

DATE 10/21/2005

Columbia County Building Permit

PERMIT

000023748

This Permit Expires One Year From the Date of Issue

APPLICANT MELANIE RODER PHONE 752-2281
ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024
OWNER JOSH SPARKS PHONE 623-0575
ADDRESS 566 SW PHILLIPS CIRCLE LAKE CITY FL 32024
CONTRACTOR SPARKS CONTRACTORS PHONE 623-0575
LOCATION OF PROPERTY 90W, TL ON CR 252B, TR ON SW PHILLIPS CIRCLE, TL ON PHILLIPS CIRCLE, 5TH ON RIGHT
TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 92250.00
HEATED FLOOR AREA 1845.00 TOTAL AREA 2380.00 HEIGHT .00 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB
LAND USE & ZONING RSF-2 MAX. HEIGHT 19
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00
NO. EX.D.U. 0 FLOOD ZONE X PP DEVELOPMENT PERMIT NO.

PARCEL ID 03-4S-16-02739-241 SUBDIVISION TURKEY RUN
LOT 41 BLOCK PHASE UNIT TOTAL ACRES

000000855 CBC1252260
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
CULVERT 05-1049-N BK JH Y
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD

Check # or Cash 2760

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic
Under slab rough-in plumbing Slab Sheathing/Nailing
Framing Rough-in plumbing above slab and below wood floor
Electrical rough-in Heat & Air Duct Peri. beam (Lintel)
Permanent power C.O. Final Culvert
M/H tie downs, blocking, electricity and plumbing Pool
Reconnection Pump pole Utility Pole
M/H Pole Travel Trailer Re-roof

BUILDING PERMIT FEE \$ 465.00 CERTIFICATION FEE \$ 11.90 SURCHARGE FEE \$ 11.90
MISC. FEES \$.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ 25.00 TOTAL FEE 588.80
INSPECTORS OFFICE CLERKS OFFICE

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525
(exp. 10/31/2005)

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.
Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB109476 Company Phone No. 386-755-3611
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Sparkle Termite # 23748 Company Phone No. 237

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 566 SW Ph 11th Ave, Lake City, FL 32055
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside 12 Inside 12 Type of Fill 0

Section 4: Treatment Information

Date(s) of Treatment(s) 11-14-05
Brand Name of Product(s) Used Proshield
EPA Registration No. 100-10006
Approximate Final Mix Solution % 0.5%
Approximate Size of Treatment Area: Sq. ft. 2340 Linear ft. 225 Linear ft. of Masonry Voids 225
Approximate Total Gallons of Solution Applied 46.5
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No upon completion
Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____
Comments _____

Name of Applicator(s) Steve Brannen Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature [Signature] Date 11-14-05

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)
Form NPCA-99-B may still be used form HUD-NPCA-99-B (04/2003)

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0510-59 Date Received 01/19/05 By LH Permit # 855/23748
 Application Approved by - Zoning Official BK Date 21.10.05 Plans Examiner OK JTH Date 10-20-05
 Flood Zone X P-1 Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Dens.
 Comments NOC

Applicants Name Linda Roder Phone 752-2281
 Address 387 S.W. Kemp Ct. Lake City FL 32024
 Owners Name Sparks Contractors Inc. Phone 623-0575
 911 Address 566 S.W. Phillips Circle Lake City FL 32024
 Contractors Name Sparks Contractors Inc. Josh Sparks Phone 623-0575
 Address P.O. Box 1479 Lake City FL 32056
 Fee Simple Owner Name & Address NA
 Bonding Co. Name & Address NA
 Architect/Engineer Name & Address David Disosway/ Mark Disosway
 Mortgage Lenders Name & Address CCB
 Circle the correct power company FL Power & Light Clay Elec. Suwannee Valley Elec. Progressive Energy
 Property ID Number 03-45-16-02739-241 Estimated Cost of Construction 80,000
 Subdivision Name Turkey Run Lot 41 Block Unit Phase
 Driving Directions Hwy 90 West, Turn L on County Road 252B
 Turn R on SW Phillips Circle, Turn L at Stop, Lot on R,
 5th Lot down on R
 Type of Construction SFD Number of Existing Dwellings on Property 0
 Total Acreage .5 Lot Size .5 ac Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 35' Side 21.5' Side 21.5' Rear 183.07'
 Total Building Height 19'4" Number of Stories 1 Heated Floor Area 1845 Roof Pitch 8-12
Porches 41 GARAGE 494 TOTAL 2380

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

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

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

Owner Builder or Agent (Including Contractor) Linda R. Roder
 STATE OF FLORIDA
 COUNTY OF COLUMBIA
 Sworn to (or affirmed) and subscribed before me
 this 27 day of Sept 2005
 Personally known or Produced Identification



Contractor Signature [Signature]
 Contractors License Number CBC1252260
 Competency Card Number
 NOTARY STAMP/SEAL
[Signature]
 Notary Signature

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID 05-771
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

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

Property Appraiser's
Identification Number R02739-241

WARRANTY DEED

This Warranty Deed, made this 26th day of September, 2005, BETWEEN JOEY D. LANGFORD, whose post office address is 1623 SW 298th Street, Newberry, FL 32669, of the State of Florida, grantor*, and SPARKS CONTRACTORS, INC., A Florida Corporation, whose post office address is 162 SW Country Court, Lake City, FL 32024, of the County of Columbia, State of Florida, grantee*.

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

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

Lot 41, TURKEY RUN, a subdivision according to the plat thereof as recorded in Plat Book 7, Pages 116-117 of the public records of Columbia County, Florida.

N.B.: Neither the Grantor nor any member of his family live on or reside on the property described herein or any adjacent land thereto or claim any part hereof or any adjacent land thereto as their homestead.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And subject to taxes for the current year and later years and all valid easements and restrictions of record, if any, which are not hereby reimposed; and also subject to any claim, right, title or interest arising from any recorded instrument reserving, conveying, leasing, or otherwise alienating any interest in the oil, gas and other minerals. And grantor does warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, subject only to the exceptions set forth herein.

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

Columbia County Property Appraiser

DB Last Updated: 9/16/2005

Parcel: 03-4S-16-02739-241

2005 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	LANGFORD JOEY D
Site Address	TURKEY RUN
Mailing Address	1623 SW 298TH ST NEWBERRY, FL 32669
Brief Legal	LOT 41 TURKEY RUN S/D. ORB WD 1000-2439, WD 1029-1118, WD 1034-1562.

Use Desc. (code)	VACANT (000000)
Neighborhood	3416.00
Tax District	2
UD Codes	MKTA06
Market Area	06
Total Land Area	0.500 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$16,500.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$16,500.00

Just Value	\$16,500.00
Class Value	\$0.00
Assessed Value	\$16,500.00
Exempt Value	\$0.00
Total Taxable Value	\$16,500.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
12/30/2004	1034/1562	WD	V	Q		\$45,000.00
10/28/2004	1029/1118	WD	V	Q		\$54,000.00
11/24/2003	1000/2439	WD	V	Q		\$52,500.00

Building Characteristics

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

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (.500AC)	1.00/1.00/1.00/1.00	\$16,500.00	\$16,500.00

Columbia County Property Appraiser

DB Last Updated: 9/16/2005

1 of 1



Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 03-4S-16-02739-241 - VACANT (000000)

LOT 41 TURKEY RUN S/D. ORB WD 1000-2439, WD 1029-1118, WD 1034-1562.

Name:	LANGFORD JOEY D	LandVal	\$16,500.00
Site:	TURKEY RUN	BldgVal	\$0.00
Mail:	1623 SW 298TH ST	ApprVal	\$16,500.00
	NEWBERRY, FL 32669	JustVal	\$16,500.00
Sales	12/30/2004 \$45,000.00 V / Q	Assd	\$16,500.00
Info	10/28/2004 \$54,000.00 V / Q	Exmpt	\$0.00
	11/24/2003 \$52,500.00 V / Q	Taxable	\$16,500.00

0 170 340 510 ft



This information, GIS Map Updated: 8/3/2005, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

LIMITED POWER OF ATTORNEY

I, Josh Sparks, do hereby authorize Linda or Melanie Roder to be my representative and act on my behalf in all aspects of applying for a septic & building permit to be placed on property in Suwannee County, Florida described as follows:

Owner's Name: Sparks Contractors Inc → lots 50 Emerald Forest

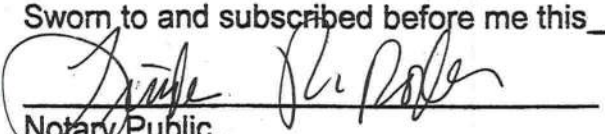
Section 03 Twp 45 Rge 16

Tax Parcel No. 02739-240 → Lot 40 Turkey Run


(Contractor's Signature)

9-27-05
(Date)

Sworn to and subscribed before me this 27 day of Sept, 2003.


Notary Public

My Commission expires: 3-24-08

Commission No: DD303275

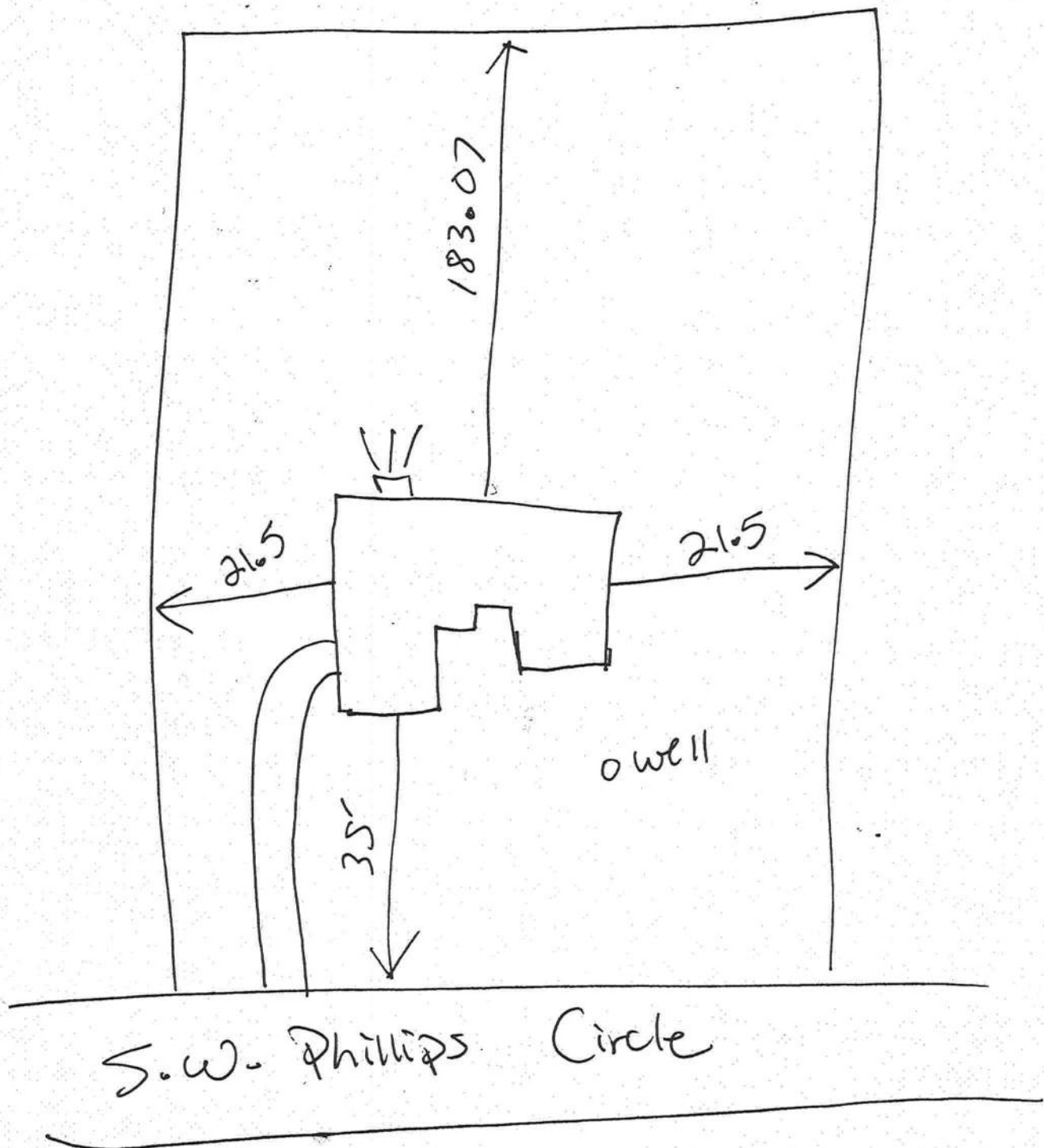
Personally Known: _____

Produced ID (Type): _____



Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

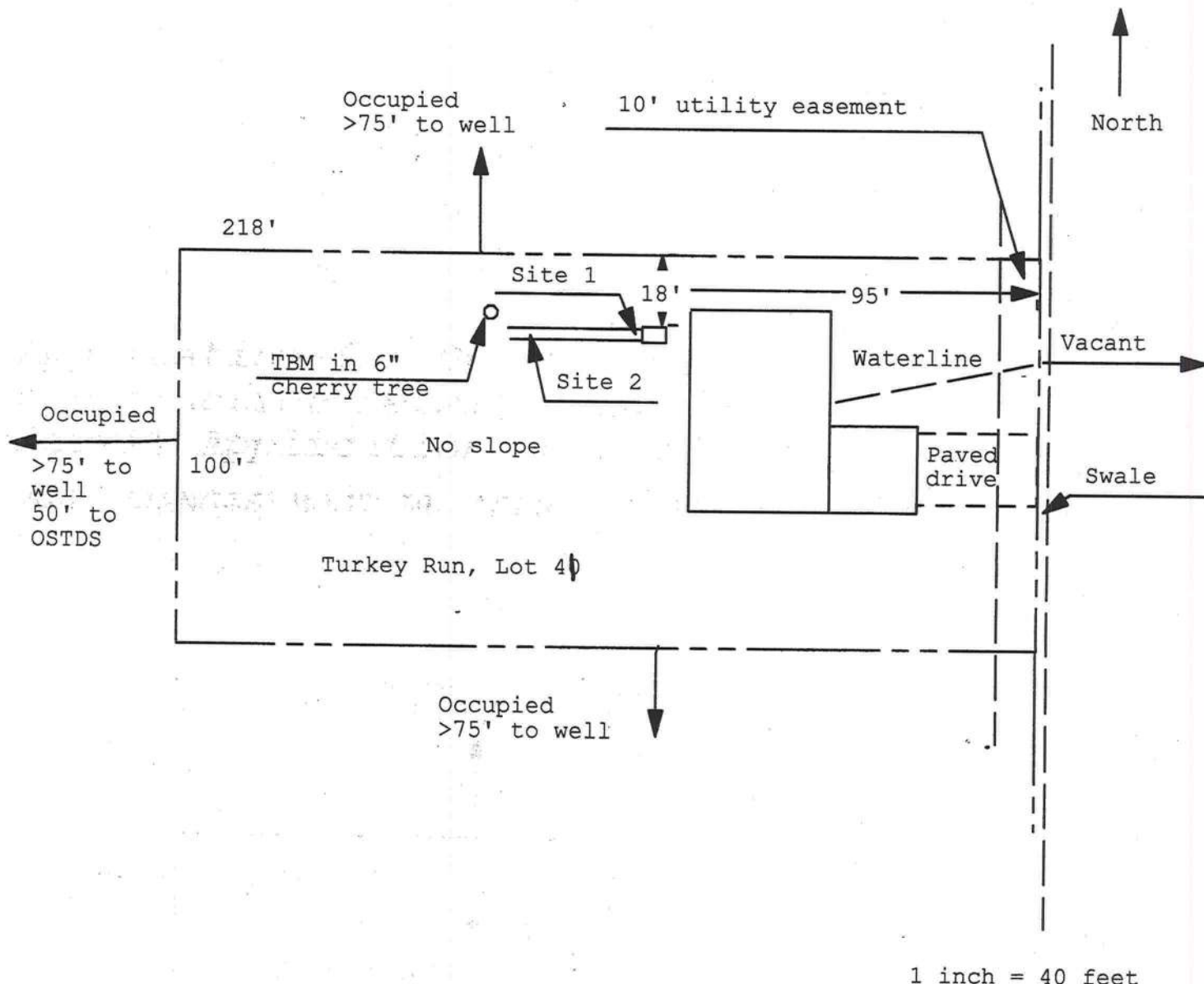
Site Plan . Lot 40 Turkey Run



Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 05-1049N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

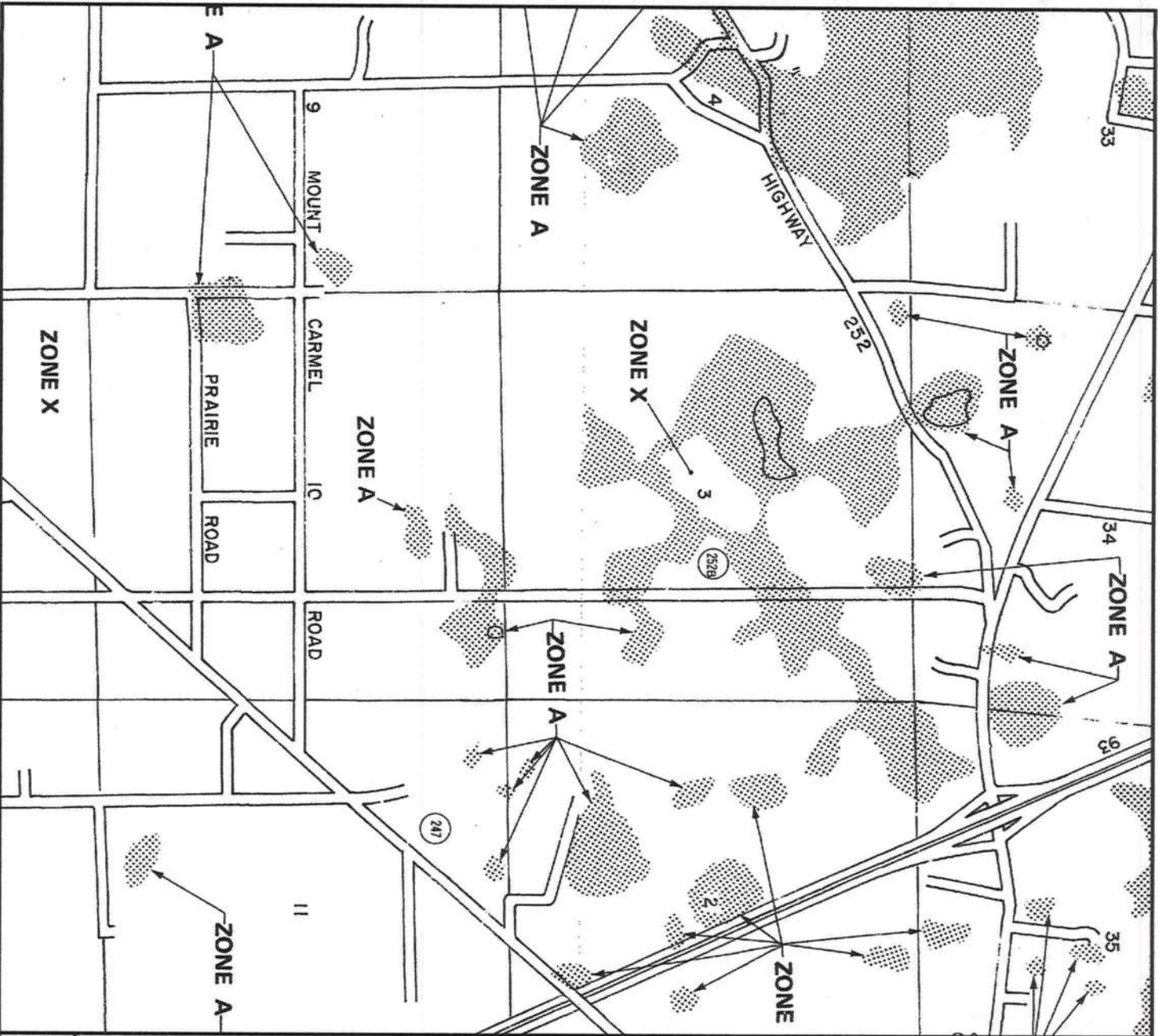
SPARKS CONST/CR 04-2834



1 inch = 40 feet

Site Plan Submitted By Paul L. Lyle Date 9/29/05
Plan Approved ✓ Not Approved _____ Date 10/14/05
By Mr. S. M. Columbia CPHU

Notes: _____



APPROXIMATE SCALE IN FEET
2000 0 2000

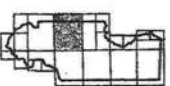
NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 175 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER

120070 0175 B

EFFECTIVE DATE:

JANUARY 6, 1988



Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Further information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/nifms.

