DATE 01/31/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000026702

APPLICANT SAMMY L. KEEN PHONE 386.365.3646

ADDRESS 764 SW RIVERSIDE AVENUE FT. WHITE FL 32033

OWNER GAIL C. MCDANIEL PHONE 678.925.3341

ADDRESS 625 NW CARTER ROAD WHITE SPRINGS FL 32096

CONTRACTOR GUY N. WILLIAMS PHONE 386.752.0004

LOCATION OF PROPERTY 441-N TO FL-GA LINE @ RED BRICK HOME ON L,TL ON CARTER BY FENCE FOLLOW TO JOB SITE.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 119400.00

HEATED FLOOR AREA 2388.00 TOTAL AREA 3821.00 HEIGHT 26.33 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 4'12 FLOOR CONC

LAND USE & ZONING A-1 MAX. HEIGHT 35

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

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

PARCEL ID 74-2N-16-01443-000 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 10.00

		CBC050690		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
PRIVATE	07-0939-N	BLK	JTH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD.

Check # or Cash 9930

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

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

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

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

Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by

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

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

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

Pool _____ date/app. by

Reconnection _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H Pole _____ date/app. by

Travel Trailer _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 600.00 CERTIFICATION FEE $ 19.11 SURCHARGE FEE $ 19.11

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** 713.22

INSPECTORS OFFICE CLERKS OFFICE MSY

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

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

CK #9230

Columbia County Building Permit Application

For Office Use Only Application # 0712-48 Date Received 12/14/07 By GP Permit # 26702

Application Approved by - Zoning Official BLK Date 29.01.08 Plans Examiner OK JTH Date 12-18-07

Flood Zone X Development Permit N/A Zoning A-1 Land Use Plan Map Category A-1

Comments [redacted]

☐ NOC ☑ EH ☑ Deed or PA ☑ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Per

Name Authorized Person Signing Permit Sam L Keen Jr. Phone 386 365 3646 Fax 386 497 2289

Address 764 SW Riverside Av Ft White FL, 32038

Owners Name Gail C McDaniel Phone 678-925-3341

911 Address 625 NW Carter Rd. White Springs FL, 32096

Contractors Name Guy N. Williams Phone 386 752 0804 ext 3

Address 448 Colburn st Lake City FL, 32025

Fee Simple Owner Name & Address none

Bonding Co. Name & Address none

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

Mortgage Lenders Name & Address none

Circle the correct power company – FL Power & Light – Clay Elec. – Suwannee Valley Elec. – Progressive Ene Slash Pine Elect Membership Corp.

Property ID Number [redacted].00 2N 16 [redacted] Estimated Cost of Construction 350,000.00

Subdivision Name 01443-000 Lot ___ Block ___ Unit ___ Phase ___

Driving Directions 441 N. to FL, GA. Line Red Brick House on Left turn Left on Road By Fence, follow to Job site.

Type of Construction Framed Hardy Board Number of Existing Dwellings on Property 0

Total Acreage 10 Lot Size ___ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing D NUVFC

Actual Distance of Structure from Property Lines - Front 315 Side 100 Side 264 Rear 266

Total Building Height 26.33 Number of Stories 2 Heated Floor Area 2388 Roof Pitch 4/12

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 all laws regulating construction in this jurisdiction.

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

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

Sam L Keen Jr.

Owner Builder or Authorized Person by Notarized Letter

Guy N. Williams

Contractor Signature

Contractors License Number CB-C050690

Competency Card Number [redacted] 10254

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Joan A. Wilson
Commission # DD358494
Expires September 27, 2008
Bonded Troy Fain Insurance, Inc. 800-385-7019

Sworn to (or affirmed) and subscribed before me this 14th day of December 2007.

Personally known ✓ or Produced Identification ___

Joan A. Wilson

Notary Signature

(Revised Sept. 2

U.S. DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency
National Flood Insurance Program

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires February 28, 2009

Important: Read the instructions on pages 1-8.

SECTION A - PROPERTY INFORMATION

	For Insurance Company Use:
A1. Building Owner's Name Gail McDaniel	Policy Number
A2. Building Street Address (Including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. US HWY 441	Company NAIC Number
City White Springs State FL ZIP Code 32096	

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
A portion of tax parcel # 00-2N-16-01443-000

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) _____

A5. Latitude/Longitude: Lat. _____ Long. _____ Horizontal Datum: ☐ NAD 1927 ☐ NAD 1983

A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.

A7. Building Diagram Number _____

A8. For a building with a crawl space or enclosure(s), provide
- a) Square footage of crawl space or enclosure(s) _____ sq ft
- b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade _____
- c) Total net area of flood openings in A8.b _____ sq in

A9. For a building with an attached garage, provide:
- a) Square footage of attached garage _____ sq ft
- b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade _____
- c) Total net area of flood openings in A9.b _____ sq in

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number	B2. County Name	B3. State
Columbia County, Florida 120070	Columbia	FL

B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use base flood depth)
0005	B	1/6/88		X	

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.
☐ FIS Profile ☐ FIRM ☐ Community Determined ☐ Other (Describe) _____

B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☐ NAVD 1988 ☐ Other (Describe) _____

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☐ No
Designation Date _____ ☐ CBRS ☐ OPA

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☐ Construction Drawings* ☐ Building Under Construction* ☐ Finished Construction
*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-g below according to the building diagram specified in Item A7.

Benchmark Utilized _____ Vertical Datum _____

Conversion/Comments _____

			Check the measurement used.	
a)	Top of bottom floor (including basement, crawl space, or enclosure floor)	_____.____	☐ feet	☐ meters (Puerto Rico only)
b)	Top of the next higher floor	_____.____	☐ feet	☐ meters (Puerto Rico only)
c)	Bottom of the lowest horizontal structural member (V Zones only)	_____.____	☐ feet	☐ meters (Puerto Rico only)
d)	Attached garage (top of slab)	_____.____	☐ feet	☐ meters (Puerto Rico only)
e)	Lowest elevation of machinery or equipment servicing the building (Describe type of equipment in Comments)	_____.____	☐ feet	☐ meters (Puerto Rico only)
f)	Lowest adjacent (finished) grade (LAG)	_____.____	☐ feet	☐ meters (Puerto Rico only)
g)	Highest adjacent (finished) grade (HAG)	_____.____	☐ feet	☐ meters (Puerto Rico only)

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. *I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.*

☐ Check here if comments are provided on back of form.

Certifier's Name Walton F. Poppell License Number 2940

Title Surveyor Company Name Putnal & Associates, Inc.

Address 364 West Base St. City Madison State FL ZIP Code 32340

Signature Walton F. Poppell Date 1-10-08 Telephone 850-973-2472

IMPORTANT: In these spaces, copy the corresponding information from Section A.	For Insurance Company Use:
Building Street Address (Including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. US HWY 441	Policy Number
City White Springs State FL ZIP Code 32096	Company NAIC Number

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments Vacant Land

Proposed home site lies in Zone X

Signature Walton F. Powell Date 1-10-08

☐ Check here if attachments

SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
a) Top of bottom floor (including basement, crawl space, or enclosure) is _____.____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
b) Top of bottom floor (including basement, crawl space, or enclosure) is _____.____ ☐ feet ☐ meters ☐ above or ☐ below the LAG.

E2. For Building Diagrams 6-8 with permanent flood openings provided in Section A Items 8 and/or 9 (see page 8 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____.____ ☐ feet ☐ meters ☐ above or ☐ below the HAG

E3. Attached garage (top of slab) is _____.____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is _____.____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? ☐ Yes ☐ No ☐ Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. *The statements in Sections A, B, and E are correct to the best of my knowledge.*

Property Owner's or Owner's Authorized Representative's Name

Address City State ZIP Code

Signature Date Telephone

Comments

☐ Check here if attachments

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8. and G9.

G1. ☐ The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)

G2. ☐ A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.

G3. ☐ The following information (Items G4.-G9.) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued

G7. This permit has been issued for: ☐ New Construction ☐ Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building: _____.____ ☐ feet ☐ meters (PR) Datum _____

G9. BFE or (in Zone AO) depth of flooding at the building site: _____.____ ☐ feet ☐ meters (PR) Datum _____

Local Official's Name Title

Community Name Telephone

Signature Date

Comments

☐ Check here if attachments

07-0939-N

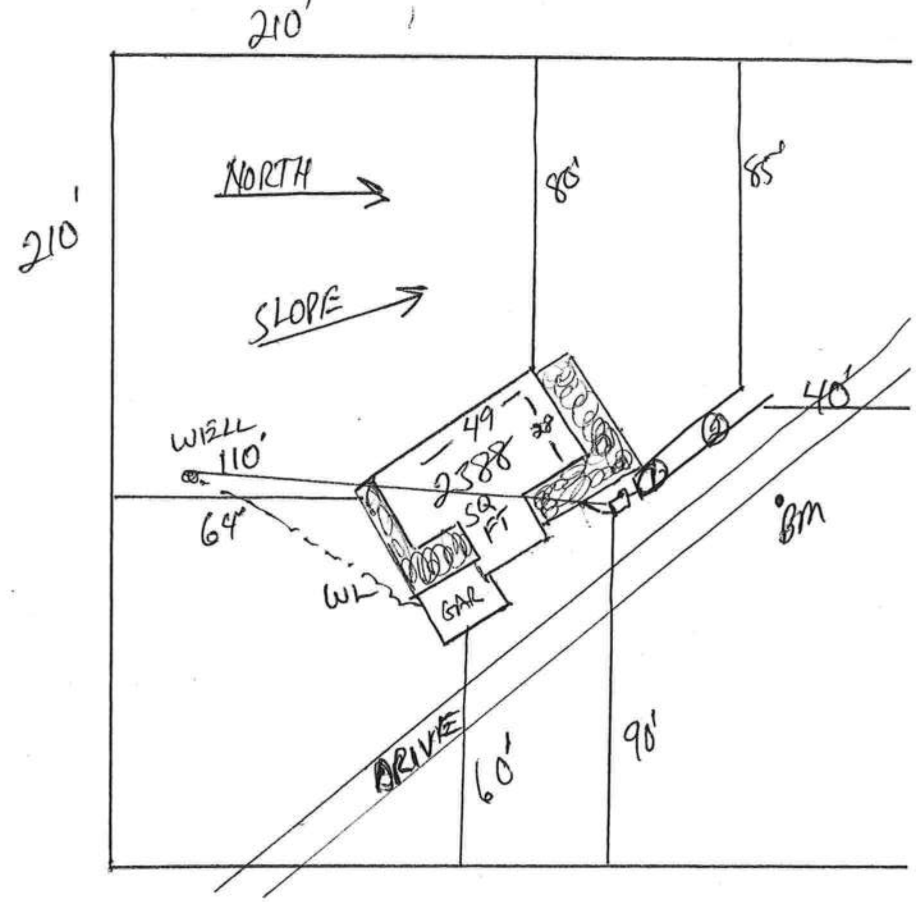
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION F0R ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number________________

---------------------------- PART II - SITEPLAN ----------------------------

Scale: 1 inch = 50 feet.

SEE ATTACHED



Notes: 1 of 430 Acres

Site Plan submitted by: [signature] MASTER CONTRACTOR

Plan Approved ✓ Not Approved_____ Date 1/29/08

By Mark S Zander County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

LIMITED POWER OF ATTORNEY

I, Guy W Williams, do hereby authorize Sam L Keen to be my representative and act on my behalf in all aspects of applying for a Building Permit permit to be placed on property in Columbia County, Florida described as follows:

Owner's Name: _____

Section 00 Twp 2N Rge 16

Tax Parcel No. 01443-000

Guy W. Williams
(Contractor's Signature)

12/14/07
(Date)

Sworn to and subscribed before me this 14th day of December, 2007.

Joan A. Wilson
Notary Public

My commission expires: 9/27/2008

Personally known: ✓

Produced ID (Type): _____

NOTARY PUBLIC * STATE OF FLORIDA *
Joan A. Wilson
Commission # DD358494
Expires September 27, 2008
Bonded Troy Fain Insurance, Inc. 800-385-7019

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

June 12, 2007

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphram tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphram tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,

Donald D. Hall
DDH/jk

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**709281SLKConstruction**	Builder:	
Address:	**625 NW Carter Rd.**	Permitting Office:	
City, State:	**White Springs, FL**	Permit Number:	
Owner:	**Gail C. McDaniel**	Jurisdiction Number:	21000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 50.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	5	b. N/A	
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	2388 ft²	c. N/A	
7. Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor: (or Single or Double DEFAULT) 7a.	Description Area (Dble Default) 441.0 ft²	13. Heating systems	
b. SHGC: (or Clear or Tint DEFAULT) 7b.	(Clear) 441.0 ft²	a. Electric Heat Pump	Cap: 50.0 kBtu/hr
			HSPF: 7.90
8. Floor types		b. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 180.0(p) ft		
b. N/A		c. N/A	
c. N/A			
9. Wall types		14. Hot water systems	
a. Frame, Wood, Exterior	R=13.0, 2239.0 ft²	a. N/A	
b. N/A			
c. N/A		b. N/A	
d. N/A			
e. N/A		c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
a. Under Attic	R=30.0, 1534.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 180.0 ft		
b. N/A			

Glass/Floor Area: 0.18 Total as-built points: 38061 Total base points: 38849 **PASS**

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

PREPARED BY: _____

DATE: 11-21-07

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **625 NW Carter Rd., White Springs, FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	2388.0	20.04	8614.0	Double, Clear	N	19.0	7.0	20.0	19.20	0.59	228.2	
				Double, Clear	N	7.0	7.0	20.0	19.20	0.71	273.0	
				Double, Clear	E	1.5	7.0	30.0	42.06	0.94	1184.1	
				Double, Clear	E	1.5	6.0	12.0	42.06	0.91	460.7	
				Double, Clear	E	1.5	0.0	12.0	42.06	0.36	180.1	
				Double, Clear	E	1.5	0.0	24.0	42.06	0.36	360.2	
				Double, Clear	S	10.0	8.0	72.0	35.87	0.49	1264.1	
				Double, Clear	S	10.0	7.0	10.0	35.87	0.48	171.4	
				Double, Clear	W	10.0	7.0	20.0	38.52	0.46	352.2	
				Double, Clear	W	1.5	0.0	16.0	38.52	0.37	230.9	
				Double, Clear	N	1.5	5.5	15.0	19.20	0.93	267.3	
				Double, Clear	E	1.5	5.5	45.0	42.06	0.90	1696.4	
				Double, Clear	E	1.5	3.5	9.0	42.06	0.78	293.6	
				Double, Clear	S	1.5	5.2	54.0	35.87	0.82	1580.2	
				Double, Clear	W	1.5	5.2	36.0	38.52	0.88	1224.8	
				Double, Clear	S	1.5	4.5	16.0	35.87	0.78	445.3	
				Double, Clear	W	1.5	5.5	30.0	38.52	0.90	1036.6	
				As-Built Total:				**441.0**			**11249.0**	

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0	2239.0	1.50	3358.5
Exterior	2239.0	1.70	3806.3					
Base Total:	**2239.0**		**3806.3**	**As-Built Total:**		**2239.0**		**3358.5**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	20.0	1.60	32.0	Exterior Insulated	60.0	4.10	246.0
Exterior	120.0	4.10	492.0	Exterior Insulated	60.0	4.10	246.0
				Adjacent Insulated	20.0	1.60	32.0
Base Total:	**140.0**		**524.0**	**As-Built Total:**	**140.0**		**524.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	1534.0	1.73	2653.8	Under Attic	30.0	1534.0	1.73 X 1.00	2653.8
Base Total:	**1534.0**		**2653.8**	**As-Built Total:**		**1534.0**		**2653.8**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **625 NW Carter Rd., White Springs, FL,** PERMIT #:

BASE					AS-BUILT					
FLOOR TYPES	Area X	BSPM	=	Points	Type	R-Value	Area X	SPM	=	Points
Slab	180.0(p)	-37.0		-6660.0	Slab-On-Grade Edge Insulation	0.0	180.0(p	-41.20		-7416.0
Raised	0.0	0.00		0.0						
Base Total:				**-6660.0**	**As-Built Total:**		**180.0**			**-7416.0**
INFILTRATION	Area X	BSPM	=	Points			Area X	SPM	=	Points
	2388.0	10.21		24381.5			2388.0	10.21		24381.5
Summer Base Points: 33319.6					**Summer As-Built Points:**					**34750.8**
Total Summer Points	X System Multiplier	=	Cooling Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
					(sys 1: Central Unit 50000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)					
					34751	1.00	(1.09 x 1.147 x 1.00)	0.263	1.000	11406.4
33319.6	**0.4266**		**14214.1**		**34750.8**	**1.00**	**1.250**	**0.263**	**1.000**	**11406.4**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **625 NW Carter Rd., White Springs, FL,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	2388.0	12.74	5476.2	Double, Clear	N	19.0	7.0	20.0	24.58	1.03	505.0
				Double, Clear	N	7.0	7.0	20.0	24.58	1.02	500.5
				Double, Clear	E	1.5	7.0	30.0	18.79	1.03	578.8
				Double, Clear	E	1.5	6.0	12.0	18.79	1.04	233.5
				Double, Clear	E	1.5	0.0	12.0	18.79	1.51	339.8
				Double, Clear	E	1.5	0.0	24.0	18.79	1.51	679.6
				Double, Clear	S	10.0	8.0	72.0	13.30	3.09	2955.0
				Double, Clear	S	10.0	7.0	10.0	13.30	3.22	428.3
				Double, Clear	W	10.0	7.0	20.0	20.73	1.20	497.6
				Double, Clear	W	1.5	0.0	16.0	20.73	1.24	410.5
				Double, Clear	N	1.5	5.5	15.0	24.58	1.00	369.8
				Double, Clear	E	1.5	5.5	45.0	18.79	1.04	880.6
				Double, Clear	E	1.5	3.5	9.0	18.79	1.09	185.0
				Double, Clear	S	1.5	5.2	54.0	13.30	1.18	846.9
				Double, Clear	W	1.5	5.2	36.0	20.73	1.03	770.3
				Double, Clear	S	1.5	4.5	16.0	13.30	1.26	267.8
				Double, Clear	W	1.5	5.5	30.0	20.73	1.03	639.3
				As-Built Total:				**441.0**			**11088.4**

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0	2239.0	3.40	7612.6
Exterior	2239.0	3.70	8284.3					
Base Total:	**2239.0**		**8284.3**	**As-Built Total:**		**2239.0**		**7612.6**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	20.0	8.00	160.0	Exterior Insulated	60.0	8.40	504.0
Exterior	120.0	8.40	1008.0	Exterior Insulated	60.0	8.40	504.0
				Adjacent Insulated	20.0	8.00	160.0
Base Total:	**140.0**		**1168.0**	**As-Built Total:**	**140.0**		**1168.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	1534.0	2.05	3144.7	Under Attic	30.0	1534.0	2.05 X 1.00	3144.7
Base Total:	**1534.0**		**3144.7**	**As-Built Total:**		**1534.0**		**3144.7**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **625 NW Carter Rd., White Springs, FL,** PERMIT #:

BASE				AS-BUILT					
FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	=	Points
Slab	180.0(p)	8.9	1602.0	Slab-On-Grade Edge Insulation	0.0	180.0(p	18.80		3384.0
Raised	0.0	0.00	0.0						
Base Total:			**1602.0**	**As-Built Total:**		**180.0**			**3384.0**
INFILTRATION	Area X	BWPM	= Points			Area X	WPM	=	Points
	2388.0	-0.59	-1408.9			2388.0	-0.59		-1408.9
Winter Base Points:			**18266.2**	**Winter As-Built Points:**					**24988.7**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
				(sys 1: Electric Heat Pump 50000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Gar(AH),R6.0					
				24988.7	1.000	(1.069 x 1.169 x 1.00)	0.432	1.000	13479.2
18266.2	**0.6274**	**11460.2**		**24988.7**	**1.00**	**1.250**	**0.432**	**1.000**	**13479.2**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **625 NW Carter Rd., White Springs, FL,** PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
5		2635.00	13175.0			5	1.00	2635.00	1.00	13175.0
				As-Built Total:						**13175.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
14214	**11460**	**13175**	**38849**	**11406**	**13479**	**13175**	**38061**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **625 NW Carter Rd., White Springs, FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 82.8

The higher the score, the more efficient the home.

Gail C. McDaniel, 625 NW Carter Rd., White Springs, FL,

1.	New construction or existing	New		12.	Cooling systems
2.	Single family or multi-family	Single family		a.	Central Unit	Cap: 50.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 13.00
4.	Number of Bedrooms	5		b.	N/A	
5.	Is this a worst case?	Yes				
6.	Conditioned floor area (ft²)	2388 ft²		c.	N/A	
7.	Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)					
a.	U-factor:	Description Area		13.	Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble Default) 441.0 ft²		a.	Electric Heat Pump	Cap: 50.0 kBtu/hr
b.	SHGC:					HSPF: 7.90
	(or Clear or Tint DEFAULT) 7b.	(Clear) 441.0 ft²		b.	N/A	
8.	Floor types					
a.	Slab-On-Grade Edge Insulation	R=0.0, 180.0(p) ft		c.	N/A	
b.	N/A					
c.	N/A			14.	Hot water systems	
9.	Wall types			a.	N/A	
a.	Frame, Wood, Exterior	R=13.0, 2239.0 ft²				
b.	N/A			b.	N/A	
c.	N/A					
d.	N/A			c.	Conservation credits	
e.	N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
a.	Under Attic	R=30.0, 1534.0 ft²		15.	HVAC credits	
b.	N/A				(CF-Ceiling fan, CV-Cross ventilation,	
c.	N/A				HF-Whole house fan,	
11.	Ducts				PT-Programmable Thermostat,	
a.	Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 180.0 ft			MZ-C-Multizone cooling,	
b.	N/A				MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

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

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

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

Columbia County, Florida
Planning & Zoning Department

Review of Building Permit for compliance with County's Comprehensive Plan and Land Development Regulations

To: Sam L. Keen, Jr. **Fax:** 386.497.2289

From : Brian L. Kepner, County Planner **Fax:** 386.758.2160

Number of pages : 1

Date : 28 December 2007

RE: Building Permit Application 0712-48, Gail McDaniel

Dear Sam:

The following items need to be submitted for further review of the above referenced building permit application;

1. A copy of the deed showing ownership; and
2. A site plan showing the parcel with the proposed location of the house and it distance to the property lines.

If you have any questions concerning this matter, please do not hesitate to contact me at 386.758.1007.

Sincerely,

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

To Whom It May Concern:

I, Virginia Carter, give my daughter, Virginia Gail McDaniel, permission to build a home on the attached 10 acres.

Virginia Carter
Virginia Carter by E. Carter
VIRGINIA CARTER

1-11-08
DATE

Ainsley Griffin
NOTARY PUBLIC

1-11-08
DATE

Notary Public, Lowndes County, Georgia
My Commission Expires June 14, 2008

To Whom It May Concern:

I, Eileen Carter, give my sister, Virginia Gail McDaniel, permission to build a home on the attached 10 acres.

Eileen Carter — 1-11-08

EILEEN CARTER — DATE

Ansley Griffin — 1-11-08

NOTARY PUBLIC — DATE

Notary Public, Lowndes County, Georgia
My Commission Expires June 14, 2008

To Whom It May Concern:

I, Martha Hale, give my sister, Virginia Gail McDaniel, permission to build a home on the attached 10 acres.

Martha Hale
MARTHA HALE

1-15-08
DATE

Rhonda B. Green
NOTARY PUBLIC

1/15/08
DATE

RHONDA B. GREEN
MY COMMISSION # DD511732
EXPIRES: February 12, 2010
Fl. Notary Discount Assoc. Co.
NOTARY PUBLIC STATE OF FLORIDA 1-800-3-NOTARY

To Whom It May Concern:

I, Patricia Oettmeier, give my sister, Virginia Gail McDaniel, permission to build a home on the attached 10 acres.

Patricia Oettmeier
PATRICIA OETTMEIER

1-14-08
DATE

Deborah A. Stiles
NOTARY PUBLIC

Jan. 14, 2008
DATE

Notary Public, Spalding County, Georgia
My Commission Expires Feb. 8, 2011

0712-48

DEED BOOK 40 PAGE 349

FILED AND RECORDED IN PUBLIC RECORDS OF COLUMBIA COUNTY, FL

1995 AUG 24 PM 5:04

RECORD VERIFIED

P. DeWitt Cason
CLERK OF COURTS
COLUMBIA COUNTY, FLORIDA
BY

OR 0809 PG 1830

95-10756

OFFICIAL RECORDS

PREPARED AS TO FORM ONLY
BY/RETURN TO:
Thomas W. Brown
BRANNON, BROWN, HALEY,
ROBINSON & COLE, P.A.
P. O. Box 1029
Lake City, FL 32056-1029

WARRANTY DEED

THIS INDENTURE, Made this 5th day of August, 1995, between **EILEEN C. MEYER**, Successor Trustee of the Land Trust Agreement dated 10/03/81, as amended 08/05/95, hereinafter Grantor, to **VIRGINIA GAIL McDANIEL**, f/k/a **VIRGINIA GAIL SINGLETARY**, whose post office address is 342 E. Orange Street, Jesup, Georgia 31545, hereinafter Grantee,

WITNESSETH: That said Grantor, for and in consideration of the sum of $10.00 and other good and valuable considerations to said Grantor in hand paid by said Grantee, the receipt and sufficiency of which are hereby acknowledged, has granted, bargained and sold to the said Grantee, and Grantee's heirs and assigns forever the following described land, lying, situate and being in Columbia County, Florida, and Echols County, Georgia, to-wit:

SEE EXHIBIT "A" ATTACHED HERETO

This conveyance is subject to that certain contract dated January 20, 1956, between National Turpentine & Pulpwood Corporation and Russell Carter and his wife, Virginia Carter, which contract through various transactions is now owned by Packaging Corporation of America, Inc., notice of which is recorded in Official Records Book 5, Page 289, of the public records of Echols County, Georgia, and Official Records Book 32, Page 334, of the public records of Columbia County, Florida.

Echols County, Georgia
Real Estate Transfer Tax
Aug. 31 1995
Clerk of Superior Court

Parcel No. Fla. = 12-02-16-01441-000 and 11-02-16-01443-000
Ga. = Map 96, Parcel 2

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

IN WITNESS WHEREOF, Grantor has hereunto set her hand and seal the day and year first above written.

DOCUMENTARY STAMP .70
INTANGIBLE TAX
P. DeWITT CASON, CLERK OF COURTS, COLUMBIA COUNTY
BY

DEED BOOK 40 PAGE 350

OR 0809 PG 1831

OFFICIAL RECORDS

Signed, sealed and delivered
in the presence of:

Tom W. Brown

TOM W. BROWN
(print witness name)

Frank H. Ruff

FRANK H. RUFF
(print witness name)

Eileen C. Meyer

EILEEN C. MEYER, as Successor Trustee

STATE OF FLORIDA
COUNTY OF COLUMBIA

I HEREBY CERTIFY that the foregoing was acknowledged before me by EILEEN C. MEYER, as Successor Trustee under the Land Trust Agreement dated 10/03/81, as amended 08/05/95, who is personally known to me, or who produced Fla DL #M600203-44-729-0 as identification, on this 5th day of August, 1995.

Patricia A. Rotar

(NOTARIAL SEAL)

Notary Public • State of Florida

PATRICIA A. ROTAR
(Print Name)

My Commission Expires:

PATRICIA A. ROTAR
MY COMMISSION # CC303884 EXPIRES
September 25, 1998
BONDED THRU TROY FAIN INSURANCE, INC.

Tract No. 2 BK 0809 PG 1832

OFFICIAL RECORDS

A parcel of land lying in Sections 11 and 12 Township 2 North; Range 16 East and a portion of 573, 574 and 575 of the 13th Land District all in Columbia County, Florida and also a portion of 537 and 538 of the 13th Land District lying in Echols County, Georgia, said parcel being more particularly described as follows: Commence at a concrete monument at the intersection of the Georgia - Florida State Line with the northwesterly right of way of U. S. 441 and run N 60°52'29 " E along said right of way 890.63 feet, thence leaving said right of way run N 06°20'00 " W 465.63 feet, thence N 89°43'00" W 411.18 feet, thence S 57°57'00" W, 1531.43 feet to the POINT OF BEGINNING, from said POINT OF BEGINNING, continue thence S 57 57'00" W, 37.52 feet to the Georgia - Florida State Line, thence continue S 57°57'00" W, 886.91 feet, thence S 18°03'00" E, (non-radial) 715.98 feet to the westerly right of way of U. S. 441, thence southwesterly along said right of way along a curve concave to the southeast, said curve having a radius of 2905.77 feet; through a central angle of 41°17'33"; for an arc distance of 2094.16 feet to a point of tangent, thence S 03°27'30" W (Bearing Base) along said right of way 2377.69 feet, thence leaving said right of way, run N 70°21'16" W, 7275.02 feet to the ordinary high water line of the Suwannee River, thence northeasterly along said ordinary high water line 8208.96 feet to a point lying N 79°28'18" W, 3816.28 feet from the point of beginning, thence S 79°28'18" E, 3816.28 feet to the POINT OF BEGINNING, containing 672.71 acres, more or less.

Georgia, Echols County 4.00
Filed Aug. 21 1995 At Recorded Aug. 21 1995
Deed Book 40 Page 349 Paula Goss, Clerk

SKETCH TO ACCOMPANY LEGAL DESCRIPTION

OF A PORTION OF LAND LYING IN
GEORGIA LOT 574, OF THE 13th LAND DISTRICT,
COLUMBIA COUNTY, FLORIDA

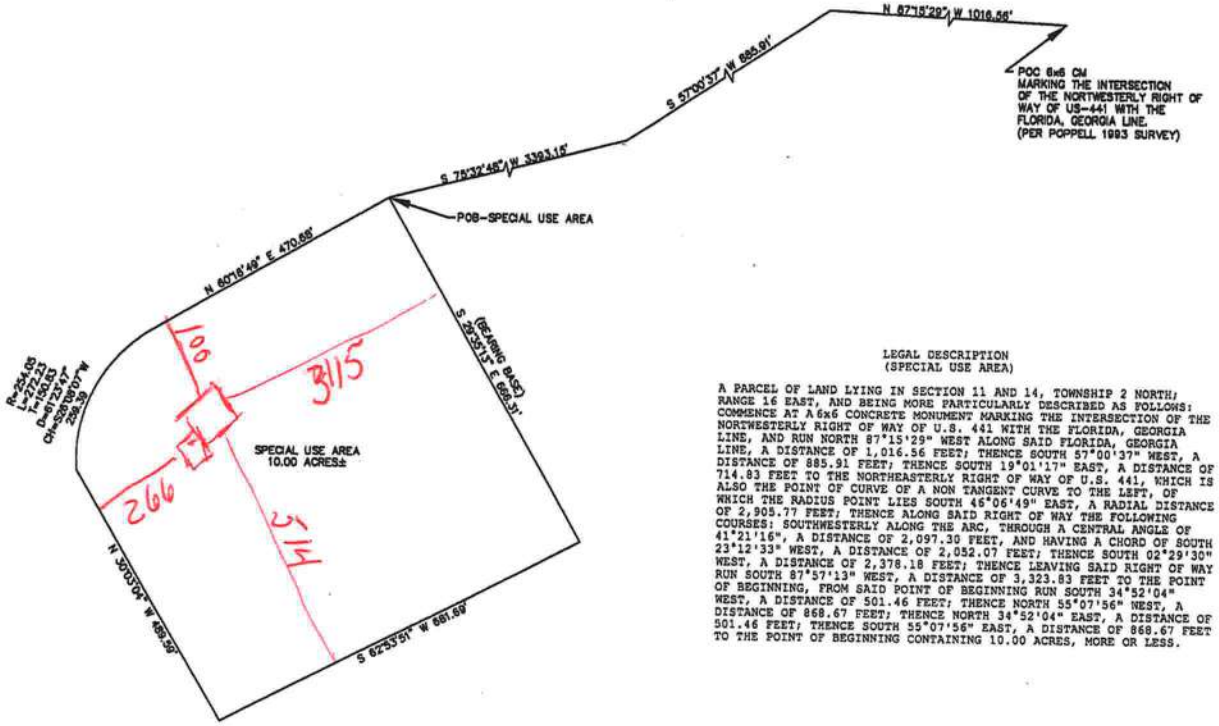
- x = FENCE
- ● = NAIL & CAP
- ■ = FOUND 4x4 CONCRETE MONUMENT
- ■ = SET CONCRETE MONUMENT #7322
- ● = SET 1/2" REBAR #7322
- ● = FOUND 1/2" REBAR OR IRON PIPE
- D.O.T. = DEPARTMENT OF TRANSPORTATION
- DR = DRIVE
- D/W = DRIVE WAY
- FM = FIELD MEASURED
- FN = FOUND NAIL
- GW = GUY WIRE
- HWL = HIGH WATER LINE
- LP = LIGHT POLE
- MSL = MEAN SEA LEVEL
- N&D = NAIL & DISK
- NGVD = NATIONAL GEODETIC VERTICAL DATUM
- OE = OVER HEAD ELECTRIC
- P = PLAT
- PAT = PATIO
- PB = PLAT BOOK
- OR = OFFICIAL RECORD
- EN = ENCROACHMENT
- PC = POINT OF CURVATURE
- PT = POINT OF TANGENCY
- FND = FOUND
- POB = POINT OF BEGINNING
- POC = POINT OF COMMENCEMENT
- S/D = SUBDIVISION
- Δ = CENTRAL ANGLE
- R = RADIUS
- T = TANGENT
- L = LENGTH OF CURVE
- ( ) = DEED CALL
- R/W = RIGHT OF WAY
- CMP = CORRUGATED METAL PIPE
- RCP = REINFORCED CONCRETE PIPE
- ☼ = POWER POLE
- SS = SEWERLINE " PVC
- PL = PROPERTY LINE
- ℄ = CENTERLINE

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

ASSUMED BEARING BASE EAST PROPERTY LINE



LEGAL DESCRIPTION
(SPECIAL USE AREA)

A PARCEL OF LAND LYING IN SECTION 11 AND 14, TOWNSHIP 2 NORTH; RANGE 16 EAST, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT A 6x6 CONCRETE MONUMENT MARKING THE INTERSECTION OF THE NORTWESTERLY RIGHT OF WAY OF U.S. 441 WITH THE FLORIDA, GEORGIA LINE, AND RUN NORTH 87°15'29" WEST ALONG SAID FLORIDA, GEORGIA LINE, A DISTANCE OF 1,016.56 FEET; THENCE SOUTH 57°00'37" WEST, A DISTANCE OF 885.91 FEET; THENCE SOUTH 19°01'17" EAST, A DISTANCE OF 714.83 FEET TO THE NORTHEASTERLY RIGHT OF WAY OF U.S. 441, WHICH IS ALSO THE POINT OF CURVE OF A NON TANGENT CURVE TO THE LEFT, OF WHICH THE RADIUS POINT LIES SOUTH 46°06'49" EAST, A RADIAL DISTANCE OF 2,905.77 FEET; THENCE ALONG SAID RIGHT OF WAY THE FOLLOWING COURSES: SOUTHWESTERLY ALONG THE ARC, THROUGH A CENTRAL ANGLE OF 41°21'16", A DISTANCE OF 2,097.30 FEET, AND HAVING A CHORD OF SOUTH 23°12'33" WEST, A DISTANCE OF 2,052.07 FEET; THENCE SOUTH 02°29'30" WEST, A DISTANCE OF 2,378.18 FEET; THENCE LEAVING SAID RIGHT OF WAY RUN SOUTH 87°57'13" WEST, A DISTANCE OF 3,323.83 FEET TO THE POINT OF BEGINNING, FROM SAID POINT OF BEGINNING RUN SOUTH 34°52'04" WEST, A DISTANCE OF 501.46 FEET; THENCE NORTH 55°07'56" WEST, A DISTANCE OF 868.67 FEET; THENCE NORTH 34°52'04" EAST, A DISTANCE OF 501.46 FEET; THENCE SOUTH 55°07'56" EAST, A DISTANCE OF 868.67 FEET TO THE POINT OF BEGINNING CONTAINING 10.00 ACRES, MORE OR LESS.

