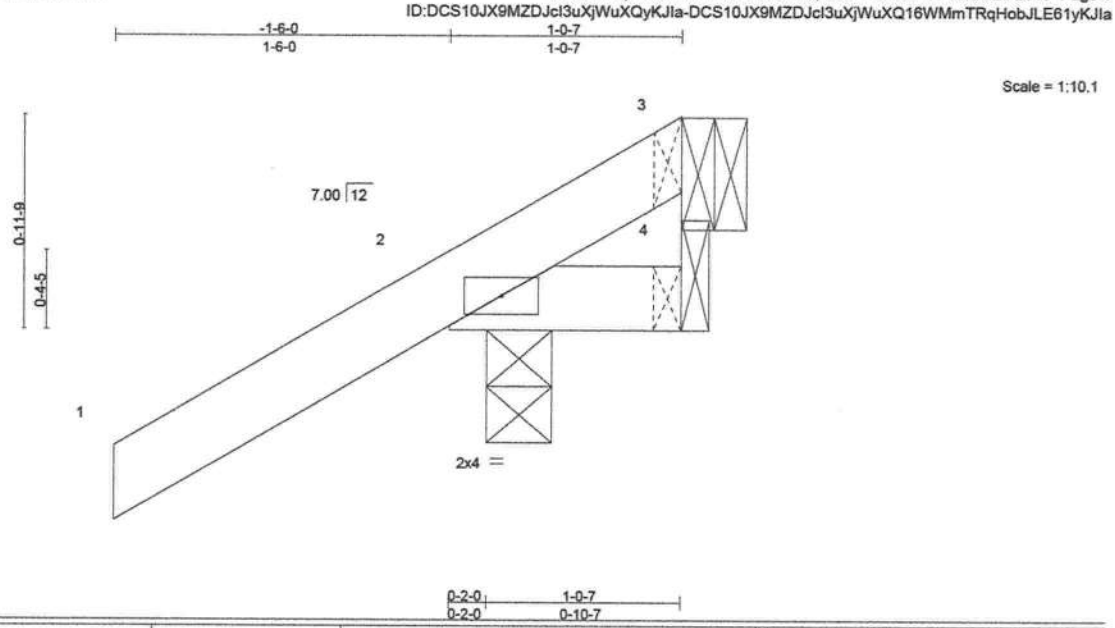

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.13	Vert(LL)	-0.00	2	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 6 lb	FT = 15%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 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) 4=10/Mechanical, 2=203/0-3-8 (min. 0-1-8), 3=-42/Mechanical
Max Horz 2=62(LC 5)
Max Uplift 4=-12(LC 3), 2=-136(LC 5), 3=-42(LC 1)
Max Grav 4=20(LC 2), 2=203(LC 1), 3=48(LC 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/44, 2-3=-55/25
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 12 lb uplift at joint 4, 136 lb uplift at joint 2 and 42 lb uplift at joint 3.
6) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	JENKINS	E5886044
RSNJENK	J03	JACK	12	1	Job Reference (optional)	

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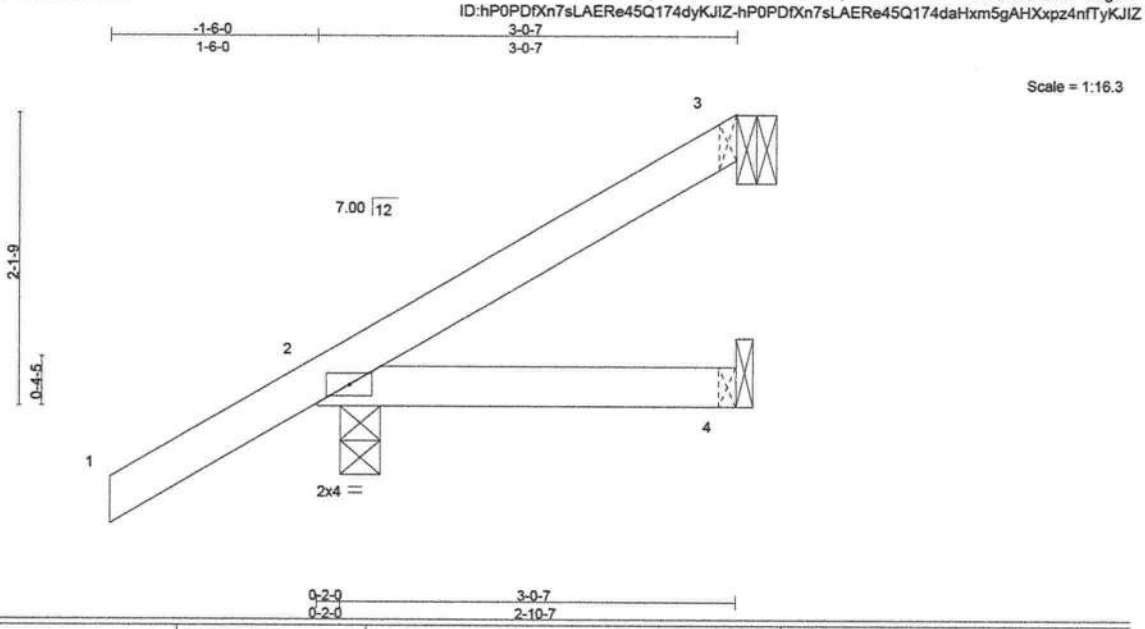