- 1.) Bearings projected from West Right-of-Way line of COUNTY ROAD 252-B - N 01°32' 50"W.
- 2.) Interior improvements or underground encroachments, if present, were not located with this survey.
- 3.) Survey closure precision exceeds the requirements of the Minimum Technical Standards for Land Surveying in Florida.
- 4.) According to the official Flood maps (FIRM) of Columbia County, this development lies partly within Flood Zone "A", which has been determined to be inside of the 100 year flood plain, and partly within Flood Zone "X", which has been determined to be outside of the 500 year flood plain (Community Panel No. 120070 175 B). See face of plat for Zone "A" delineation.
Minimum Floor Elevations have been set by the Subdivider's Engineer for Lots 1, 2, 9, 10, 11, 12, 17, 18, 22, 23, & 24. See Sheet 1 for data.
- 5.) Preliminary approval: September 6, 2001
- 6.) Water and Sewerage disposal to be provided by individual lot owners, subject to County approval.
- 7.) Date of Plat: 12/02/2002.

COUNTY ATTORNEY'S CERTIFICATE

I HEREBY CERTIFY that I have examined the foregoing Plat and that it complies with the Columbia County Subdivision Ordinance and Chapter 177 of the Florida Statutes.

SIGNED: _____
County Attorney, Columbia County

DATE: _____

CLERK'S CERTIFICATE

THIS PLAT having been approved by the Columbia County Board of County Commissioners is accepted for files and recorded this

____ day of _____,
20____, in Plat Book _____,
Page _____.

SIGNED: _____

Clerk of Circuit Court

ACCEPTANCE FOR MAINTENANCE

I HEREBY CERTIFY that the improvements constructed in an acceptable manner with County specifications or that or instrument in the amount of \$_____ posted to assure completion of improvements and maintenance in case of

SIGNED: _____
Director of Public Works

CERTIFICATE OF THE SUBDIVIDER

THIS IS TO CERTIFY, that on _____, _____, Registered Florida Engineer, as _____, Status, License No. _____, required improvements have been constructed in accordance with the applicable laws and is applicable to the Commission of Columbia County.

SIGNED: _____

FAX NO. : 386-755-7022

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-8" WELLS



PHONE (804) 752-1054
FAX (804) 755-7022
XXXXXXXXXXXXXXXXXXXX
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphragm 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

FLORIDA ENERGY EFFICIENCY CODE
FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	509142SparksConstructionLot41TurkeyRuns	Builder:	
Address:	Lot: 41, Sub: Turkey Runs, Plat:	Permitting Office:	Columbia
City, State:	,	Permit Number:	23748
Owner:	SpecHouse	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 44.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	1845 ft²	13. Heating systems	
7. Glass area & type	Single Pane Double Pane	a. Electric Heat Pump	Cap: 44.0 kBtu/hr
a. Clear glass, default U-factor	0.0 ft² 285.8 ft²		HSPF: 7.40
b. Default tint, default U-factor	0.0 ft² 0.0 ft²	b. N/A	
c. Labeled U-factor or SHGC	0.0 ft² 0.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 161.0(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.89
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Face Brick, Wood, Exterior	R=13.0, 2140.0 ft²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2049.0 ft²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 136.0 ft		
b. N/A			

Glass/Floor Area: 0.15

Total as-built points: 29467
Total base points: 30274

PASS

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

PREPARED BY: Ben Sparks

DATE: 10-6-05

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

OWNER/AGENT:

DATE: 10-14-05

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:



SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 41, Sub: Turkey Runs, Plat: , , ,

PERMIT #:

BASE				AS-BUILT									
GLASS TYPES													
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points					
.18	1845.0	20.04	6655.3	Double, Clear	W	1.5	6.0	15.0	38.52	0.91	527.8		
				Double, Clear	W	1.5	6.0	45.0	38.52	0.91	1583.4		
				Double, Clear	W	1.5	4.0	6.0	38.52	0.82	189.0		
				Double, Clear	W	1.5	5.0	16.0	38.52	0.88	539.7		
				Double, Clear	N	1.5	5.0	16.0	19.20	0.92	281.3		
				Double, Clear	N	1.5	6.0	30.0	19.20	0.94	540.7		
				Double, Clear	E	1.5	6.0	15.0	42.06	0.91	575.9		
				Double, Clear	E	0.0	0.0	4.5	42.06	1.00	189.3		
				Double, Clear	E	0.0	0.0	13.3	42.06	1.00	560.9		
				Double, Clear	E	0.0	0.0	15.0	42.06	1.00	631.0		
				Double, Clear	E	0.0	0.0	13.5	42.06	1.00	567.9		
				Double, Clear	E	0.0	0.0	12.0	42.06	1.00	504.8		
				Double, Clear	E	0.0	0.0	30.0	42.06	1.00	1261.9		
				Double, Clear	S	1.5	6.0	30.0	35.87	0.86	921.2		
				Double, Clear	E	6.5	3.0	4.5	42.06	0.38	72.7		
				Double, Clear	W	1.5	9.0	20.0	38.52	0.97	747.6		
				As-Built Total:							285.8	9694.9	
				WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points		
Adjacent Exterior	0.0 2140.0	0.00 1.70	0.0 3638.0	Face Brick, Wood, Exterior	13.0		2140.0	0.35		749.0			
Base Total: 2140.0 3638.0				As-Built Total: 2140.0 749.0									
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points								
Adjacent Exterior	20.0 40.0	2.40 6.10	48.0 244.0	Exterior Insulated Adjacent Insulated Exterior Insulated	20.0 4.10 82.0 20.0 1.60 32.0 20.0 4.10 82.0								
Base Total: 60.0 292.0				As-Built Total: 60.0 196.0									
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points						
Under Attic	1845.0	1.73	3191.9	Under Attic	30.0		2049.0	1.73 X 1.00		3544.8			
Base Total: 1845.0 3191.9				As-Built Total: 2049.0 3544.8									

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 41, Sub: Turkey Runs, Plat: , , ,

PERMIT #:

BASE				AS-BUILT					
FLOOR TYPES Area X BSPM = Points				Type	R-Value	Area X SPM = Points			
Slab	161.0(p)	-37.0	-5957.0	Slab-On-Grade Edge Insulation	0.0	161.0(p)	-41.20	-6633.2	
Raised	0.0	0.00	0.0						
Base Total:			-5957.0	As-Built Total:		161.0	-6633.2		
INFILTRATION Area X BSPM = Points				Area X SPM = Points					
1845.0 10.21 18837.4				1845.0 10.21 18837.4					
Summer Base Points:			26657.6	Summer As-Built Points:			26388.9		
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier = Cooling Points	
(DM x DSM x AHU)									
26657.6	0.4266		11372.1	26388.9	1.000	(1.090 x 1.147 x 1.00)	0.310	1.000	10236.6
				26388.9	1.00	1.250	0.310	1.000	10236.6

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 41, Sub: Turkey Runs, Plat: , , ,

PERMIT #:

BASE				AS-BUILT									
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points					
.18	1845.0	12.74	4231.0	Double, Clear	W	1.5	6.0	15.0	20.73	1.02	318.2		
				Double, Clear	W	1.5	6.0	45.0	20.73	1.02	954.7		
				Double, Clear	W	1.5	4.0	6.0	20.73	1.05	131.0		
				Double, Clear	W	1.5	5.0	16.0	20.73	1.03	343.2		
				Double, Clear	N	1.5	5.0	16.0	24.58	1.00	394.7		
				Double, Clear	N	1.5	6.0	30.0	24.58	1.00	739.1		
				Double, Clear	E	1.5	6.0	15.0	18.79	1.04	291.9		
				Double, Clear	E	0.0	0.0	4.5	18.79	1.00	84.6		
				Double, Clear	E	0.0	0.0	13.3	18.79	1.00	250.6		
				Double, Clear	E	0.0	0.0	15.0	18.79	1.00	281.9		
				Double, Clear	E	0.0	0.0	13.5	18.79	1.00	253.7		
				Double, Clear	E	0.0	0.0	12.0	18.79	1.00	225.5		
				Double, Clear	E	0.0	0.0	30.0	18.79	1.00	563.8		
				Double, Clear	S	1.5	6.0	30.0	13.30	1.12	445.8		
				Double, Clear	E	6.5	3.0	4.5	18.79	1.46	123.7		
				Double, Clear	W	1.5	9.0	20.0	20.73	1.01	417.8		
				As-Built Total:							285.8	5820.1	
				WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points		
Adjacent Exterior	0.0 2140.0	0.00 3.70	0.0 7918.0	Face Brick, Wood, Exterior	13.0		2140.0	3.17		6794.5			
Base Total:		2140.0	7918.0	As-Built Total:		2140.0		6794.5					
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points								
Adjacent Exterior	20.0 40.0	11.50 12.30	230.0 492.0	Exterior Insulated Adjacent Insulated Exterior Insulated			20.0 20.0 20.0	8.40 8.00 8.40		168.0 160.0 168.0			
Base Total:		60.0	722.0	As-Built Total:		60.0		496.0					
CEILING TYPESArea X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points						
Under Attic	1845.0	2.05	3782.3	Under Attic	30.0		2049.0	2.05 X 1.00		4200.4			
Base Total:		1845.0	3782.3	As-Built Total:		2049.0		4200.4					

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 41, Sub: Turkey Runs, Plat: , , ,

PERMIT #:

BASE				AS-BUILT						
FLOOR TYPES Area X BWPM = Points				Type	R-Value	Area X WPM	= Points			
Slab	161.0(p)	8.9	1432.9	Slab-On-Grade Edge Insulation	0.0	161.0(p)	18.80	3026.8		
Raised	0.0	0.00	0.0							
Base Total:			1432.9	As-Built Total:			161.0	3026.8		
INFILTRATION Area X BWPM = Points				Area X WPM = Points						
	1845.0	-0.59	-1088.5			1845.0	-0.59	-1088.5		
Winter Base Points:			16997.6	Winter As-Built Points:			19249.3			
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Heating Points
				(DM x DSM x AHU)						
16997.6	0.6274		10664.3	19249.3	1.000	(1.069 x 1.169 x 1.00)	0.461	1.000		11084.9
				19249.3	1.00	1.250	0.461	1.000		11084.9

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 41, Sub: Turkey Runs, Plat: , , ,

PERMIT #:

BASE					AS-BUILT					
WATER HEATING										
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Multiplier X Ratio	Credit = Total Multiplier
3		2746.00		8238.0	40.0	0.89	3		1.00 2715.15	1.00 8145.4
					As-Built Total:					8145.4

CODE COMPLIANCE STATUS												
BASE						AS-BUILT						
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	
11372		10664		8238	30274	10237		11085		8145	29467	

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 41, Sub: Turkey Runs, Plat: , , ,

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 6-12. 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* = 82.9

The higher the score, the more efficient the home.

SpecHouse, Lot: 41, Sub: Turkey Runs, Plat: , , ,

1. New construction or existing New
2. Single family or multi-family Single family
3. Number of units, if multi-family 1
4. Number of Bedrooms 3
5. Is this a worst case? Yes
6. Conditioned floor area (ft²) 1845 ft²
7. Glass area & type Single Pane Double Pane
a. Clear glass, default U-factor 0.0 ft² 285.8 ft²
b. Default tint, default U-factor 0.0 ft² 0.0 ft²
c. Labeled U-factor or SHGC 0.0 ft² 0.0 ft²
8. Floor types
a. Slab-On-Grade Edge Insulation R=0.0, 161.0(p) ft
b. N/A
c. N/A
9. Wall types
a. Face Brick, Wood, Exterior R=13.0, 2140.0 ft²
b. N/A
c. N/A
d. N/A
e. N/A
10. Ceiling types
a. Under Attic R=30.0, 2049.0 ft²
b. N/A
c. N/A
11. Ducts
a. Sup: Unc. Ret: Unc. AH: Garage Sup. R=6.0, 136.0 ft
b. N/A
12. Cooling systems
a. Central Unit Cap: 44.0 kBtu/hr SEER: 11.00
b. N/A
c. N/A
13. Heating systems
a. Electric Heat Pump Cap: 44.0 kBtu/hr HSPF: 7.40
b. N/A
c. N/A
14. Hot water systems
a. Electric Resistance Cap: 40.0 gallons EF: 0.89
b. N/A
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, 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 Energy Gauge Program (Version: FLR2PB v3.4)

Residential System Sizing Calculation

Summary

SpecHouse

Project Title:
509142SparksConstructionLot41TurkeyRuns

Class 3 Rating
Registration No. 0
Climate: North

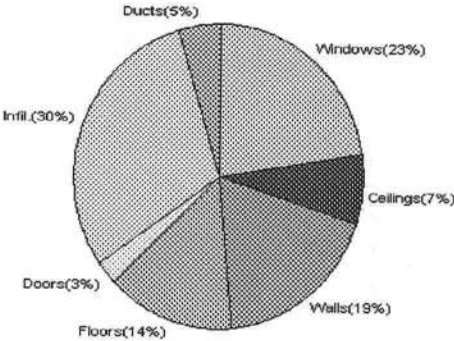
10/6/2005

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	93 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	18 F
Total heating load calculation		Total cooling load calculation	
35669 Btuh		37243 Btuh	
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	123.4 44000	Sensible (SHR = 0.75)	116.3 33000
Heat Pump + Auxiliary(0.0kW)	123.4 44000	Latent	124.2 11000
		Total (Electric Heat Pump)	118.1 44000

WINTER CALCULATIONS

Winter Heating Load (for 1845 sqft)

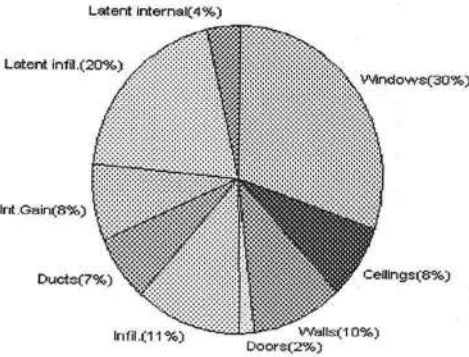
Load component	Load	
Window total	286 sqft	8089 Btuh
Wall total	2140 sqft	6634 Btuh
Door total	60 sqft	921 Btuh
Ceiling total	2049 sqft	2664 Btuh
Floor total	161 ft	5088 Btuh
Infiltration	246 cfm	10575 Btuh
Subtotal		33970 Btuh
Duct loss		1699 Btuh
TOTAL HEAT LOSS		35669 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1845 sqft)

Load component	Load	
Window total	286 sqft	11291 Btuh
Wall total	2140 sqft	3724 Btuh
Door total	60 sqft	608 Btuh
Ceiling total	2049 sqft	2910 Btuh
Floor total		0 Btuh
Infiltration	216 cfm	4270 Btuh
Internal gain		3000 Btuh
Subtotal(sensible)		25803 Btuh
Duct gain		2580 Btuh
Total sensible gain		28383 Btuh
Latent gain(infiltration)		7480 Btuh
Latent gain(internal)		1380 Btuh
Total latent gain		8860 Btuh
TOTAL HEAT GAIN		37243 Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: *[Signature]*

DATE: 10-6-05

System Sizing Calculations - Winter

Residential Load - Component Details

SpecHouse

Project Title:
509142SparksConstructionLot41TurkeyRuns

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

10/6/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	15.0	28.3	424 Btuh
2	2, Clear, Metal, DEF	N	45.0	28.3	1274 Btuh
3	2, Clear, Metal, DEF	N	6.0	28.3	170 Btuh
4	2, Clear, Metal, DEF	N	16.0	28.3	453 Btuh
5	2, Clear, Metal, DEF	E	16.0	28.3	453 Btuh
6	2, Clear, Metal, DEF	E	30.0	28.3	849 Btuh
7	2, Clear, Metal, DEF	S	15.0	28.3	424 Btuh
8	2, Clear, Metal, DEF	S	4.5	28.3	127 Btuh
9	2, Clear, Metal, DEF	S	13.3	28.3	377 Btuh
10	2, Clear, Metal, DEF	S	15.0	28.3	424 Btuh
11	2, Clear, Metal, DEF	S	13.5	28.3	382 Btuh
12	2, Clear, Metal, DEF	S	12.0	28.3	340 Btuh
13	2, Clear, Metal, DEF	S	30.0	28.3	849 Btuh
14	2, Clear, Metal, DEF	W	30.0	28.3	849 Btuh
15	2, Clear, Metal, DEF	S	4.5	28.3	127 Btuh
16	2, Clear, Metal, DEF	N	20.0	28.3	566 Btuh
Window Total			286		8089 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	2140	3.1	6634 Btuh
Wall Total			2140		6634 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		20	18.3	367 Btuh
2	Insulated - Adjac		20	9.4	188 Btuh
3	Insulated - Exter		20	18.3	367 Btuh
Door Total			60		921Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2049	1.3	2664 Btuh
Ceiling Total			2049		2664Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	161.0 ft(p)	31.6	5088 Btuh
Floor Total			161		5088 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	18450(sqft)	246	10575 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				246	10575 Btuh

Totals for Heating	Subtotal	33970 Btuh
	Duct Loss(using duct multiplier of 0.05)	1699 Btuh
	Total Btuh Loss	35669 Btuh

EnergyGauge® FLR2PB v3.4

Manual J Winter Calculations

Residential Load - Component Details (continued)

SpecHouse

Project Title:
509142SparksConstructionLot41TurkeyRuns

Class 3 Rating
Registration No. 0
Climate: North

10/6/2005

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)