DECLARATION AND CERTIFICATION IS MADE TO THE ORIGINAL PURCHASER, TITLE COMPANY, AND MORTGAGE HOLDER OF THIS SURVEY AND IS NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.

NOTE: NO IMPROVEMENTS LOCATED
NOTHING LOCATED UNDERGROUND

I hereby certify this to be a true and accurate representation of the property shown hereon to the best of my knowledge and belief, and that this survey complies with the minimum technical standards as established in Rule 61G17 Fla. Adm. Code.

WALTON F. POPPELL FLA. R.L.S. #2940 LB #7322 — DATE

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

NOTE: NO TITLE OPINION OR ABSTRACT PROVIDED THERE MAY BE OTHER INSTRUMENTS OF RECORD THAT COULD AFFECT THIS PROPERTY.

POPPELL, PUTNAL, & ASSOCIATES INC.
LAND SURVEYORS

FIELD DATE: 7/18/07	SCALE: 1"=200'	(850)973-2472
DRAWN DATE: 12/19/07	1651 EAST MAIN STREET MADISON, FLORIDA 32340	FAX (850)973-1281
	BOOK NUMBER:	DRAWN BY: ELK
	WORKSHEET	JOB NUMBER: 07-187

OF A PORTION OF LAND LYING IN GEORGIA LOT 574, OF THE 13th LAND DISTRICT COLUMBIA COUNTY, FLORIDA

McDANIELS

B 26702

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and inaccordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.
IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Tax Parcel ID Number 00-2N-16-01443-000 Permit Number 26702

1. Description of property: (legal description of the property and street address or 911 address)
625 NW Carter Rd, White Springs FL 32096

2. General description of improvement: New Home

3. Owner Name & Address Gail C. McDaniel 625 NW Carter Rd White Springs FL 32096 Interest in Property Owner

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

5. Contractor Name SLK Construction Inc. Phone Number 386 497 2289
Address 264 SW Riverside Av Ft White FL 32038

6. Surety Holders Name — Phone Number —
Address —
Amount of Bond —

7. Lender Name —
Address —

Inst:200812002184 Date:2/4/2008 Time:3:37 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1

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

Name — Phone Number —
Address —

9. In addition to himself/herself the owner designates Sam L Keen of SLK Construction Inc. to receive a copy of the Lien Notice as provided in Section 713.13 (1) –

(a) 7. Phone Number of the designee —

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

THE OWNER MUST SIGN THE NOTICE OF COMMENCEMENT AND NO ONE ELSE MAY BE PERMITTED TO SIGN IN HIS/HER STEAD.

Virginia Gail C McDaniel
Signature of Owner

Sworn to (or affirmed) and subscribed before day of December 19, 2007.

Lisa Huchingson
Signature of Notary

NOTARY STAMP/SEAL

Lisa Huchingson
MY COMMISSION # DD607758
EXPIRES: October 23, 2010
(407)398-0153 FloridaNotaryService.com

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 74-2N-16-01443-000 **Building permit No.** 000026702

Use Classification SFD/UTILITY **Fire:** 146.60

Permit Holder GUY N. WILLIAMS **Waste:** 201.00

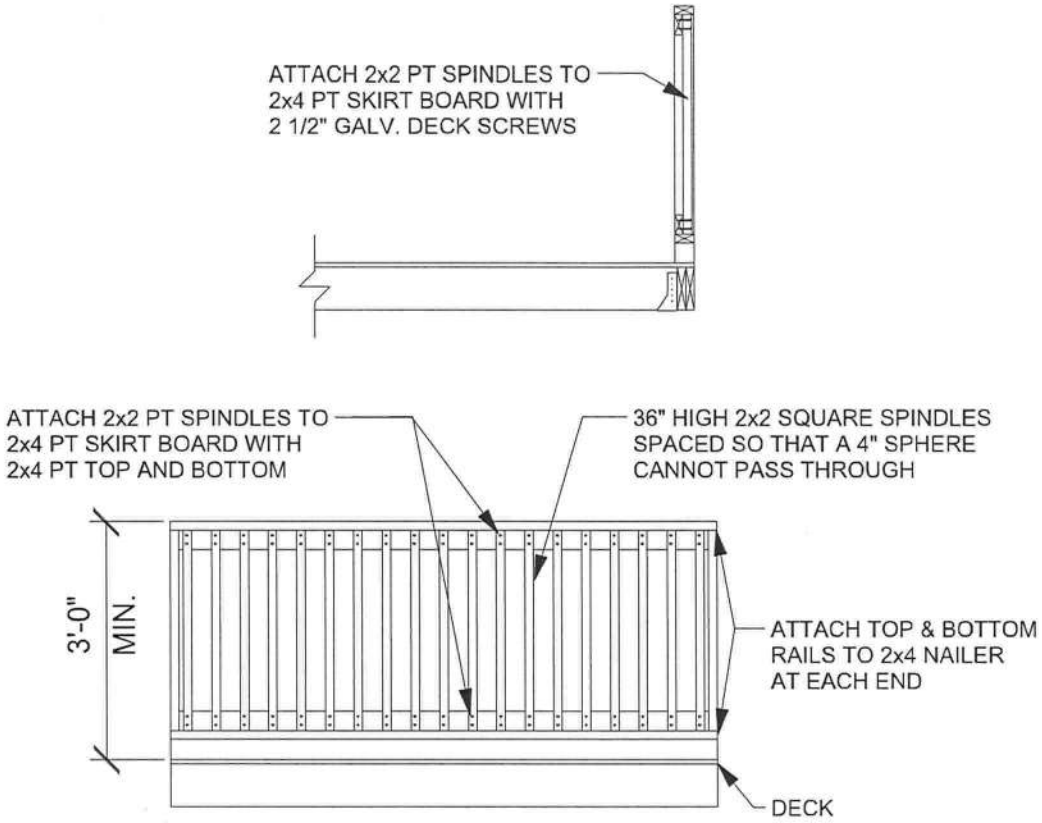
Owner of Building GAIL C. MCDANIEL **Total:** 347.60

Location: 625 NW CARTER ROAD

Date: 10/15/2008

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



N7 GUARDRAIL DETAIL

SCALE: NTS

PRODUCT APPROVAL SPECIFICATION SHEET

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			FL 424.1
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG			FL 6029.2
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			FL 884.122
B. SOFFITS			FL 2641
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			FL 2419.3
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			FL 3781
B. WOOD ANCHORS			
C. TRUSS PLATES			FL 1998
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

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

Sean L Lewis Jr
APPLICANT SIGNATURE

12/10/07
DATE

R-1305 01-04

Residential System Sizing Calculation

Summary

Gail C. McDaniel
625 NW Carter Rd.
White Springs, FL

Project Title:
709281SLKConstruction

Class 3 Rating
Registration No. 0
Climate: North

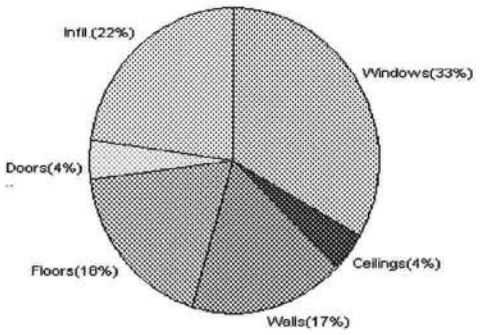
11/20/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**42604**	**Btuh**	**Total cooling load calculation**	**40823**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	117.4	50000	Sensible (SHR = 0.75)	109.1	37500
Heat Pump + Auxiliary(0.0kW)	117.4	50000	Latent	193.8	12500
			Total (Electric Heat Pump)	122.5	50000

WINTER CALCULATIONS

Winter Heating Load (for 2388 sqft)

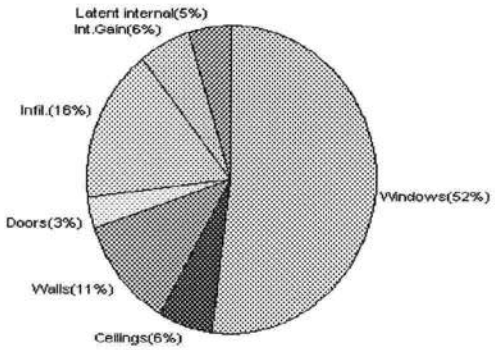
Load component			Load	
Window total	441	sqft	14196	Btuh
Wall total	2239	sqft	7353	Btuh
Door total	140	sqft	1813	Btuh
Ceiling total	1534	sqft	1808	Btuh
Floor total	180	sqft	7859	Btuh
Infiltration	236	cfm	9576	Btuh
Duct loss			0	Btuh
Subtotal			**42604**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**42604**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2388 sqft)

Load component			Load	
Window total	441	sqft	21223	Btuh
Wall total	2239	sqft	4670	Btuh
Door total	140	sqft	1372	Btuh
Ceiling total	1534	sqft	2540	Btuh
Floor total			0	Btuh
Infiltration	122	cfm	2267	Btuh
Internal gain			2300	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**34372**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			4451	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			2000	Btuh
Total latent gain			**6451**	**Btuh**
TOTAL HEAT GAIN			**40823**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: Don Gail
DATE: 11-21-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Gail C. McDaniel
625 NW Carter Rd.
White Springs, FL

Project Title:
709281SLKConstruction

Class 3 Rating
Registration No. 0
Climate: North

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

11/20/2007

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

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	20.0	32.2	644 Btuh
2	2, Clear, Metal, 0.87	NW	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	NE	30.0	32.2	966 Btuh
4	2, Clear, Metal, 0.87	NE	12.0	32.2	386 Btuh
5	2, Clear, Metal, 0.87	NE	12.0	32.2	386 Btuh
6	2, Clear, Metal, 0.87	NE	24.0	32.2	773 Btuh
7	2, Clear, Metal, 0.87	SE	72.0	32.2	2318 Btuh
8	2, Clear, Metal, 0.87	SE	10.0	32.2	322 Btuh
9	2, Clear, Metal, 0.87	SW	20.0	32.2	644 Btuh
10	2, Clear, Metal, 0.87	SW	16.0	32.2	515 Btuh
11	2, Clear, Metal, 0.87	NW	15.0	32.2	483 Btuh
12	2, Clear, Metal, 0.87	NE	45.0	32.2	1449 Btuh
13	2, Clear, Metal, 0.87	NE	9.0	32.2	290 Btuh
14	2, Clear, Metal, 0.87	SE	54.0	32.2	1738 Btuh
15	2, Clear, Metal, 0.87	SW	36.0	32.2	1159 Btuh
16	2, Clear, Metal, 0.87	SE	16.0	32.2	515 Btuh
17	2, Clear, Metal, 0.87	SW	30.0	32.2	966 Btuh
	Window Total		441(sqft)		14196 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	2239	3.3	7353 Btuh
	Wall Total		2239		7353 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		60	12.9	777 Btuh
3	Insulated - Exterior		60	12.9	777 Btuh
	Door Total		140		1813Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1534	1.2	1808 Btuh
	Ceiling Total		1534		1808Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	180.0 ft(p)	43.7	7859 Btuh
	Floor Total		180		7859 Btuh
			Zone Envelope Subtotal:		33028 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	21492	236.4	9576 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**42604 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Gail C. McDaniel
625 NW Carter Rd.
White Springs, FL

Project Title:
709281SLKConstruction

Class 3 Rating
Registration No. 0
Climate: North

11/20/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	42604 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	42604 Btuh

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

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Gail C. McDaniel
625 NW Carter Rd.
White Springs, FL

Project Title:
709281SLKConstruction

Class 3 Rating
Registration No. 0
Climate: North

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

11/20/2007

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

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	20.0	32.2	644 Btuh
2	2, Clear, Metal, 0.87	NW	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	NE	30.0	32.2	966 Btuh
4	2, Clear, Metal, 0.87	NE	12.0	32.2	386 Btuh
5	2, Clear, Metal, 0.87	NE	12.0	32.2	386 Btuh
6	2, Clear, Metal, 0.87	NE	24.0	32.2	773 Btuh
7	2, Clear, Metal, 0.87	SE	72.0	32.2	2318 Btuh
8	2, Clear, Metal, 0.87	SE	10.0	32.2	322 Btuh
9	2, Clear, Metal, 0.87	SW	20.0	32.2	644 Btuh
10	2, Clear, Metal, 0.87	SW	16.0	32.2	515 Btuh
11	2, Clear, Metal, 0.87	NW	15.0	32.2	483 Btuh
12	2, Clear, Metal, 0.87	NE	45.0	32.2	1449 Btuh
13	2, Clear, Metal, 0.87	NE	9.0	32.2	290 Btuh
14	2, Clear, Metal, 0.87	SE	54.0	32.2	1738 Btuh
15	2, Clear, Metal, 0.87	SW	36.0	32.2	1159 Btuh
16	2, Clear, Metal, 0.87	SE	16.0	32.2	515 Btuh
17	2, Clear, Metal, 0.87	SW	30.0	32.2	966 Btuh
	Window Total		441(sqft)		14196 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	2239	3.3	7353 Btuh
	Wall Total		2239		7353 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		60	12.9	777 Btuh
3	Insulated - Exterior		60	12.9	777 Btuh
	Door Total		140		1813Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1534	1.2	1808 Btuh
	Ceiling Total		1534		1808Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	180.0 ft(p)	43.7	7859 Btuh
	Floor Total		180		7859 Btuh
			Zone Envelope Subtotal:		33028 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	21492	236.4	9576 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**42604 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Gail C. McDaniel
625 NW Carter Rd.
White Springs, FL

Project Title:
709281SLKConstruction

Class 3 Rating
Registration No. 0
Climate: North

11/20/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	42604 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	42604 Btuh

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Gail C. McDaniel
625 NW Carter Rd.
White Springs, FL

Project Title:
709281SLKConstruction

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 11/20/2007

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

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	19ft.	7ft.	20.0	0.0	20.0	29	60	1201 Btuh
2	2, Clear, 0.87, None,N,N	NW	7ft.	7ft.	20.0	0.0	20.0	29	60	1201 Btuh
3	2, Clear, 0.87, None,N,N	NE	1.5ft.	7ft.	30.0	0.0	30.0	29	60	1801 Btuh
4	2, Clear, 0.87, None,N,N	NE	1.5ft.	6ft.	12.0	0.0	12.0	29	60	720 Btuh
5	2, Clear, 0.87, None,N,N	NE	1.5ft.	0ft.	12.0	0.0	12.0	29	60	720 Btuh
6	2, Clear, 0.87, None,N,N	NE	1.5ft.	0ft.	24.0	0.0	24.0	29	60	1441 Btuh
7	2, Clear, 0.87, None,N,N	SE	10ft.	8ft.	72.0	72.0	0.0	29	63	2085 Btuh
8	2, Clear, 0.87, None,N,N	SE	10ft.	7ft.	10.0	10.0	0.0	29	63	290 Btuh
9	2, Clear, 0.87, None,N,N	SW	10ft.	7ft.	20.0	20.0	0.0	29	63	579 Btuh
10	2, Clear, 0.87, None,N,N	SW	1.5ft.	0ft.	16.0	16.0	0.0	29	63	463 Btuh
11	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	15.0	0.0	15.0	29	60	901 Btuh
12	2, Clear, 0.87, None,N,N	NE	1.5ft.	5.5ft.	45.0	0.0	45.0	29	60	2702 Btuh
13	2, Clear, 0.87, None,N,N	NE	1.5ft.	3.5ft.	9.0	0.0	9.0	29	60	540 Btuh
14	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.16	54.0	22.3	31.7	29	63	2629 Btuh
15	2, Clear, 0.87, None,N,N	SW	1.5ft.	5.16	36.0	14.9	21.1	29	63	1753 Btuh
16	2, Clear, 0.87, None,N,N	SE	1.5ft.	4.5ft.	16.0	8.1	7.9	29	63	729 Btuh
17	2, Clear, 0.87, None,N,N	SW	1.5ft.	5.5ft.	30.0	12.1	17.9	29	63	1468 Btuh
	Window Total				441 (sqft)					21223 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	2239.0	2.1	4670 Btuh
	Wall Total		2239 (sqft)		4670 Btuh
Doors	Type		Area (sqft)	HTM	Load
1	Insulated - Adjacent		20.0	9.8	196 Btuh
2	Insulated - Exterior		60.0	9.8	588 Btuh
3	Insulated - Exterior		60.0	9.8	588 Btuh
	Door Total		140 (sqft)		1372 Btuh
Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1534.0	1.7	2540 Btuh
	Ceiling Total		1534 (sqft)		2540 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	180 (ft(p))	0.0	0 Btuh
	Floor Total		180.0 (sqft)		0 Btuh
				Zone Envelope Subtotal:	29806 Btuh

Infiltration	Type	ACH		Volume(cuft)		CFM=	Load
	SensibleNatural	0.34		21492		121.8	2267 Btuh
Internal gain		Occupants		Btuh/occupant		Appliance	Load
		10	X	230	+	0	2300 Btuh
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)					DGM = 0.00	0.0 Btuh
					Sensible Zone Load		**34372 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Gail C. McDaniel
625 NW Carter Rd.
White Springs, FL

Project Title:
709281SLKConstruction

Class 3 Rating
Registration No. 0
Climate: North

11/20/2007

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**34372 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**34372 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**34372 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	4451 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (10 people @ 200 Btuh per person)	2000 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**6451 Btuh**
	TOTAL GAIN	**40823 Btuh**

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

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Gail C. McDaniel
625 NW Carter Rd.
White Springs, FL

Project Title:
709281SLKConstruction

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 11/20/2007
This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	19ft.	7ft.	20.0	0.0	20.0	29	60	1201 Btuh
2	2, Clear, 0.87, None,N,N	NW	7ft.	7ft.	20.0	0.0	20.0	29	60	1201 Btuh
3	2, Clear, 0.87, None,N,N	NE	1.5ft.	7ft.	30.0	0.0	30.0	29	60	1801 Btuh
4	2, Clear, 0.87, None,N,N	NE	1.5ft.	6ft.	12.0	0.0	12.0	29	60	720 Btuh
5	2, Clear, 0.87, None,N,N	NE	1.5ft.	0ft.	12.0	0.0	12.0	29	60	720 Btuh
6	2, Clear, 0.87, None,N,N	NE	1.5ft.	0ft.	24.0	0.0	24.0	29	60	1441 Btuh
7	2, Clear, 0.87, None,N,N	SE	10ft.	8ft.	72.0	72.0	0.0	29	63	2085 Btuh
8	2, Clear, 0.87, None,N,N	SE	10ft.	7ft.	10.0	10.0	0.0	29	63	290 Btuh
9	2, Clear, 0.87, None,N,N	SW	10ft.	7ft.	20.0	20.0	0.0	29	63	579 Btuh
10	2, Clear, 0.87, None,N,N	SW	1.5ft.	0ft.	16.0	16.0	0.0	29	63	463 Btuh
11	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	15.0	0.0	15.0	29	60	901 Btuh
12	2, Clear, 0.87, None,N,N	NE	1.5ft.	5.5ft.	45.0	0.0	45.0	29	60	2702 Btuh
13	2, Clear, 0.87, None,N,N	NE	1.5ft.	3.5ft.	9.0	0.0	9.0	29	60	540 Btuh
14	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.16	54.0	22.3	31.7	29	63	2629 Btuh
15	2, Clear, 0.87, None,N,N	SW	1.5ft.	5.16	36.0	14.9	21.1	29	63	1753 Btuh
16	2, Clear, 0.87, None,N,N	SE	1.5ft.	4.5ft.	16.0	8.1	7.9	29	63	729 Btuh
17	2, Clear, 0.87, None,N,N	SW	1.5ft.	5.5ft.	30.0	12.1	17.9	29	63	1468 Btuh
	Window Total				441 (sqft)					21223 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	2239.0	2.1	4670 Btuh
	Wall Total		2239 (sqft)		4670 Btuh
Doors	Type		Area (sqft)	HTM	Load
1	Insulated - Adjacent		20.0	9.8	196 Btuh
2	Insulated - Exterior		60.0	9.8	588 Btuh
3	Insulated - Exterior		60.0	9.8	588 Btuh
	Door Total		140 (sqft)		1372 Btuh
Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	1534.0	1.7	2540 Btuh
	Ceiling Total		1534 (sqft)		2540 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	180 (ft(p))	0.0	0 Btuh
	Floor Total		180.0 (sqft)		0 Btuh
				Zone Envelope Subtotal:	29806 Btuh

Infiltration	Type	ACH		Volume(cuft)		CFM=	Load
	SensibleNatural	0.34		21492		121.8	2267 Btuh
Internal gain		Occupants		Btuh/occupant		Appliance	Load
		10	X	230	+	0	2300 Btuh
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)					DGM = 0.00	0.0 Btuh
					Sensible Zone Load		**34372 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Gail C. McDaniel
625 NW Carter Rd.
White Springs, FL

Project Title:
709281SLKConstruction

Class 3 Rating
Registration No. 0
Climate: North

11/20/2007

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**34372 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**34372 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**34372 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	4451 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (10 people @ 200 Btuh per person)	2000 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**6451 Btuh**
	TOTAL GAIN	**40823 Btuh**

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

For Florida residences only

Residential Window Diversity

MidSummer

Gail C. McDaniel
625 NW Carter Rd.
White Springs, FL

Project Title:
709281SLKConstruction

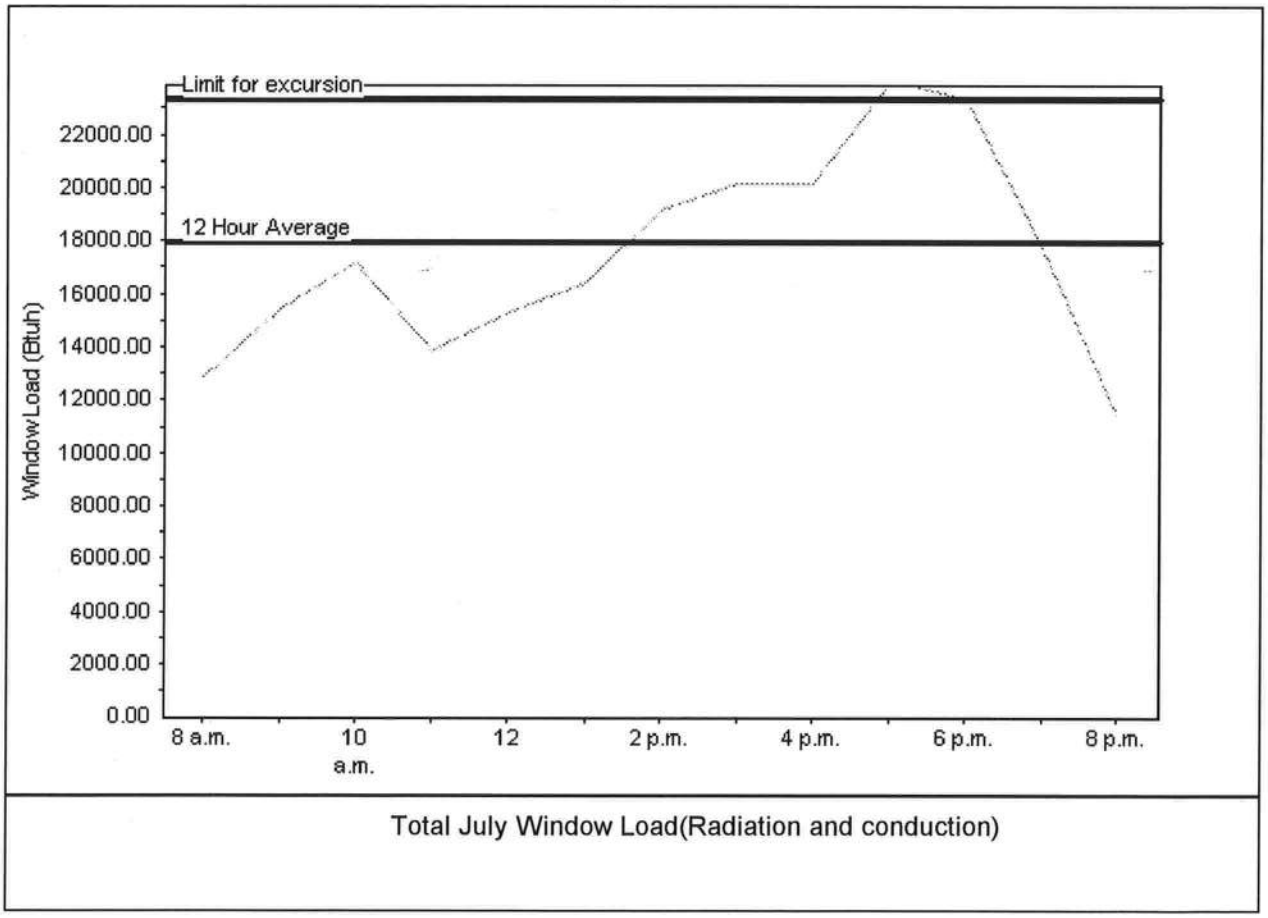
Class 3 Rating
Registration No. 0
Climate: North

11/20/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	17965 Btu
Summer setpoint	75 F	Peak window load for July	24041 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	23354 Btu
Latitude	29 North	Window excursion (July)	687 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY: Greg Lynch
DATE: 11-21-07

TTW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
 Document ID:1TC28228Z0101072057

Truss Fabricator:	Anderson Truss Company
Job Identification:	7-312--SLK Construction River House -- Columbia Cty , **
Truss Count:	58
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.36.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration
	Floor - 55.0 PSF @ 1.00 Duration
	Wind - 110 MPH ASCE 7-02 -Closed

Seal Date: 11/01/2007

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

Notes:

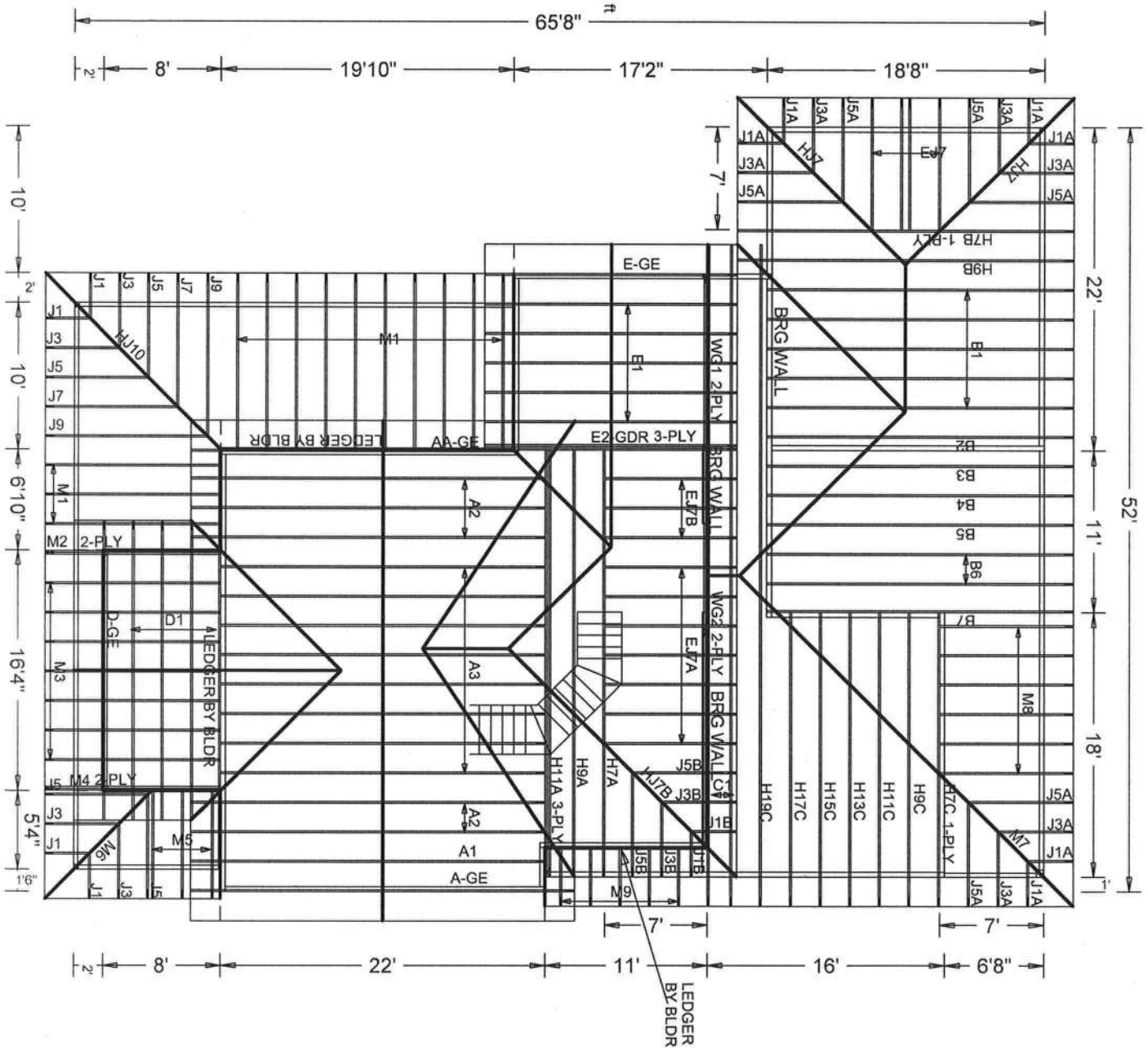
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

Details: A11030EE-GBLLETIN-BRCLBSUB-A11030EC-

#	Ref	Description	Drawing#	Date
1	60341	--A-GE	07304083	10/31/07
2	60342	--A1	07304084	10/31/07
3	60343	--A2	07304085	10/31/07
4	60344	--A3	07304086	10/31/07
5	60345	--AA-GE	07304087	10/31/07
6	60346	--H11A	07304088	10/31/07
7	60347	--H7A	07304089	10/31/07
8	60348	--H9A	07304090	10/31/07
9	60349	--H7B	07304091	10/31/07
10	60350	--H9B	07304092	10/31/07
11	60351	--B1	07304093	10/31/07
12	60352	--B2	07304094	10/31/07
13	60353	--B3	07304095	10/31/07
14	60354	--B4	07304096	10/31/07
15	60355	--B5	07304097	10/31/07
16	60356	--B6	07304098	10/31/07
17	60357	--B7	07304099	10/31/07
18	60358	--H7C	07304100	10/31/07
19	60359	--H9C	07304101	10/31/07
20	60360	--H11C	07304102	10/31/07
21	60361	--H13C	07304103	10/31/07
22	60362	--H15C	07304104	10/31/07
23	60363	--H17C	07304105	10/31/07
24	60364	--H19C	07304106	10/31/07
25	60365	--C1	07304107	10/31/07
26	60366	--D1	07304108	10/31/07
27	60367	--D-GE	07304109	10/31/07
28	60368	--E-GE	07304110	10/31/07
29	60369	--E1	07304067	10/31/07
30	60370	--E2-GDR	07304111	10/31/07
31	60371	--J1	07304112	10/31/07
32	60372	--J3	07304068	10/31/07
33	60373	--J5	07304069	10/31/07
34	60374	--J7	07304070	10/31/07
35	60375	--J9	07304071	10/31/07
36	60376	--EJ7	07304072	10/31/07
37	60377	--J5A	07304073	10/31/07
38	60378	--HJ7	07304113	10/31/07
39	60379	--J3A	07304074	10/31/07
40	60380	--J1A	07304114	10/31/07
41	60381	--J1B	07304115	10/31/07
42	60382	--HJ7B	07304116	10/31/07
43	60383	--J3B	07304075	10/31/07
44	60384	--J5B	07304076	10/31/07
45	60385	--EJ7A	07304077	10/31/07
46	60386	--EJ7B	07304117	10/31/07
47	60387	--M3	07304078	10/31/07
48	60388	--M1	07304079	10/31/07
49	60389	--M6	07304118	10/31/07
50	60390	--HJ10	07304119	10/31/07
51	60391	--M5	07304080	10/31/07
52	60392	--M4	07304120	10/31/07
53	60393	--M2	07304121	10/31/07
54	60394	--M7	07304122	10/31/07
55	60395	--M8	07304081	10/31/07
56	60396	--M9	07304082	10/31/07
57	60397	--WG2	07304123	10/31/07
58	60398	--WG1	07304124	10/31/07

#7-312
SLK CONST.-
RIVER HOUSE

Roof Plane Sheathing Area = 3842 sq. ft
Gable Sheathing Area = 211 sq. ft
Total Sheathing Area = 4053 sq. ft
Fascia Material = 411 linear ft
Valley Flashing Material = 117 linear ft
Ridge Cap Material = 91 linear ft
Hip Ridge Material = 142 linear ft



JOB NO:	JOB DESCRIPTION:: SLK Construction /: River House
7-312	
PAGE NO:	
1 OF 1	

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

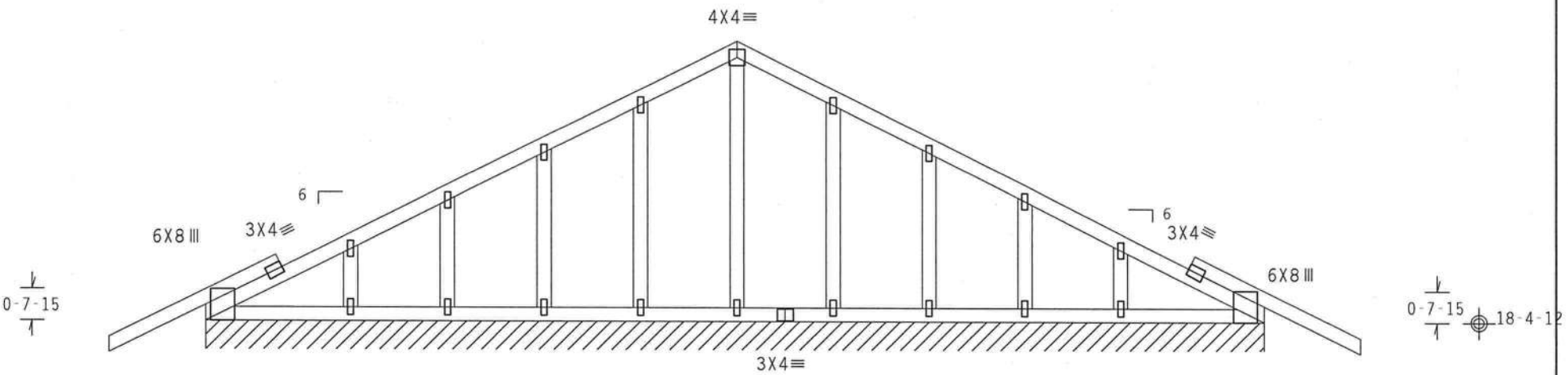
See DWGS A11030EE0207 & GBLLETIN0207 for more requirements.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.