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.16	Vert(LL)	-0.00	2-4	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	2-4	>999	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 13 lb	FT = 15%

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

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

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

REACTIONS (lb/size) 3=53/Mechanical, 2=239/0-3-8 (min. 0-1-8), 4=28/Mechanical
Max Horz 2=98(LC 5)
Max Uplift 3=-23(LC 4), 2=-126(LC 5), 4=-33(LC 3)
Max Grav 3=53(LC 1), 2=239(LC 1), 4=57(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-60/19
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 23 lb uplift at joint 3, 126 lb uplift at joint 2 and 33 lb uplift at joint 4.
6) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	JENKINS	E5886045
RSNJENK	J05	JACK	12	1	Job Reference (optional)	

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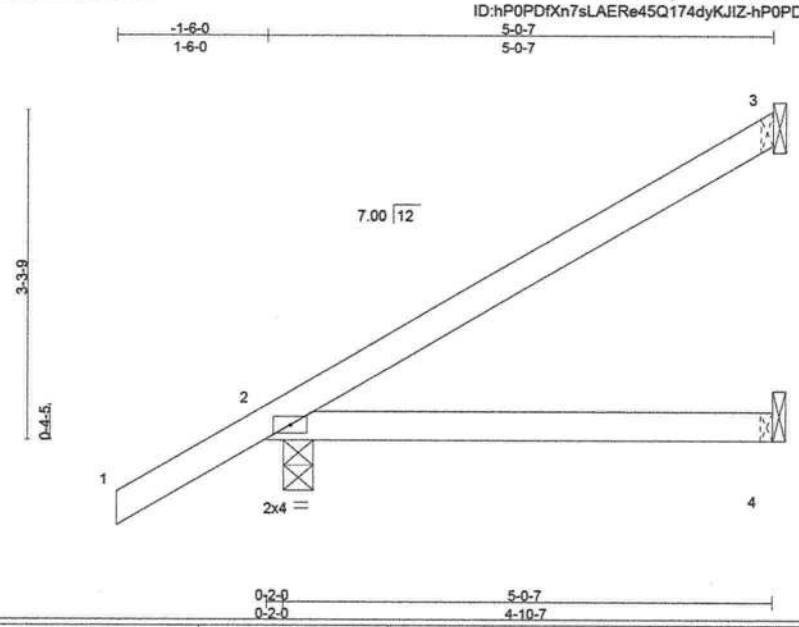

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	0.04	2-4	>999	240	MT20	244/190
TCDL	10.0	Lumber Increase	1.25	BC	0.22	Vert(TL)	-0.07	2-4	>813	180		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2007/TPI2002		(Matrix)							Weight: 19 lb	FT = 15%

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 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=128/Mechanical, 2=309/0-3-8 (min. 0-1-8), 4=48/Mechanical
Max Horz 2=137(LC 5)
Max Uplift 3=-63(LC 5), 2=-144(LC 5), 4=-57(LC 3)
Max Grav 3=128(LC 1), 2=309(LC 1), 4=97(LC 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/45, 2-3=-84/52
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp B; enclosed; MWFRS (low-rise); porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 63 lb uplift at joint 3, 144 lb uplift at joint 2 and 57 lb uplift at joint 4.
6) "Semi-rigid pitchbreaks with fixed heels" Member end fixity model was used in the analysis and design of this truss.

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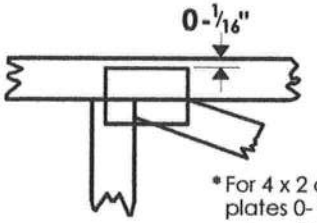
Symbols

PLATE LOCATION AND ORIENTATION

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



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

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

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

PLATE SIZE

4 x 4

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

LATERAL BRACING LOCATION

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

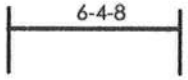
BEARING

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

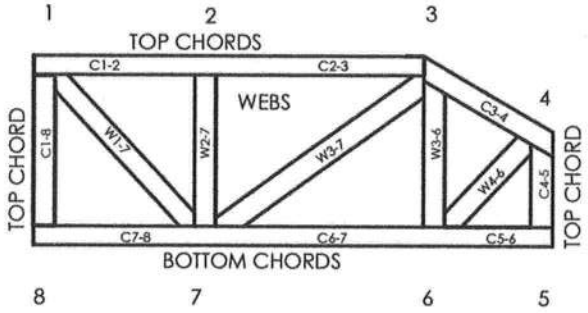
Industry Standards:

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

Numbering System



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



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

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

PRODUCT CODE APPROVALS

ICC-ES Reports:

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

MiTek® POWER TO PERFORM.™
ENGINEERING BY TRENCO
A MiTek Affiliate

MiTek Engineering Reference Sheet: MII-7473 rev. 10-'08

General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

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