System Sizing Calculations - Summer

Residential Load - Component Details

SpecHouse

Project Title:
509142SparksConstructionLot41TurkeyRuns

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 18.0 F

10/6/2005

Window	Type	Panes/SHGC/U/InSh/ExSh	Ornt	Overhang		Window Area(sqft)			HTM		Load
	Len			Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, N, N	N	1.5	6	15.0	0.0	15.0	22	22	330 Btuh	
2	2, Clear, DEF, N, N	N	1.5	6	45.0	0.0	45.0	22	22	990 Btuh	
3	2, Clear, DEF, N, N	N	1.5	4	6.0	0.0	6.0	22	22	132 Btuh	
4	2, Clear, DEF, N, N	N	1.5	5	16.0	0.0	16.0	22	22	352 Btuh	
5	2, Clear, DEF, N, N	E	1.5	5	16.0	1.0	15.0	22	72	1103 Btuh	
6	2, Clear, DEF, N, N	E	1.5	6	30.0	0.7	29.3	22	72	2123 Btuh	
7	2, Clear, DEF, N, N	S	1.5	6	15.0	15.0	0.0	22	37	330 Btuh	
8	2, Clear, DEF, N, N	S	0	0	4.5	0.0	4.5	22	37	166 Btuh	
9	2, Clear, DEF, N, N	S	0	0	13.3	0.0	13.3	22	37	493 Btuh	
10	2, Clear, DEF, N, N	S	0	0	15.0	0.0	15.0	22	37	555 Btuh	
11	2, Clear, DEF, N, N	S	0	0	13.5	0.0	13.5	22	37	500 Btuh	
12	2, Clear, DEF, N, N	S	0	0	12.0	0.0	12.0	22	37	444 Btuh	
13	2, Clear, DEF, N, N	S	0	0	30.0	0.0	30.0	22	37	1110 Btuh	
14	2, Clear, DEF, N, N	W	1.5	6	30.0	0.7	29.3	22	72	2123 Btuh	
15	2, Clear, DEF, N, N	S	6.5	3	4.5	4.5	0.0	22	37	99 Btuh	
16	2, Clear, DEF, N, N	N	1.5	9	20.0	0.0	20.0	22	22	440 Btuh	
Window Total					286					11291 Btuh	
Walls	Type	R-Value			Area			HTM		Load	
	1 Frame - Exterior	13.0			2140.0			1.7		3724 Btuh	
	Wall Total				2140.0					3724 Btuh	
Doors	Type				Area			HTM		Load	
	1 Insulated - Exter				20.0			10.1		203 Btuh	
	2 Insulated - Adjac				20.0			10.1		203 Btuh	
	3 Insulated - Exter				20.0			10.1		203 Btuh	
	Door Total				60.0					608 Btuh	
Ceilings	Type/Color	R-Value			Area			HTM		Load	
	1 Under Attic/Dark	30.0			2049.0			1.4		2910 Btuh	
	Ceiling Total				2049.0					2910 Btuh	
Floors	Type	R-Value			Size			HTM		Load	
	1 Slab-On-Grade Edge Insulation	0.0			161.0 ft(p)			0.0		0 Btuh	
	Floor Total				161.0					0 Btuh	
Infiltration	Type	ACH			Volume			CFM=		Load	
	Natural	0.70			18450			215.7		4270 Btuh	
	Mechanical							0		0 Btuh	
	Infiltration Total							216		4270 Btuh	
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	6			X 300 +			1200		3000 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

SpecHouse

Project Title:
509142SparksConstructionLot41TurkeyRuns

Class 3 Rating
Registration No. 0
Climate: North

10/6/2005

Totals for Cooling	Subtotal	25803 Btuh
	Duct gain(using duct multiplier of 0.10)	2580 Btuh
	Total sensible gain	28383 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	7480 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	37243 Btuh

Key: Window types (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/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

**AAMA/NWDA 101/1.5.2-97
TEST REPORT SUMMARY**

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650 Fin

TYPE: Aluminum Single Hung Window

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft ²
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.

Mark A. Hess
Mark A. Hess, Technician

MAH:nb

Allen P. Reeves
1 APRIL 2002



Architectural Testing

AAMA/NWDA 101/LS-2-97 TEST REPORT

Rendered to

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01
Test Date: 03/07/02
Report Date: 03/26/02
Expiration Date: 03/07/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethtown, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWDA 101/LS-2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap-around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Allen P. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

Description	Quantity	Location
Metal cam lock with keeper		Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail

Allen N. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max
	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft ²	0.3 cfm/ft ² max
Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/L.S. 2-97 for air infiltration.			
	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42" 0.43"	0.26" max. 0.26" max.
*Exceeds L/175 for deflection, but passes all other test requirements.			
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.

Allen H. Reeves
1 APRIL 2002



Test Specimen Description: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.2	Deglazing Test (ASTM E 987)		
	In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"	0.26" max.
	@ 47.2 psf (negative)	0.46"	0.26" max.

*Exceeds L/175 for deflection, but passes all other test requirements.

Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
@ 67.5 psf (positive)	0.05"	
@ 70.8 psf (negative)	0.05"	

Allen N. Reeves
1 APRIL 2002



VI

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:


Mark A. Hess
Technician

MAH:nlb
01-41134.01


Allen N. Reeves, P.E.
Director - Engineering Services
1 APRIL 2002



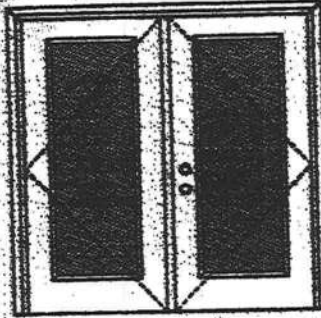
XX

Glazed Outswing Unit

DDP-WL-JH4152-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panels used do not exceed 3'0" x 6'8".

Double Door
Maximum unit size = 4'0" x 6'8"

Design Pressure

+40.5/-40.5

Limited water unless special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



130, 135 Series



136 Series



400 Series



422 Series

1/2 GLASS:



105 Series



106, 109 Series



120 Series



200 Series



12 RA, 23 RA, 34 RA Series



107 Series



108 Series



304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

Johnson
EntrySystems

March 25, 2002

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PREMIER Collection
Premium Quality Doors



Exclusively from

Masonite
Masonite International Corporation

XX

Glazed Outswing Unit

CCP WL JH4182-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:
3/4 GLASS:

404 Series



410 Series



450 Series

FULL GLASS:



100 Series



114, 120, 122 Series



152 Series



140 Series



200 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1884-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top and rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthazor

State of Florida, Professional Engineer
Kurt Balthazor, P.E. - License Number 56533

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March 29, 2002

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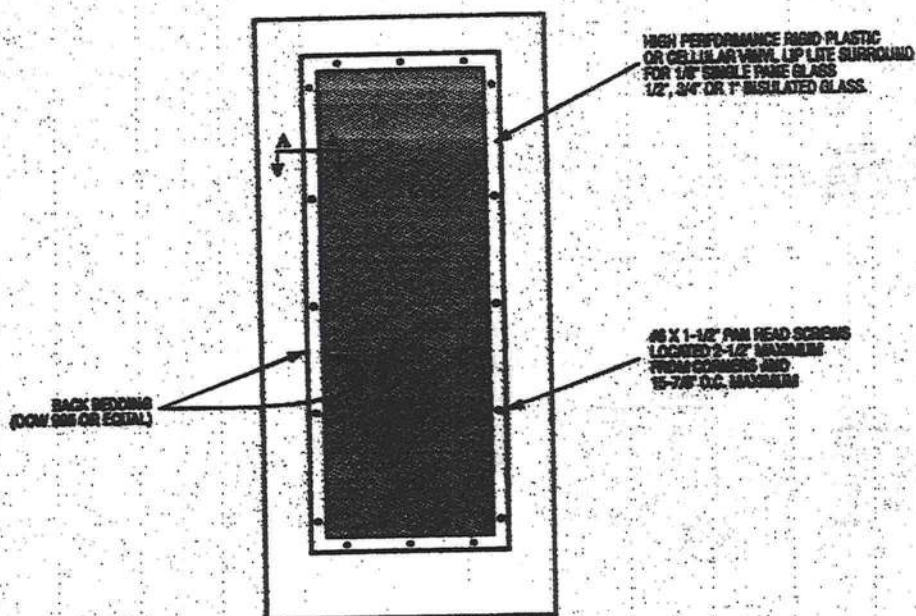
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Proven Quality Doors



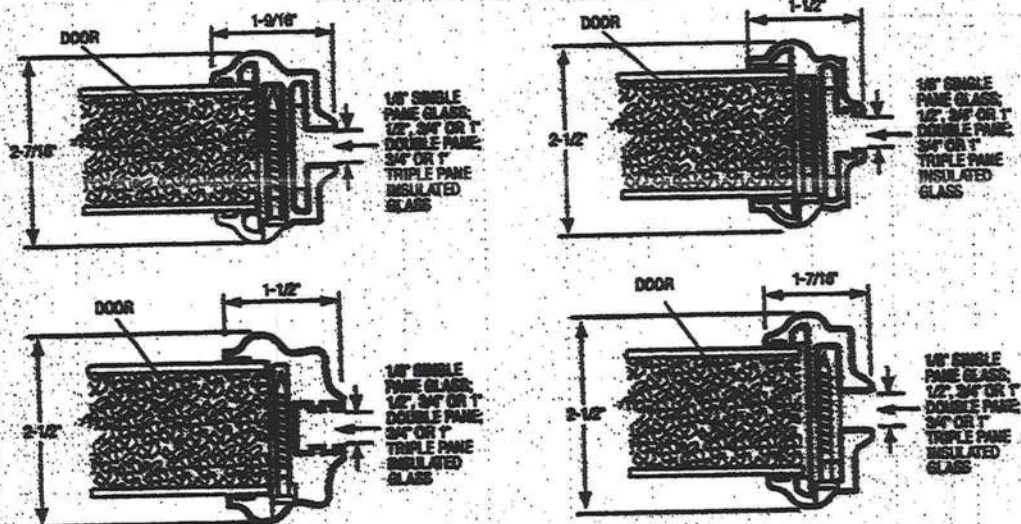
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GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND



March 29, 2002

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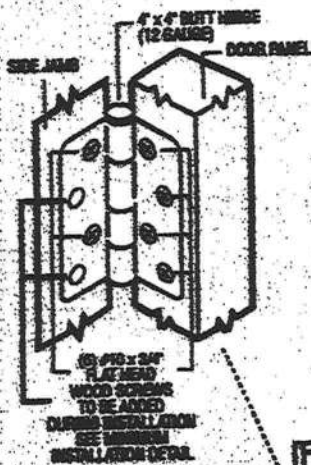


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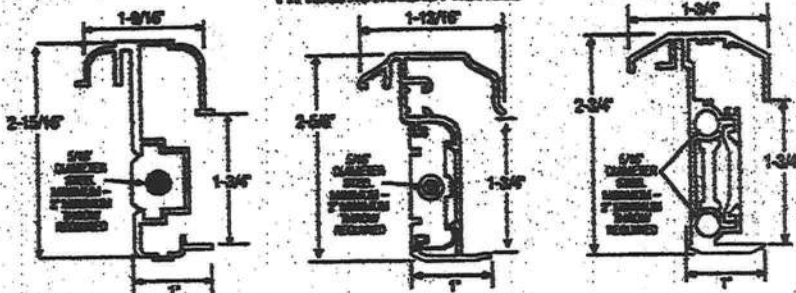
XX
Unit

**OUTSWING UNITS WITH
DOUBLE DOOR**

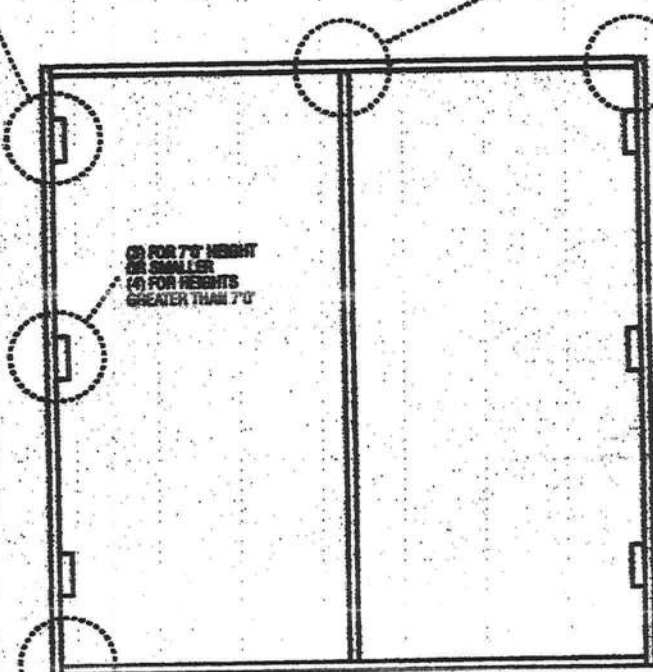
TYPICAL HINGE ATTACHMENT



TYPICAL ASTRAGAL PROFILES



ALUMINUM EXTRUDED ASTRAGAL (0.06\"/>



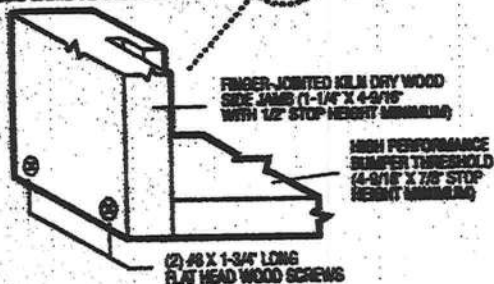
**TYPICAL HEADER &
SIDE JAMB ATTACHMENT**

FINGER-JOINTED KILN DRY WOOD
FRAME MEMBER (1-1/4\"/>

(5) 2\"/>

FINGER-JOINTED
KILN DRY WOOD
SIDE JAMB
(1-1/4\"/>

**TYPICAL THRESHOLD &
SIDE JAMB ATTACHMENT**



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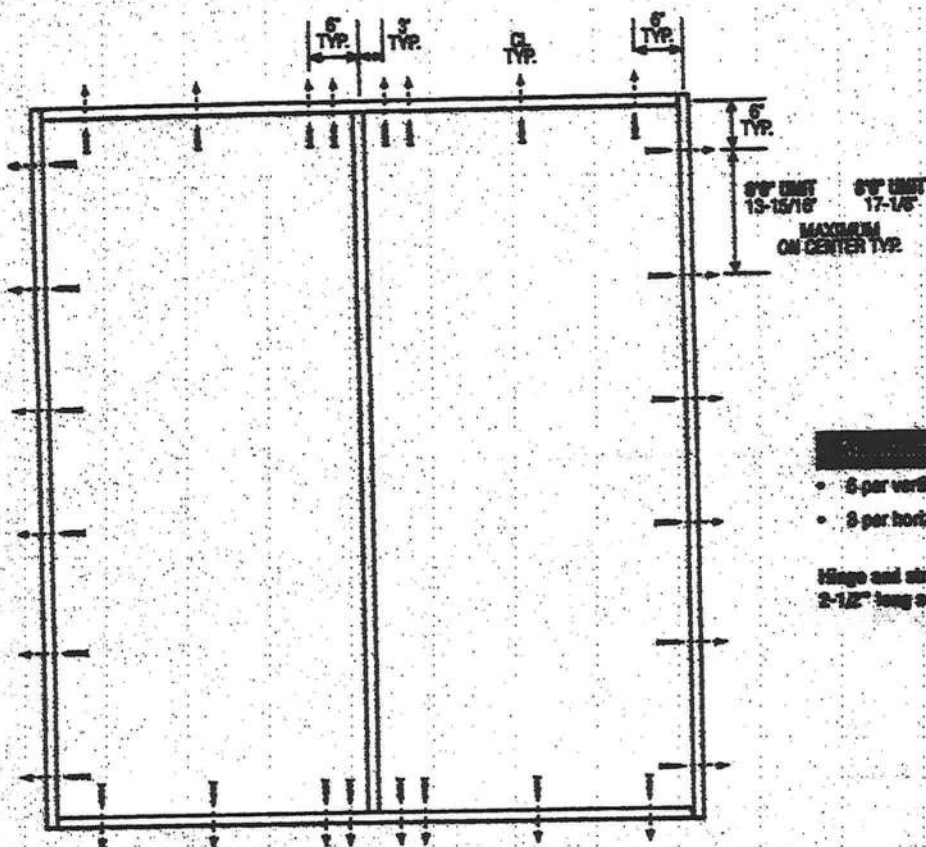


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Masonite International Corporation

XX
Unit

IND-UL-MAS002-02

DOUBLE DOOR



- 6 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Latching Hardware:

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #6 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Ode County approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

March 29, 2002

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PREMIERE
Premium Quality Doors



Exclusively from

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FEB - 4 2002

January 31, 2002

TO: OUR FLORIDA CUSTOMERS:

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

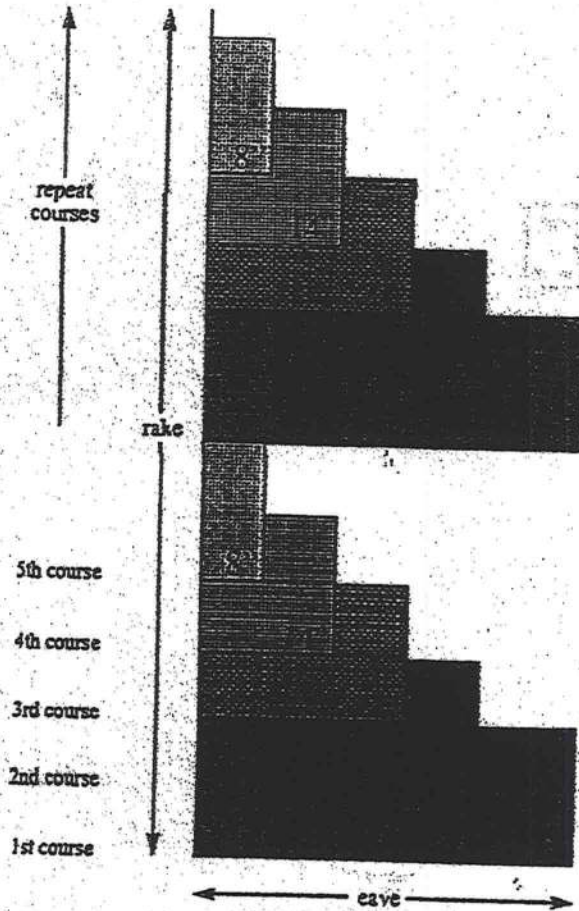
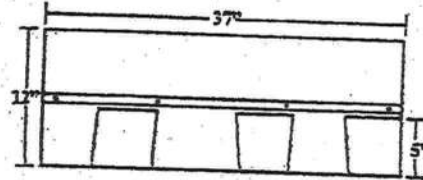
TAMKO Roofing Products, Inc.