110 mph wind, 21.14 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.0424 1

QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01 07

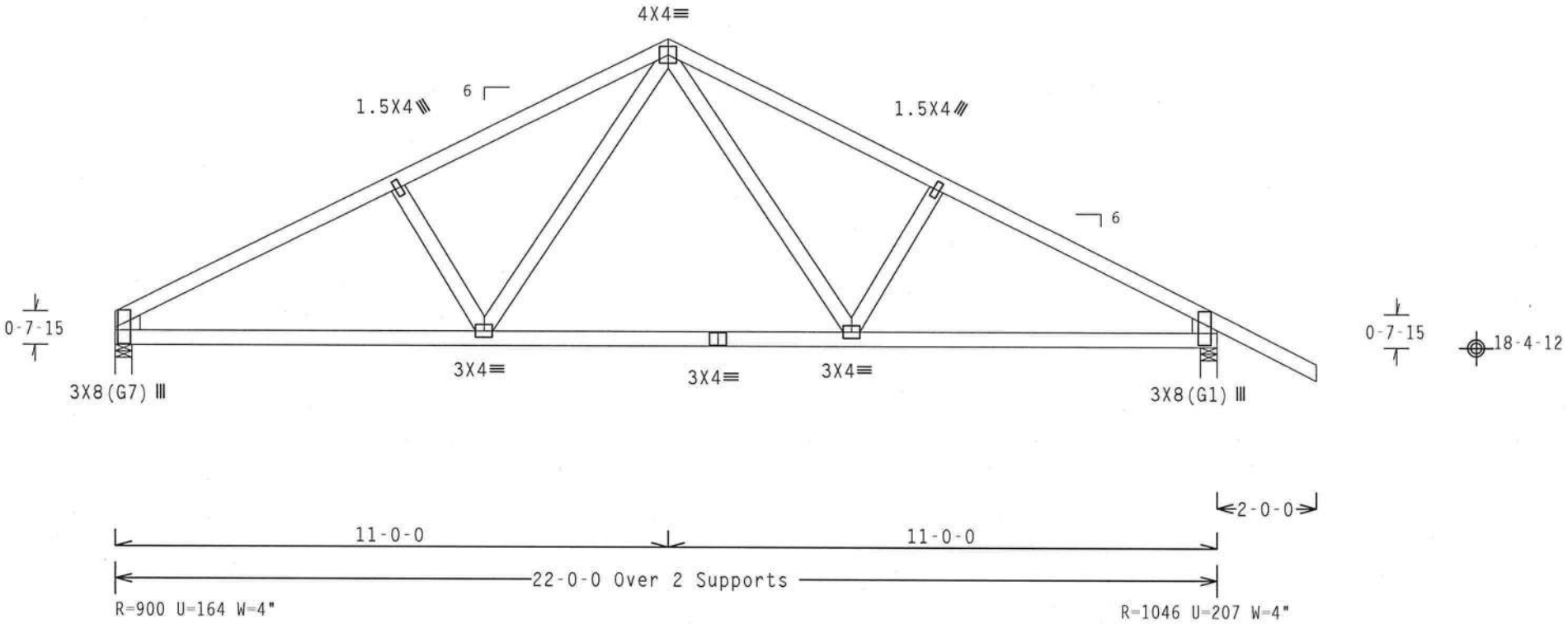
TC LL	20.0 PSF	REF R8228- 60341
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304083
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57981
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3::Rt Stubbed Wedge 2x4 SP #3:

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 21.31 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424.12

PLT TYP. Wave QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov

TC LL	20.0 PSF	REF R8228- 60342
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304084
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57986
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

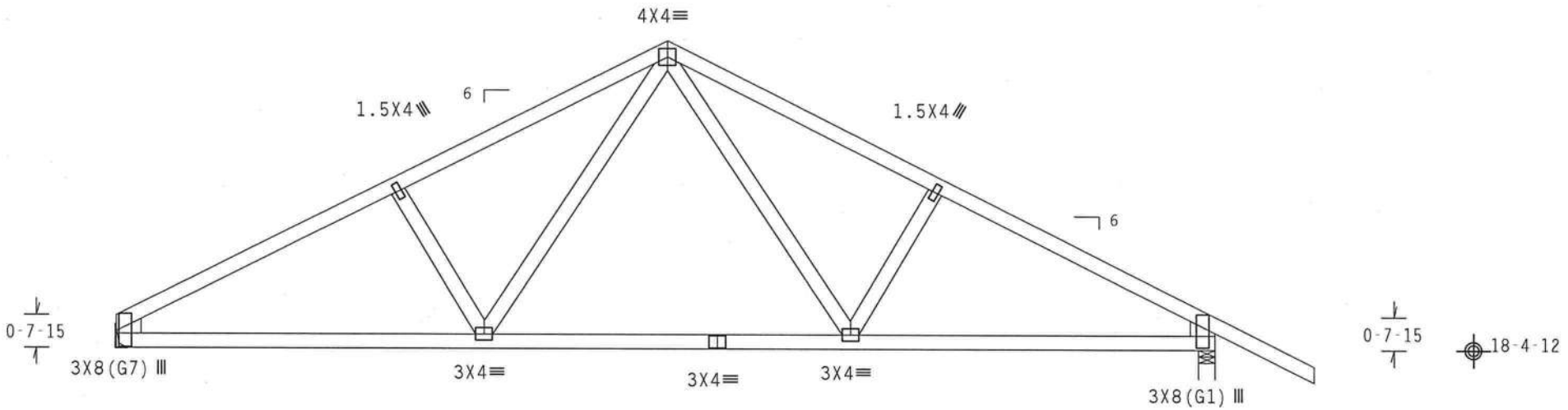
(7-312--SLK Construction River House -- Columbia Cty , ** - A2)

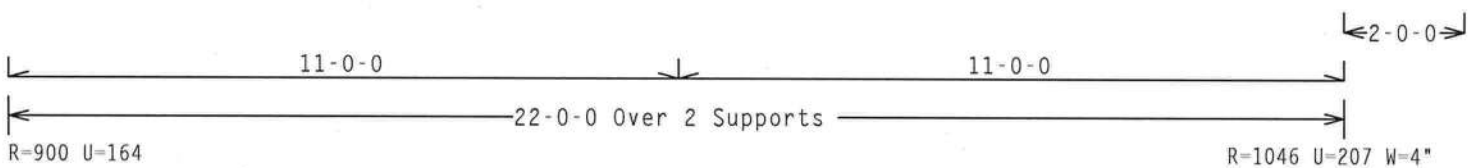
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3::Rt Stubbed Wedge 2x4 SP #3:

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 21.31 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.





Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424.13

PLT TYP. Wave QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0278

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Nov

TC LL	20.0 PSF	REF R8228- 60343
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304085
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57993
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

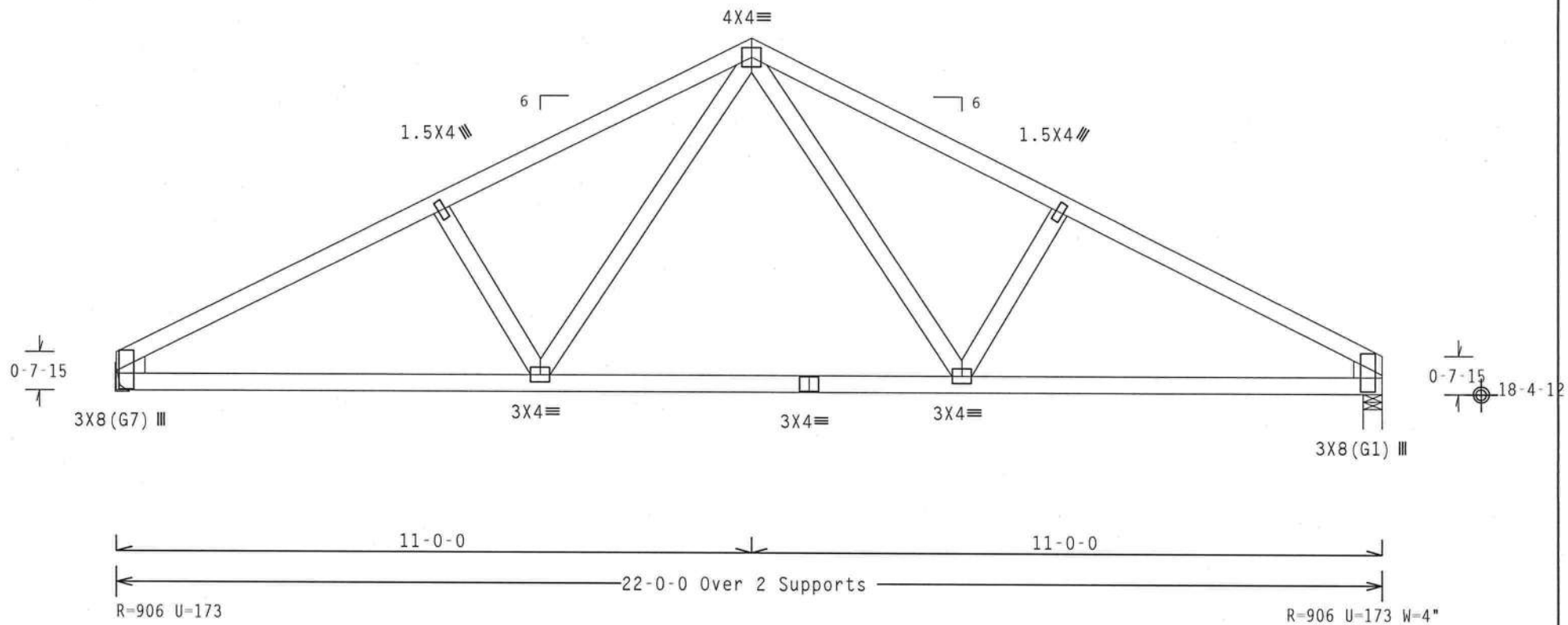
(7-312--SLK Construction River House -- Columbia Cty , ** - A3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3::Rt Stubbed Wedge 2x4 SP #3:

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 21.81 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01 07

TC LL	20.0 PSF	REF	R8228- 60344
TC DL	10.0 PSF	DATE	10/31/07
BC DL	10.0 PSF	DRW	HCUSR8228 07304086
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	58000
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - AA-GE)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

See DWGS A11030EE0207 & GBLLETIN0207 for more requirements.

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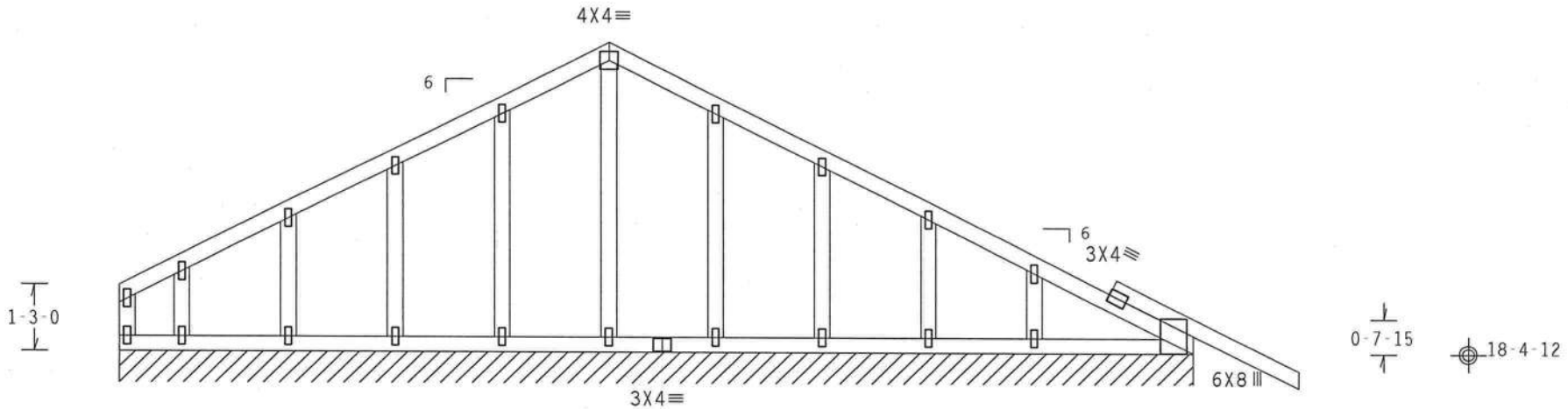

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424.12 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01

TC LL	20.0 PSF	REF	R8228- 60345
TC DL	10.0 PSF	DATE	10/31/07
BC DL	10.0 PSF	DRW	HCUSR8228 07304087
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	58006
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 61 PLF at -2.00 to 61 PLF at 10.63
TC - From 61 PLF at 10.63 to 61 PLF at 16.38
TC - From 61 PLF at 16.38 to 61 PLF at 27.00
BC - From 4 PLF at -2.00 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 27.00
BC - 900 LB Conc. Load at 1.06, 3.06, 21.06, 23.06, 25.06
BC - 906 LB Conc. Load at 5.06, 7.06, 9.06, 11.06, 13.06
15.06, 17.06, 19.06

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

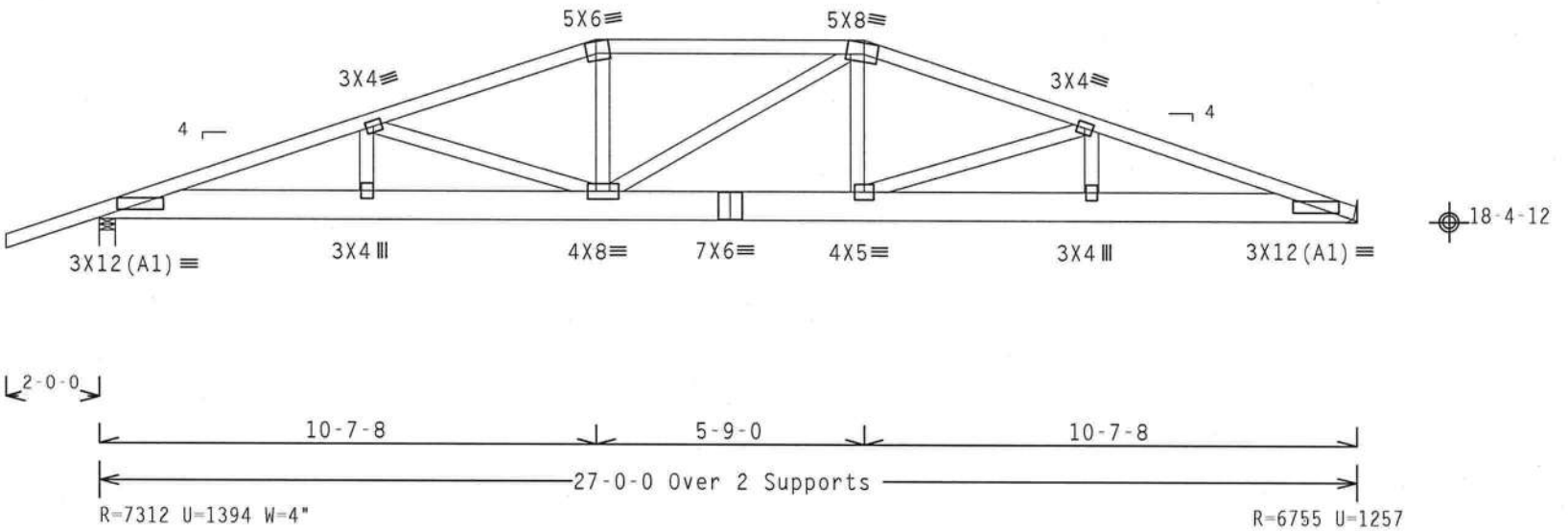
3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 4.25" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 20.16 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 01 2007

TC LL	20.0 PSF	REF	R8228- 60346
TC DL	10.0 PSF	DATE	10/31/07
BC DL	10.0 PSF	DRW	HCUSR8228 07304088
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	58060
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - H7A)

Top chord 2x4 SP #2 Dense :T2 2x6 SP #1 Dense:
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3

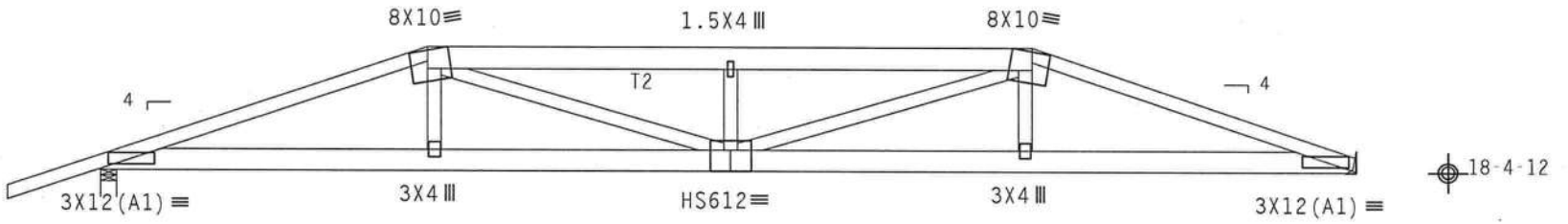
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

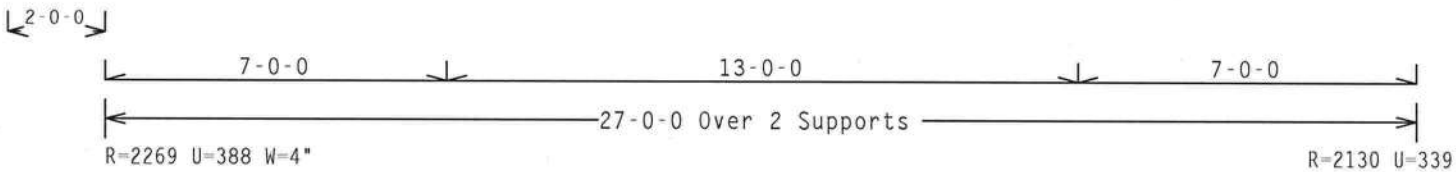
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 19.56 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

#1 hip supports 7-0-0 jacks with no webs.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave | Cq/RT=1.00(1.25)/0(0) | 7.36.0424.12 | QTY:1 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 04,07

TC LL	20.0 PSF	REF R8228- 60347
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304089
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 58044
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - H9A)

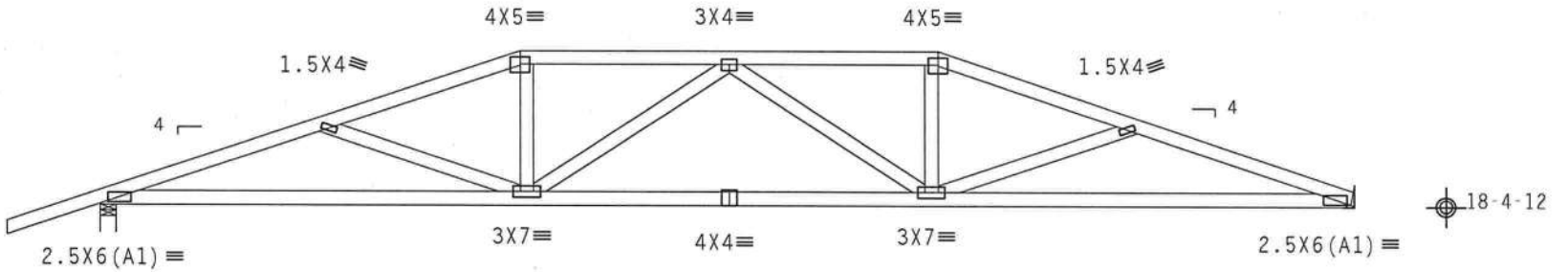
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

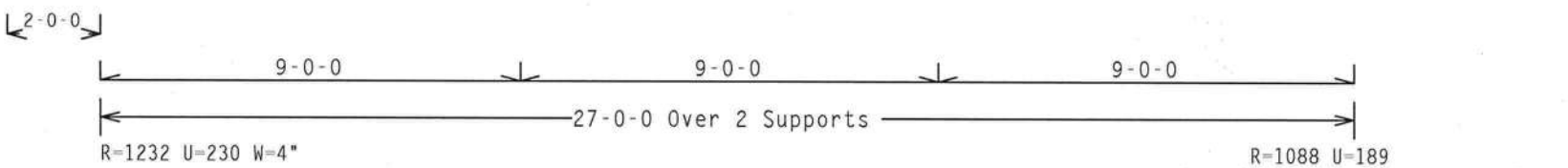
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 19.89 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 1[illegible] QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR. LICENSE No 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 0[illegible]

TC LL	20.0 PSF	REF R8228- 60348
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304090
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 58054
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3::Rt Stubbed Wedge 2x4 SP #3:

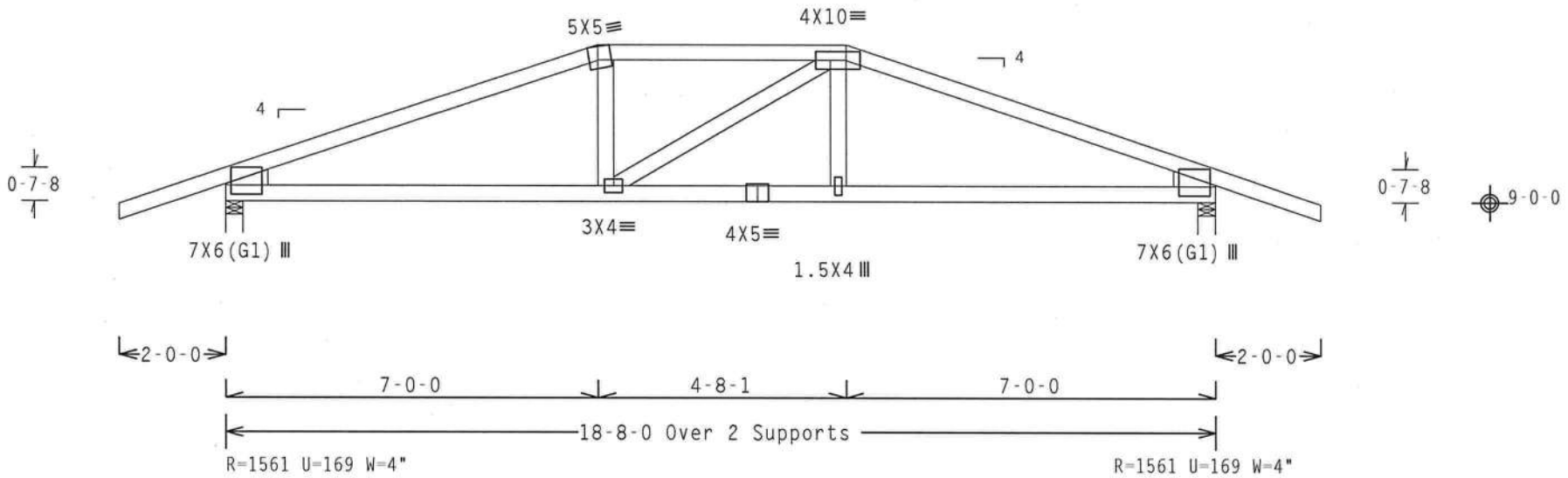
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

#1 hip supports 7-0-0 jacks with no webs.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0278

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JAMES F. COLLINS, P.E. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01 07

TC LL	20.0 PSF	REF R8228- 60349
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304091
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57800
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

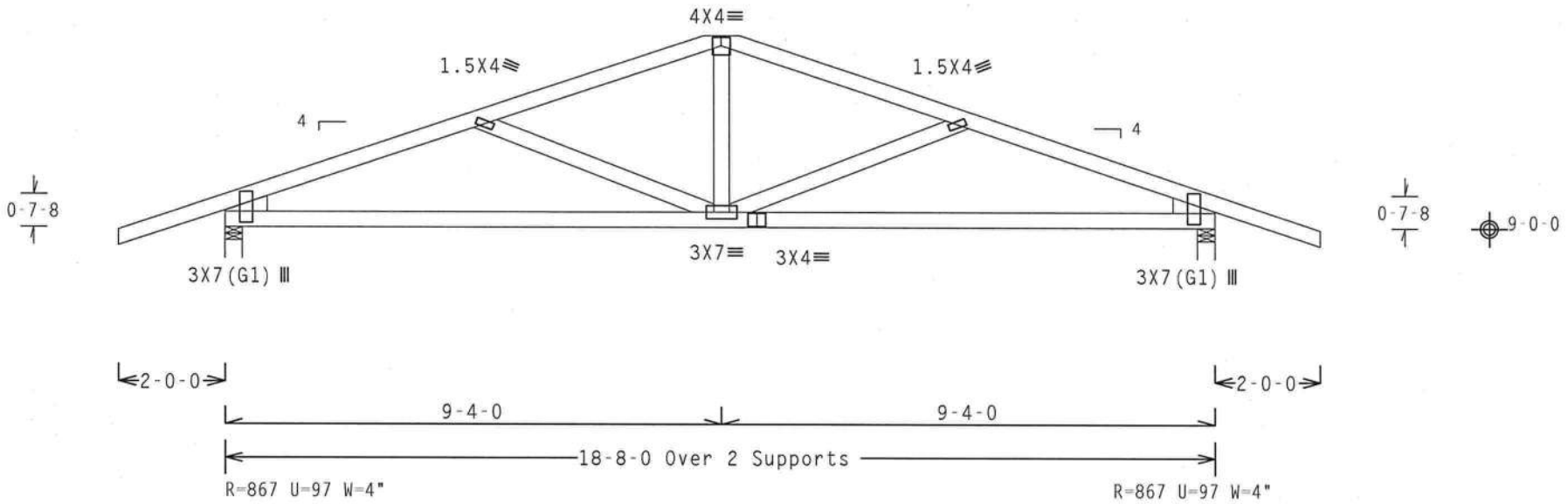
(7-312--SLK Construction River House -- Columbia Cty , ** - H9B)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3::Rt Stubbed Wedge 2x4 SP #3:

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

PLT TYP. Wave

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0278

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JAMES F. COLLINS JR LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01 07

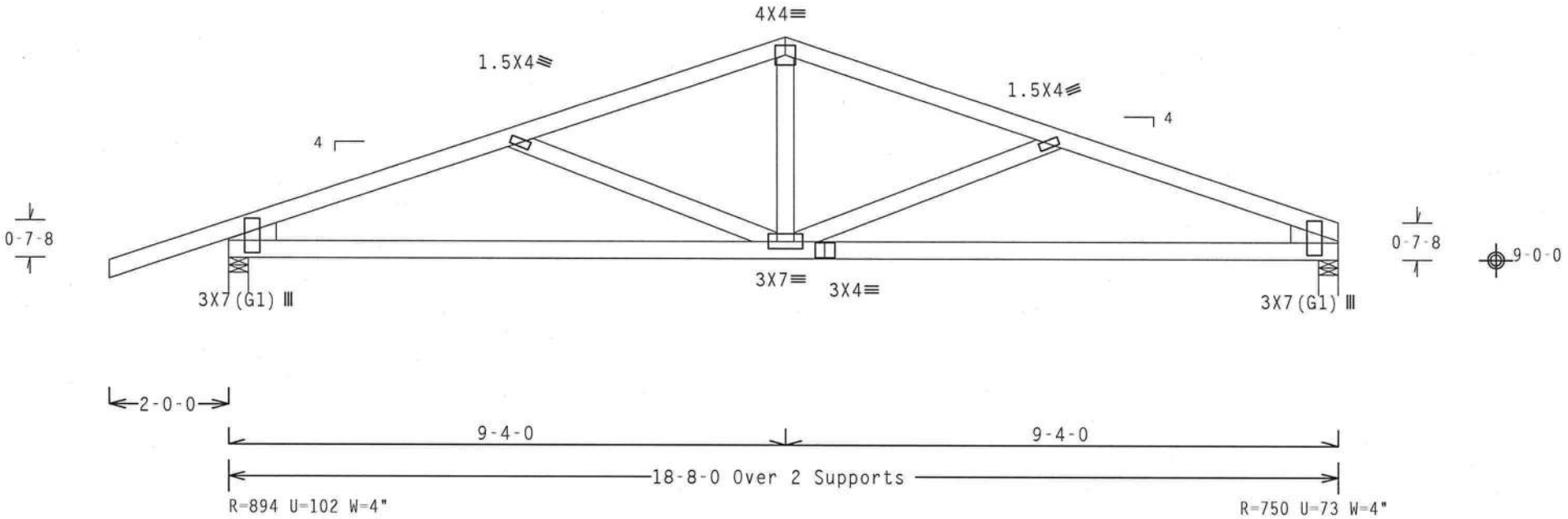
TC LL	20.0 PSF	REF R8228- 60350
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304092
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57805
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3::Rt Stubbed Wedge 2x4 SP #3:

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0278

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JAMES F. COLLINS JR
LICENSE
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov 01 '07

TC LL	20.0 PSF	REF	R8228- 60351
TC DL	10.0 PSF	DATE	10/31/07
BC DL	10.0 PSF	DRW	HCUSR8228 07304093
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	57810
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - B2)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

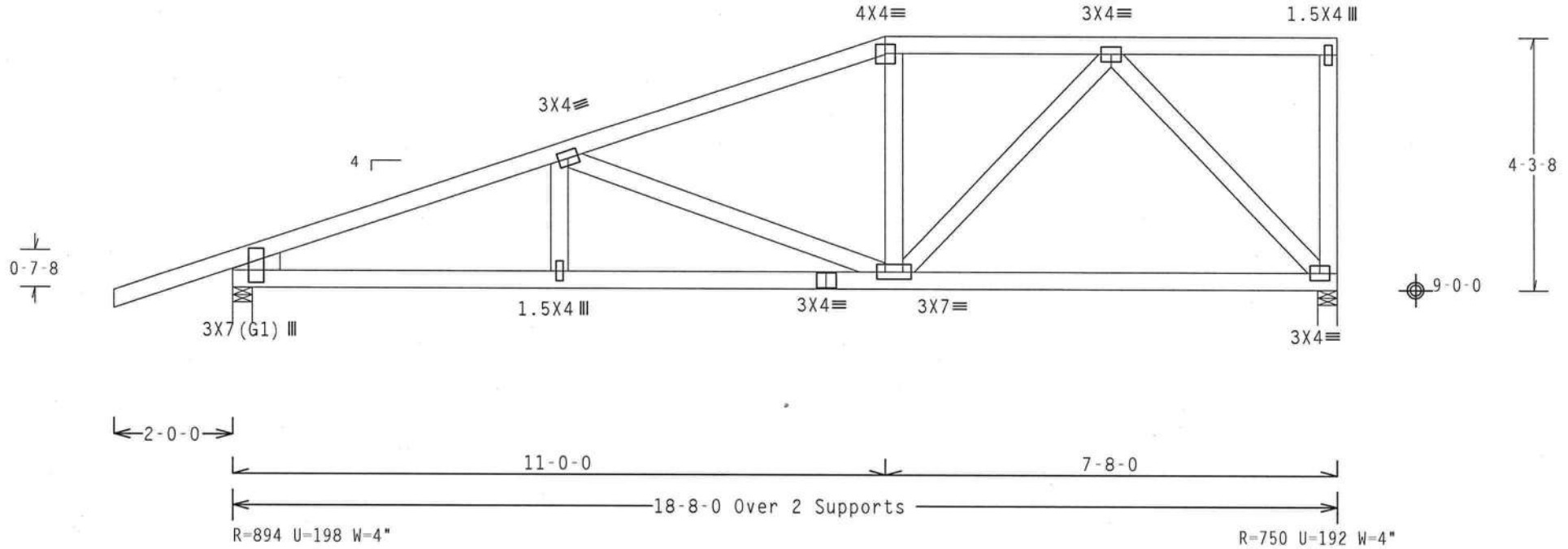
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424.13 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ALPINE
ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0 278

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 0[illegible]

TC LL	20.0 PSF	REF R8228- 60352
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304094
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57913
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

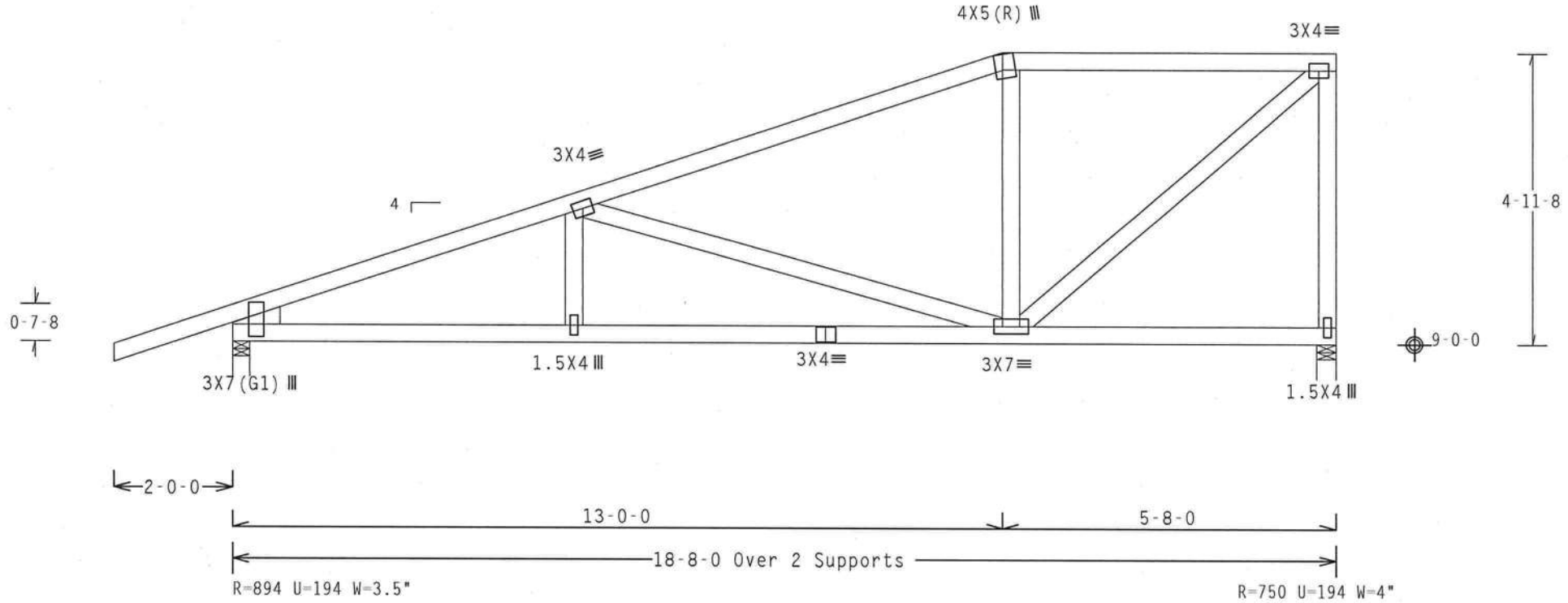
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01 07

TC LL	20.0 PSF	REF R8228- 60353
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304095
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57920
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - B4)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

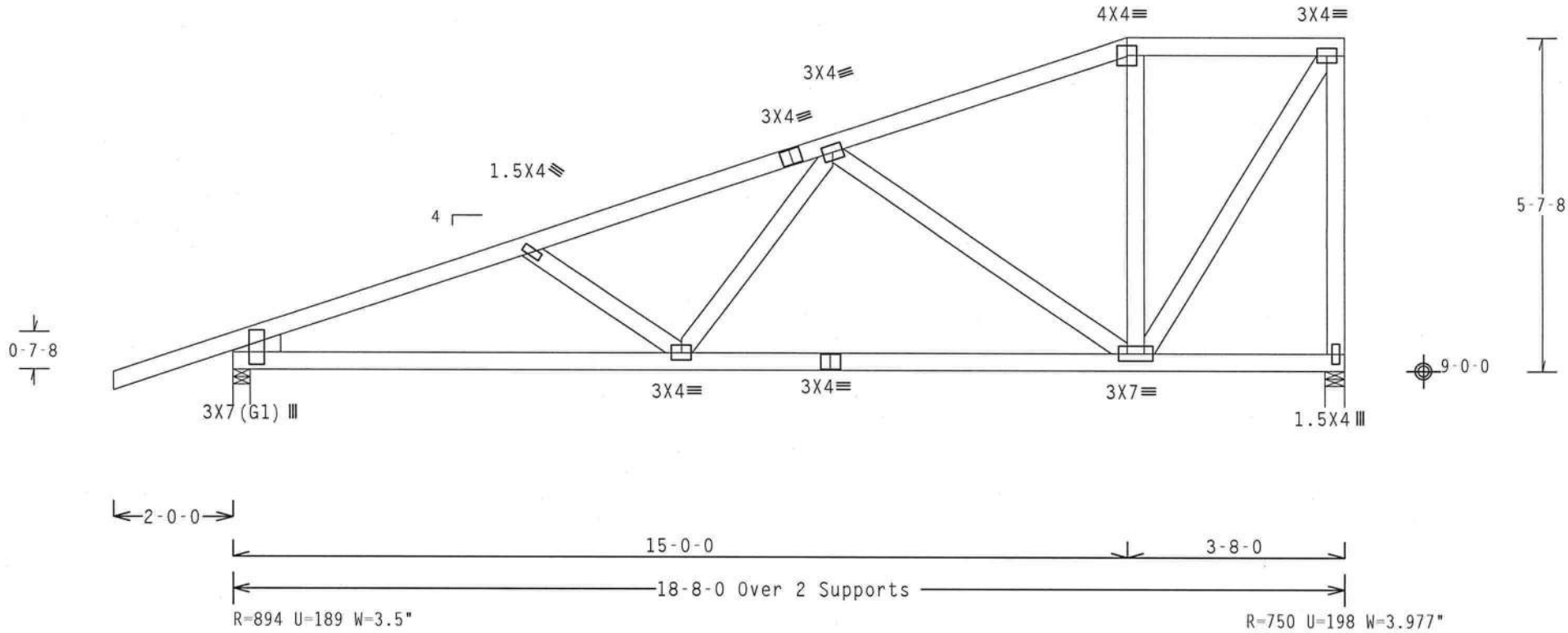
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424.13

PLT TYP. Wave QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01,2007

TC LL	20.0 PSF	REF R8228- 60354
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304096
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57932
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - B5)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

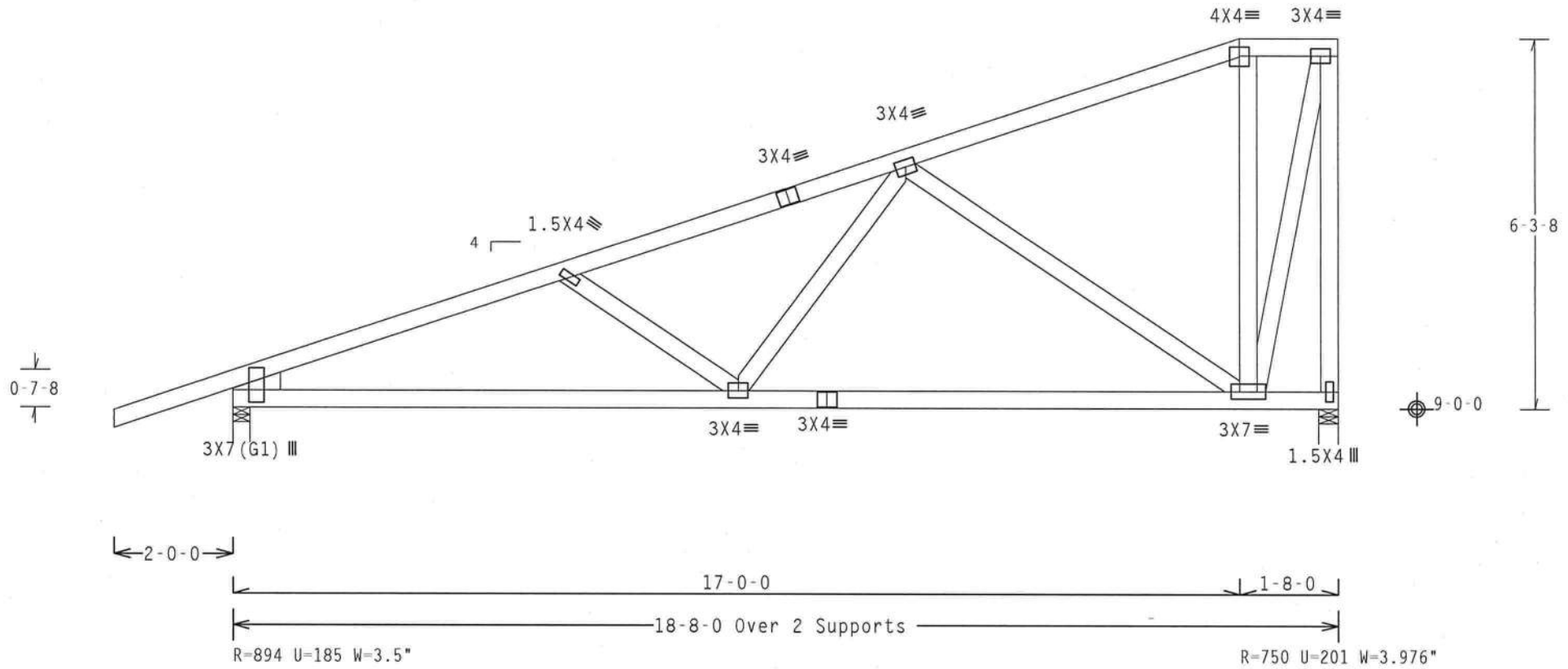
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/0(0) | 7.36.0424 | QTY:1 | FL/-/4/-/-/R/- | Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0.278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 01 07

TC LL	20.0 PSF	REF R8228- 60355
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304097
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57943
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - B6)

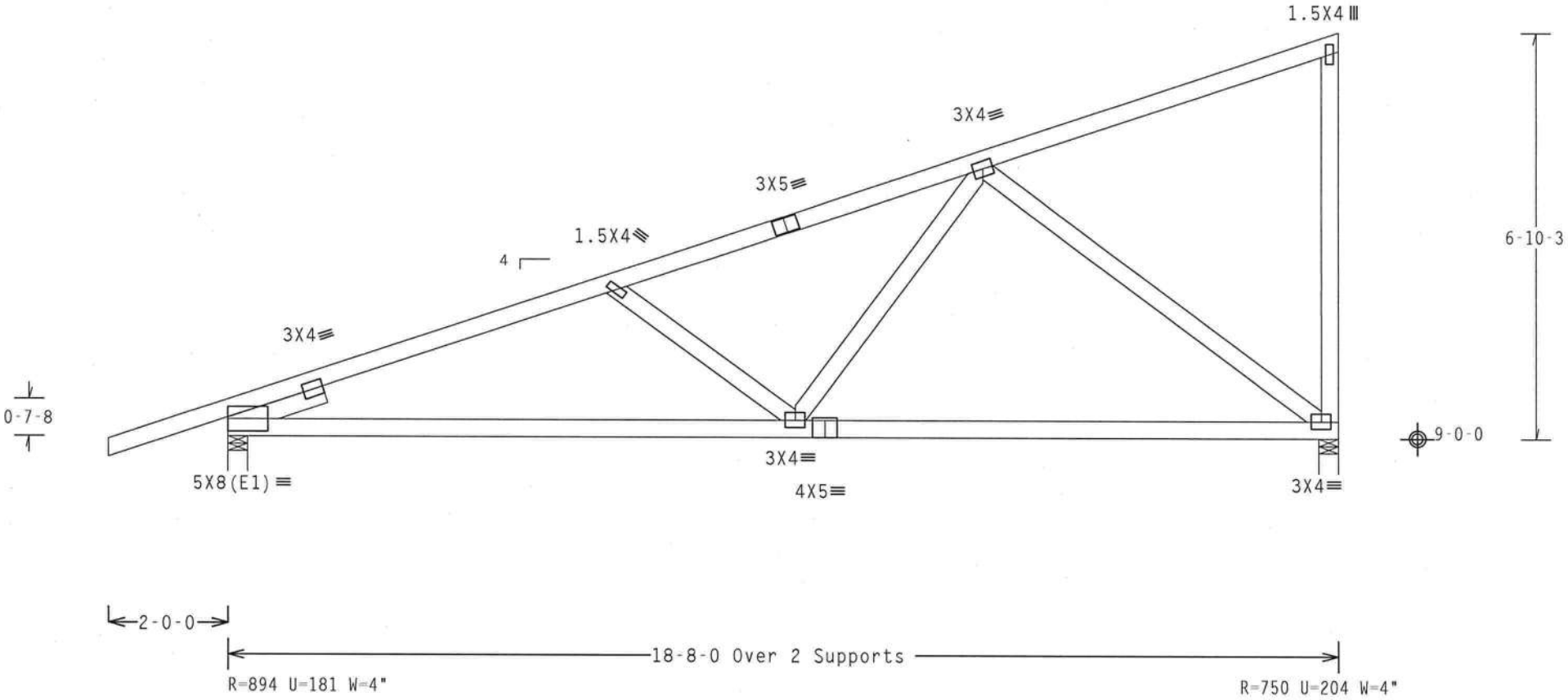
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.677'

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 04,2007

TC LL	20.0 PSF	REF R8228- 60356
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304098
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57966
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - B7)

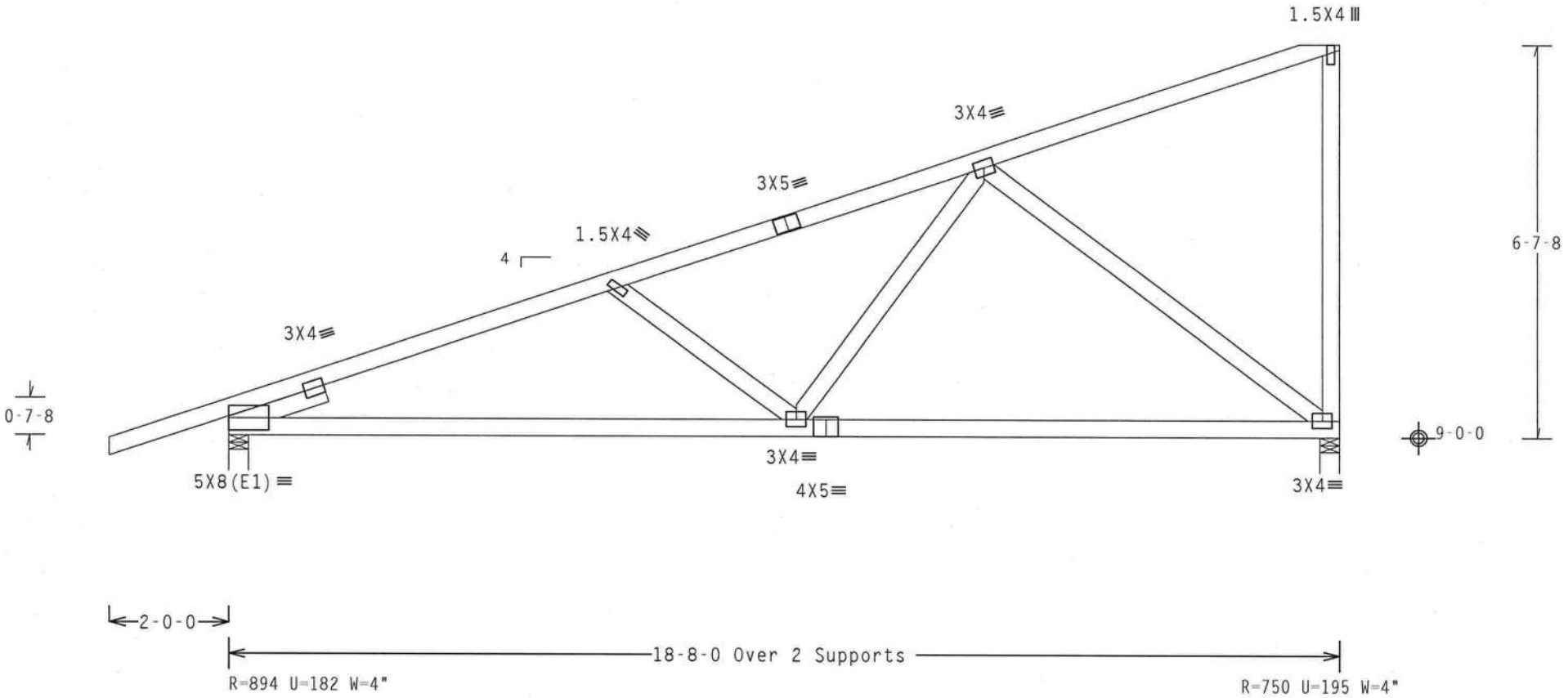
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.677'

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 01 07

TC LL	20.0 PSF	REF R8228- 60357
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304099
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57973
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - H7C)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

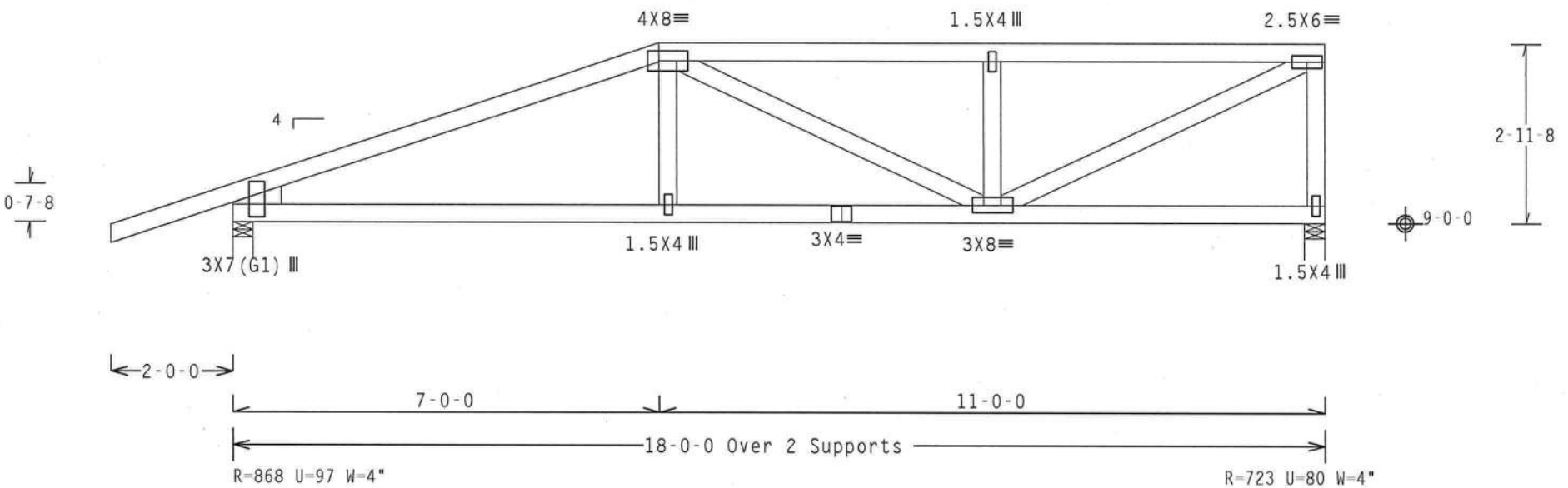
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 01 07

TC LL	20.0 PSF	REF	R8228- 60358
TC DL	10.0 PSF	DATE	10/31/07
BC DL	10.0 PSF	DRW	HCUSR8228 07304100
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	57836
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - H9C)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

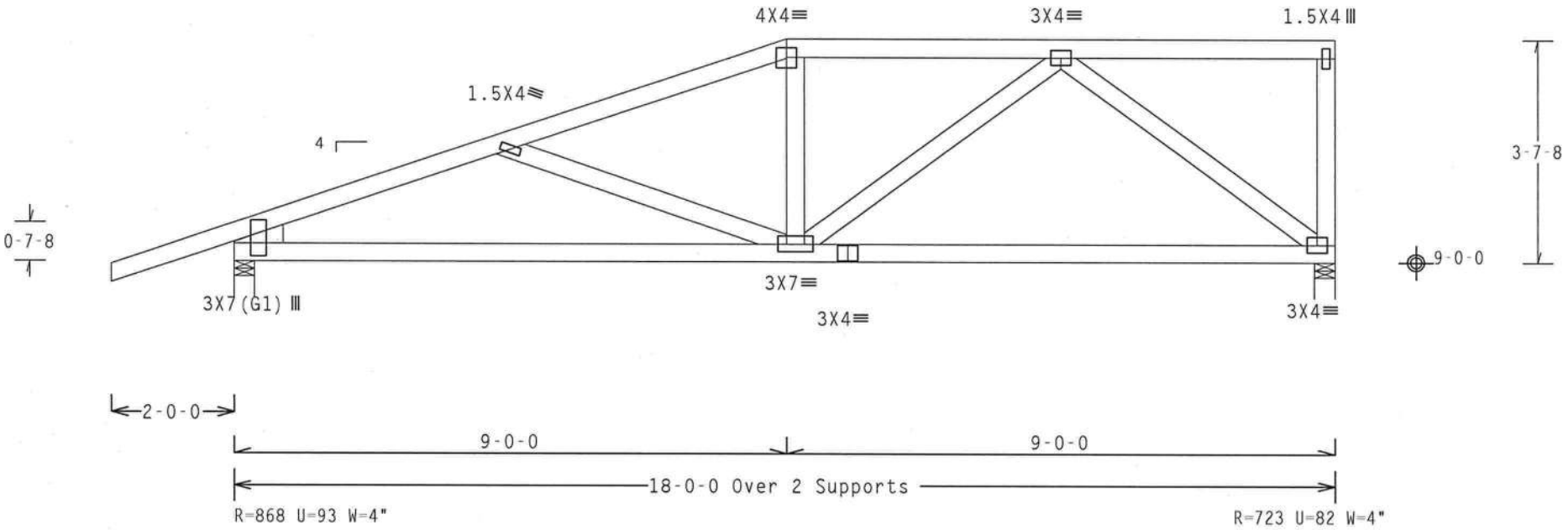
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization #0278

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01 07

TC LL	20.0 PSF	REF R8228- 60359
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304101
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57841
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - H11C)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

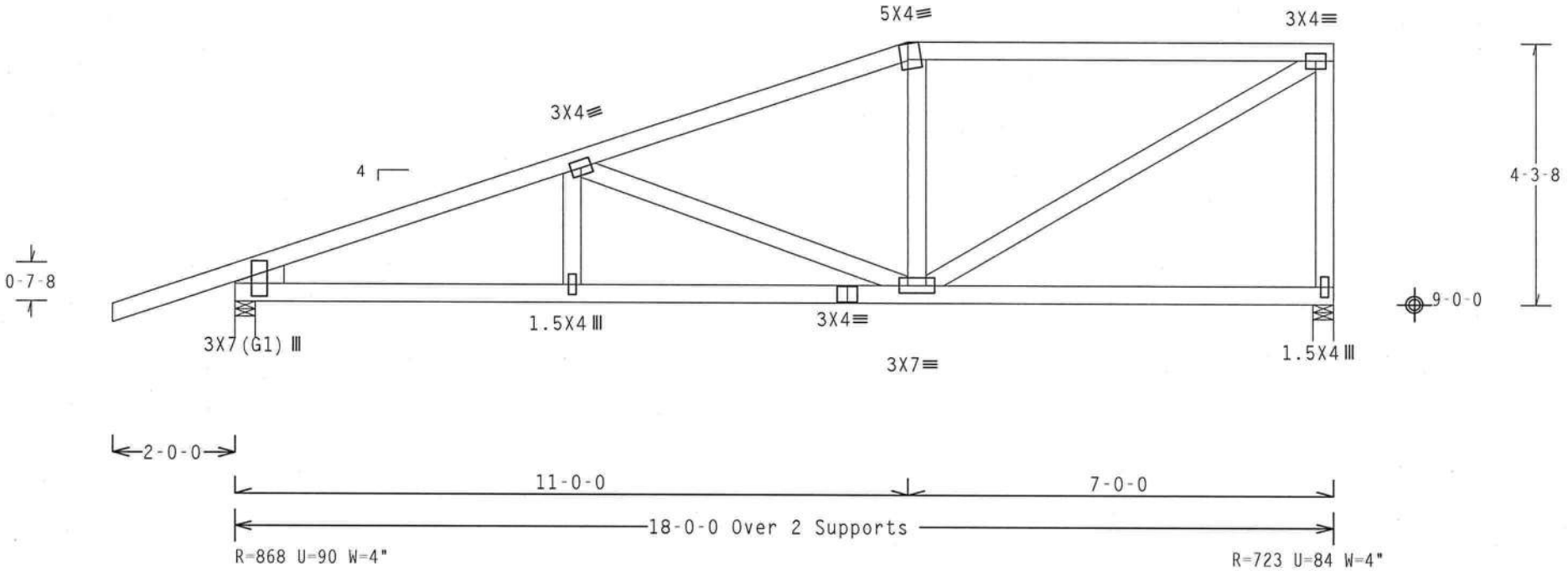
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization #0278

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 07,07

TC LL	20.0 PSF	REF R8228- 60360
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304102
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57846
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

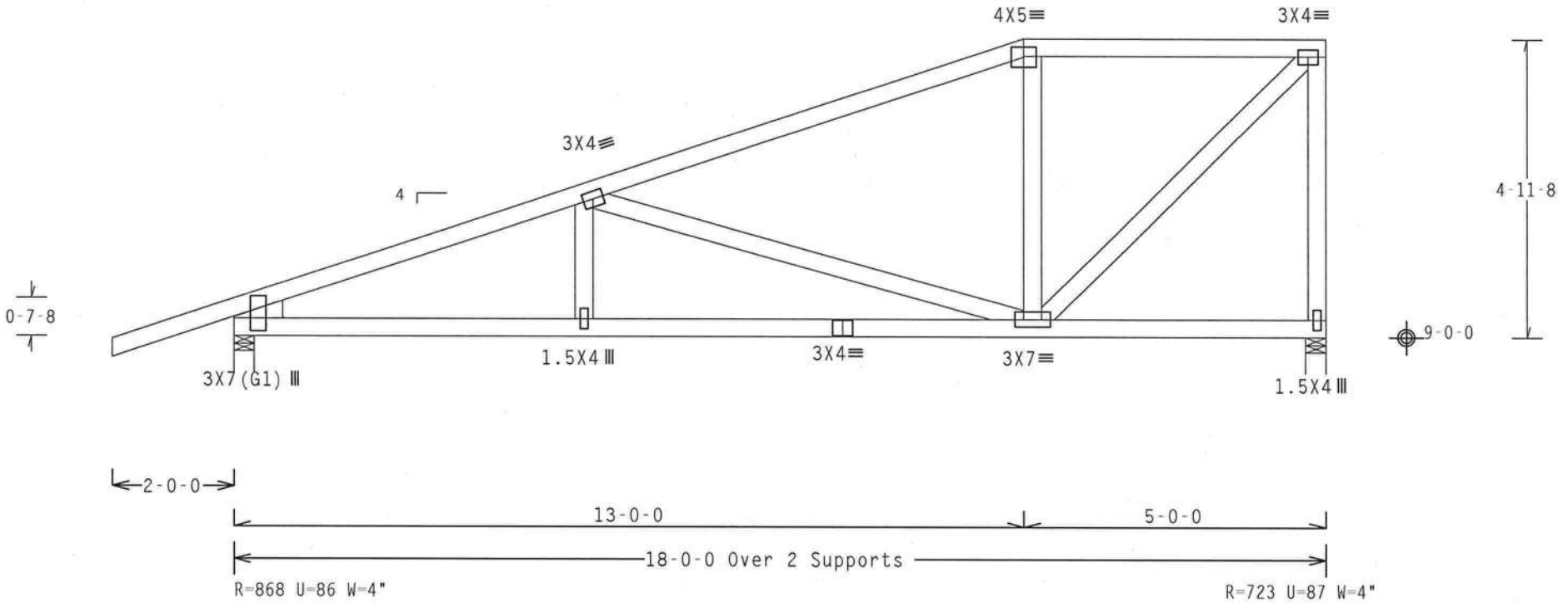
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424.13 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS JR. LICENSE No. 52210 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 0[illegible]

TC LL	20.0 PSF	REF R8228- 60361
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304103
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57853
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