CORPORATE HEADQUARTERS
220 W. FOURTH STREET P.O. BOX 1404 JOPLIN, MO 64802-1404 800-641-4691 FAX 800-341-1925

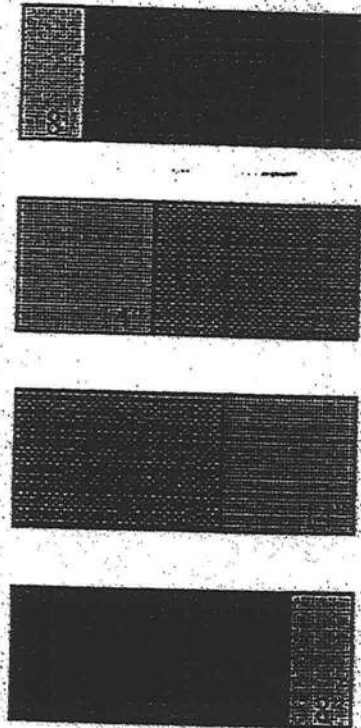


Application Instructions For Heritage® 25 Series Shingles

SPECIFICATIONS (APPROX.)	
Length	37"
Width	12"
Bundles per Sq.	3
Shingles per Sq.	78
Shingles per Bundle	26
Coverage per Sq. (Sq. Ft.)	100
Exposure	5"



The 4 cuts in the first 10 courses:



In the first 10 courses, there are 4 cuts and no waste.

When you reach the other side of the roof, whatever has to be trimmed off can be used in the field of roofing.

For additional application information consult the application instructions printed on the product package.

NOTE: These application instructions apply only to Heritage 25 and Heritage 25 AR shingles.

Application Instructions for

- Glass-Seal
 - Glass-Seal AR
 - Elite Glass-Seal®
 - Elite Glass-Seal® AR
- THREE-TAB ASPHALT SHINGLES

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS. THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER. IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

1. ROOF DECK

These shingles are for application to roof decks capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and rakes.

PLYWOOD: All plywood shall be exterior grade as defined by the American Plywood Association. Plywood shall be a minimum of 3/8 in. thickness and applied in accordance with the recommendations of the American Plywood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be a 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement
3. Rotting of wood members.
4. Premature failure of roof.

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents.

FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

3. FASTENING

NAILS: TAMKO recommends the use of nails as the preferred method of application.

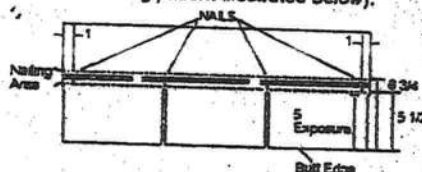
WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These

conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is recommended. Shingles must also be fastened according to the fastening instructions described below.

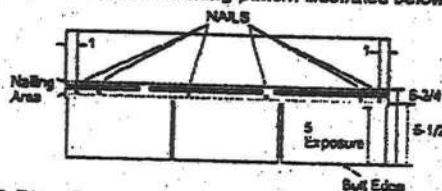
Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, TAMKO will not be responsible for any shingles blown off or displaced. TAMKO will not be responsible for damage to shingles caused by winds or gusts exceeding gale force. Gale force shall be the standard as defined by the U.S. Weather Bureau.

FASTENING PATTERNS: Fasteners must be placed above or below the factory applied sealant in an area between 5-1/2" and 6-3/4" from the butt edge of the shingle. Fasteners should be located horizontally according to the diagram below. Do not nail into the sealant. TAMKO recommends nailing below the sealant whenever possible for greater wind resistance.

- 1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1 in. back from each end and one 12 in. back from each end of the shingle for a total of 4 fasteners. (See standard fastening pattern illustrated below.)



- 2) Mansard or High Wind Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) One fastener 1 in. back from each end and one fastener 10-1/2 in. back from each end and one fastener 13-1/2 in. back from each end for a total of 6 fasteners per shingle. (See Mansard fastening pattern illustrated below.)



NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12-gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in.

(Continued)

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07/01

• Glass-Seal • Glass-Seal AR • Elite Glass-Seal® • Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

with quick setting asphalt adhesive cement immediately upon installation. Spots of cement must be equivalent in size to a \$25 piece and applied to shingles with a 5 in. exposure, use 6 fasteners per shingle. See Section 3 for the Mansard Fastening Pattern.

3. RE-ROOFING

Before re-roofing, be certain to inspect the roof decks. All plywood shall meet the requirements listed in Section 1:

Nail down or remove curled or broken shingles from the existing roof. Replace all missing shingles with new ones to provide a smooth base. Shingles that are buckled usually indicate warped decking or protruding nails. Hammer down all protruding nails or remove them and refasten in a new location. Remove all drip edge metal and replace with new.

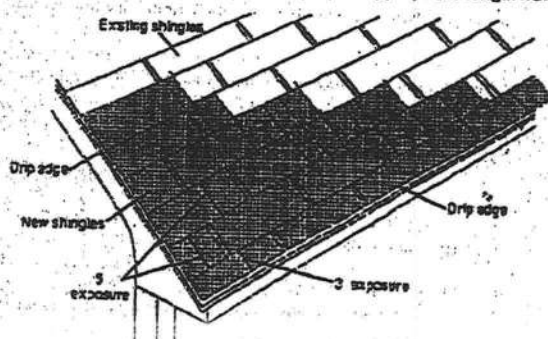
If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing underlayment. Contact TAMKO's Technical Services Department for more information.

The fastening procedure described below is the preferred method for re-roofing over square tab strip shingles with a 5 in. exposure.

Starter Course: Begin by using TAMKO Shingle Starter or by cutting shingles into 5 x 36 inch strips. This is done by removing the 5 in. tabs from the bottom and approximately 2 in. from the top of the shingles so that the remaining portion is the same width as the exposure of the old shingles. Apply the starter piece so that the self-sealing adhesive lies along the eaves and is even with the existing roof. The starter strip should be wide enough to overhang the eaves and carry water into the gutter. Remove 3 in. from the length of the first starter shingle to ensure that the joints from the old roof do not align with the new.

First Course: Cut off approximately 2 in. from the bottom edge of the shingles so that the shingles fit beneath the existing third course and align with the edge of the starter strip. Start the first course with a full 36 in. long shingle and fasten according to the instructions printed in Section 3.

Second and Succeeding Courses: According to the off-set application method you choose to use, remove the appropriate length from the



rake end of the first shingle in each succeeding course. Place the top edge of the new shingle against the butt edge of the old shingles in the courses above. The full width shingle used on the second course will reduce the exposure of the first course to 3 in. The remaining courses will automatically have a 5 in. exposure.

3. VALLEY APPLICATION

Over the shingle underlayment, center a 36 in. wide sheet of TAMKO Nail-Fast® or a minimum 50 lb. roll roofing in the valley. Nail the felt only where necessary to hold it in place and then only nail the outside edges.

IMPORTANT: PRIOR TO INSTALLATION WARM SHINGLES TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES TO FORM VALLEY.

• Apply the first course of shingles along the eaves of one of the intersecting roof planes and across the valley.

Note: For proper flow of water over the trimmed shingle, always start applying the shingles on the roof plane that has the lower slope or less height.

• Extend the end shingle at least 12 in. onto the adjoining roof. Apply succeeding courses in the same manner, extending them across the valley and onto the adjoining roof.

• Do not trim if the shingle length exceeds 12 in. Lengths should vary.

• Press the shingles tightly into the valley.

• Use normal shingle fastening methods.

Note: No fastener should be within 6 in. of the valley centerline, and two fasteners should be placed at the end of each shingle crossing the valley.

• To the adjoining roof plane, apply one row of shingles extending it over previously applied shingles and trim a minimum of 2 in. back from the centerline of the valley.

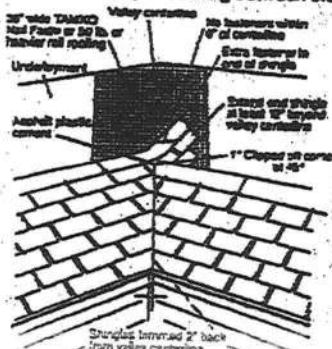
Note: For a neater installation, snap a chalkline over the shingles for guidance.

• Clip the upper corner of each shingle at a 45-degree angle and embed the end of the shingle in a 3 in. wide strip of asphalt plastic cement. This will prevent water from penetrating between the courses by directing it into the valley.

CAUTION:
Adhesive must be applied in smooth, thin, even layers.

Excessive use of adhesive will cause blistering to this product.

TAMKO assumes no responsibility for blistering.



(Continued)

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07/01



(CONTINUED from Pg. 3)

• Glass-Seal
• Glass-Seal AR

• Elite Glass-Seal®
• Elite Glass-Seal® AR

THREE-TAB ASPHALT SHINGLES

FOR ALTERNATE VALLEY APPLICATION METHODS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT.

10. HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener 5-1/2 in. back from the exposed end and 1 in. up from the edge. Do not nail directly into the sealant.

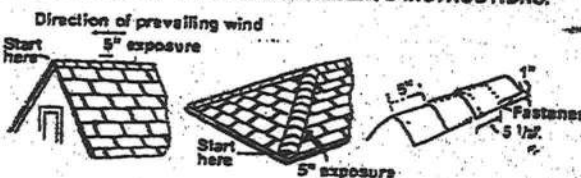
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

NOTE: AR type shingle products should be used as Hip & Ridge on Glass-Seal AR and Elite Glass-Seal AR shingles.

Fasteners should be 1/4 in. longer than the one used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHILE SENDING SHINGLES IN COOL WEATHER.

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO ROOFING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS.



THIS PRODUCT IS COVERED BY A LIMITED WARRANTY. THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.

IMPORTANT - READ CAREFULLY BEFORE OPENING BUNDLE

In this paragraph "You" and "Your" refer to the installer of the shingles and the owner of the building on which these shingles will be installed. This is a legally binding agreement between You and TAMKO Roofing Products, Inc. ("TAMKO"). By opening this bundle You agree: (a) to install the shingles strictly in accordance with the instructions printed on this wrapper; or (b) that shingles which are not installed strictly in accordance with the instructions printed on this wrapper are sold "AS IS" and are not covered by the limited warranty that is also printed on this wrapper, or any other warranty, including, but not limited to (except where prohibited by law) implied warranties of MERCHANTABILITY and FITNESS FOR USE.

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800-530-8868

07/01

REPORT No. 2202

GRADED DOORS		SERIES 7400, EXTERIOR STEEL = 017 MIN US TESTED		
SERIES 7405, EXTERIOR STEEL = 019 MIN A		SERIES 7425, EXTERIOR STEEL = 024 MIN A		
SERIES 7524, EXTERIOR STEEL		TESTED WITH WINDOWS		
TESTED WITH WINDOWS	DOOR DOOR HEIGHT	VERTICAL CTR. STYLE	STRIPS 60 KSI SHE 07%	VERTICAL TRACK
16"	7'	23"	3"	5
				2 IN.

TEST REPORTS ON FILE VIBED 10/19/00 PAGE 93

INSIDE ELEVATION

16'-0" MAX. WIDTH

12 GA. JAMB BRACKETS, MAXIMUM SPACING = 19-1/2" WITH LOWEST BRACKET APPROX. 3" FROM FLOOR, 2ND BRACKET NEAR THE HORIZONTAL G. OF THE BOTTOM SECTION, AND 3RD BRACKET NEAR THE TOP OF THE BOTTOM SECTION.

SEC C-1
VERTICAL
TRACK, C16 GA.

(A) SECTION DOOR

NOTES:

1. TESTED TO POSITIVE AND NEGATIVE 20 PSI DESIGN AND POSITIVE AND NEGATIVE 30 PSI TEST PRESSURES PER ASTM C-130
2. MINIMUM SECTION HEIGHTS ARE:
a. SECTION HEIGHTS OF 21.0" AND 19.5" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ARCHIVE VARIOUS BODR HEIGHTS.
3. WINDOWS MAY BE INSTALLED IN THE TOP SECTION, AS TESTED WITH 1/8" BOB GLASS OR EQUIVALENT, OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.

3. MINIMUM LENGTH OF RIBBLE STICK IS 54" (7' AS TESTED)

6. THE STRUT PLACEMENT ON BODR MUST BE CONSISTENT WITH THE BODR SEAM.

7. STRUTS SECURED AT ALL LOCATIONS WITH TIE SCREWS.

8. QUANTITY OF SLEE LINGS CAN BE O.L. OR 2 AS REQUIRED.

9. DROP IN TYPE OF DEMOLITION IS OPTIONAL.

NOT PART OF WINDOW LOAD SYSTEM
EXTENSION SPRING COUNTERBALANCE
TOPPING COUNTERBALANCE

REV	DATE	BY	DESCRIPTION
A-A	11-10-00	OW	SET G.C.W. 331

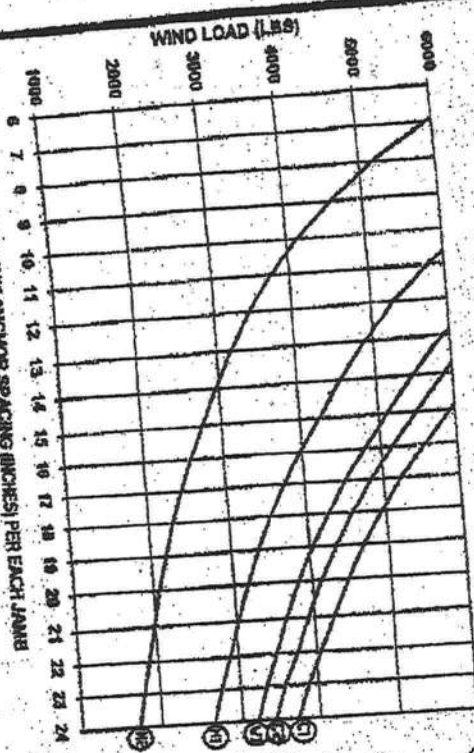
GENERAL AMERICAN DIEDR COMPANY
5050 BASELINE ROAD
MONTGOMERY, IL 60538

DESIGN LOAD +20.0 PSF & -200 PSF
TEST LOAD +30.0 PSF & -300 PSF

PAGE 1 OF 2

W13220-1

WIND LOAD VS ANCHOR SPACING

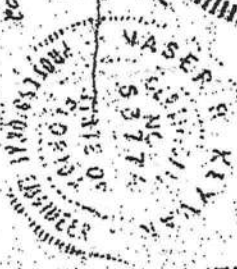
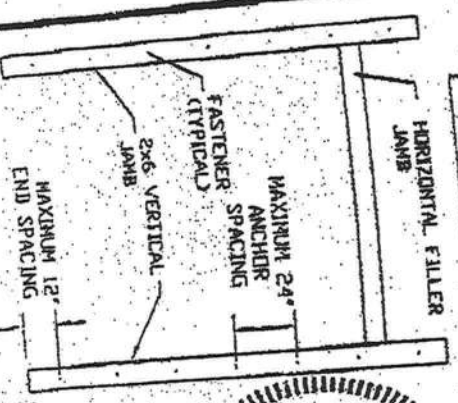


DESIGN (LBS) X GARAGE DOOR AREA/WIDTH-FT X HEIGHT-FT = WIND LOAD(LBS)

LOAD F/T

EXAMPLE

- 30 LBS X (16 FT WIDE X 8 FT HIGH) = 3840 LBS
- USE 22" SPACING
- USE 21" SPACING
- USE 19" SPACING
- SEE NOTE B FOR ADDITIONAL REQUIRED 2X6 WOOD JAMB ANCHORS



2X6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

2X6 PRESSURE TREATED GRADE #2 OR BETTER SOUTHERN PINE WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.

NOTES:

- 1) ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH SUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" PISTS.
- 2) ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SBCI "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION" SSTB 10, "CURRENT EDITION".
- 3) ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.
- 4) WOOD FRAME BUILDINGS STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2X6 PRESSURE TREATED SOUTHERN PINE #2 OR BETTER WALL STUDS CONTINUOUS FROM FOOTING TO DOUBLE TOP PLATE.
- 5) REINFORCED CONCRETE OR CONCRETE 2X6 WOOD JAMB SHALL BE ANCHORED TO EXISTING CONCRETE OR REINFORCED CONCRETE COLUMNS, AND/OR SPACING AND EMBEDMENT SHALL BE AS SPECIFIED IN THE FOLLOWING: ANCHORS SHALL BE SET WITH A MINIMUM OF 3" EMBEDMENT IN CONCRETE OR REINFORCED CONCRETE COLUMNS. ANCHORS SHALL BE SET WITH A MINIMUM OF 3" EMBEDMENT IN CONCRETE OR REINFORCED CONCRETE COLUMNS. ANCHORS SHALL BE SET WITH A MINIMUM OF 3" EMBEDMENT IN CONCRETE OR REINFORCED CONCRETE COLUMNS.
- 6) EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.
- 7) ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS (CMU) SHALL HAVE A MINIMUM EMBEDMENT OF 3" IN CONCRETE OR CMU. ANCHORS FOR CONCRETE AND CMU SHALL HAVE A MINIMUM EMBEDMENT OF 3-3/4".
- 8) LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2X6 WALL STUDS.
- 9) WASHERS ARE REQUIRED ON ALL FASTENERS.
- 10) THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 16' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.
- 11) FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2X6 WOOD JAMB ANCHORS, AND AN ADDITIONAL 2X6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.

GENERAL AMERICAN DOOR COMPANY	
3000 INDUSTRIAL BLVD	
HUNTSVILLE, AL 35894	
WIND RATING	ANCHOR TO STRUCTURE ATTACHMENT
WIND RATING	FOR WIND LOADED GARAGE DOORS
WIND RATING	ANCHOR TO STRUCTURE ATTACHMENT
WIND RATING	FOR WIND LOADED GARAGE DOORS

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SEPTEMBER 30, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. FEB 9 1995
18105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

<https://www.myfloridalicense.com/licensing> 11/23/2004

Job L132306	Truss CJ3	Truss Type MONO TRUSS	Qty 4	Ply 1
Dwg.#093005130				

Builders FirstSource, Lake City, Fl 32055			Job Reference (optional) 6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Sep 27 15:52:45 2005 Page 1		
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Scale = 1/8"=1'-0"

The diagram illustrates a mono truss system supported by two vertical posts at joints 3 and 4. The top chord consists of members T1 and B1. A horizontal brace member connects joint 3 to joint 4. Dimensions include a total length of 14 feet from support 3 to end 1, with segments of -1-4-0 and 3-0-0. Vertical heights are indicated as 12'1" and 8'4". Slope angles are given as 5.00° and 12°. Members are labeled T1, B1, and various girders.

LOADING (psf)	SPACING 2-0-0	CSI	DEFL	in (loc) l/d	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25	TC 0.14	Vert(LL) 0.01 2-4 >999	240		MT20	244/190
TCDL 7.0	Lumber Increase 1.25	BC 0.09	Vert(TL) 0.01 2-4 >999	180			
BCLL 10.0	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00 3 n/a n/a	n/a			
BCDL 5.0	Code FBC2001/TPI2002	(Matrix)					
						Weight: 12 lb	

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

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

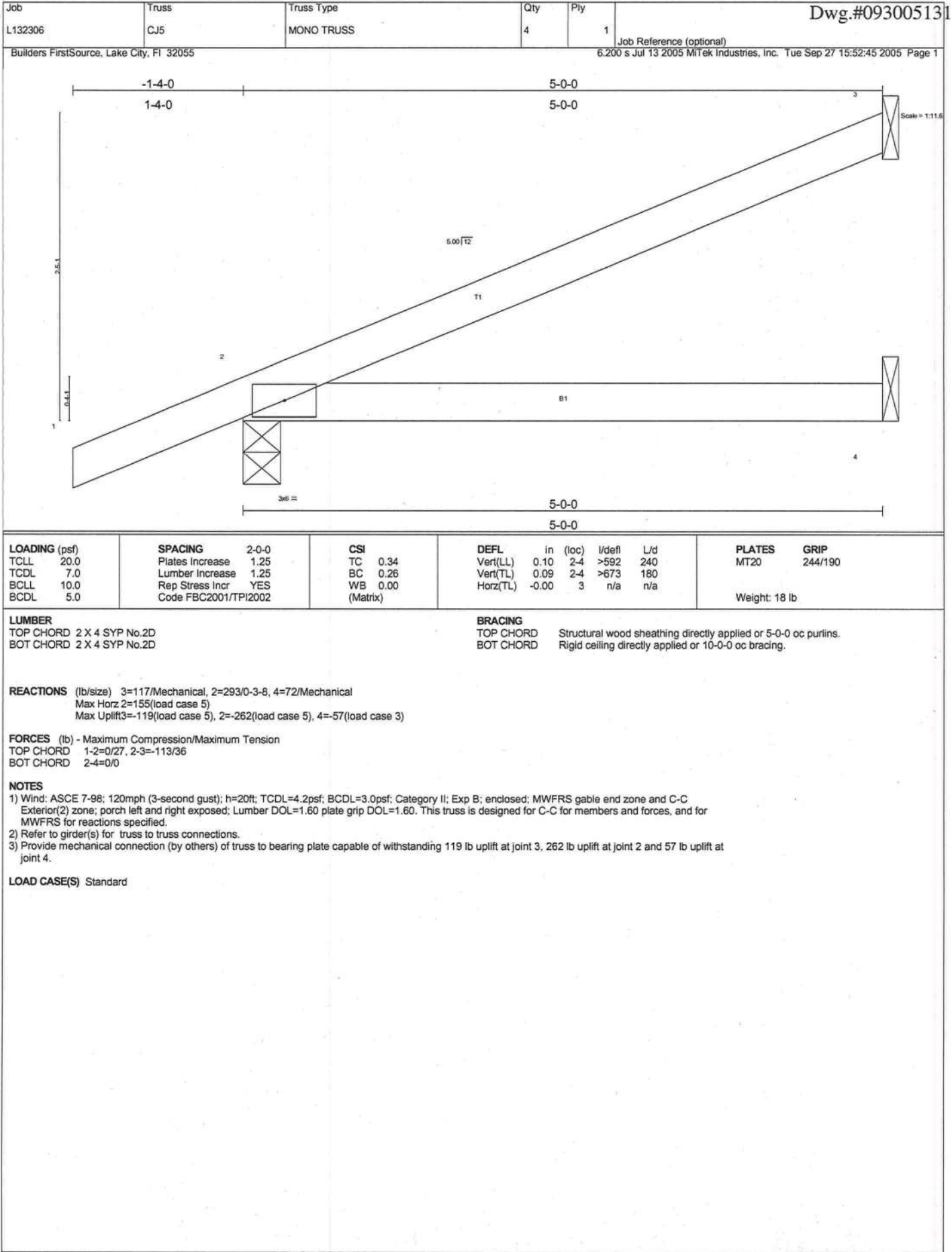
REACTIONS (lb/size) 3=54/Mechanical, 2=218/0-3-8, 4=42/Mechanical
Max Horz 2=109(load case 5)
Max Uplift 3=-50(load case 5), 2=-214(load case 5), 4=-33(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/27, 2-3=-58/16
BOT CHORD 2-4=0/0

NOTES
1) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TC DL=4.2psf; BC DL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 50 lb uplift at joint 3, 214 lb uplift at joint 2 and 33 lb uplift at joint 4.

LOAD CASE(S) Standard

SEPTEMBER 30, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549



SEPTEMBER 30, 2005 TRUSS DESIGN ENGINEER:

THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987

STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196

16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549



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

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=0/27, 2-3=-90/52
 BOT CHORD 2-4=0/0

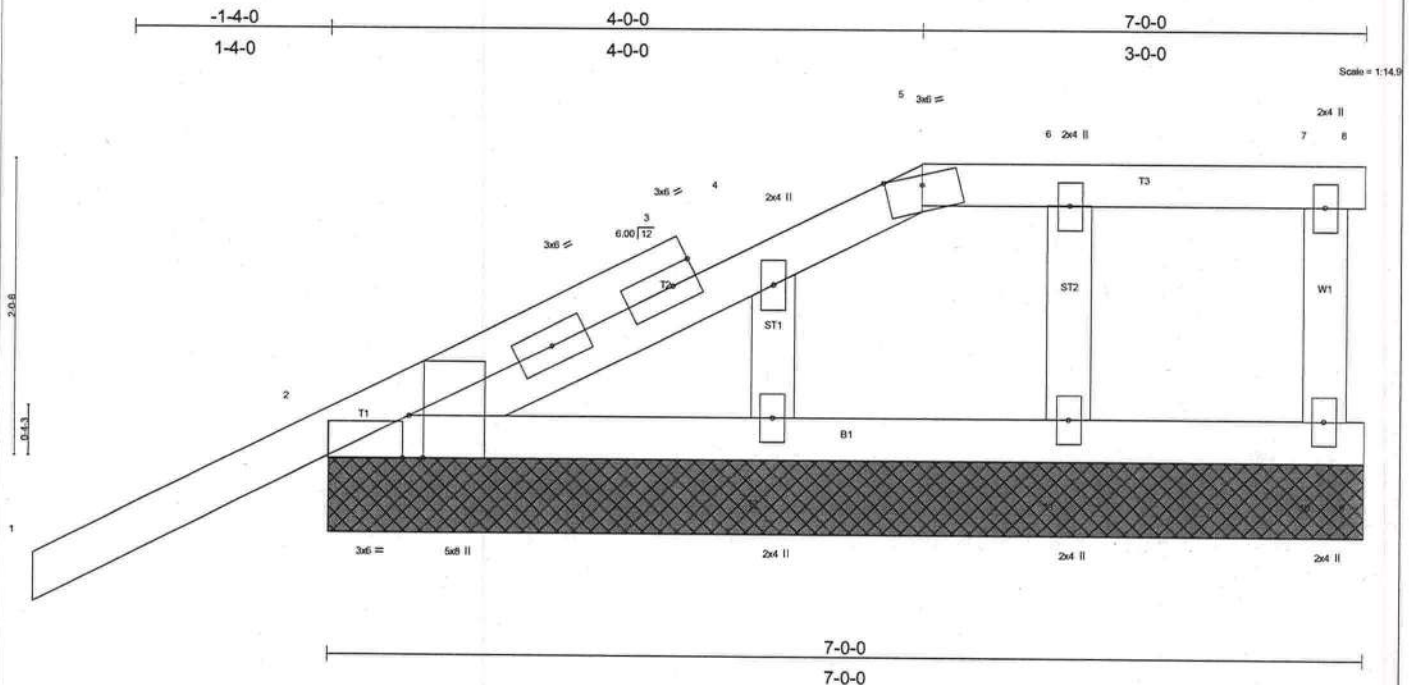
1) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDF=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Interior(1) zone; porch left and right exposed; Lumber DOL=1.60 plate gnp DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

2) Refer to girder(s) for truss to truss connections.

3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 171 lb uplift at joint 3, 318 lb uplift at joint 2 and 90 lb uplift at joint 4.

LOAD CASE(S) Standard

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LOADING (psf)		SPACING		CSI		DEFL		PLATES	
TCLL	20.0	Plates Increase	2-0-0	TC	0.41	in	(loc)	MT20	GRIP
TCDL	7.0	Lumber Increase	1.25	BC	0.05	in	(loc)		
BCLL	10.0	Rep Stress Incr	NO	WB	0.06	in	(loc)		
BCDL	5.0	Code FBC2001/TPI2002		(Matrix)		in	(loc)		
						l/defl	L/d	Weight: 34 lb	
						1	n/r		
						1	n/r		
						8	n/a		

LUMBER

TOP CHORD 2 X 4 SYP No.2D

BOT CHORD 2 X 4 SYP No.2D

WEBS 2 X 4 SYP No.3

OTHERS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=395/7-0-0, 8=-18/7-0-0, 9=-19/7-0-0, 11=231/7-0-0, 12=248/7-0-0, 10=156/7-0-0
Max Horz 2=169(load case 5)
Max Uplift2=297(load case 5), 8=-20(load case 8), 9=-20(load case 8), 11=-120(load case 3), 12=-78(load case 5), 10=-63(load case 4)
Max Grav 2=395(load case 1), 8=13(load case 4), 11=231(load case 1), 12=248(load case 1), 10=162(load case 8)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-20/75, 2-3=-80/0, 3-4=-108/42, 4-5=-39/4, 5-6=-1/0, 6-7=0/0, 7-8=0/0
BOT CHORD 2-12=0/0, 11-12=0/0, 10-11=0/0, 9-10=0/0
WEBS 6-11=-176/223, 4-12=-179/245, 7-10=-108/116

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) Provide adequate drainage to prevent water ponding.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 2-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 297 lb uplift at joint 2, 20 lb uplift at joint 8, 20 lb uplift at joint 9, 120 lb uplift at joint 11, 78 lb uplift at joint 12 and 63 lb uplift at joint 10.
8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: 1-5=-87(F=-33), 5-8=-87(F=-33), 2-9=-30

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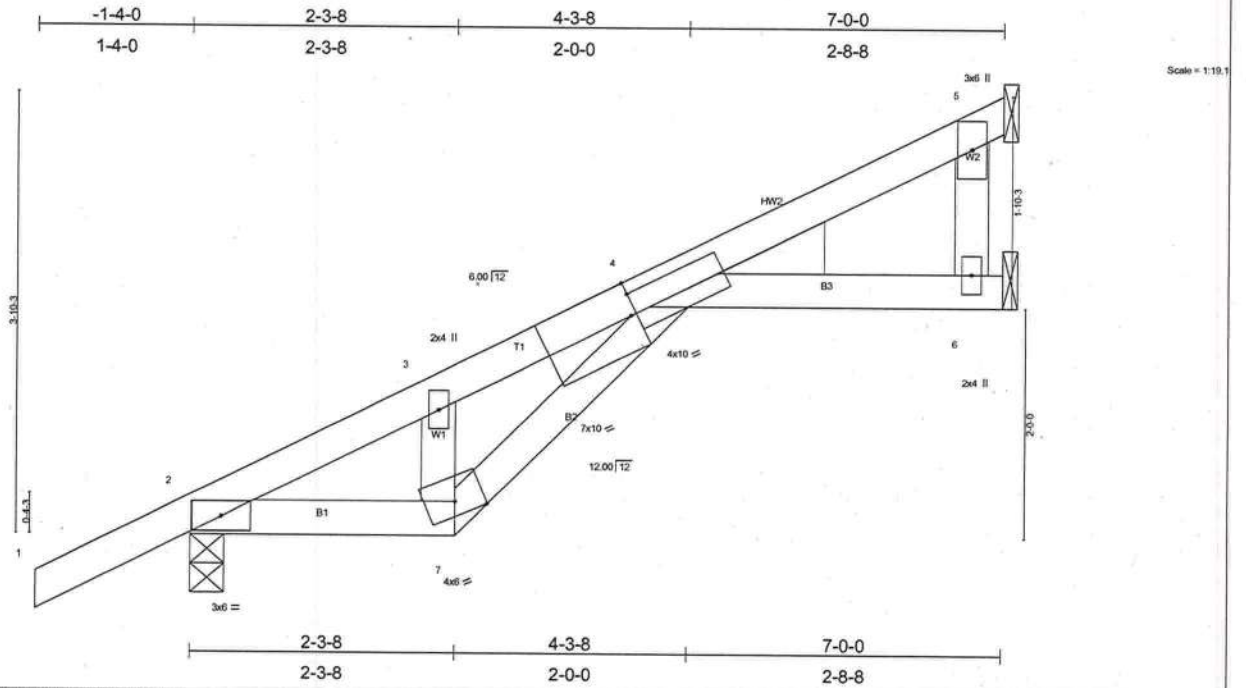


Plate Offsets (X,Y): [4:0-0-9,Edge], [4:0-0-9,0-2-3]									
LOADING (psf)		SPACING		CSI		DEFL		PLATES	
TCLL	20.0	Plates Increase	2-0-0	TC	0.38	in	(loc)	MT20	GRIP
TCDL	7.0	Lumber Increase	1.25	BC	0.43	0.17	4	244	244/190
BCLL	10.0	Rep Stress Incr	YES	WB	0.09	Vert(TL)	-0.15	180	
BCDL	5.0	Code FBC2001/TPI2002		(Matrix)		Horz(TL)	-0.09	n/a	
					Weight: 31 lb				

LUMBER
TOP CHORD 2 X 4 SYP No.2D
BOT CHORD 2 X 4 SYP No.2D
WEBS 2 X 4 SYP No.3
WEDGE
Right: 2 X 6 SYP No.1D

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

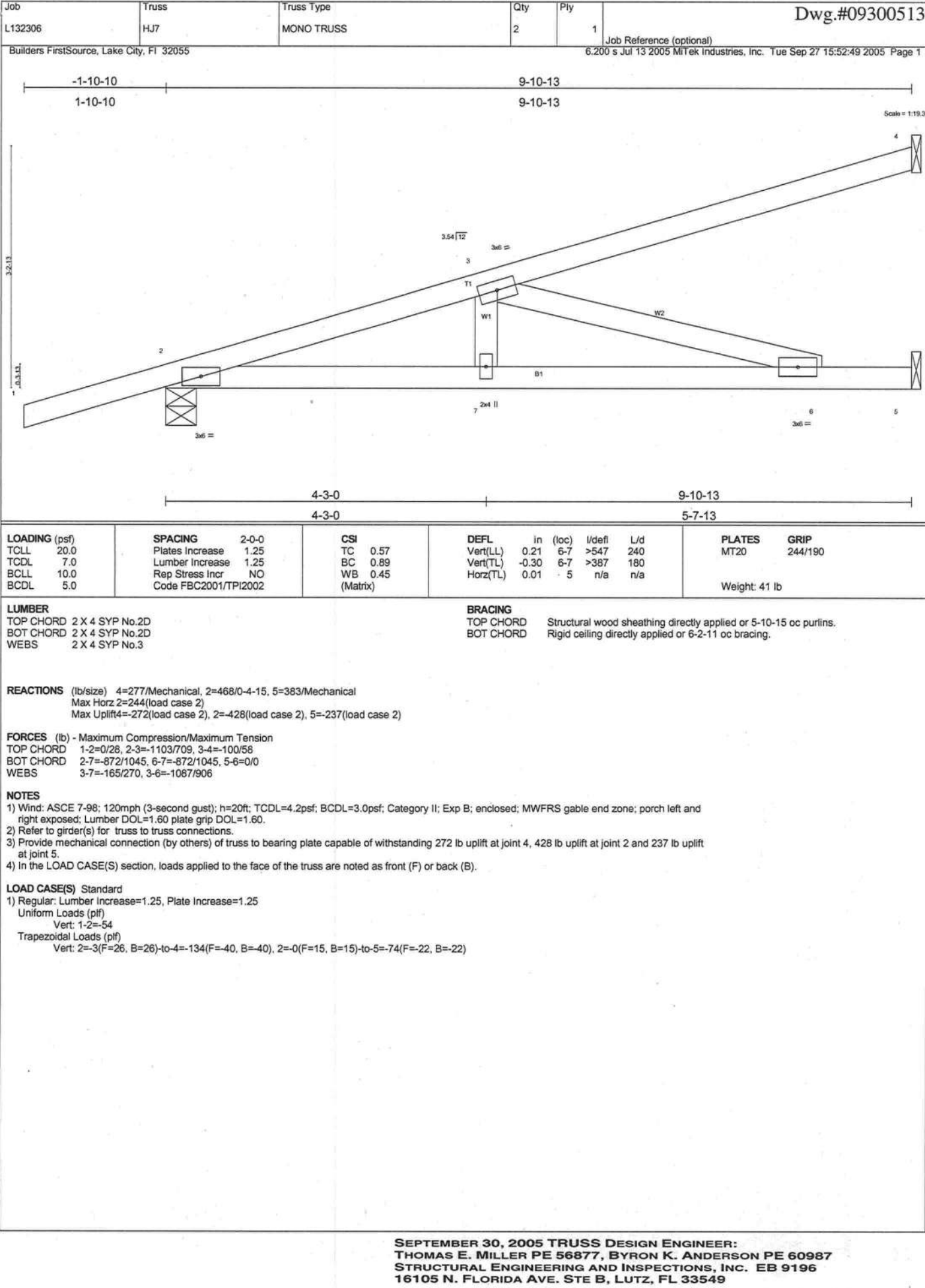
REACTIONS (lb/size) 2=365/0-3-8, 5=141/Mechanical, 6=126/Mechanical
Max Horz 2=235(load case 5)
Max Uplift 2=-200(load case 5), 5=-116(load case 5), 6=-52(load case 5)

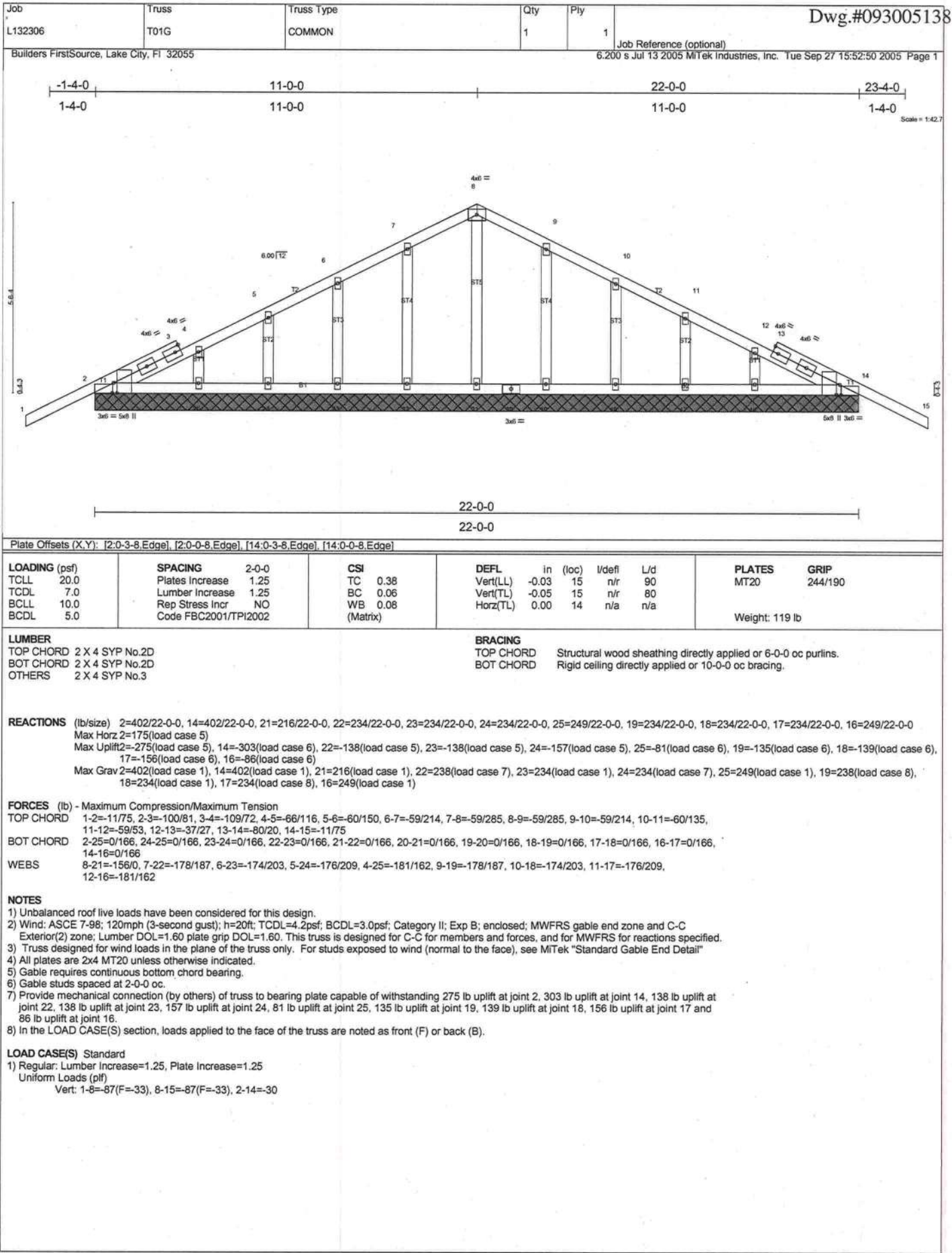
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/31, 2-3=-475/254, 3-4=-498/381, 4-5=-106/56
BOT CHORD 2-7=-483/396, 4-7=-552/479, 4-6=0/0
WEBS 3-7=-227/358, 5-6=0/0