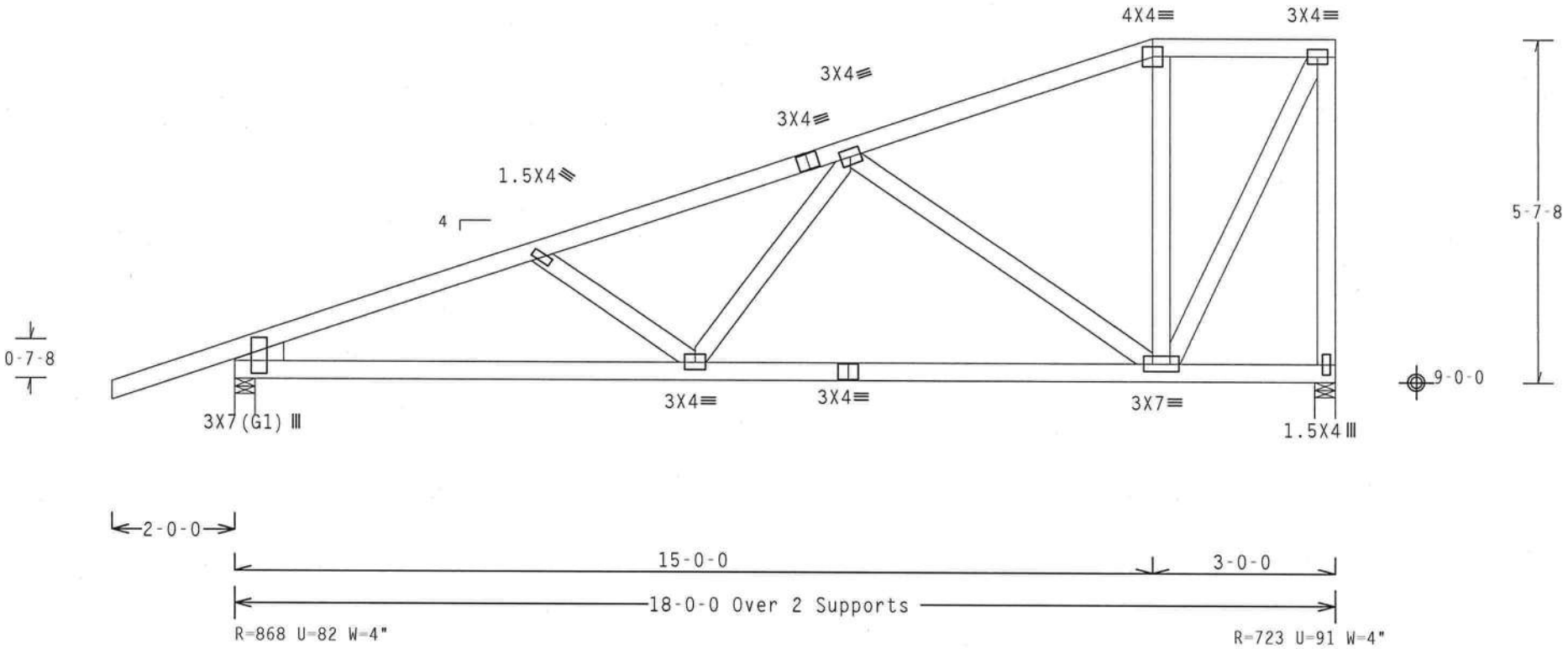
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS JR. LICENSE No 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01 07

TC LL	20.0 PSF	REF R8228- 60362
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304104
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57860
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

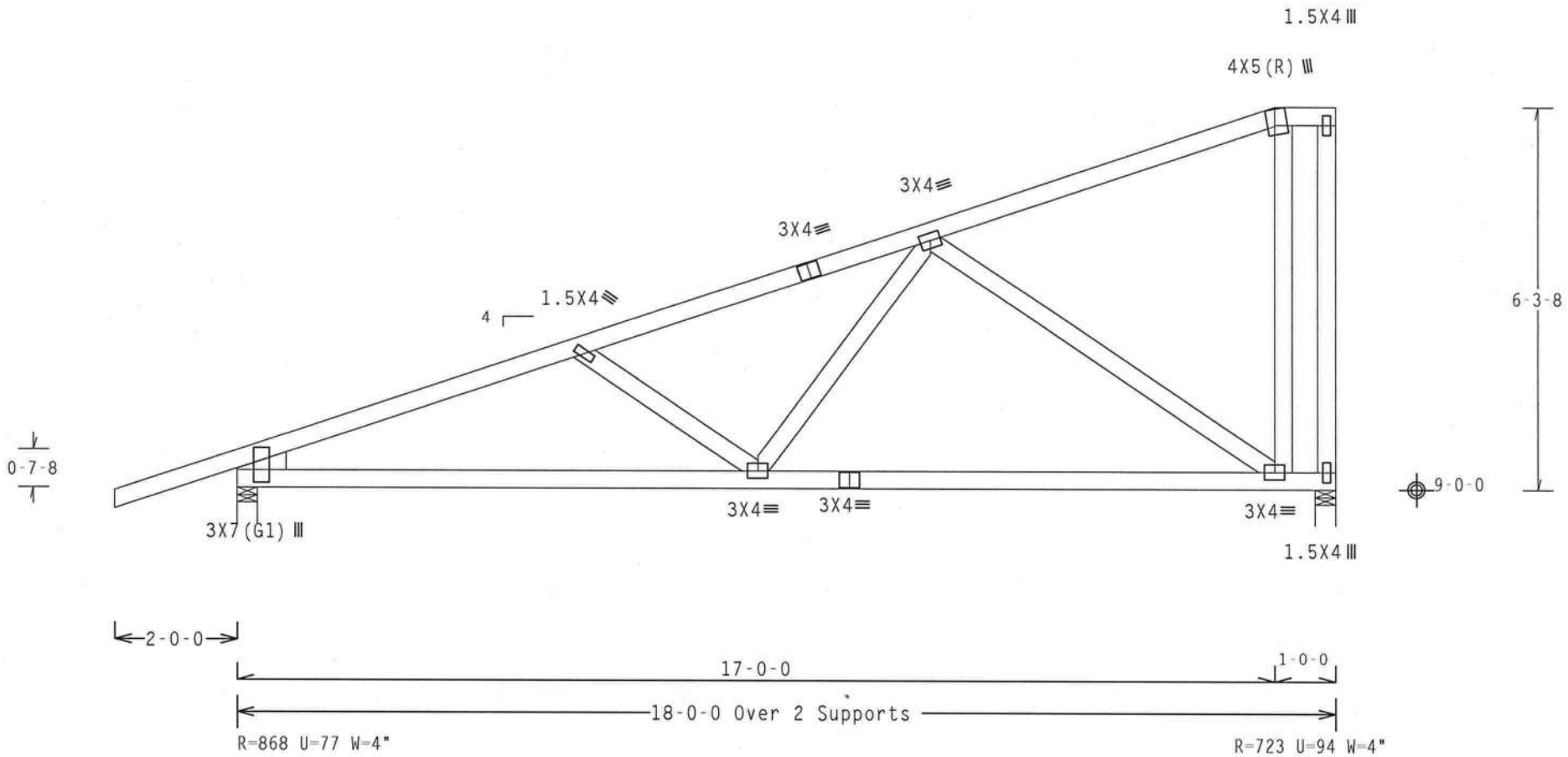
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424.12

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

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JAMES F. COLLINS, JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov

TC LL	20.0	PSF
TC DL	10.0	PSF
BC DL	10.0	PSF
BC LL	0.0	PSF
TOT.LD.	40.0	PSF
DUR.FAC.	1.25	
SPACING	24.0"	

REF	R8228- 60363
DATE	10/31/07
DRW	HCUSR8228 07304105
HC-ENG	JB/WHK
SEQN-	57865
FROM	AH
JREF-	1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - H19C)

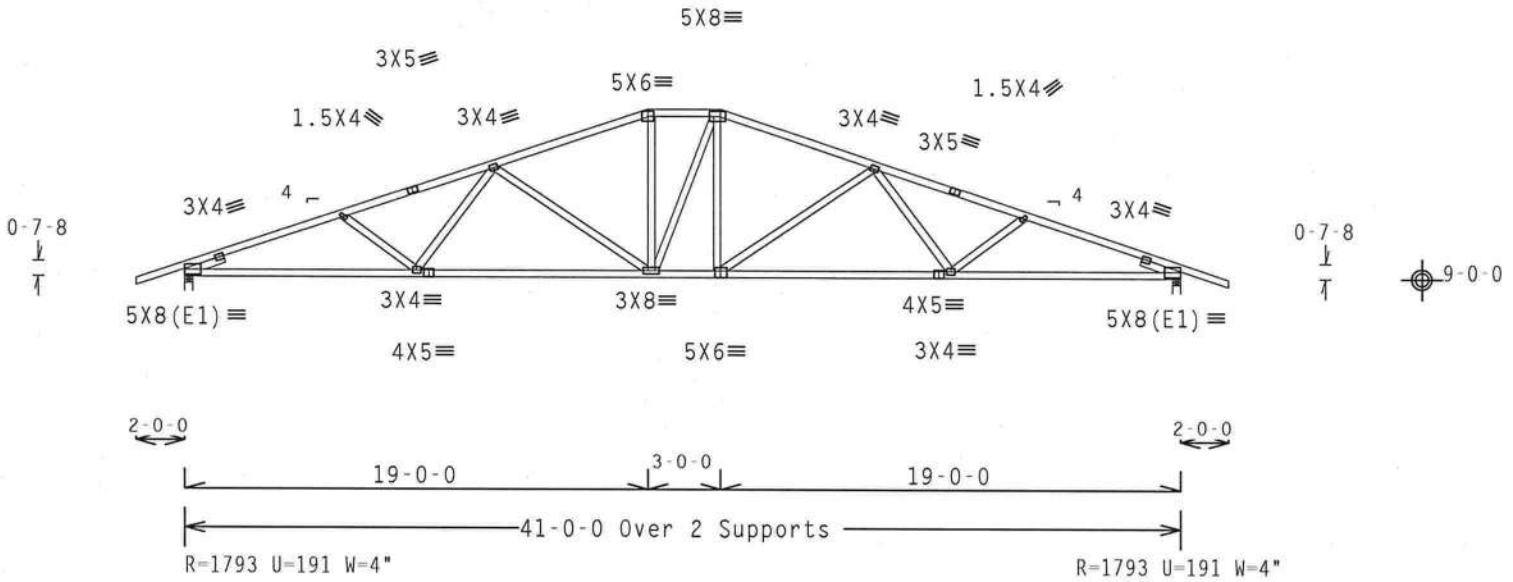
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.677'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.677'

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01 07

TC LL	20.0 PSF	REF R8228- 60364
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304106
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57872
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - C1)

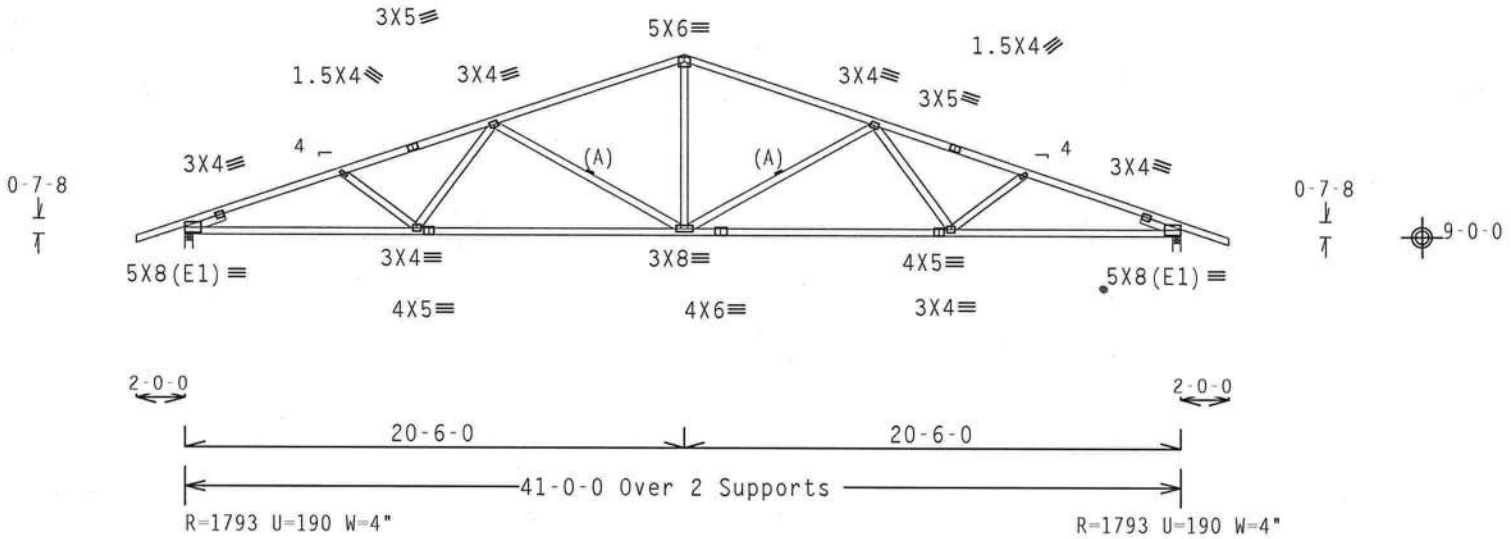
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.678'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.678'

(A) Continuous lateral bracing equally spaced on member.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424.13 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR
LICENSE
No. 52212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Nov

TC LL	20.0 PSF	REF	R8228- 60365
TC DL	10.0 PSF	DATE	10/31/07
BC DL	10.0 PSF	DRW	HCUSR8228 07304107
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	57889
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

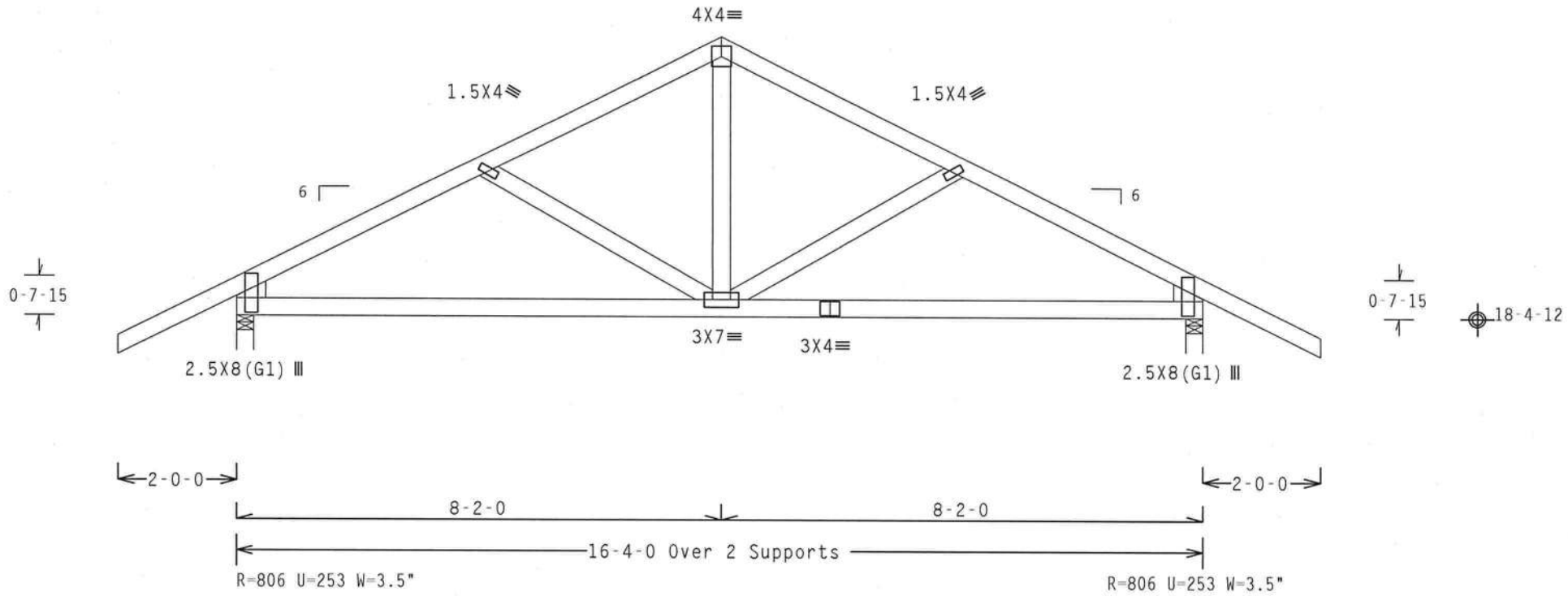
(7-312--SLK Construction River House -- Columbia Cty , ** - D1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3::Rt Stubbed Wedge 2x4 SP #3:

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 20.60 ft mean hgt, ASCE 7-02, PART._ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424

PLT TYP. Wave QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 01 07

TC LL	20.0 PSF	REF	R8228- 60366
TC DL	10.0 PSF	DATE	10/31/07
BC DL	10.0 PSF	DRW	HCUSR8228 07304108
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	57908
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - D-GE)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

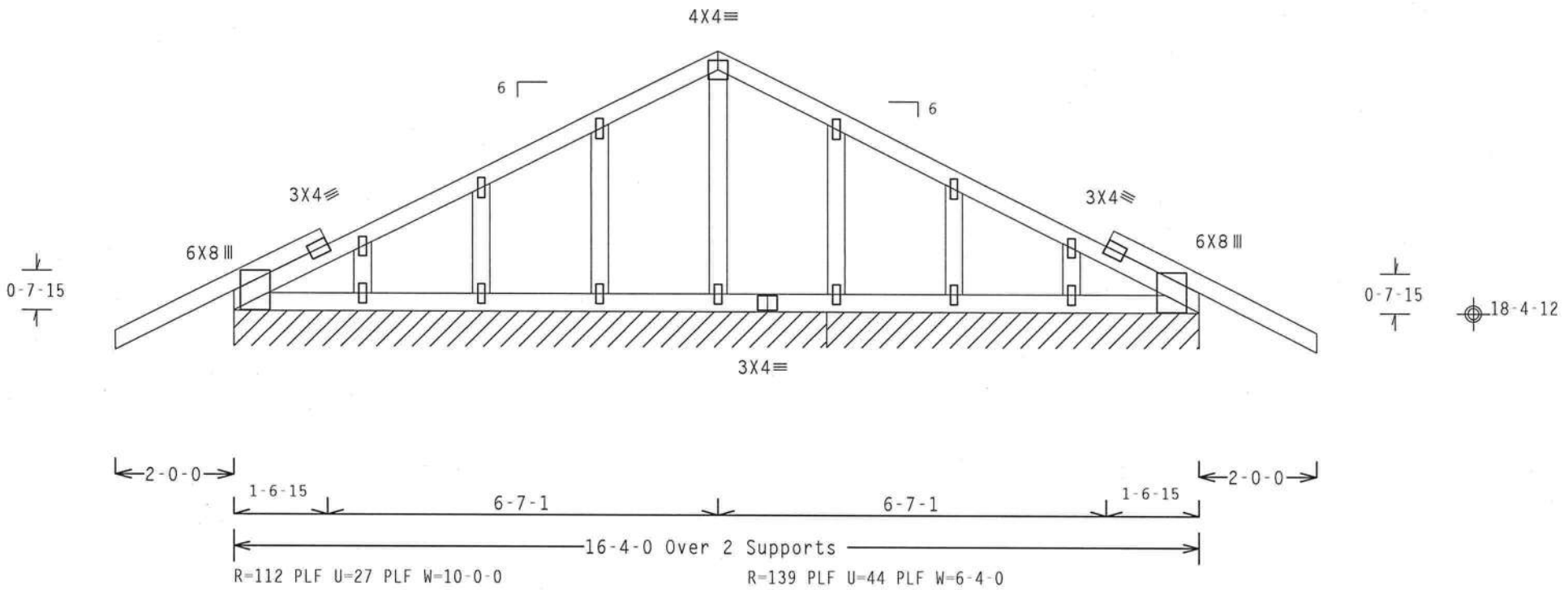
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

See DWGS A11030EC0207 & GBLLETIN0207 for more requirements.

110 mph wind, 20.44 ft mean hgt, ASCE 7-02, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 10 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01

TC LL	20.0 PSF	REF	R8228- 60367
TC DL	10.0 PSF	DATE	10/31/07
BC DL	10.0 PSF	DRW	HCUSR8228 07304109
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	57904
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #2 Dense:
:Stack Chord SC2 2x4 SP #2 Dense:

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

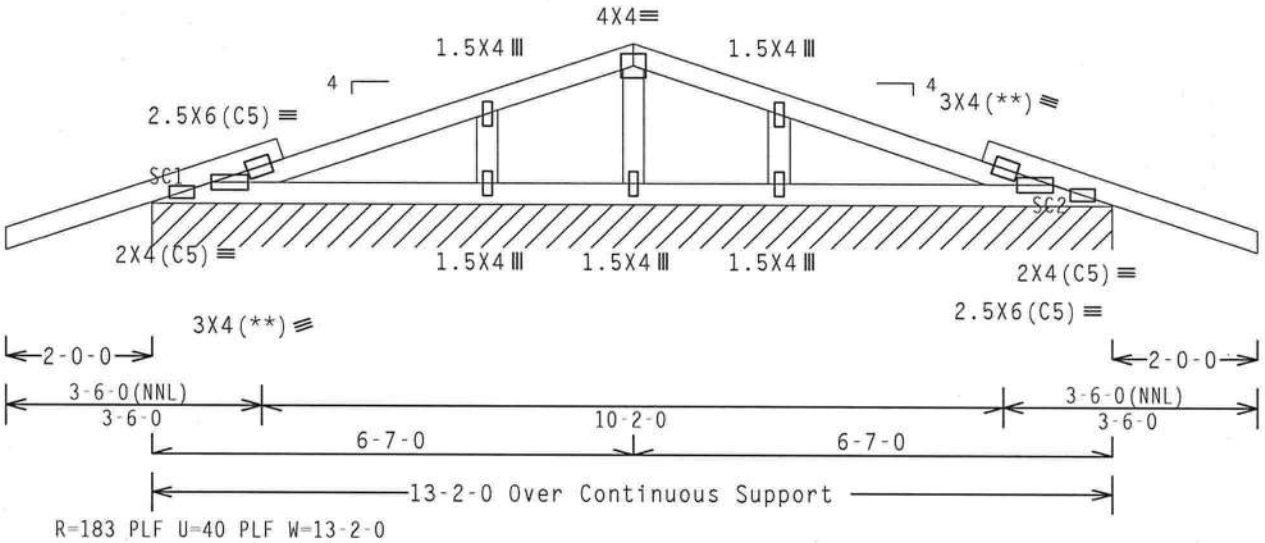
110 mph wind, 19.65 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWGS A11030EE0207 & GBLLETIN0207 for more requirements.

In lieu of structural panels use purlins to brace TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



18-4-12

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.0424 j

QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01 07

TC LL	20.0 PSF	REF	R8228- 60368
TC DL	10.0 PSF	DATE	10/31/07
BC DL	10.0 PSF	DRW	HCUSR8228 07304110
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	57895
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

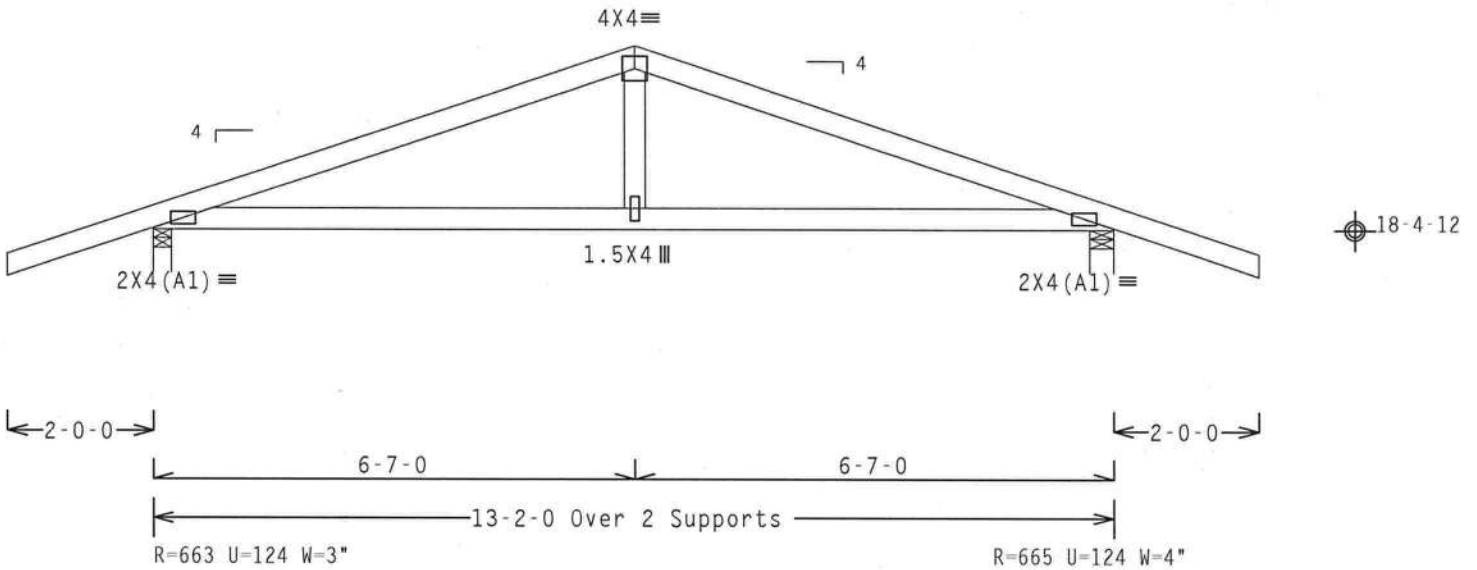
(7-312--SLK Construction River House -- Columbia Cty , ** - E1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 19.49 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01 07

TC LL	20.0 PSF	REF R8228- 60369
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304067
BC LL	0.0 PSF	HC-ENG JB/WHK *
TOT.LD.	40.0 PSF	SEQN- 57900
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x10 SP SS
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	61 PLF	at	-2.00	to	61 PLF	at 6.58
TC - From	61 PLF	at	6.58	to	61 PLF	at 15.17
BC - From	4 PLF	at	-2.00	to	4 PLF	at 0.00
BC - From	20 PLF	at	0.00	to	20 PLF	at 13.17
BC - From	4 PLF	at	13.17	to	4 PLF	at 15.17

BC - 2130 LB Conc. Load at 7.06
BC - 1088 LB Conc. Load at 9.06
BC - 6755 LB Conc. Load at 10.81

Wind reactions based on MWFRS pressures.

** The maximum concentrated load is 6755# **

Cluster (0.148"X3.25"_ Gun_nails) in face opposiste hanger of (3) Ply truss as shown by nail circles.

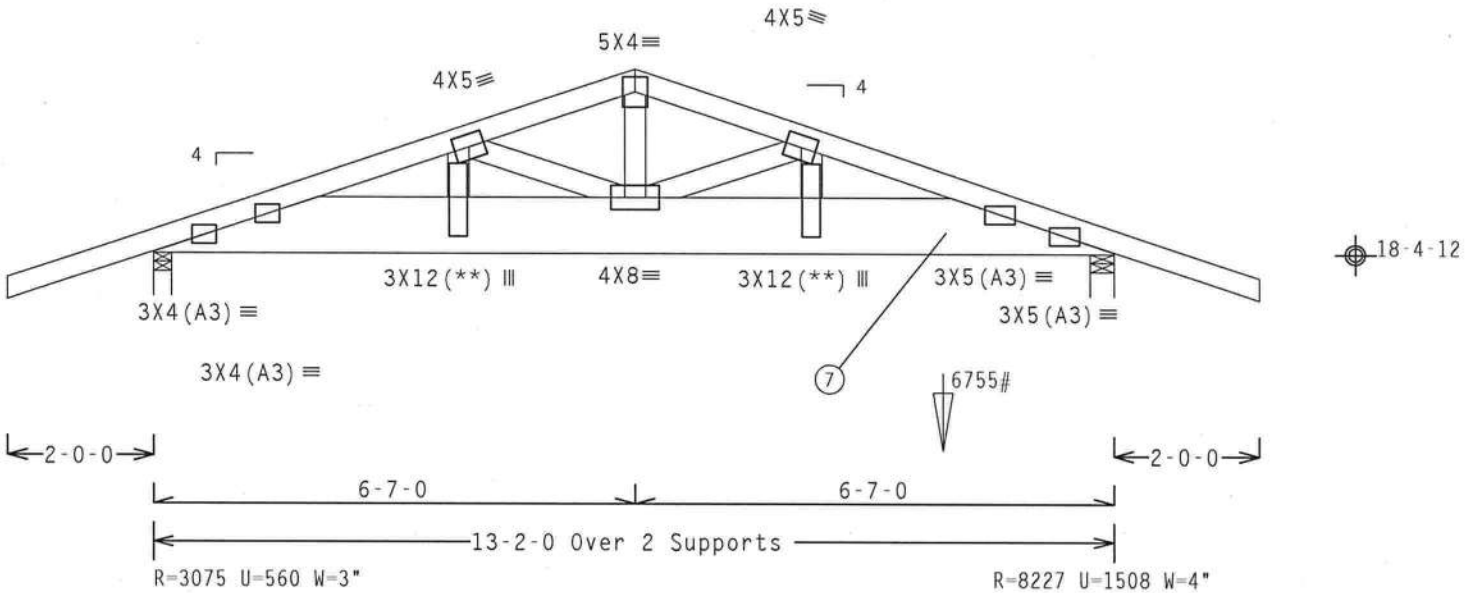
3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 19.49 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 j QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0-278

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JAMES F. COLLINS, JR. LICENSE No 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 01 07

TC LL	20.0 PSF	REF	R8228- 60370
TC DL	10.0 PSF	DATE	10/31/07
BC DL	10.0 PSF	DRW	HCUSR8228 07304111
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	58121
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

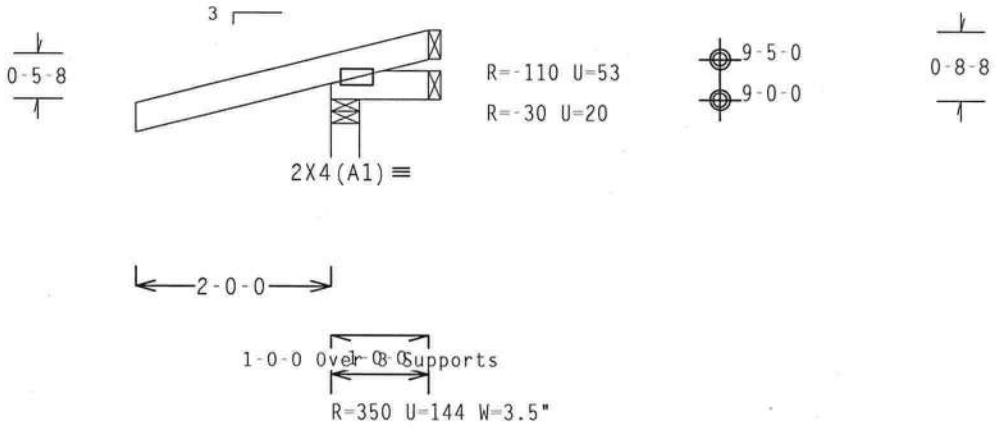
(7-312--SLK Construction River House -- Columbia Cty , ** - J1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424

PLT TYP. Wave QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
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JAMES F. COLLINS, JR. LICENSE No. 57212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 01 07

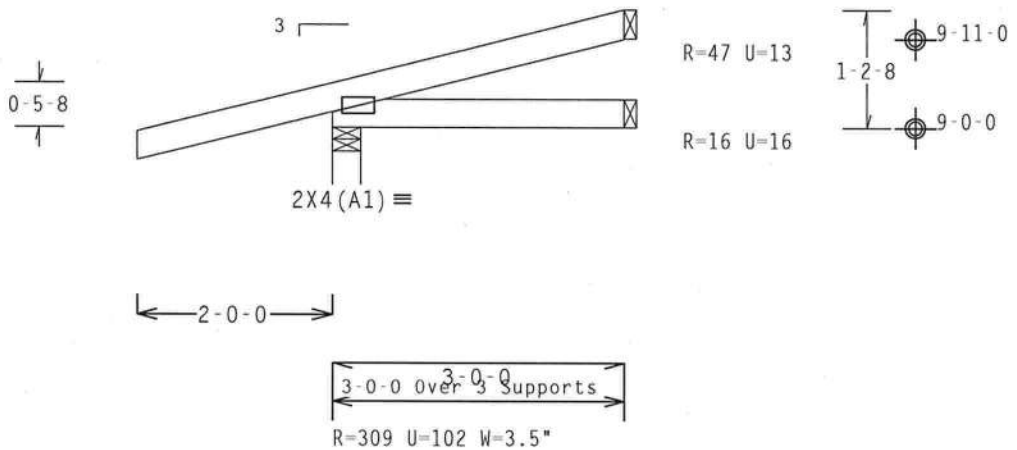
TC LL	20.0 PSF	REF	R8228- 60371
TC DL	10.0 PSF	DATE	10/31/07
BC DL	10.0 PSF	DRW	HCUSR8228 07304112
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	57657
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424.13 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

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FL Certificate of Authorization # 0278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov

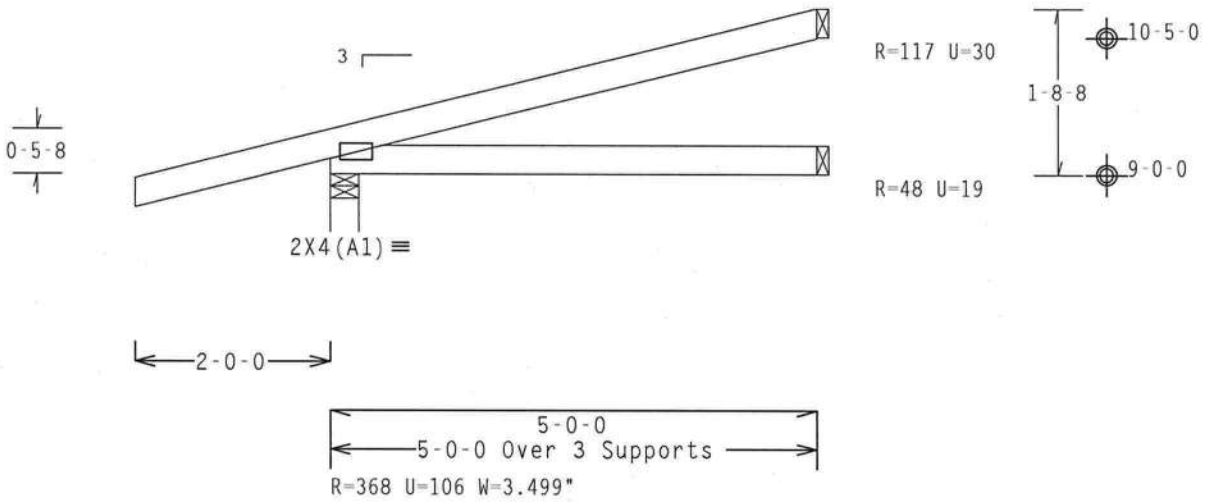
TC LL	20.0 PSF	REF	R8228- 60372
TC DL	10.0 PSF	DATE	10/31/07
BC DL	10.0 PSF	DRW	HCUSR8228 07304068
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	57663
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01,07

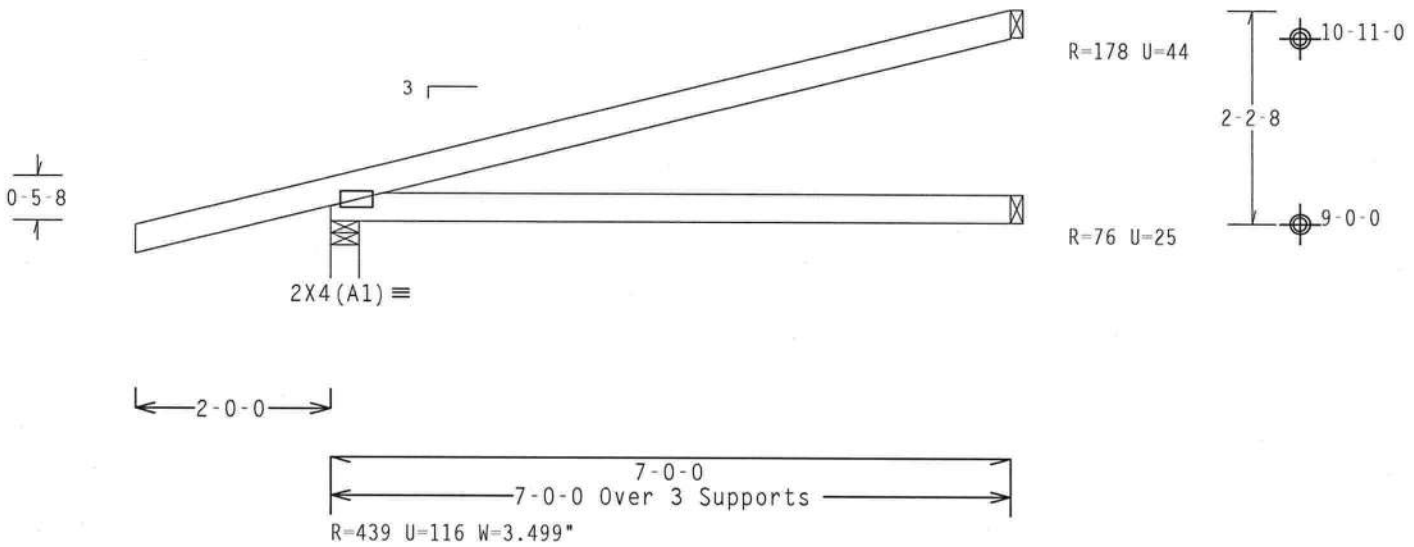
IC LL	20.0 PSF	REF R8228- 60373
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304069
BC LL	0.0 PSF	HC-ENG JB/WHK *
TOT.LD.	40.0 PSF	SEQN- 57667
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424

PLT TYP. Wave QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 01 07

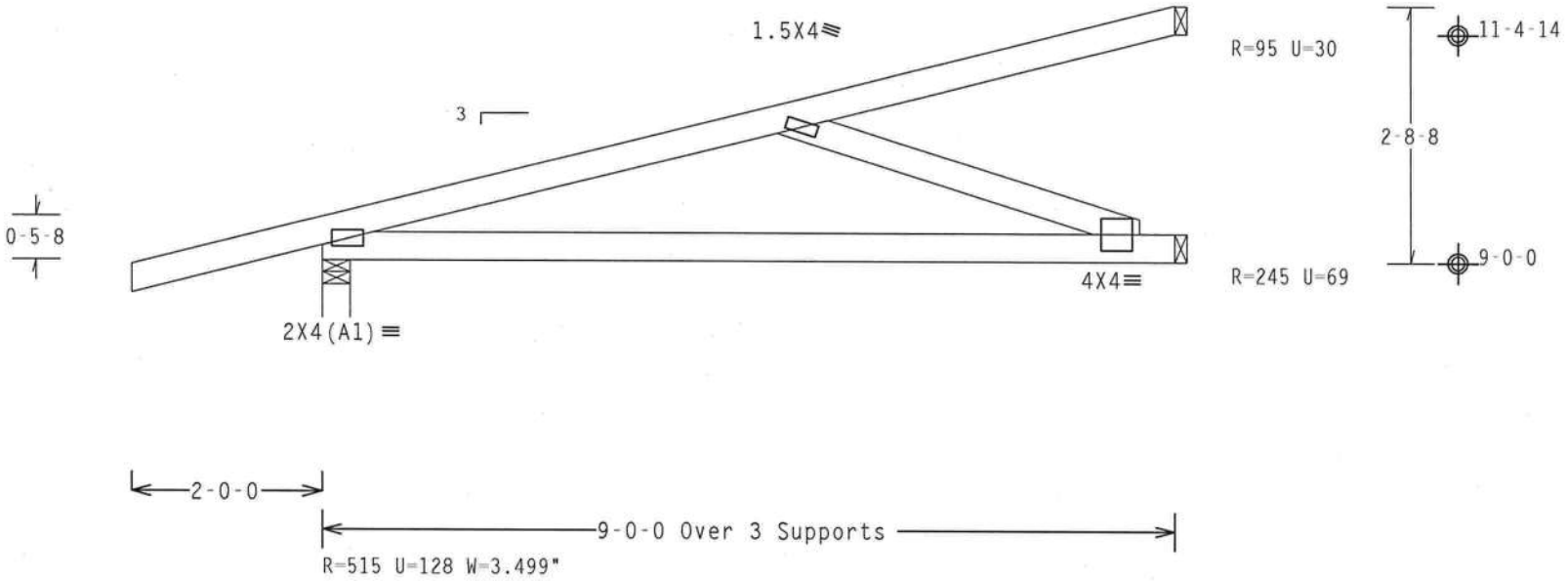
TC LL	20.0 PSF	REF	R8228- 60374
TC DL	10.0 PSF	DATE	10/31/07
BC DL	10.0 PSF	DRW	HCUSR8228 07304070
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	57671
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424.13

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov

TC LL	20.0 PSF	REF R8228- 60375
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304071
BC LL	0.0 PSF	HC-ENG JB/WHK *
TOT.LD.	40.0 PSF	SEQN- 57679
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

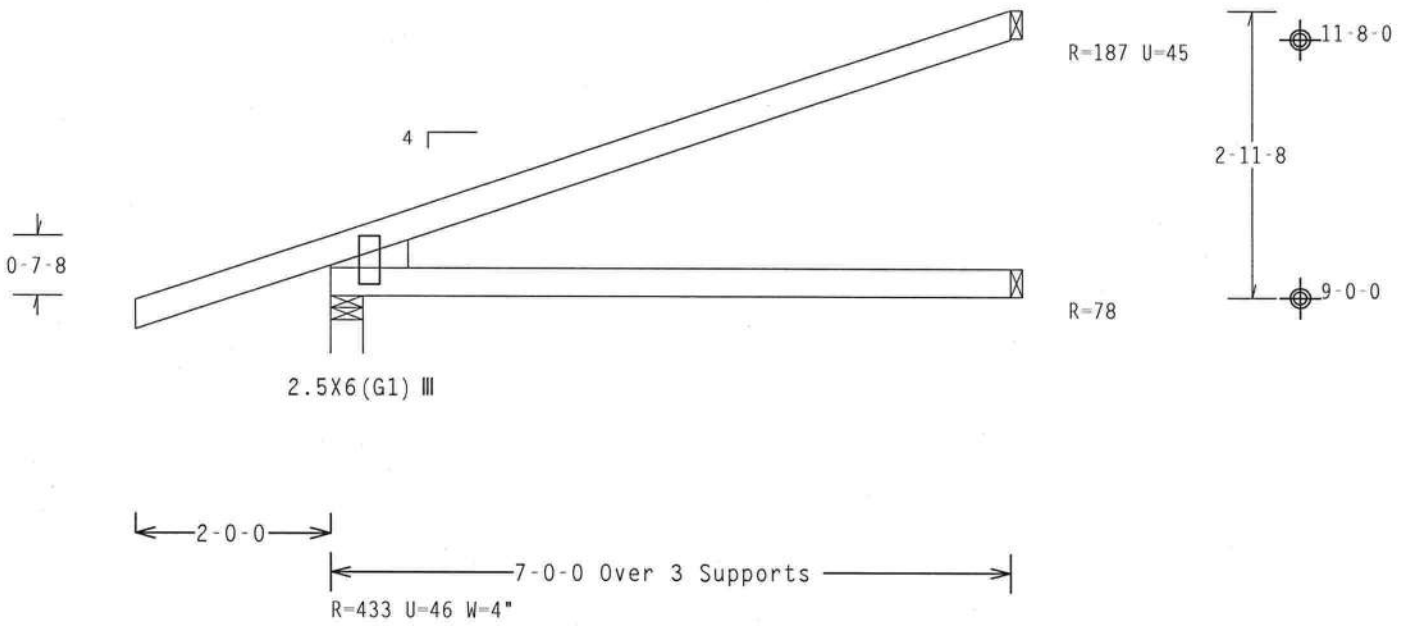
(7-312--SLK Construction River House -- Columbia Cty , ** - EJ7)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubbed Wedge 2x4 SP #3:

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424.12

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR. LICENSE No. E22172 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov

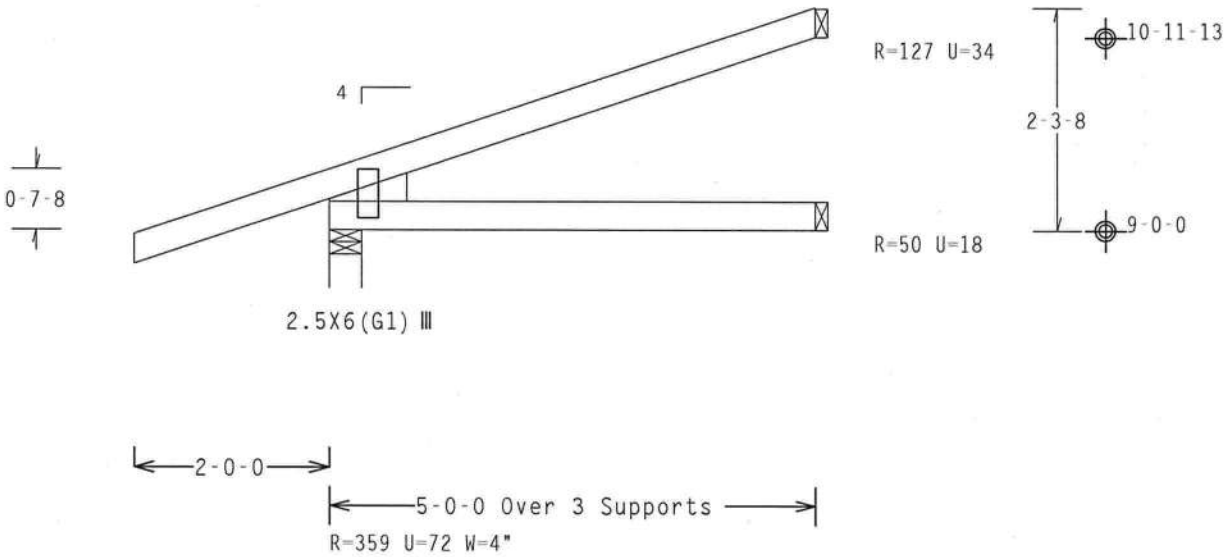
TC LL	20.0 PSF	REF R8228- 60376
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304072
BC LL	0.0 PSF	HC-ENG JB/WHK *
TOT.LD.	40.0 PSF	SEQN- 57774
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubbed Wedge 2x4 SP #3:

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01 07

TC LL	20.0 PSF	REF R8228- 60377
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304073
BC LL	0.0 PSF	HC-ENG JB/WHK *
TOT.LD.	40.0 PSF	SEQN- 57831
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - HJ7)

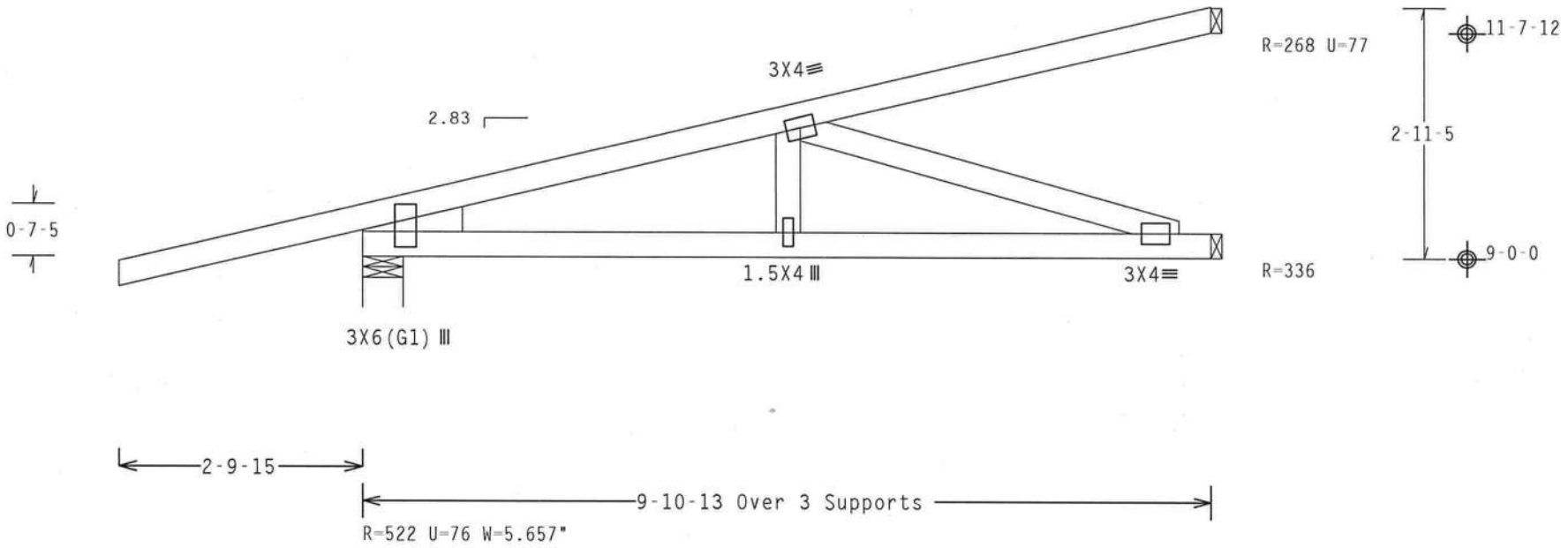
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

Hipjack supports 7-0-0 setback jacks with no webs.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424

PLT TYP. Wave QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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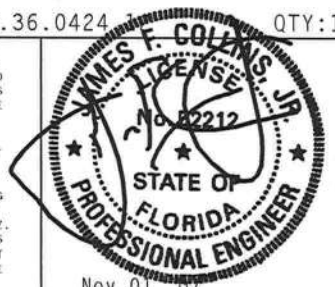


Nov 01 07

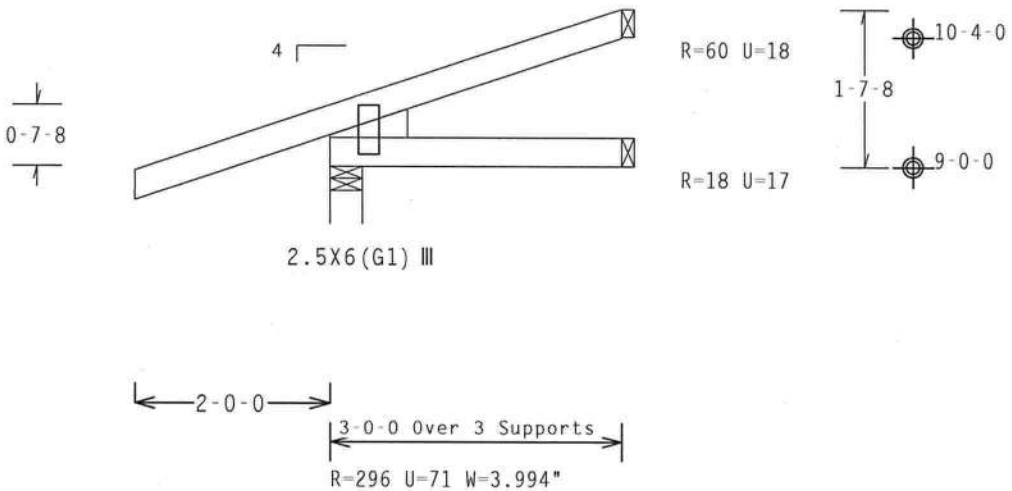
TC LL	20.0 PSF	REF R8228- 60378
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304113
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57795
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubbed Wedge 2x4 SP #3:

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424 1

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0-278

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 04,2007

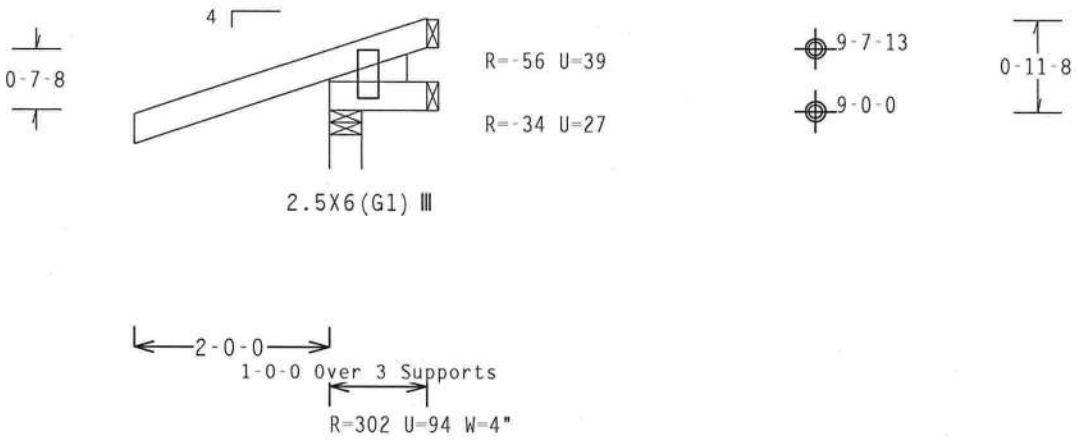
TC LL	20.0 PSF	REF R8228- 60379
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304074
BC LL	0.0 PSF	HC-ENG JB/WHK *
TOT.LD.	40.0 PSF	SEQN- 57827
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubbed Wedge 2x4 SP #3:

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424 1

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 0[illegible]

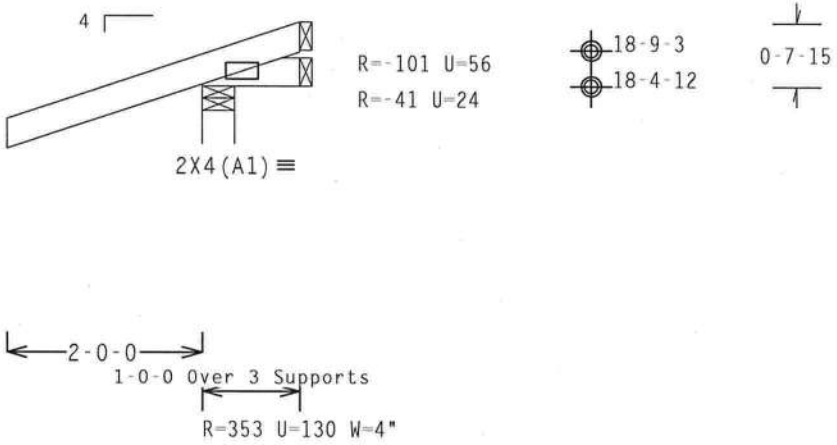
TC LL	20.0 PSF	REF R8228- 60380
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304114
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57823
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 18.56 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

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JAMES F. COLLINS, JR. LICENSE NO. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01 07

TC LL	20.0 PSF	REF R8228- 60381
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304115
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 58010
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - HJ7B)

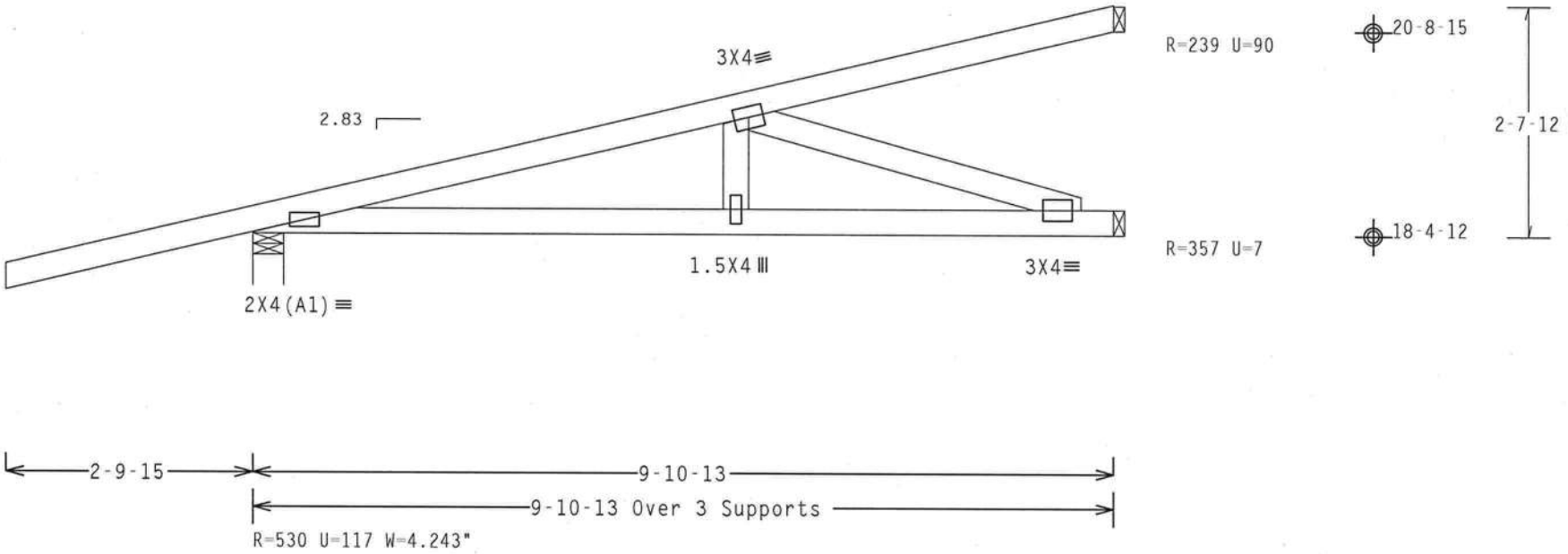
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Hipjack supports 7-0-0 setback jacks with no webs.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 19.54 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424

PLT TYP. Wave QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 0[illegible]

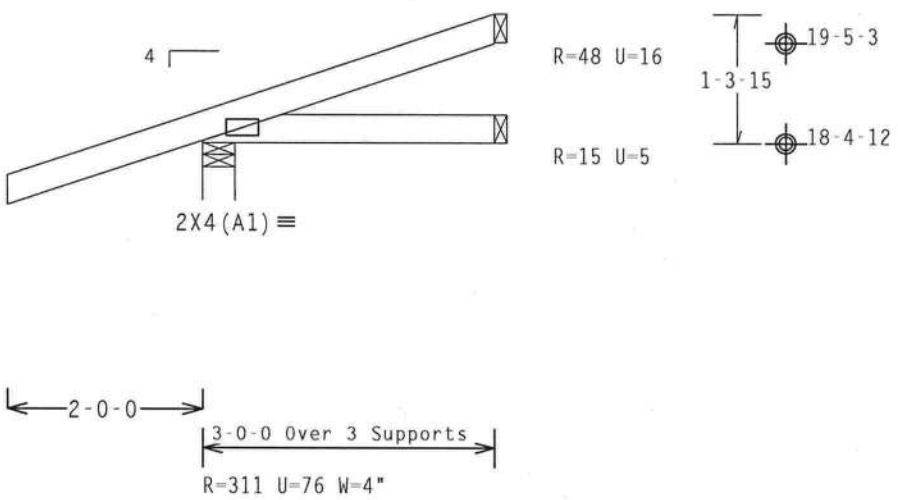
TC LL	20.0 PSF	REF R8228- 60382
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304116
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 58026
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 18.89 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01 07

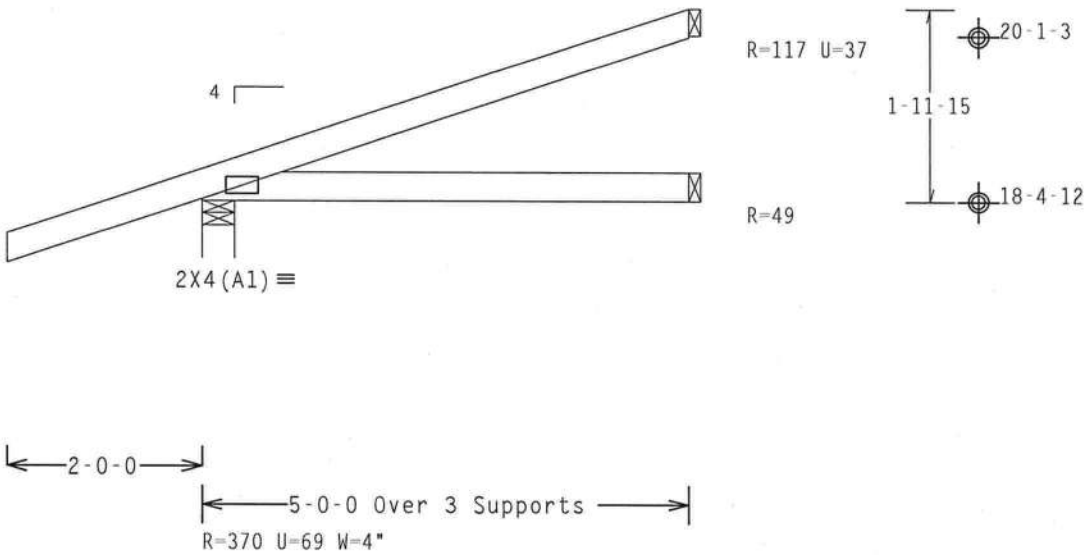
TC LL	20.0 PSF	REF R8228- 60383
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304075
BC LL	0.0 PSF	HC-ENG JB/WHK *
TOT.LD.	40.0 PSF	SEQN- 58015
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 19.22 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR. LICENSE NO. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 01 07

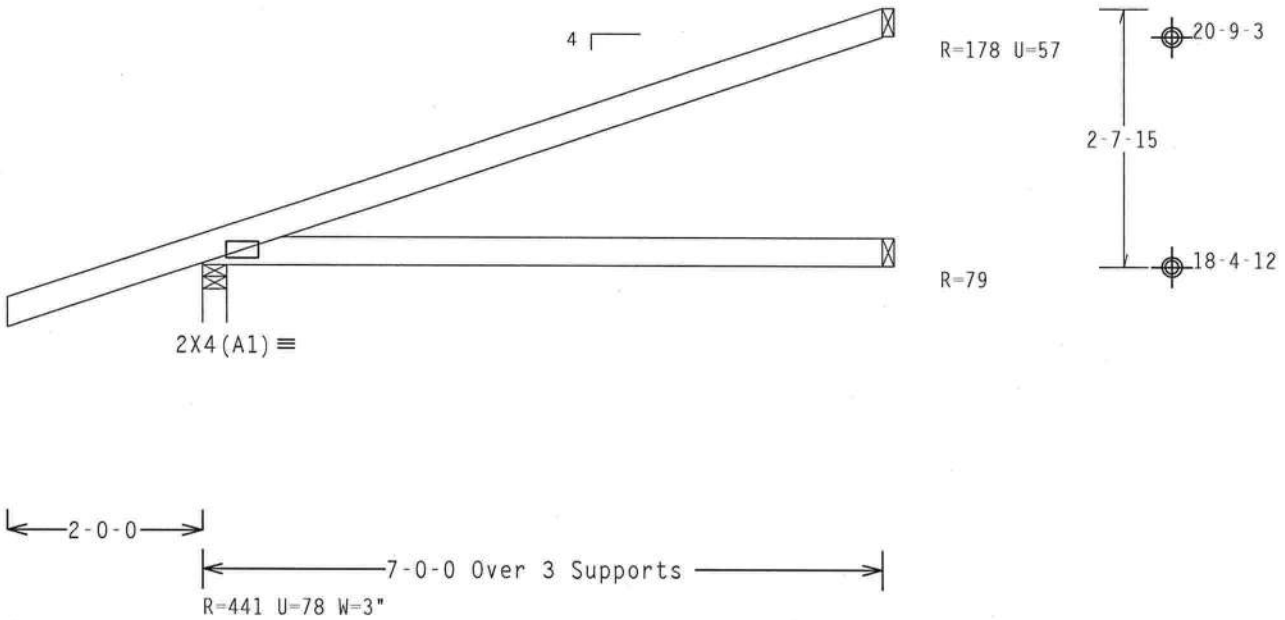
TC LL	20.0 PSF	REF	R8228- 60384
TC DL	10.0 PSF	DATE	10/31/07
BC DL	10.0 PSF	DRW	HCUSR8228 07304076
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	58019
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 19.56 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424

PLT TYP. Wave QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR. LICENSE No. 62212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 01 07

TC LL	20.0 PSF	REF	R8228- 60385
TC DL	10.0 PSF	DATE	10/31/07
BC DL	10.0 PSF	DRW	HCUSR8228 07304077
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	58031
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

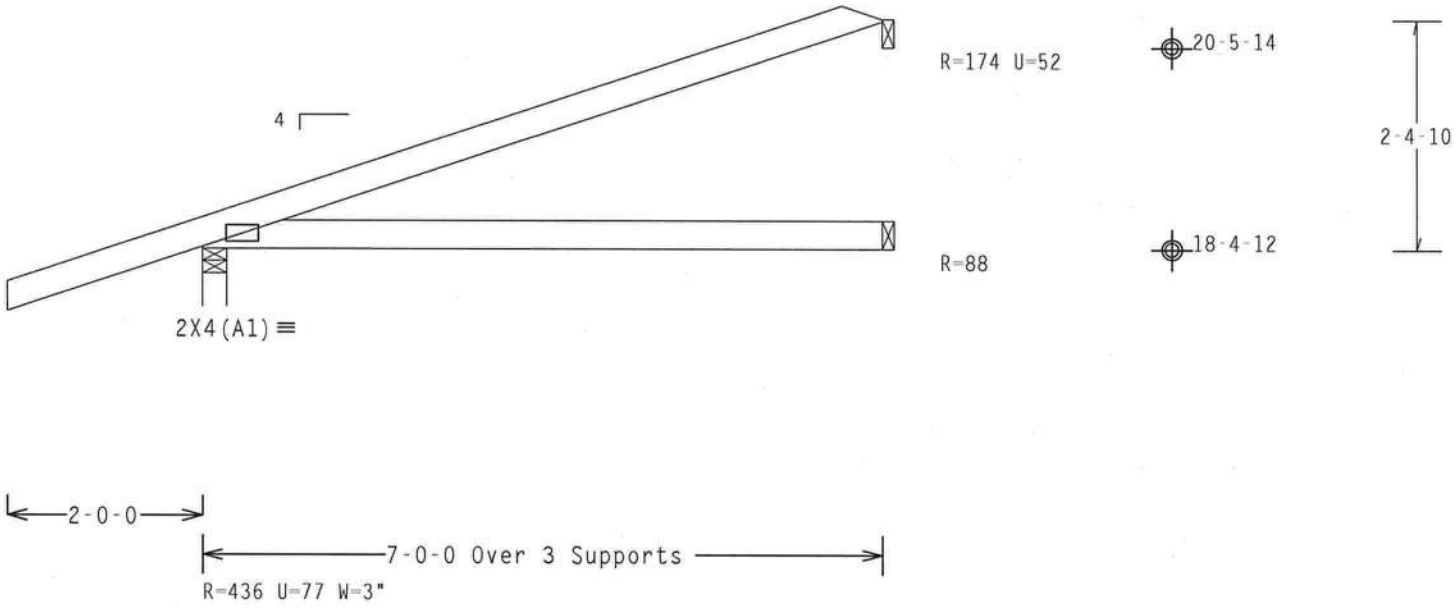
(7-312--SLK Construction River House -- Columbia Cty , ** - EJ7B)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 19.49 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424 10