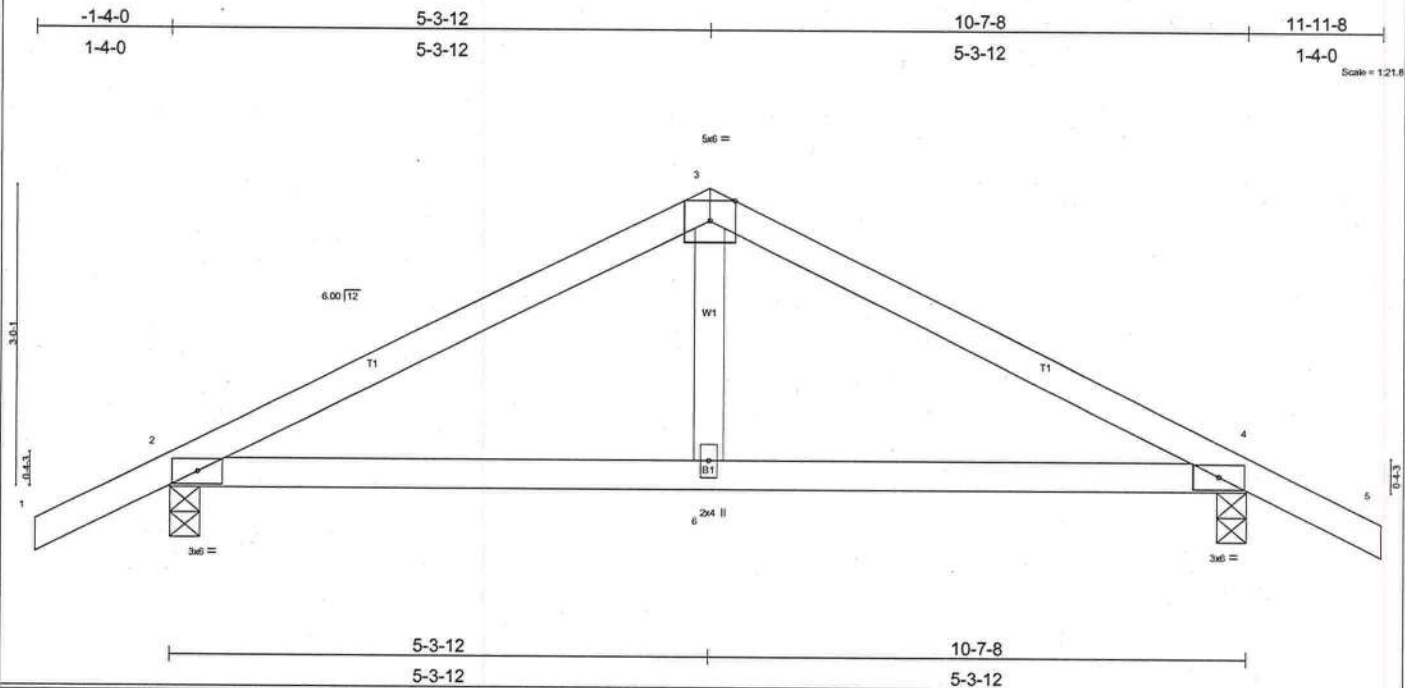
NOTES
1) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCCL=4.2psf, BCCL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 200 lb uplift at joint 2, 116 lb uplift at joint 5 and 52 lb uplift at joint 6.
4) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

LOAD CASE(S) Standard

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LOADING (psf)	SPACING	CSI	DEFL	PLATES	GRIP
TCLL 20.0	2-0-0	TC 0.35	in (loc) l/defl L/d	MT20	244/190
TCDL 7.0	Plates Increase 1.25	BC 0.20	Vert(LL) 0.07 2-6 >999 240		
BCLL 10.0	Lumber Increase 1.25	WB 0.07	Vert(TL) 0.06 2-6 >999 180		
BCDL 5.0	Rep Stress Incr YES	(Matrix)	Horz(TL) -0.01 4 n/a n/a		
	Code FBC2001/TPI2002				
				Weight: 42 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2D

BOT CHORD 2 X 4 SYP No.2D

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.

BOT CHORD Rigid ceiling directly applied or 7-9-15 oc bracing.

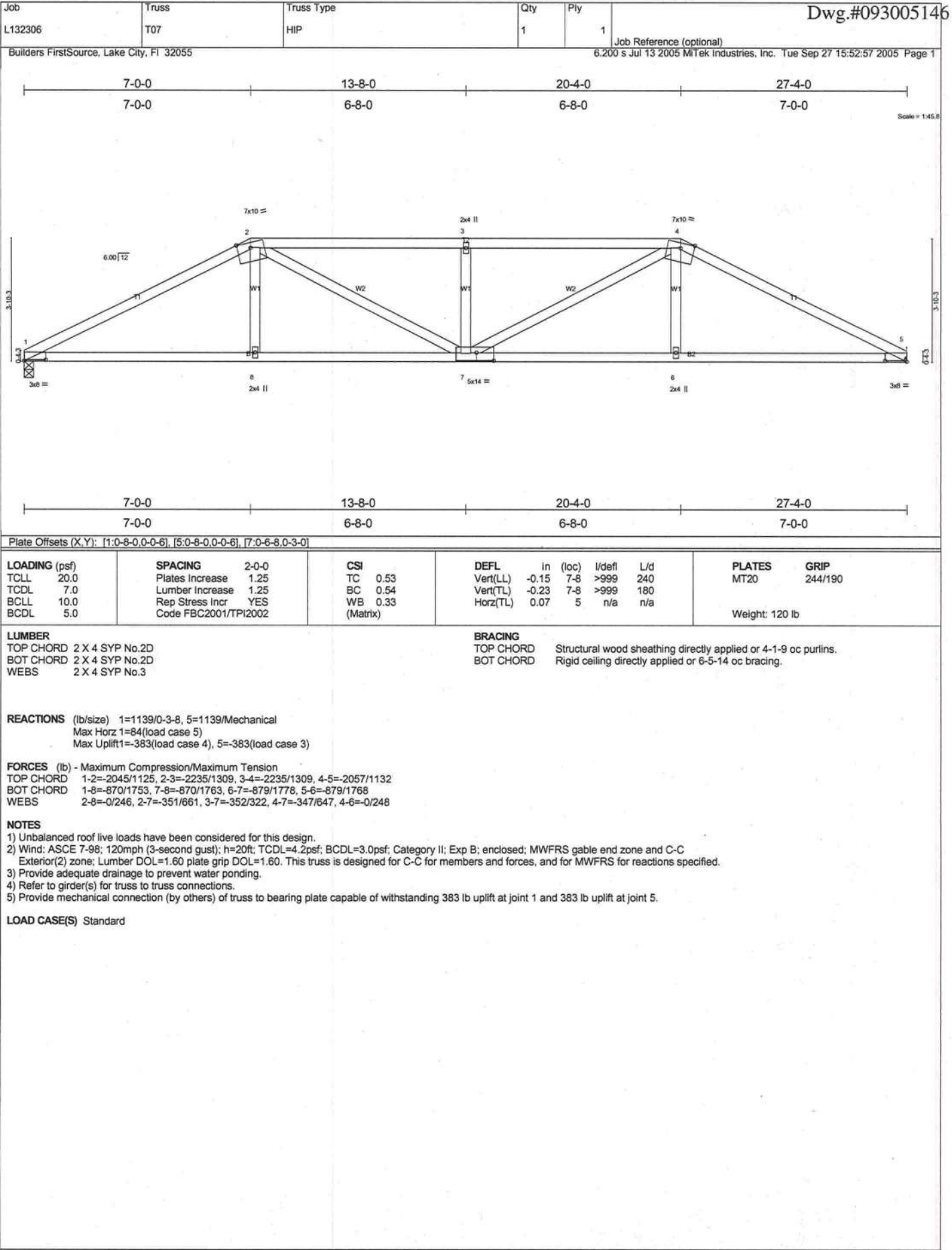
REACTIONS (lb/size) 2=514/0-3-8, 4=514/0-3-8
Max Horz 2=98(load case 6)
Max Uplift 2=432(load case 5), 4=432(load case 6)

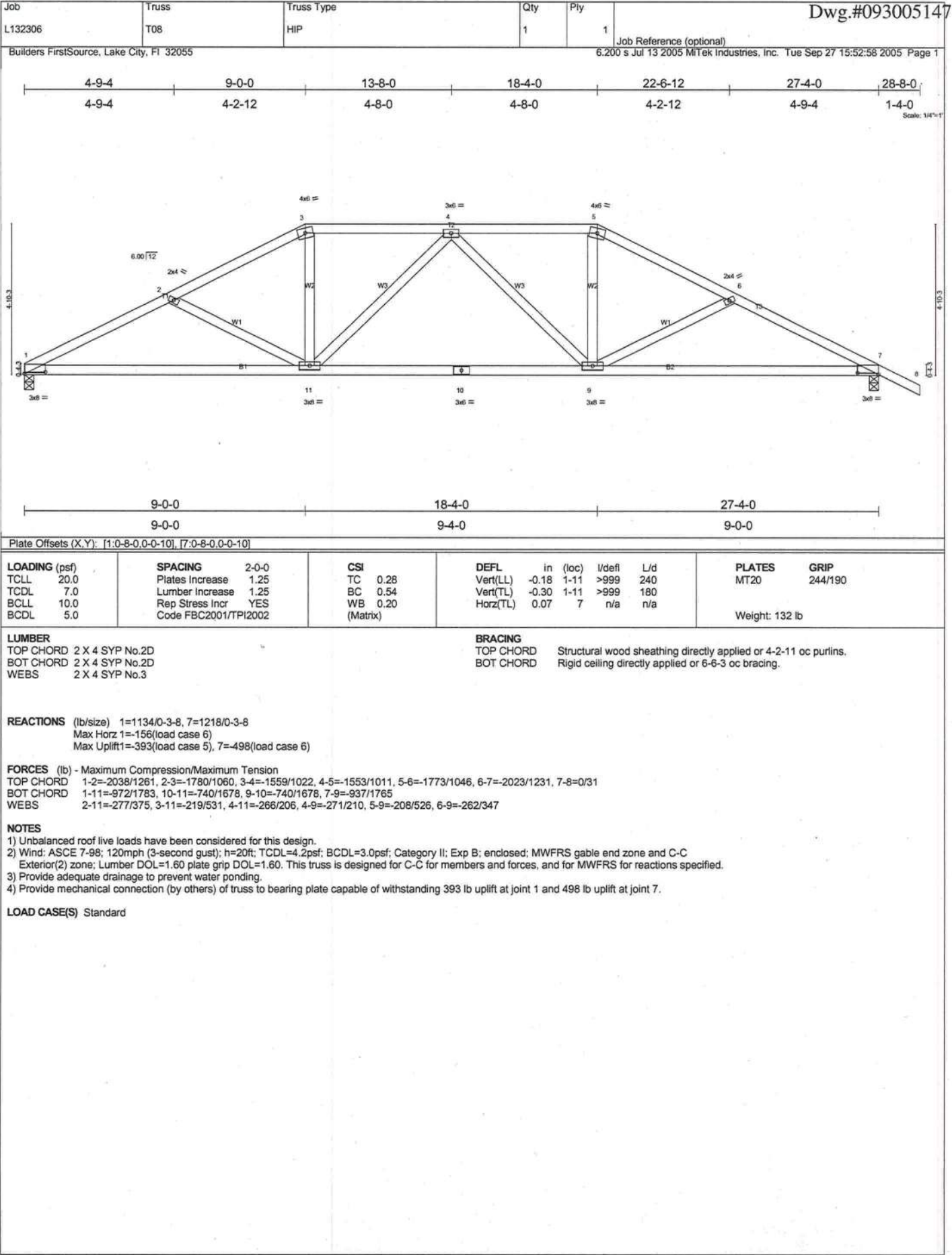
FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/31, 2-3=-599/921, 3-4=-599/921, 4-5=0/31
BOT CHORD 2-6=-650/481, 4-6=-650/481
WEBS 3-6=-410/190

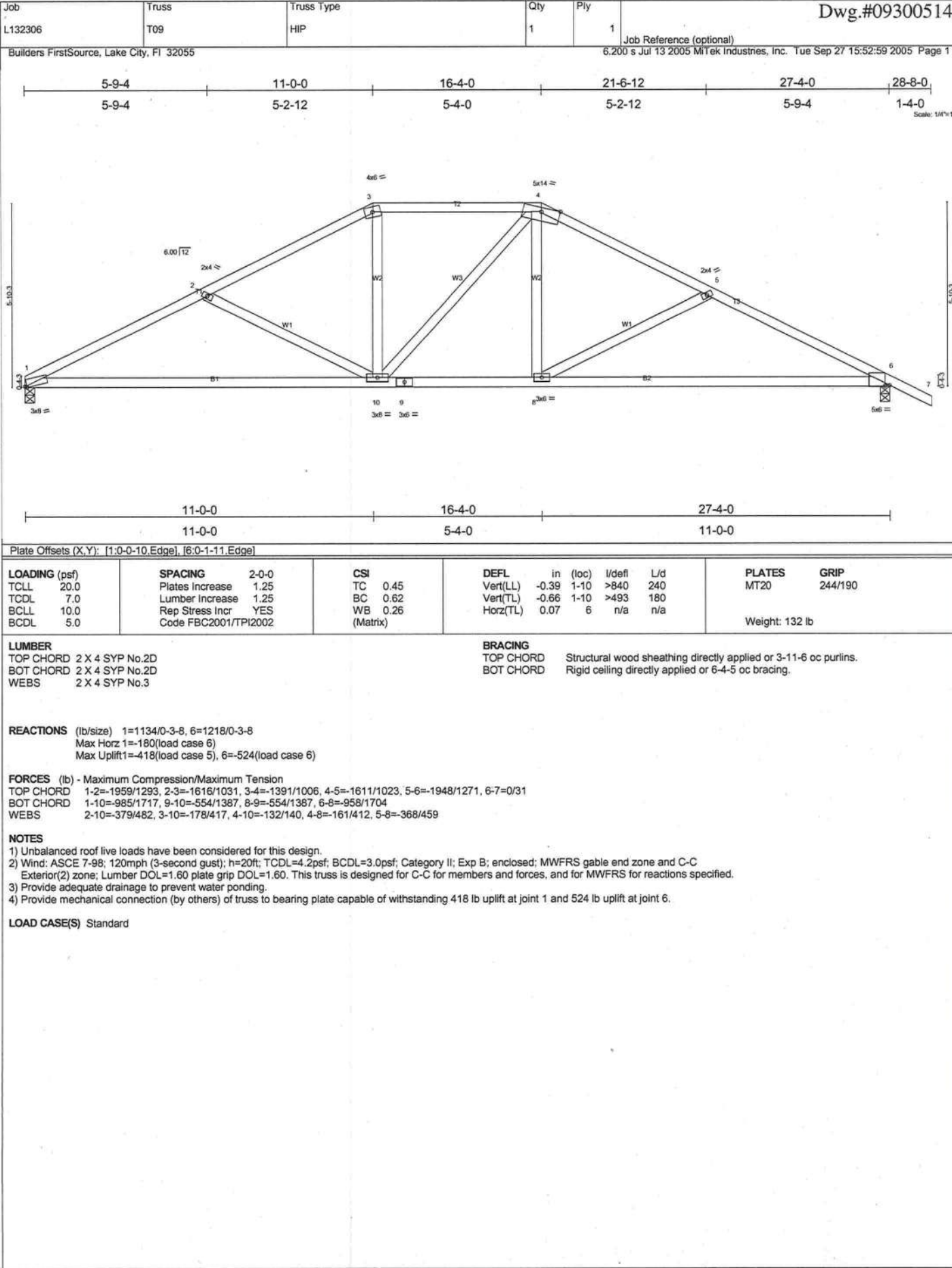
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-98: 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 432 lb uplift at joint 2 and 432 lb uplift at joint 4.

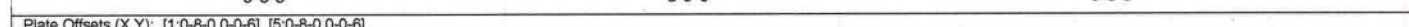
LOAD CASE(S) Standard

SEPTEMBER 30, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549









LUMBER	BRACING
TOP CHORD 2 X 4 SYP No.2D	TOP CHORD Structural wood sheathing directly applied or 3-11-4 oc purlins.
BOT CHORD 2 X 4 SYP No.2D	BOT CHORD Rigid ceiling directly applied or 6-2-13 oc bracing.
WEBS 2 X 4 SYP No.3	

FORCES (lb) - Maximum Compression/Maximum Tension
 TOP CHORD 1-2=1954/1303, 2-3=-1766/1280, 3-4=-1758/1264, 4-5=-1945/1286, 5-6=0/31
 BOT CHORD 1-2=-972/1691, 3-9=-468/1129, 7-8=-468/1129, 5-7=-952/1681
 WEBS 2-9=-369/489, 3-9=-447/1717, 3-7=-427/1704, 4-7=-362/477

NOTES

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCFL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
- 3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 446 lb uplift at joint 1 and 551 lb uplift at joint 5.