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov

TC LL	20.0 PSF	REF R8228- 60386
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304117
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 58035
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - M3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

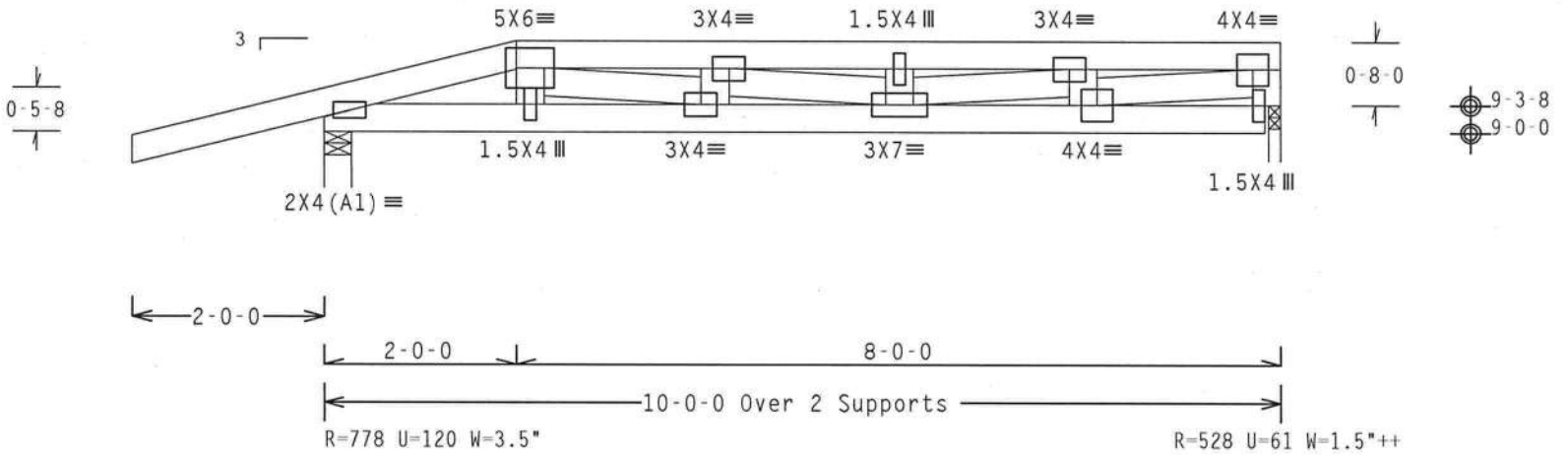
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

++ ANCHORAGE REQ'D TO PREVENT TRUSS FROM SLIPPING OFF BEARING.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=3.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01 07

TC LL	40.0 PSF	REF	R8228- 60387
TC DL	10.0 PSF	DATE	10/31/07
BC DL	5.0 PSF	DRW	HCUSR8228 07304078
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	55.0 PSF	SEQN-	57754
DUR.FAC.	1.00	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

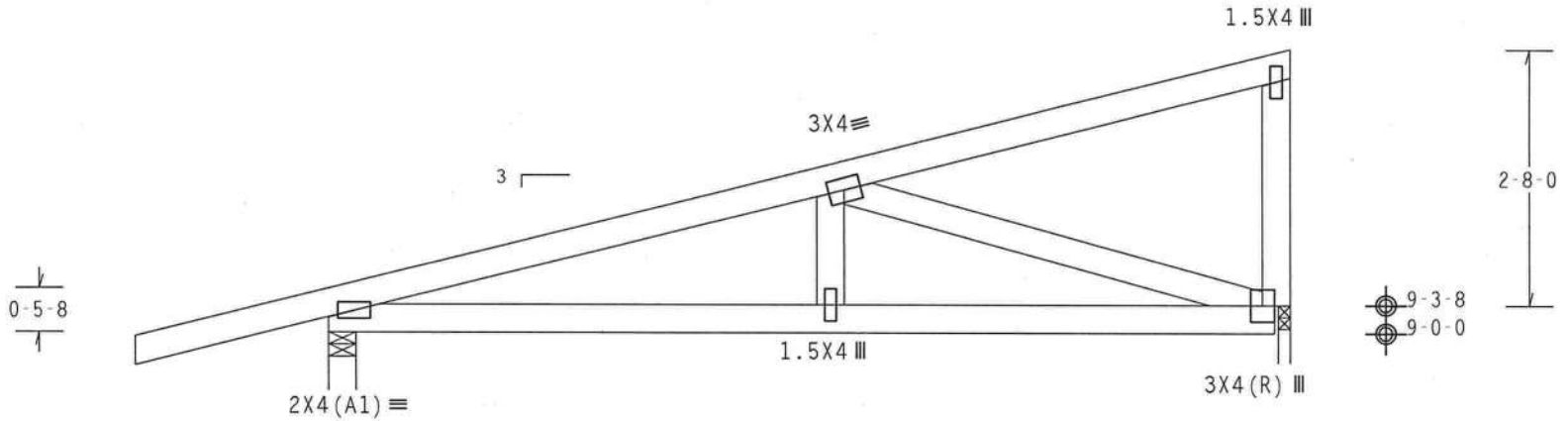
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

++ ANCHORAGE REQ'D TO PREVENT TRUSS FROM SLIPPING OFF BEARING.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01 07

TC LL	20.0 PSF	REF	R8228- 60388
TC DL	10.0 PSF	DATE	10/31/07
BC DL	10.0 PSF	DRW	HCUSR8228 07304079
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	57653
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - M6)

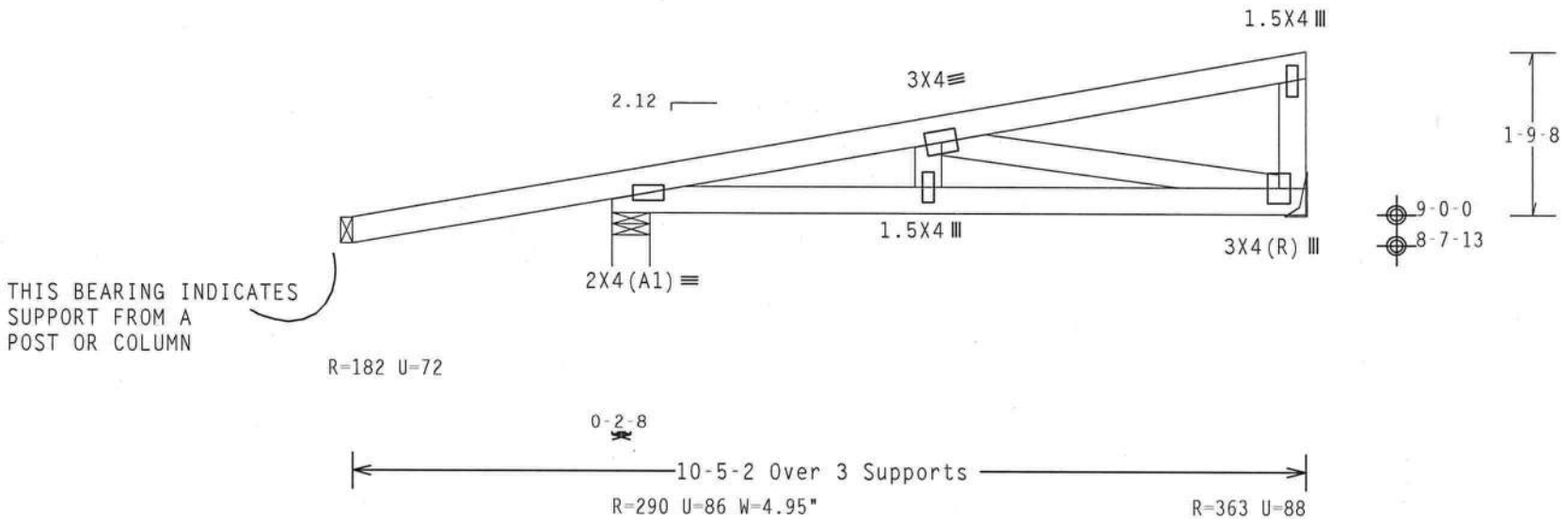
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Hipjack supports 5-4-8 setback jacks with no webs.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.0424 1

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS LICENSE No 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01,2007

TC LL	20.0 PSF	REF R8228- 60389
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304118
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57723
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W5 2x6 SP #2:

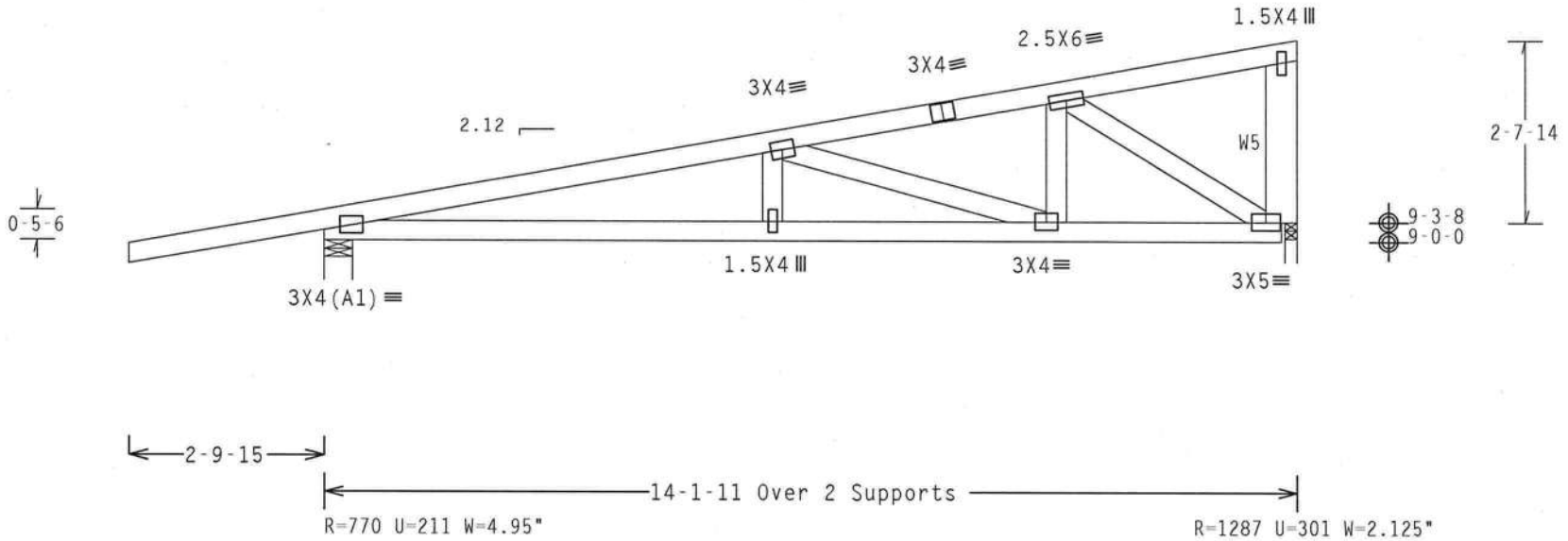
Hipjack supports 10-0-0 setback jacks. Jacks up to 7' have no webs. Longer jacks supported to BC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424.12

PLT TYP. Wave QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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JAMES F. COLLINS, JR. LICENSE No. 52012 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov

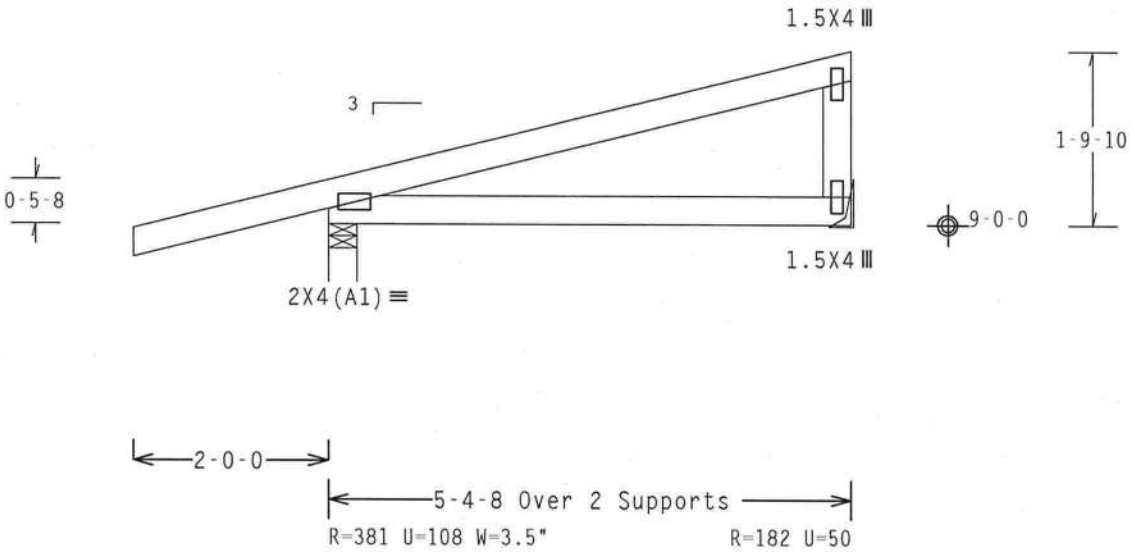
TC LL	20.0 PSF	REF R8228- 60390
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304119
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57700
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424.1

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 9278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 0[illegible]

TC LL	20.0 PSF	REF R8228- 60391
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304080
BC LL	0.0 PSF	HC-ENG JB/WHK *
TOT.LD.	40.0 PSF	SEQN- 57685
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.00 / PLATE DUR.FAC.=1.00)
TC - From 101 PLF at 2.00 to 101 PLF at 2.00
TC - From 101 PLF at 2.00 to 101 PLF at 10.00
BC - From 10 PLF at 0.00 to 10 PLF at 9.83
TC - 1000 LB Conc. Load at 2.00

Wind reactions based on MWFRS pressures.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

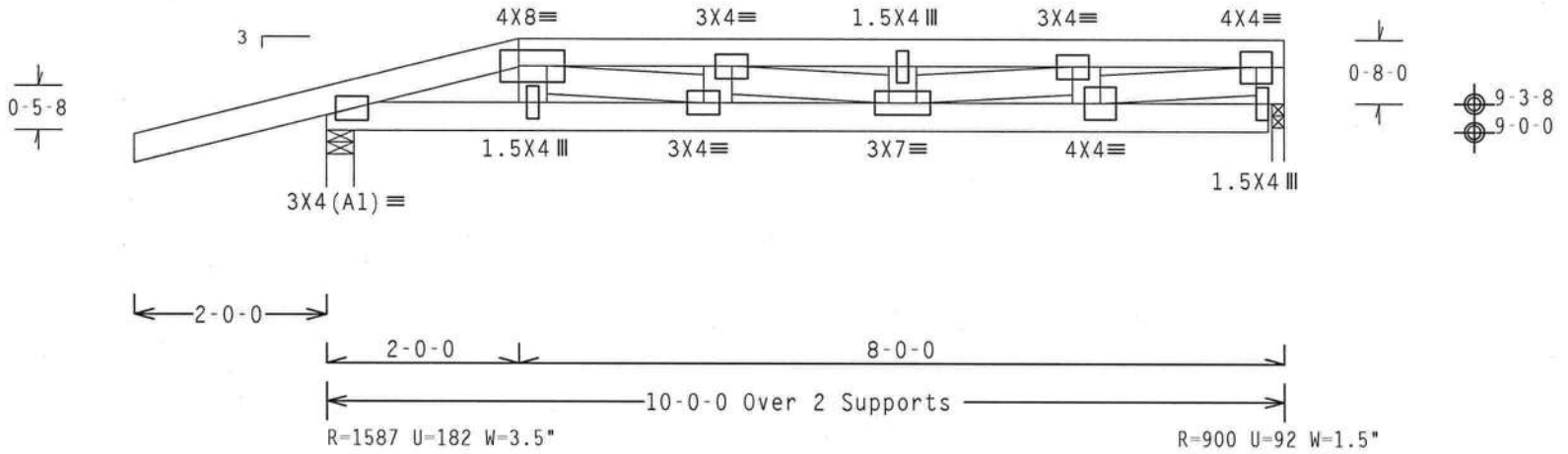
IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FABRICATOR TO REVIEW THIS DWG PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA, INCLUDING DIMENSIONS AND LOADS, CONFORM TO THE ARCHITECTURAL PLANS/ SPECIFICATIONS AND FABRICATOR'S TRUSS LAYOUT.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @10.25" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=3.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01 07

TC LL	40.0 PSF	REF R8228- 60392
TC DL	10.0 PSF	DATE 10/31/07
BC DL	5.0 PSF	DRW HCUSR8228 07304120
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	55.0 PSF	SEQN- 57761
DUR.FAC.	1.00	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.00 / PLATE DUR.FAC.=1.00)
TC - From 101 PLF at -2.00 to 101 PLF at 2.00
TC - From 101 PLF at 2.00 to 101 PLF at 10.00
BC - From 10 PLF at 0.00 to 10 PLF at 9.83
TC - 1000 LB Conc. Load at 2.00

Wind reactions based on MWFRS pressures.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @10.25" o.c.
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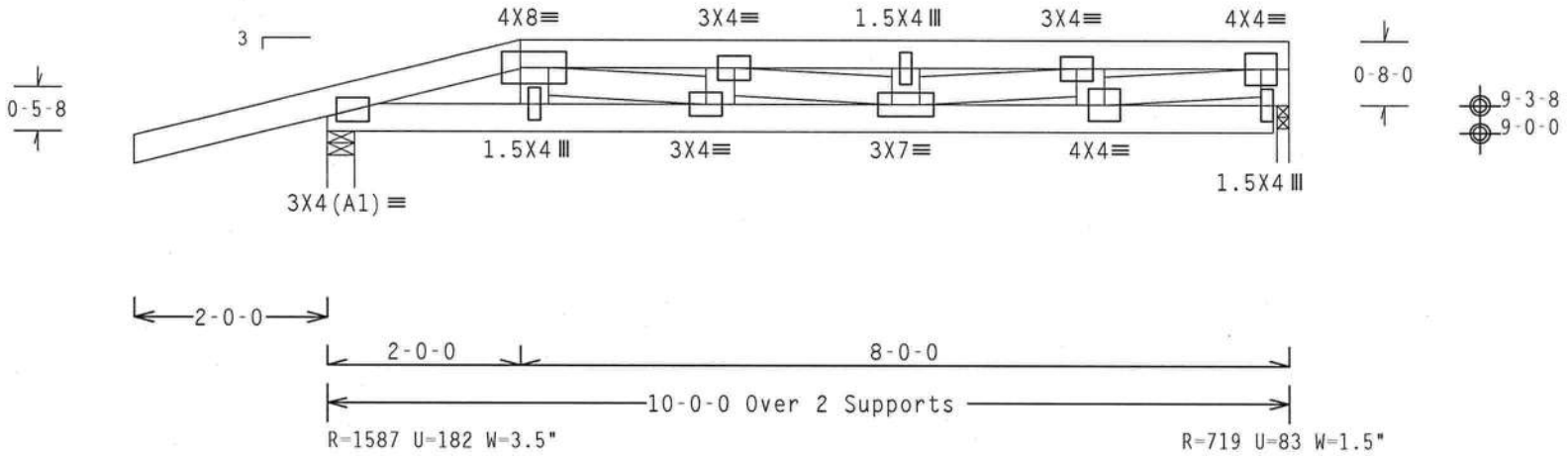
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=3.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424.10 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 01 07

TC LL	40.0 PSF	REF R8228- 60393
TC DL	10.0 PSF	DATE 10/31/07
BC DL	5.0 PSF	DRW HCUSR8228 07304121
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	55.0 PSF	SEQN- 57750
DUR.FAC.	1.00	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

(7-312--SLK Construction River House -- Columbia Cty , ** - M7)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

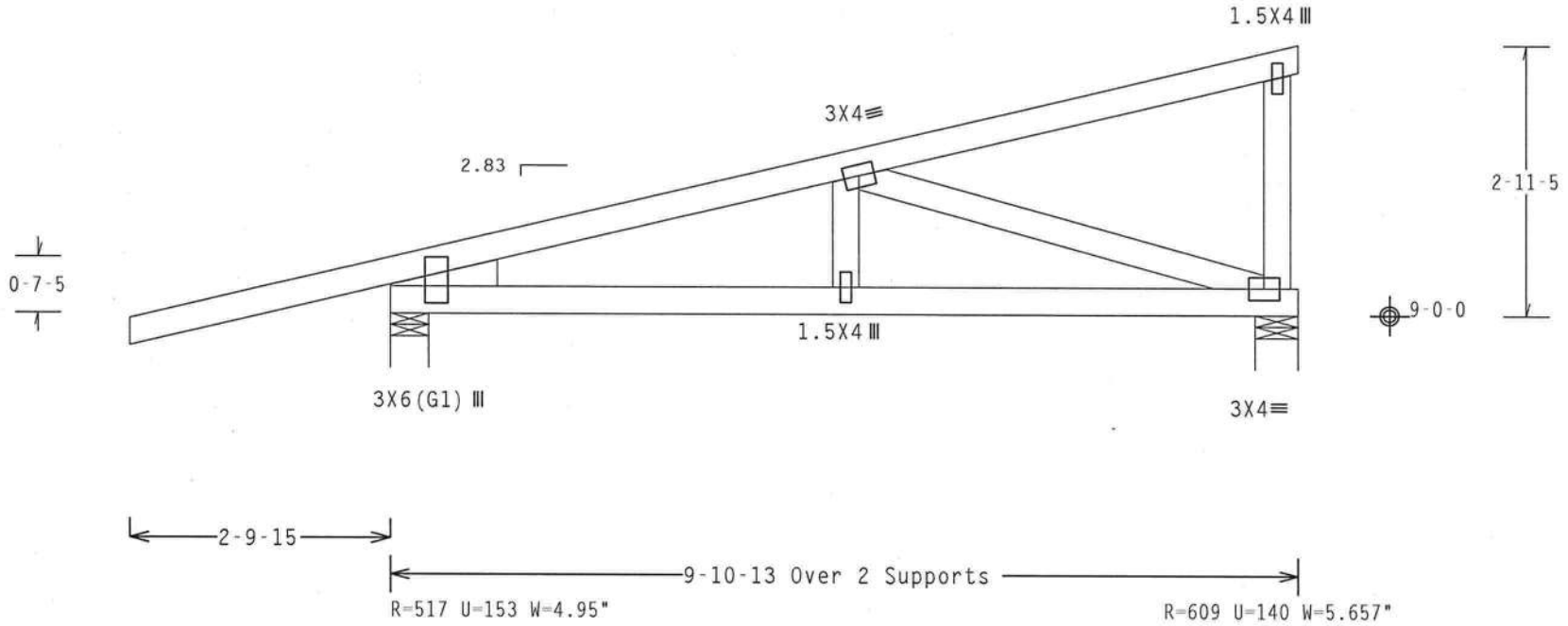
Hipjack supports 7-0-0 setback jacks with no webs.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN.. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Nov 01 07

TC LL	20.0 PSF	REF R8228- 60394
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304122
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 57819
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

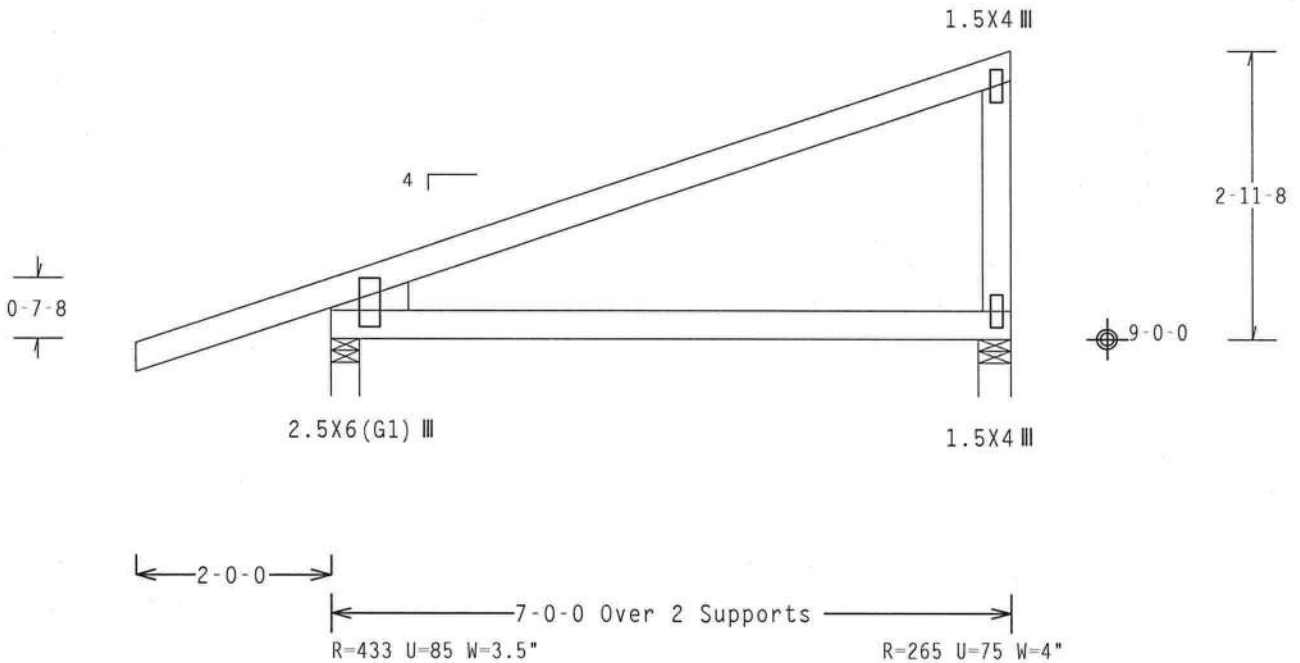
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424.16

PLT TYP. Wave QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF	R8228- 60395
TC DL	10.0 PSF	DATE	10/31/07
BC DL	10.0 PSF	DRW	HCUSR8228 07304081
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	57814
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

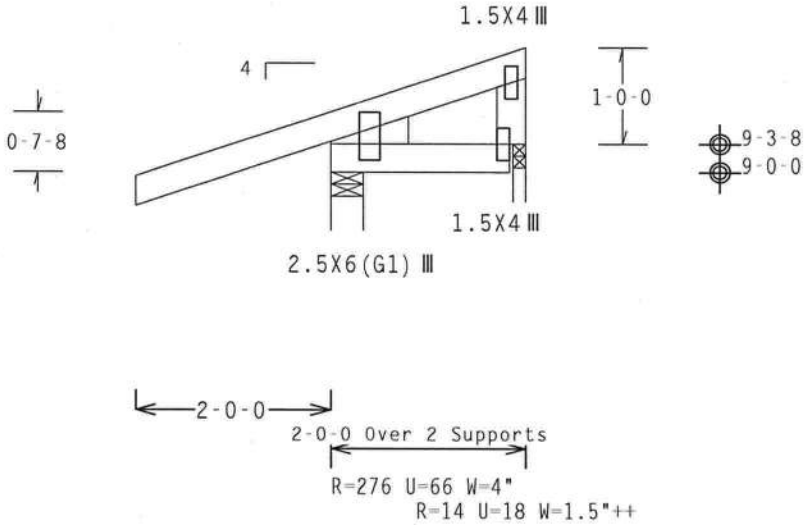
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x4 SP #3:

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

++ ANCHORAGE REQ'D TO PREVENT TRUSS FROM SLIPPING OFF BEARING.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0424

PLT TYP. Wave

QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #0278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS JR. LICENSE No. 52272 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov 01 07

TC LL	20.0 PSF	REF R8228- 60396
TC DL	10.0 PSF	DATE 10/31/07
BC DL	10.0 PSF	DRW HCUSR8228 07304082
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 58115
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

Top chord 2x6 SP #2
Bot chord 2x6 SP #2 :B2 2x4 SP #2 Dense:
Webs 2x4 SP #3 :W1, W26 2x6 SP #2:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.00 / PLATE DUR.FAC.=1.00)
TC - From 322 PLF at 0.00 to 322 PLF at 14.17
TC - From 100 PLF at 14.17 to 100 PLF at 15.00
BC - From 309 PLF at 0.00 to 309 PLF at 15.00

110 mph wind, 18.40 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=3.0 psf.

End verticals not exposed to wind pressure.

Truss must be installed as shown with top chord up.

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER AND TRUSS FABRICATOR TO REVIEW THIS DWG PRIOR TO CUTTING LUMBER TO VERIFY THAT ALL DATA, INCLUDING DIMENSIONS AND LOADS, CONFORM TO THE ARCHITECTURAL PLANS/ SPECIFICATIONS AND FABRICATOR'S TRUSS LAYOUT.

2 COMPLETE TRUSSES REQUIRED

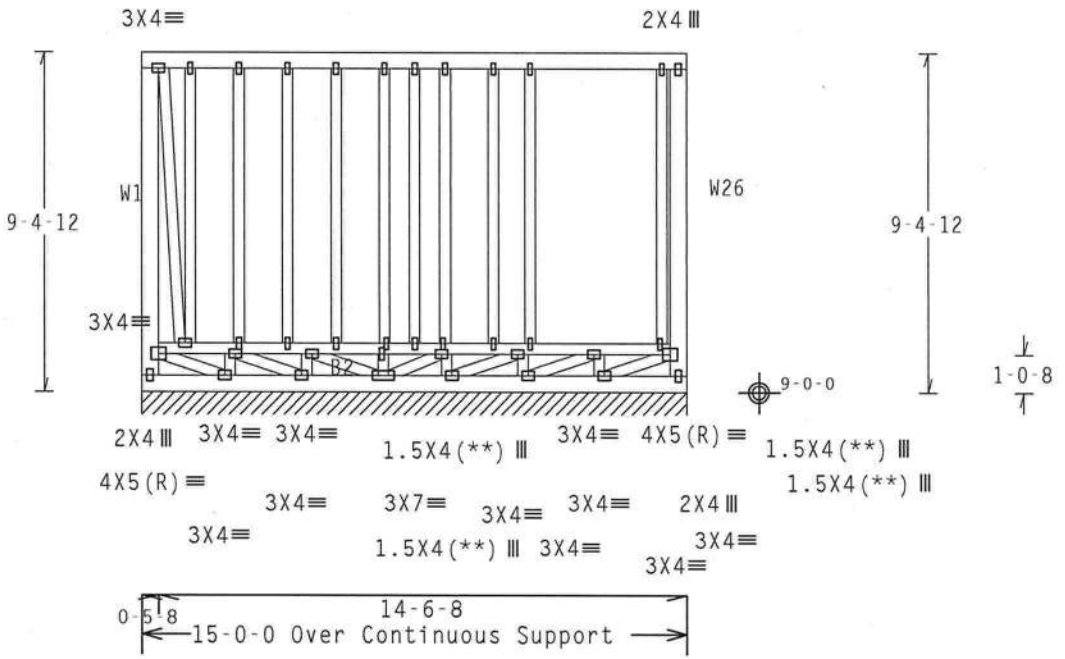
Nailing Schedule: (12d_Common_(0.148"x3.25"._min.)_nails)
Top Chord: 1 Row @ 9.50" o.c.
Bot Chord: 1 Row @10.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

(**) 4 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



R=619 PLF U=94 PLF W=15-0-0

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization #9278

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Nov 01 07

TC LL	40.0 PSF	REF	R8228- 60397
TC DL	10.0 PSF	DATE	10/31/07
BC DL	5.0 PSF	DRW	HCUSR8228 07304123
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	55.0 PSF	SEQN-	58108
DUR.FAC.	1.00	FROM	AH
SPACING	24.0"	JREF-	1TC28228Z01

Top chord 2x6 SP #2
Bot chord 2x6 SP #2 :B2, B3 2x4 SP #2 Dense:
Webs 2x4 SP #3 :W1, W40 2x6 SP #2:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 24.00
BC - From 20 PLF at 0.00 to 20 PLF at 24.00
PLT- 1329 LB Conc. Load at (0.06,18.36)
PLT- 663 LB Conc. Load at (2.06,18.36), (4.06,18.36), (6.06,18.36) (8.06,18.36), (10.06,18.36)
PLT- 3075 LB Conc. Load at (11.81,18.36)
PLT- 436 LB Conc. Load at (13.94,18.36), (15.94,18.36), (17.94,18.36)
PLT- 441 LB Conc. Load at (19.94,18.36), (21.94,18.36)

End verticals not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25"._min.)_nails)
Top Chord: 1 Row @ 4.25" o.c.
Bot Chord: 1 Row @10.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

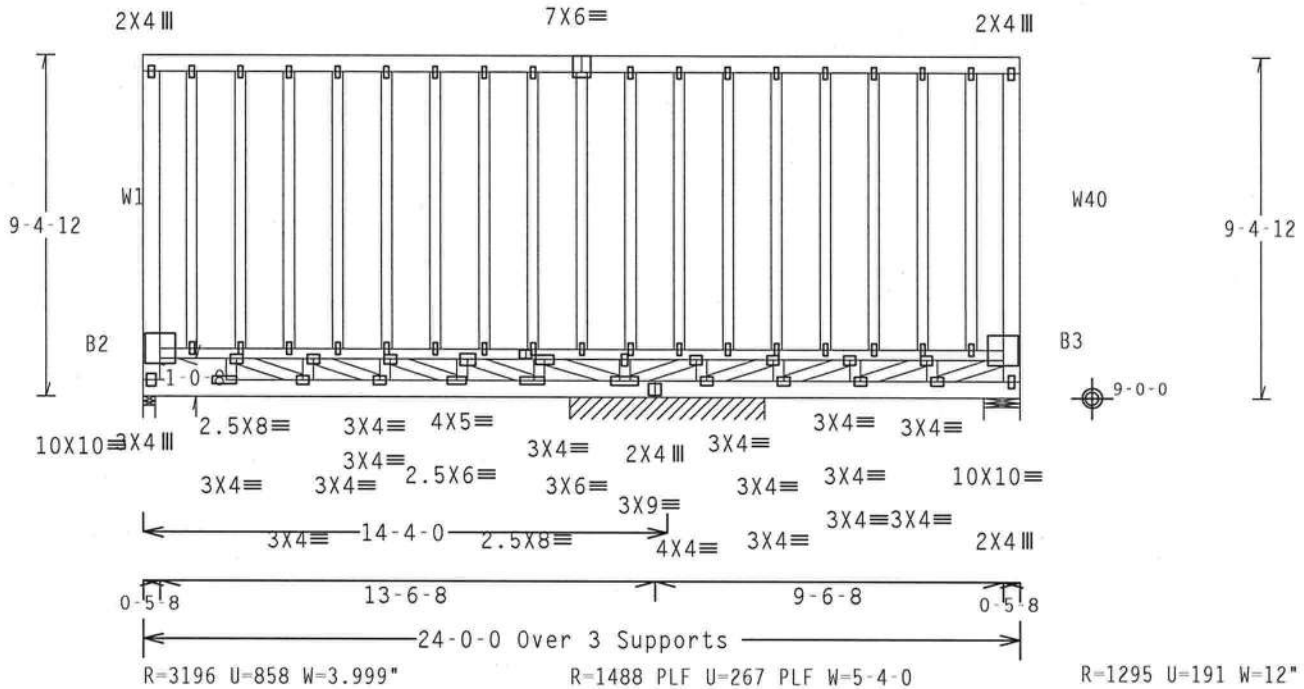
110 mph wind, 18.40 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=3.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Girder supports 13-2-0 span to BC one face and 2-0-0 span to TC/BC split opposite face.

Truss must be installed as shown with top chord up.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424.12 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc
Haines City, FL 33844
FL Certificate of Authorization # 0278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Nov

TC LL	40.0 PSF	REF R8228- 60398
TC DL	10.0 PSF	DATE 10/31/07
BC DL	5.0 PSF	DRW HCUSR8228 07304124
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	55.0 PSF	SEQN- 58102
DUR.FAC.	1.00	FROM AH
SPACING	24.0"	JREF- 1TC28228Z01

ASCE 7-02: 110 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"
		#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"
		STUD	3' 7"	5' 5"	5' 5"	7' 1"	7' 1"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"
		STANDARD	3' 7"	4' 8"	4' 8"	6' 1"	6' 1"	8' 3"	8' 3"	9' 6"	9' 6"	12' 11"	12' 11"
	SP DFL	#1	4' 0"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#2	3' 11"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#3	3' 9"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	9' 5"	11' 5"	11' 5"	14' 0"	14' 0"
		STUD	3' 9"	5' 6"	5' 6"	7' 3"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"
		STANDARD	3' 8"	4' 9"	4' 9"	6' 3"	6' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	14' 0"
16" O.C.	SPF HF	#1 / #2	4' 2"	7' 3"	7' 5"	8' 7"	8' 10"	10' 3"	10' 6"	13' 5"	13' 10"	14' 0"	14' 0"
		#3	4' 1"	6' 8"	6' 8"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"
		STUD	4' 1"	8' 0"	8' 0"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"
		STANDARD	4' 1"	5' 8"	5' 8"	7' 6"	7' 6"	10' 1"	10' 1"	11' 8"	11' 8"	14' 0"	14' 0"
	SP DFL	#1	4' 7"	7' 3"	7' 9"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		#2	4' 6"	7' 3"	7' 9"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	6' 10"	6' 10"	8' 7"	9' 0"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	6' 9"	6' 9"	8' 7"	8' 11"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 2"	5' 10"	5' 10"	7' 8"	7' 8"	10' 3"	10' 4"	11' 11"	11' 11"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 7"	8' 0"	8' 2"	9' 5"	9' 8"	11' 3"	11' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 6"	6' 7"	6' 7"	8' 8"	8' 8"	11' 3"	11' 3"	13' 6"	13' 6"	14' 0"	14' 0"
	SP DFL	#1	5' 1"	8' 0"	8' 7"	9' 5"	10' 2"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 11"	8' 0"	8' 7"	9' 5"	10' 2"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 9"	7' 11"	7' 11"	9' 5"	9' 11"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 9"	7' 9"	7' 9"	9' 5"	9' 11"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	
#1 / #2	STANDARD
#3	STUD

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

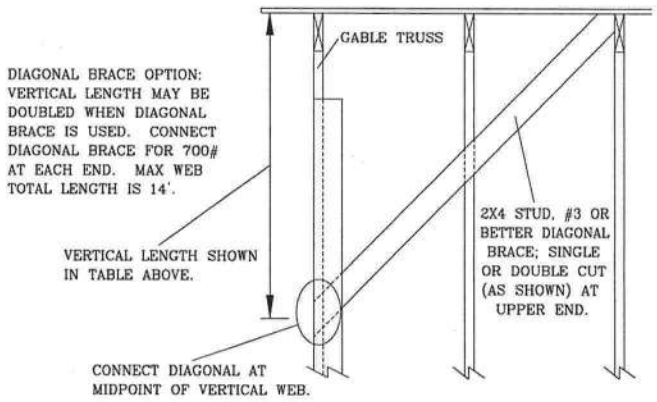
SOUTHERN PINE
#3
STUD
STANDARD

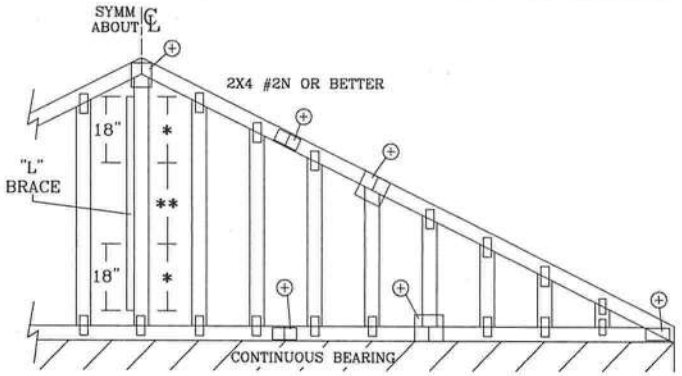
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 100 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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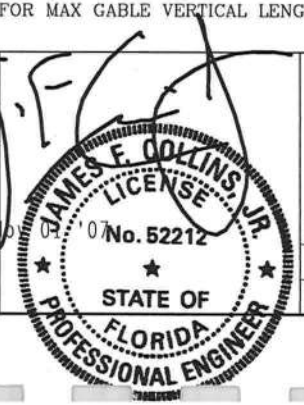
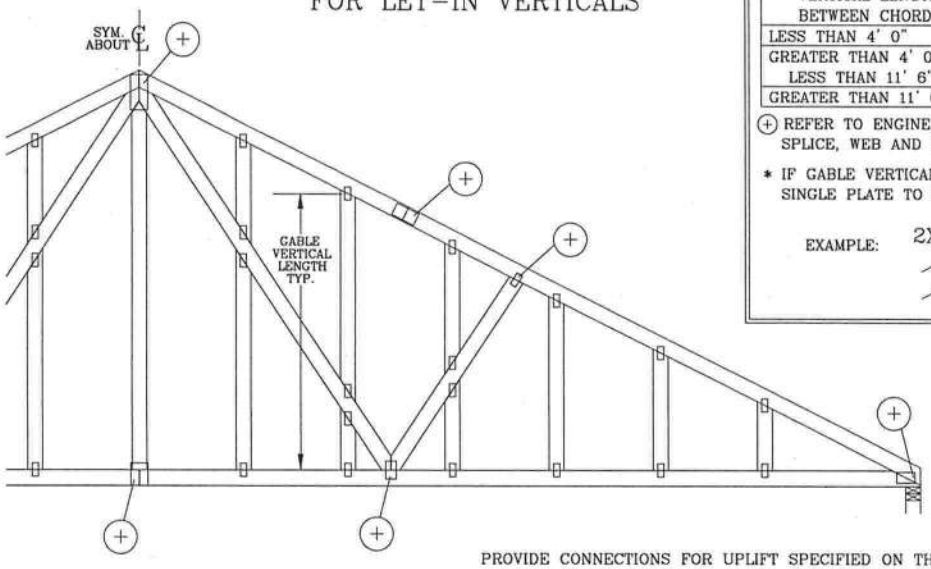


MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11030
DATE	2/23/07
DRWG	A11030EE0207
-ENG	

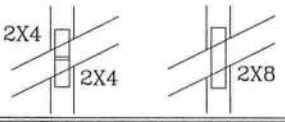
GABLE DETAIL
FOR LET-IN VERTICALS

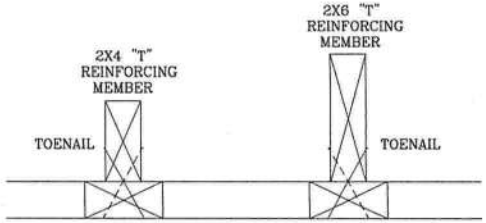


GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE: 



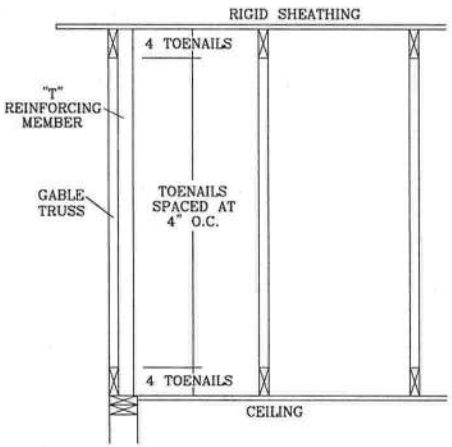
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:
ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT
GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON (0.148"X 3.",MIN) TOENAILS AT 4" O.C. PLUS
(4) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS:
8d COMMON (0.131"X 2.5",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207,
A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08515EC0207,
A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A08530EC0207
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0207, A12015EE0207, A11015EE0207, A10015EE0207, A08515EE0207,
A13030EE0207, A12030EE0207, A11030EE0207, A10030EE0207, A08530EE0207
ASCE 7-05 GABLE DETAIL DRAWINGS
A13015E50207, A12015E50207, A11015E50207, A10015E50207, A08515E50207,
A13030E50207, A12030E50207, A11030E50207, A10030E50207, A08530E50207

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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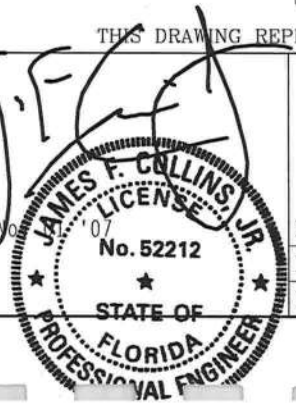


NO. 1 '07

MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF	LET-IN VERT
DATE	2/23/07
DRWG	GBLLETIN0207
-ENG	DLJ/KAR

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

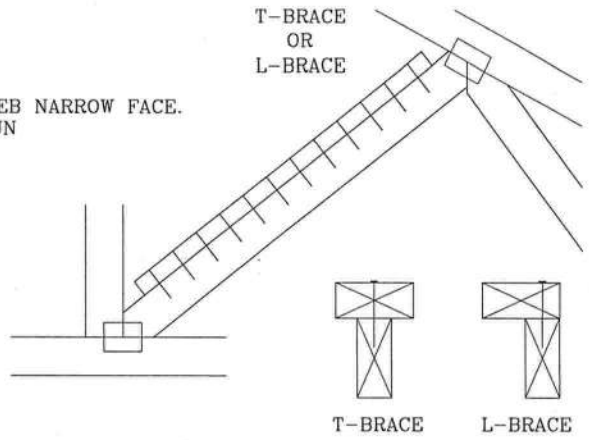
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

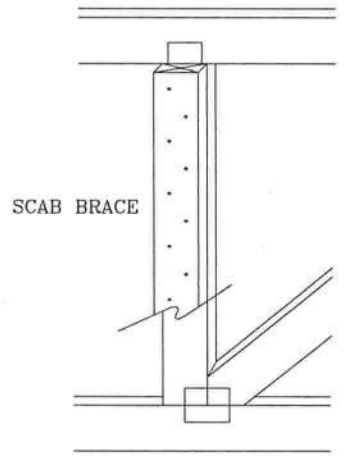
T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE. ATTACH WITH 10d BOX OR GUN (0.128"x 3.",MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB. NO MORE THAN (1) SCAB PER FACE. ATTACH WITH 10d BOX OR GUN (0.128"x 3.",MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

ALPINE

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Nov 07

JAMES F. COLLINS, JR. LICENSE No. 52912 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	PSF	REF CLB SUBST.
TC DL	PSF	DATE 2/23/07
BC DL	PSF	DRWG BRCLBSUB0207
BC LL	PSF	-ENG MLH/KAR
TOT. LD.	PSF	
DUR. FAC.		
SPACING		

ASCE 7-98: 110 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"
		#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"
		STUD	3' 7"	5' 5"	5' 5"	7' 1"	7' 1"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"
		STANDARD	3' 7"	4' 8"	4' 8"	6' 1"	6' 1"	8' 3"	8' 3"	9' 6"	9' 6"	12' 11"	12' 11"
	SP DFL	#1	4' 0"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#2	3' 11"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#3	3' 9"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	9' 5"	11' 5"	11' 5"	14' 0"	14' 0"
		STUD	3' 9"	5' 6"	5' 6"	7' 3"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"
		STANDARD	3' 8"	4' 9"	4' 9"	6' 3"	6' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	14' 0"
16" O.C.	SPF HF	#1 / #2	4' 2"	7' 3"	7' 5"	8' 7"	8' 10"	10' 3"	10' 6"	13' 5"	13' 10"	14' 0"	14' 0"
		#3	4' 1"	6' 8"	6' 8"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"
		STUD	4' 1"	8' 0"	8' 0"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"
		STANDARD	4' 1"	5' 8"	5' 8"	7' 6"	7' 6"	10' 1"	10' 1"	11' 8"	11' 8"	14' 0"	14' 0"
	SP DFL	#1	4' 7"	7' 3"	7' 9"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		#2	4' 6"	7' 3"	7' 9"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	6' 10"	6' 10"	8' 7"	9' 0"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	6' 9"	6' 9"	8' 7"	8' 11"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 2"	5' 10"	5' 10"	7' 8"	7' 8"	10' 3"	10' 4"	11' 11"	11' 11"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 7"	8' 0"	8' 2"	9' 5"	9' 8"	11' 3"	11' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 6"	6' 7"	6' 7"	8' 8"	8' 8"	11' 3"	11' 3"	13' 6"	13' 6"	14' 0"	14' 0"
	SP DFL	#1	5' 1"	8' 0"	8' 7"	9' 5"	10' 2"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 11"	8' 0"	8' 7"	9' 5"	10' 2"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 9"	7' 11"	7' 11"	9' 5"	9' 11"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 9"	7' 9"	7' 9"	9' 5"	9' 11"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	
#1 / #2	STANDARD
#3	STUD

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

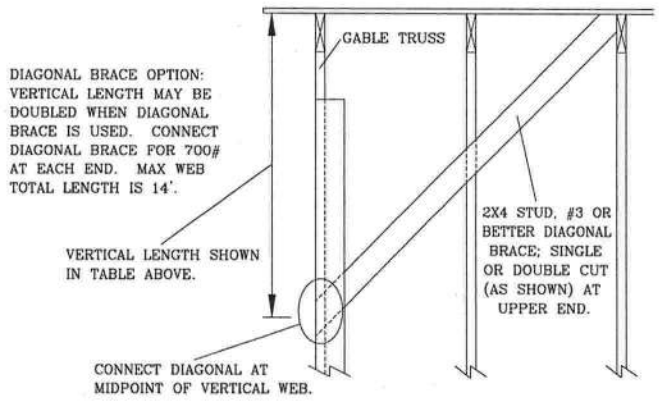
SOUTHERN PINE
#3
STUD
STANDARD

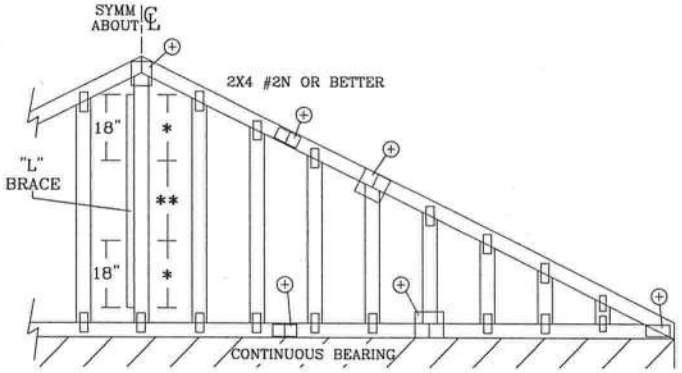
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2





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* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

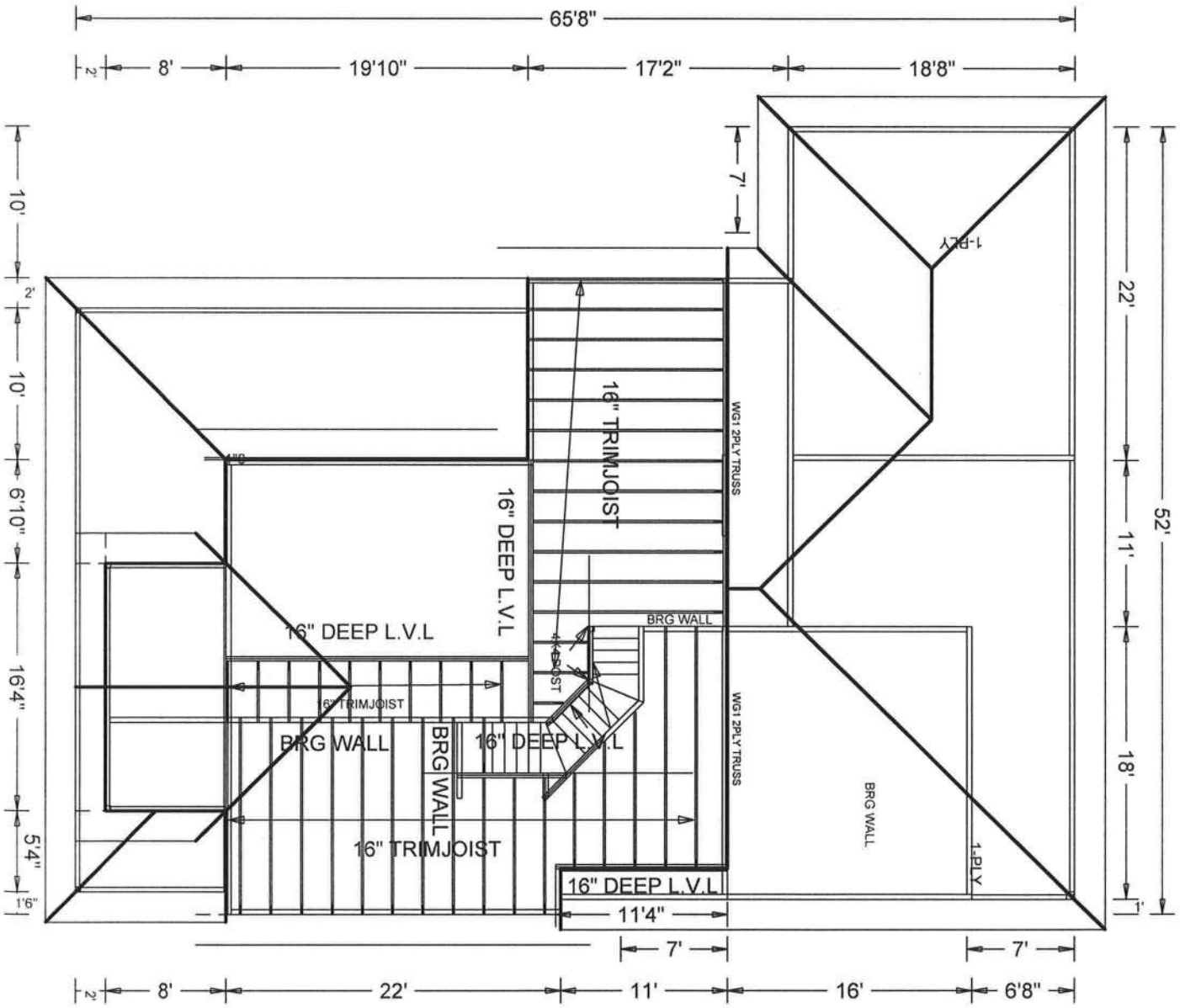
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW, BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W,K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

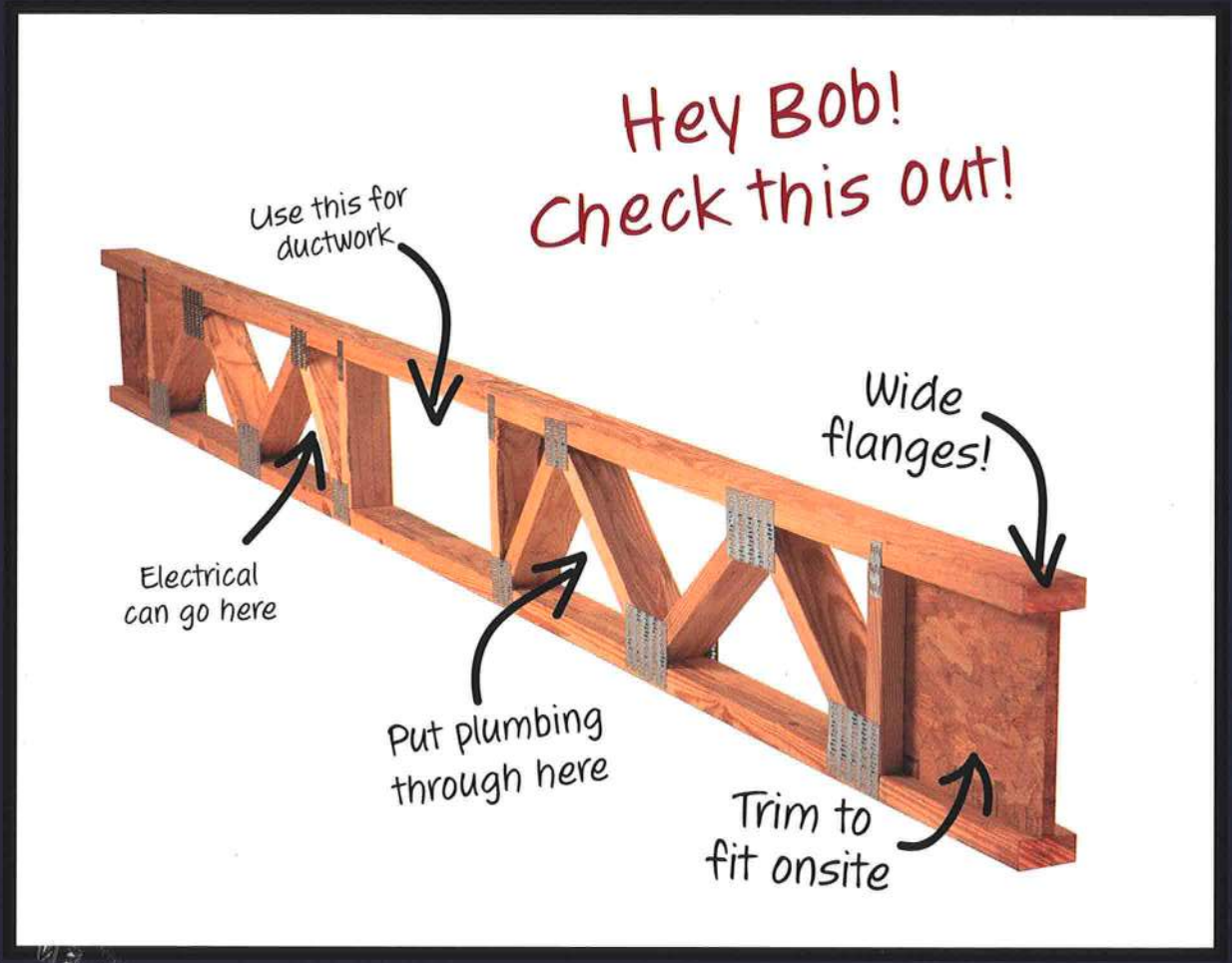
REF	ASCE7-98-GAB11030
DATE	2/23/07
DRWG	A11030EC0207
-ENG	

#7-312F 2ND FLOOR
SLK CONST.-
RIVER HOUSE



JOB NO:	JOB DESCRIPTION:: SLK Construction /: River House	
7-312F		
PAGE NO:		
1 OF 1		

TrimJoist



If Bob tries TrimJoist, he'll find out why TrimJoist is the best choice for floor truss products.

IT'S CONTRACTOR-FRIENDLY.
The end sections can be trimmed onsite.

IT SAVES MONEY AND TIME.
With strut-webbing, there's no need for subcontractors to cut holes.

IT'S STRONGER.
You don't weaken the joist with holes.

IT HAS WIDE FLANGES.
With 3.5-inch flanges on the top and bottom, subfloor application is simple. Nailing and gluing are easier.

IT COMES WITH A TEAM OF ENGINEERS.
Just call our toll-free number for custom engineering.

TrimJoist
ENGINEERED WOOD PRODUCTS

1 800 844-8281
www.trimjoist.com

U.S. Patent 5,761,872 • U.S. Patent 6,139,667 • Additional Patents Pending

The *uniform load* span charts below indicate the maximum design spans (including a 1½" minimum bearing at each end) for each family of *Trim*Joist floor joists. Each chart is divided into columns which represent common design loadings and rows which show typical spacings. Most residential designs require a minimum of 55 psf loading. Floors used for heavy traffic and/or heavy floor coverings (e.g. Tile) should be designed at 60 psf minimum. All loads are broken down into *Live, Top-dead* and *Bottom-dead* components. For example, the 55 psf column is really 40 psf live plus 10 psf top-dead plus 5 psf bottom-dead for a total of 55 psf. Dead loads are the weight of construction materials and are always present for the whole life of the structure. Live loads, on the other hand, are transient and are never constant over the life of the structure. Select the appropriate column based on the *dead* loads of your construction materials. These charts are for *uniformly loaded, clear span, simply supported* joists. For special applications requiring concentrated loads, asymmetric continuous loads, cantilevers, or special bearing conditions please consult a *Trim*Joist representative or authorized dealer. The TPDS computer program can be used to analyze almost any loading and/or bearing condition.

11 ¼" Deep

Loading	55 PSF (40/10/5)	60 PSF (40/10/10)
Spacing 12	24′- 0" L/497	24′- 0" L/497
Spacing 16	22′- 0" L/485	22′- 0" L/485
Spacing 19.2	21′- 2" L/453	21′- 2" L/453
Spacing 24	19′- 7" L/455	19′- 7" L/455

16" Deep

Loading	55 PSF (40/10/5)	60 PSF (40/10/10)
Spacing 12	28′- 0" L/676	28′- 0" L/676
Spacing 16	28′- 0" L/507	28′- 0" L/507
Spacing 19.2	27′- 4" L/453	27′- 4" L/453
Spacing 24	25′- 5" L/450	25′- 5" L/450

14" Deep

Spacing 12	26′- 0" L/633	26′- 0" L/633
Spacing 16	26′- 0" L/475	26′- 0" L/475
Spacing 19.2	24′-10" L/453	24′-10" L/453
Spacing 24	23′- 0" L/452	22′- 0" L/517

18" Deep

Spacing 12	30′- 0" L/710	30′- 0" L/710
Spacing 16	30′- 0" L/532	30′- 0" L/532
Spacing 19.2	29′-10" L/451	29′-10" L/451
Spacing 24	27′- 7" L/468	27′- 3" L/473

Notes on Span Charts:

1. Spans are based on uniformly loaded joists and include allowances for repetitive use members.
2. Live loads of 40 psf are assumed, Additional dead loads should be chosen based on construction materials.
3. All *Trim*Joist floor joists have a TOP orientation and should not be installed upside-down.
4. Stiffness factors (L/xxx) assume a minimum ¾-inch span-rated subfloor that has been both *glued* and *nailed*.
5. Limit total reaction (per end) to that indicated in the Maximum Reaction Table at the right.
6. Do not apply center supports, cantilevers, concentrated, or asymmetrical continuous loads without first consulting a *Trim*Joist representative.

Maximum Reaction Table

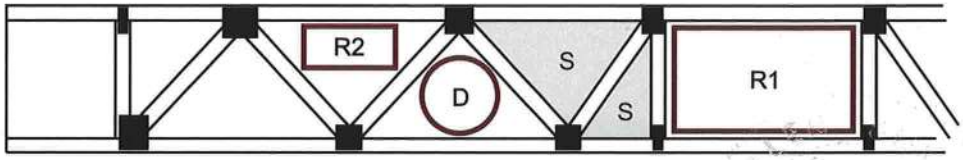
Width	1½	3½	5½
Max	3000	3500	4000

Width is the width of the loaded wall above, or the bearing wall width whichever is less.

A Note About Floor Stiffness: Floor performance is greatly influenced by joist stiffness. Experience has shown that a floor system designed to minimum code acceptance may not meet the expectations of discerning owners. *Trim*Joist Corporation strongly recommends that floor spans be limited to those indicated in the charts above. The numbers in these charts far exceed minimum code requirements and are based on both gluing *and* nailing the subfloor. In cases where the subfloor is nailed only, spans remain the same, but the stiffness must be reduced by 20%. For optimal performance use screws in lieu of nails.

Opening Sizes

	J12	J14	J16	J18
H	11¼"	14"	16"	18"
D	5"	8"	9"	10"
R1	8x16	10x24	12x24	14x24
R2	4x9	4x10 6x6	4x12 6x8	4x14 6x10 8x8



1. All sizes given are in inches and denote maximum expected clearance.
2. Rectangular opening (R1) is provided at centerline of stock length.
3. Only opening D available in 4' stock length (one opening only).
4. Only opening R1 available in 6' and 8' stock length.
5. Openings R2 & D not applicable in shaded areas (s).

Sept. 22, 2004

Good Framing Practice...

DO Install *Trim*Joists right side up. TOP is stamped on the top of each joist.

DO Make sure that each *Trim*Joist bears on the bottom flange beneath the *Trim*End section or beneath the first metal plate if the *Trim*End section has been removed.

DO Use strongback stiffeners. Although not required for structural performance, strongback adds additional resistance to impact loadings.

DO Provide appropriate bearing width at each end of the *Trim*Joist. The required width can be found in the Maximum Reaction Table above. Use vertical web stiffeners where reactions exceed these values.

DO Use *Trim*Joist approved hangers for flush-mounted bearing conditions. These may be purchased from your local *Trim*Joist dealer.

DO Use an appropriately rated sub-floor that has been both glued and nailed/screwed to the top flange of the *Trim*Joist.

DO Consult your *Trim*Joist dealer or representative about special loading or bearing conditions not addressed in this Application Guide.

DO NOT cut any part of the *Trim*Joist except for the *Trim*End sections which are specifically designed to be field cut.

DO NOT remove, cut or alter any metal plate connector on the *Trim*Joist without first consulting a factory engineer.

DO NOT install the *Trim*Joist upside down without first consulting a *Trim*Joist factory engineer.

DO NOT use a *Trim*Joist as a header or beam except as may be instructed by a *Trim*Joist engineer.

DO NOT allow the *Trim*Joist to be supported by the top flange. All support must be from under the bottom flange.

DO NOT depend on "toe nailing" to provide adequate support capacity for flush-mounted framing. Consult your local *Trim*Joist dealer or a *Trim*Joist factory engineer for proper hanger selection.

DO NOT apply special support or load conditions without first consulting a *Trim*Joist representative.

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 536 SE BAYA
City LAKE CITY Phone 386-7521703

Site Location: Subdivision
Lot # Block# Permit # 26702
Address 625 NW CARTER

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☑ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☑ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
DWELLING	2514	242	300

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

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

2-21-08	11:00	DAVID FULLER
Date	Time	Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©