LOAD CASE(S) Standard

SEPTEMBER 30, 2005 TRUSS DESIGN ENGINEER:
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STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B. LUTZ, FL 33549

Job

L132306

Truss

T12

Truss Type

COMMON

Qty

3

Ply

1

Dwg.#093005151

Builders FirstSource, Lake City, FL 32055

6.200 s Jul 13 2005 MiTek Industries, Inc. Tue Sep 27 15:53:01 2005 Page 1

7-1-4

7-1-4

13-8-0

6-6-12

20-2-12

6-6-12

27-4-0

7-1-4

Scale = 1:45.3

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

LOADING (psf)	SPACING	2-0-0	CSI	DEFL	in	(loc)	I/defl	L/d	PLATES	GRIP
TCLL 20.0	Plates Increase 1.25		TC 0.47	Vert(LL) -0.24	1-8	>999	240		MT20	244/190
TCDL 7.0	Lumber Increase 1.25		BC 0.54	Vert(TL) -0.40	1-8	>816	180			
BCLL 10.0	Rep Stress Incr YES		WB 0.53	Horz(TL) 0.06	5	n/a	n/a			
BCDL 5.0	Code FBC2001/TPI2002		(Matrix)						Weight: 122 lb	

LUMBER

TOP CHORD 2 X 4 SYP No.2D

BOT CHORD 2 X 4 SYP No.2D

WEBS 2 X 4 SYP No.3

BRACING

TOP CHORD Structural wood sheathing directly applied or 3-11-3 oc purlins.

BOT CHORD Rigid ceiling directly applied or 6-0-7 oc bracing.

REACTIONS (lb/size) 1=1136/Mechanical, 5=1136/0-3-8

Max Horz 1=163(load case 5)

Max Uplift 1=447(load case 5), 5=447(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension

TOP CHORD 1-2=-1958/1312, 2-3=-1771/1289, 3-4=-1771/1289, 4-5=-1958/1312

BOT CHORD 1-8=-1040/1696, 7-8=-537/1134, 6-7=-537/1134, 5-6=-1040/1696

WEBS 2-8=-369/490, 3-8=-445/716, 3-6=-445/716, 4-6=-369/490

NOTES

1) Unbalanced roof live loads have been considered for this design.

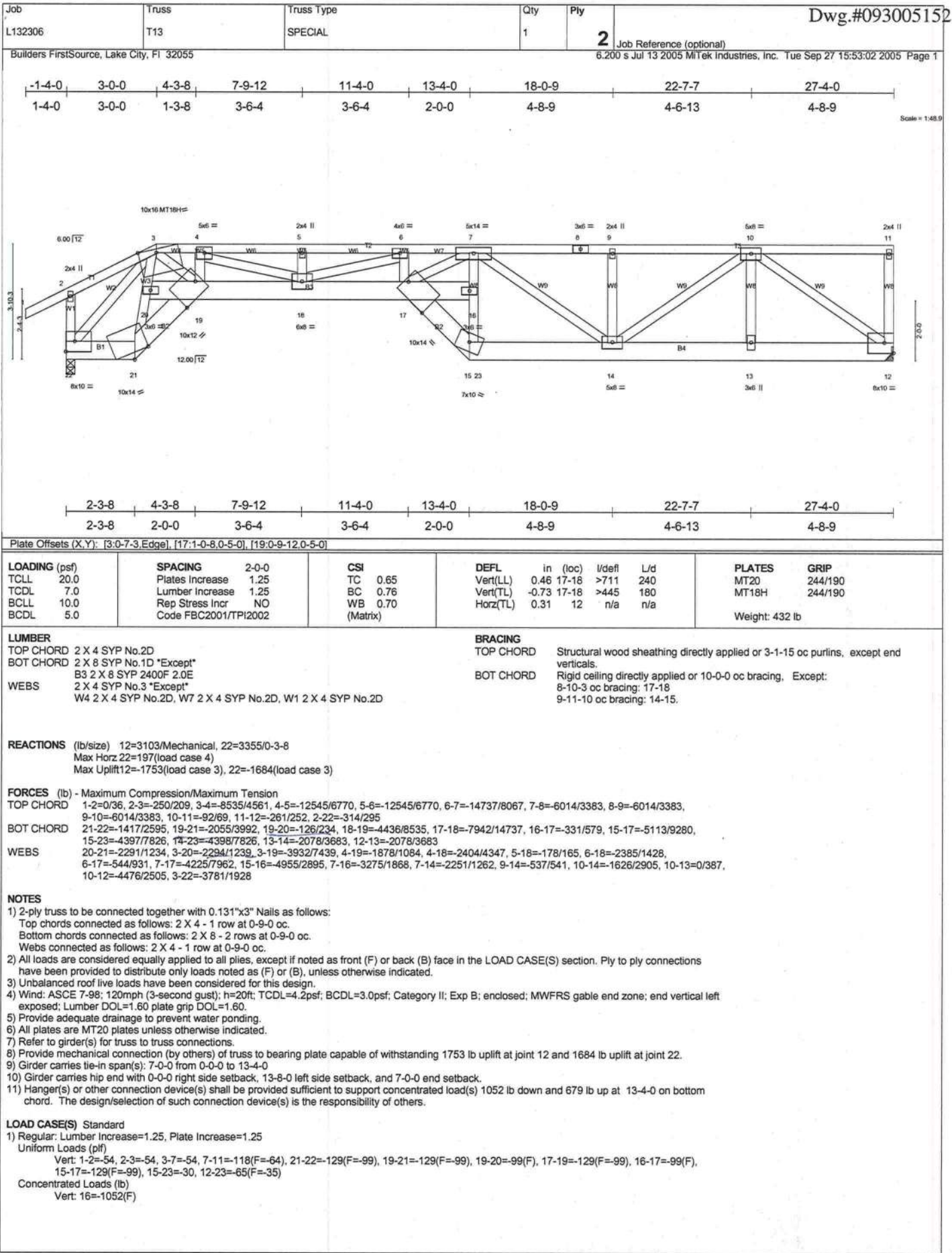
2) Wind: ASCE 7-98; 120mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

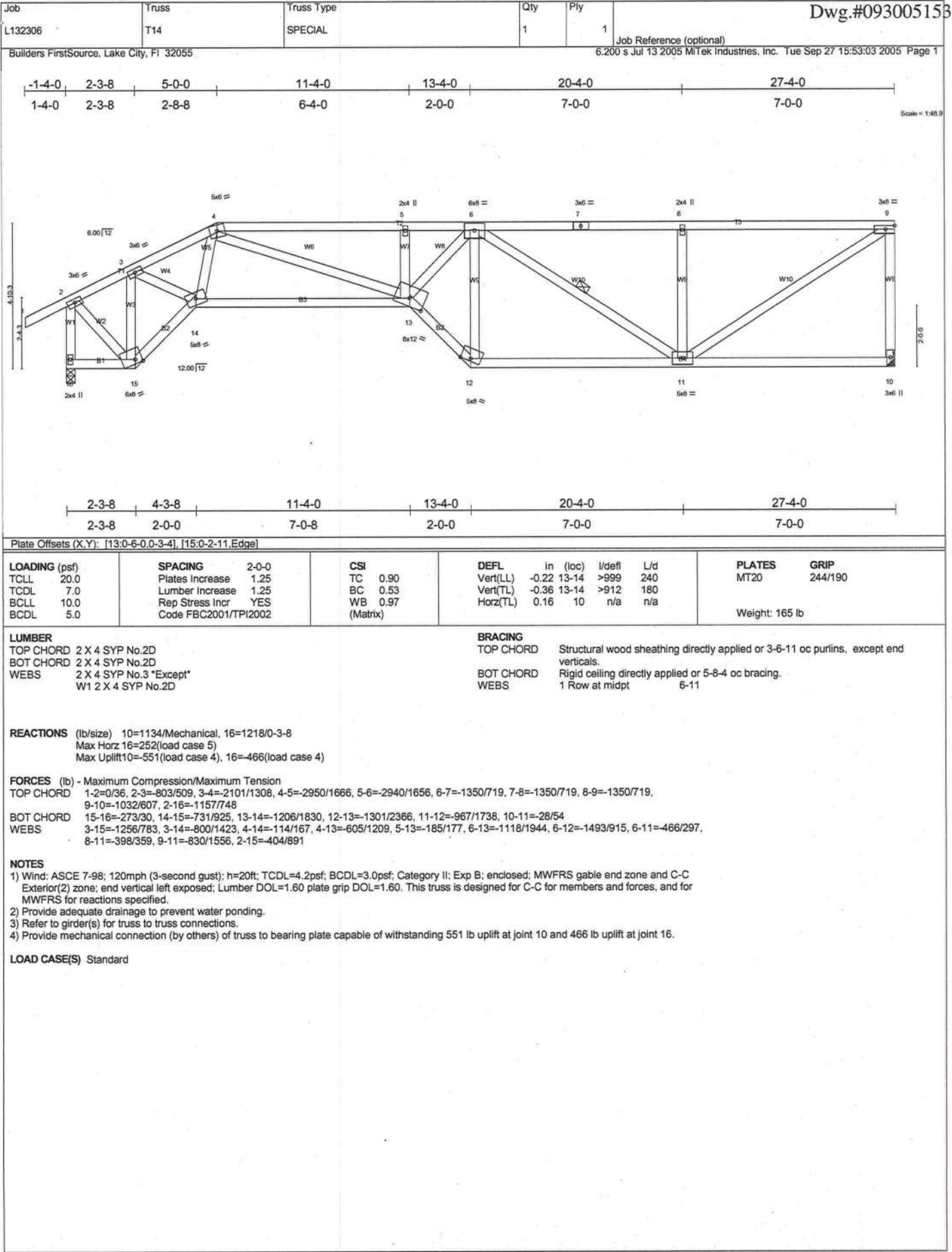
3) Refer to girder(s) for truss to truss connections.

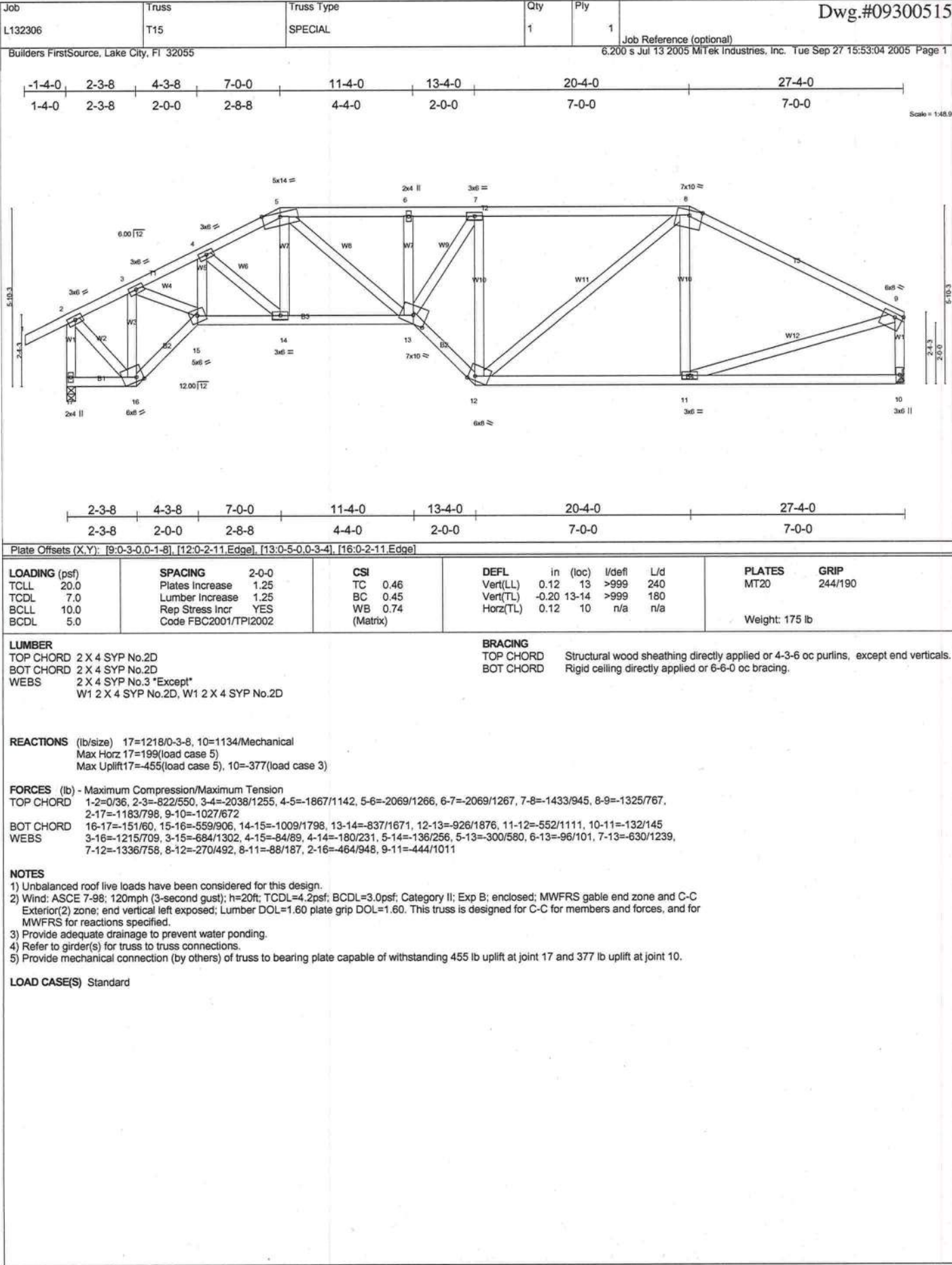
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 447 lb uplift at joint 1 and 447 lb uplift at joint 5.

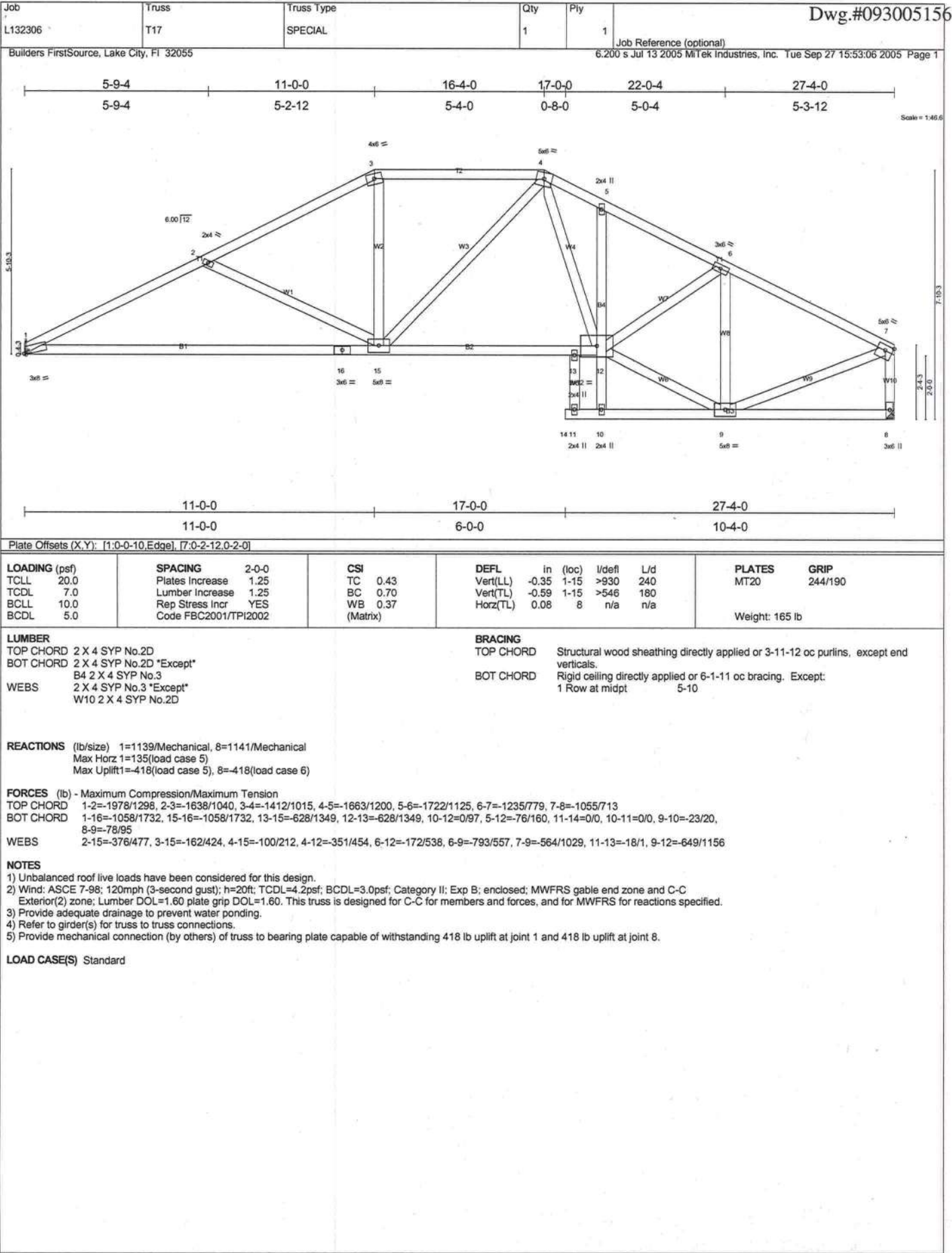
LOAD CASE(S) Standard

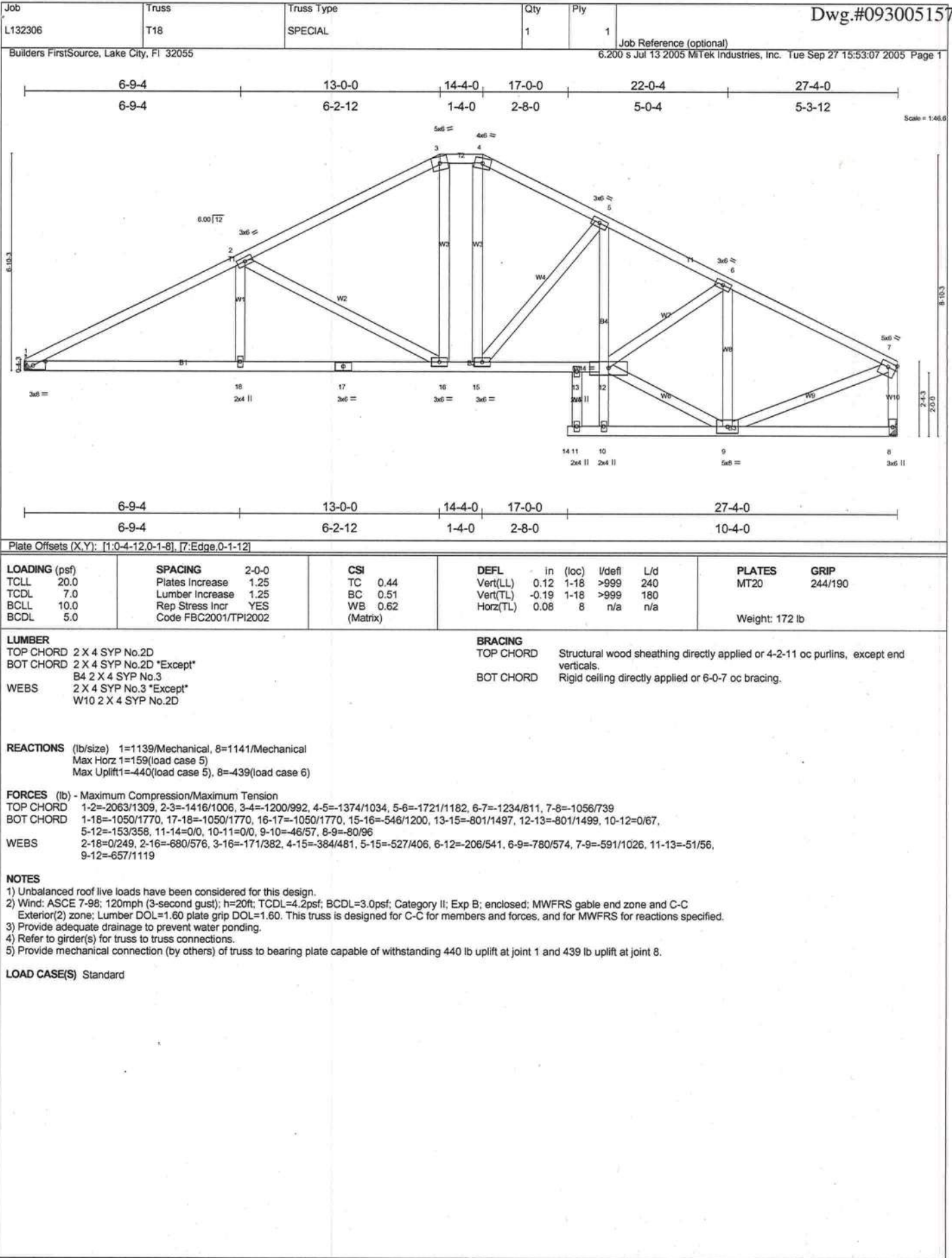
SEPTEMBER 30, 2005 TRUSS DESIGN ENGINEER:
THOMAS E. MILLER PE 56877, BYRON K. ANDERSON PE 60987
STRUCTURAL ENGINEERING AND INSPECTIONS, INC. EB 9196
16105 N. FLORIDA AVE. STE B, LUTZ, FL 33549

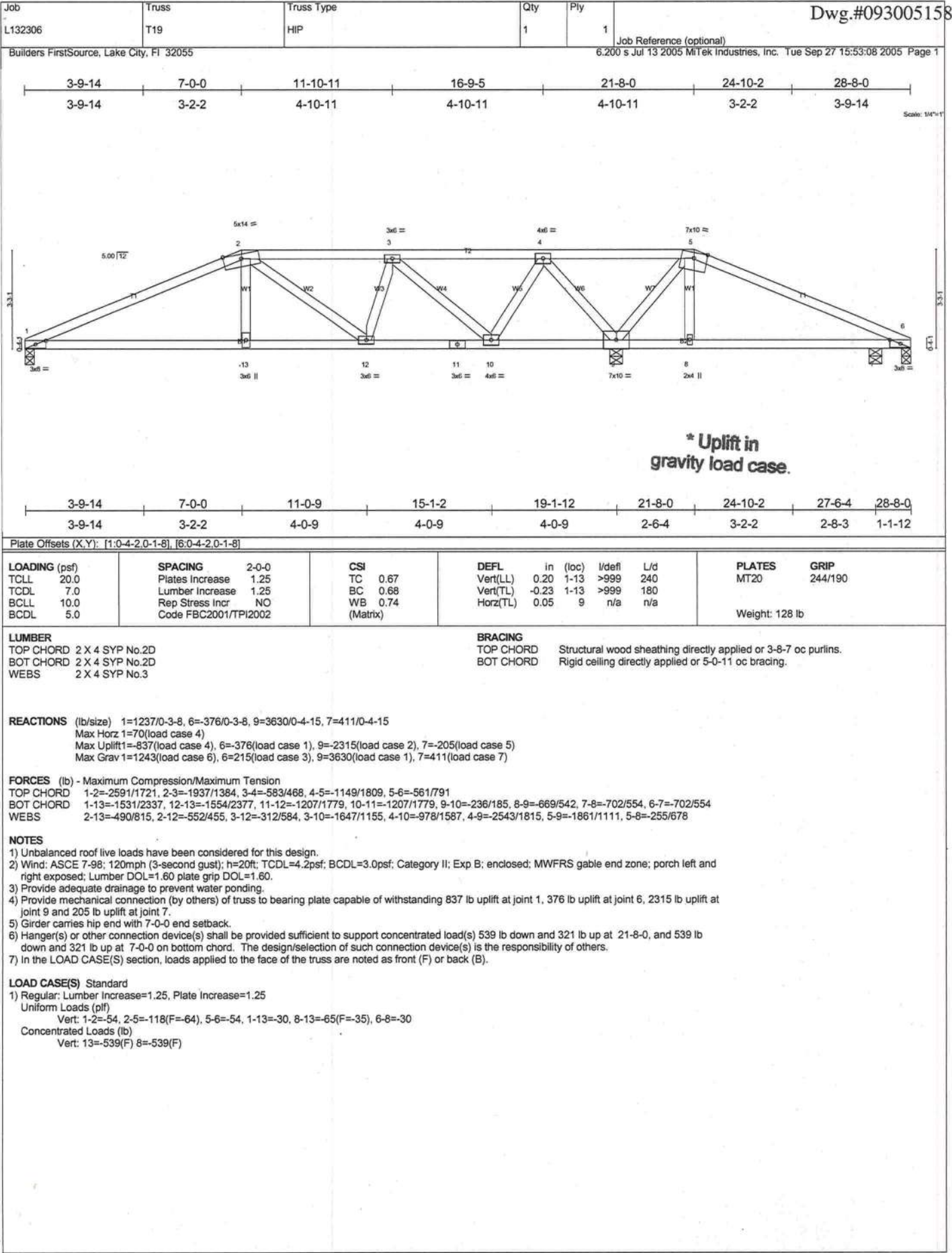


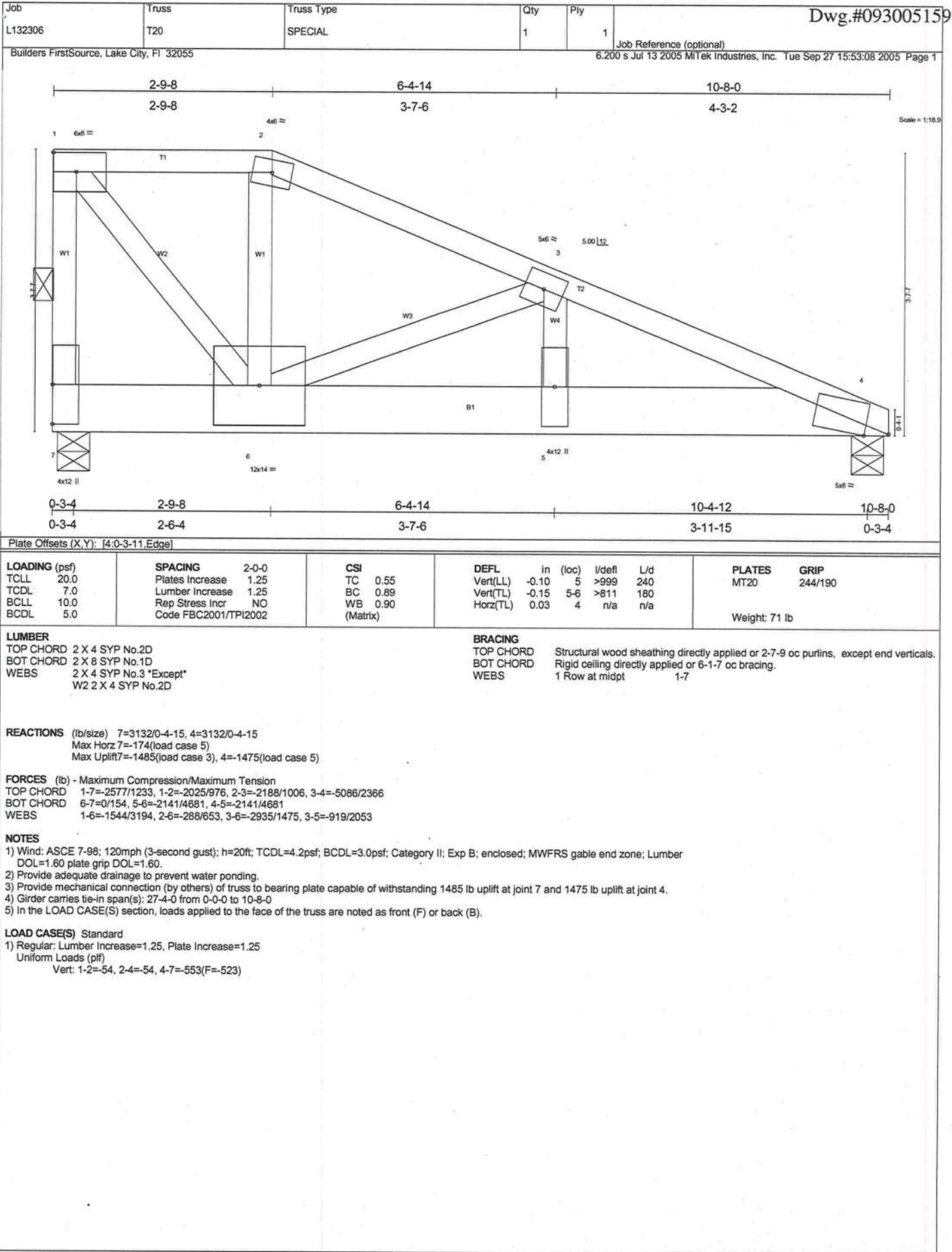


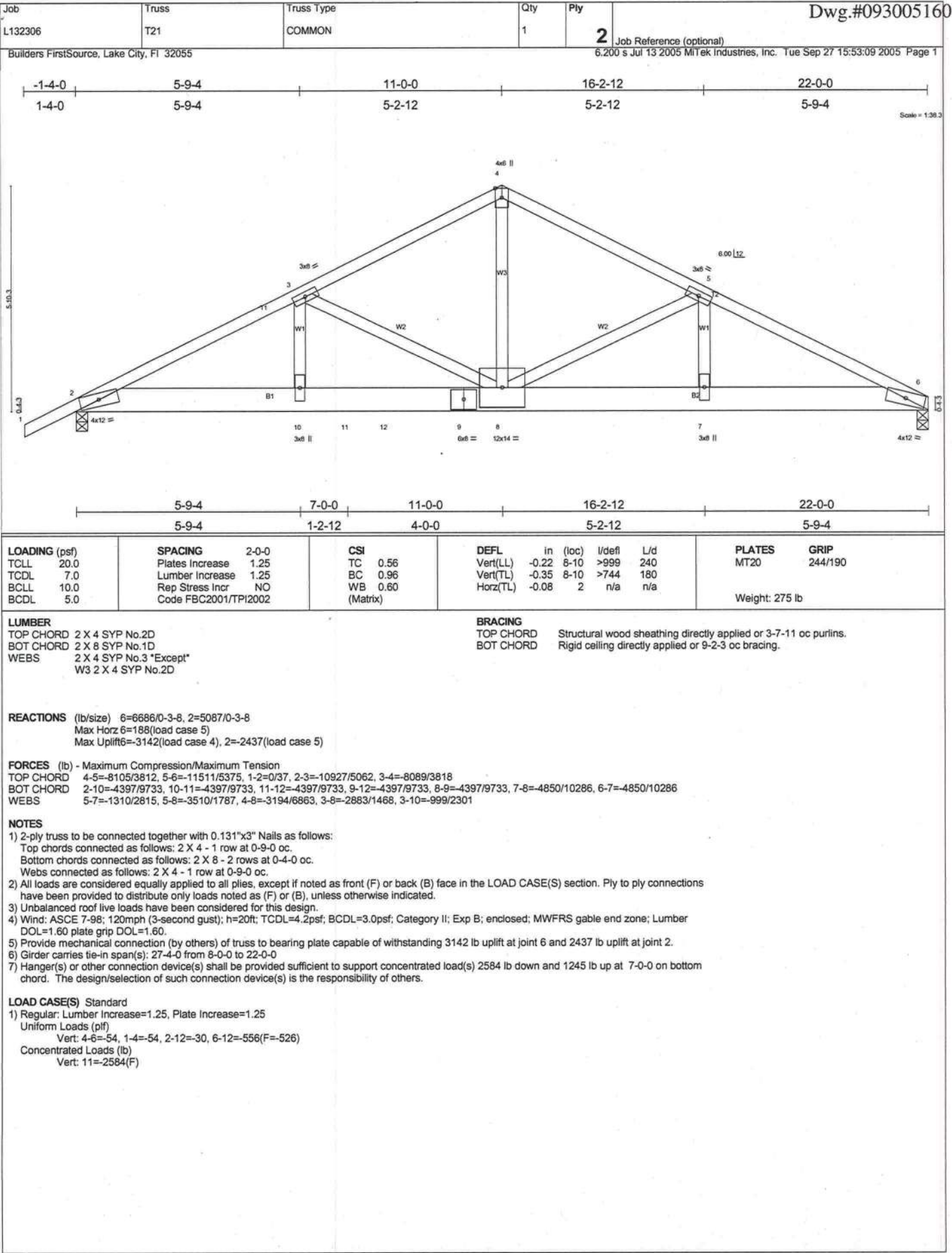






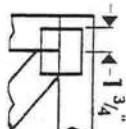




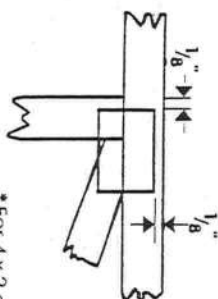


Symbols

PLATE LOCATION AND ORIENTATION



* Center plate on joint unless dimensions indicate otherwise. Dimensions are in inches. Apply plates to both sides of truss and securely seal.



* For 4 x 2 orientation, locate plates 1/8" from outside edge of truss and vertical web.



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

PLATE SIZE

4 X 4

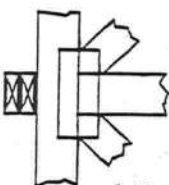
The first dimension is the width perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING



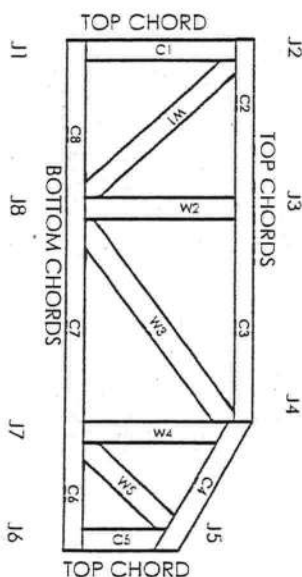
Indicates location of required continuous lateral bracing.

BEARING



Indicates location of joints at which bearings (supports) occur.

Numbering System



JOINTS AND CHORDS ARE NUMBERED CLOCKWISE AROUND THE TRUSS STARTING AT THE LOWEST JOINT FARTHEST TO THE LEFT.

WEBS ARE NUMBERED FROM LEFT TO RIGHT

CONNECTOR PLATE CODE APPROVALS

BOCA	96-31, 96-67
ICBO	3907, 4922
SBCCI	9667, 9432A
WISC/DILHR	960022-W, 970036-N
NER	561



MITek Engineering Reference Sheet: MIT-7473



General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
2. Cut members to bear tightly against each other.
3. Place plates on each face of truss at each joint and embed fully. Avoid knots and wane at joint locations.
4. Unless otherwise noted, locate chord splices at 1/4 panel length ($\pm 6"$ from adjacent joint.)
5. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
6. Unless expressly noted, this design is not applicable for use with fire retardant or preservative treated lumber.
7. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
8. Plate type, size and location dimensions shown indicate minimum plating requirements.
9. Lumber shall be of the species and size, and in all respects, equal to or better than the grade specified.
10. Top chords must be sheathed or purlins provided at spacing shown on design.
11. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
12. Anchorage and / or load transferring connections to trusses are the responsibility of others unless shown.
13. Do not overload roof or floor trusses with stacks of construction materials.
14. Do not cut or alter truss member or plate without prior approval of a professional engineer.
15. Care should be exercised in handling, erection and installation of trusses.

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Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: 1SR7487-Z0211114932

Truss Fabricator: Anderson Truss Company
Job Identification: 5-426-SPARKS CONSTR.-SPEC HOUSE
Truss Count: 48
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.04.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-98 -Closed

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: HCUSR487

Details: BRCLBSUB-A11015EC-GBLLETIN

Seal Date: 10/11/2005

-Truss Design Engineer-
Denise Rutledge
Florida License Number: 58752
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	39946--A1		05284042	10/11/05
2	39947--A2		05284024	10/11/05
3	39948--A3		05284025	10/11/05
4	39949--A4		05284003	10/11/05
5	39950--A5		05284026	10/11/05
6	39951--A6		05284004	10/11/05
7	39952--A7		05284027	10/11/05
8	39953--A8		05284005	10/11/05
9	39954--A9		05284043	10/11/05
10	39955--B1		05284045	10/11/05
11	39956--B2		05284006	10/11/05
12	39957--B3		05284007	10/11/05
13	39958--B4		05284008	10/11/05
14	39959--B5		05284009	10/11/05
15	39960--BB1		05284046	10/11/05
16	39961--BB2		05284010	10/11/05
17	39962--BB3		05284011	10/11/05
18	39963--C1-GE		05284028	10/11/05
19	39964--C2		05284012	10/11/05
20	39965--C3		05284013	10/11/05
21	39966--C4G		05284047	10/11/05
22	39967--D1-GE		05284029	10/11/05
23	39968--D2		05284030	10/11/05
24	39969--HJ7A1		05284031	10/11/05
25	39970--HJ7B2		05284032	10/11/05
26	39971--EJ7		05284033	10/11/05
27	39972--MAG		05284044	10/11/05
28	39973--J8A		05284014	10/11/05
29	39974--J6A		05284034	10/11/05
30	39975--J4A		05284015	10/11/05
31	39976--J7A1		05284035	10/11/05
32	39977--J7A2		05284016	10/11/05
33	39978--J7A3		05284017	10/11/05
34	39979--J5A		05284018	10/11/05
35	39980--J3A		05284019	10/11/05
36	39981--J1A		05284036	10/11/05

#	Ref	Description	Drawing#	Date
37	39982--J5B		05284020	10/11/05
38	39983--J3B		05284021	10/11/05
39	39984--J1B		05284037	10/11/05
40	39985--J2A		05284038	10/11/05
41	39986--K1-GE		05284048	10/11/05
42	39987--K2		05284039	10/11/05
43	39988--K3G		05284049	10/11/05
44	39989--R1-GE		05284040	10/11/05
45	39990--R2		05284022	10/11/05
46	39991--R3		05284042	10/11/05
47	39992--R4		05284041	10/11/05
48	39993--R5		05284023	10/11/05



Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844

Florida Engineering Certificate of Authorization Number: 567

Page 1 of 1 Document ID:ISR7487-Z0211114932

Truss Fabricator: Anderson Truss Company

Job Identification: 5-426-SPARKS CONSTR.-SPEC HOUSE (5-426|-SPARKS CONSTR.-SPEC HOUSE)

Truss Count: 6

Model Code: Florida Building Code

Truss Criteria: ANSI/TPI-2002(STD)/FBC

Engineering Software: Alpine Software,Version 7.04.

Structural Engineer of Record:

Address:

Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 110 MPH ASCE 7-98 -Closed

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: HCUSR487

Seal Date: 10/11/2005

-Truss Design Engineer-

Denise Rutledge

Florida License Number: 58752

1950 Marley Drive

Haines City, FL 33844

Revised Trusses

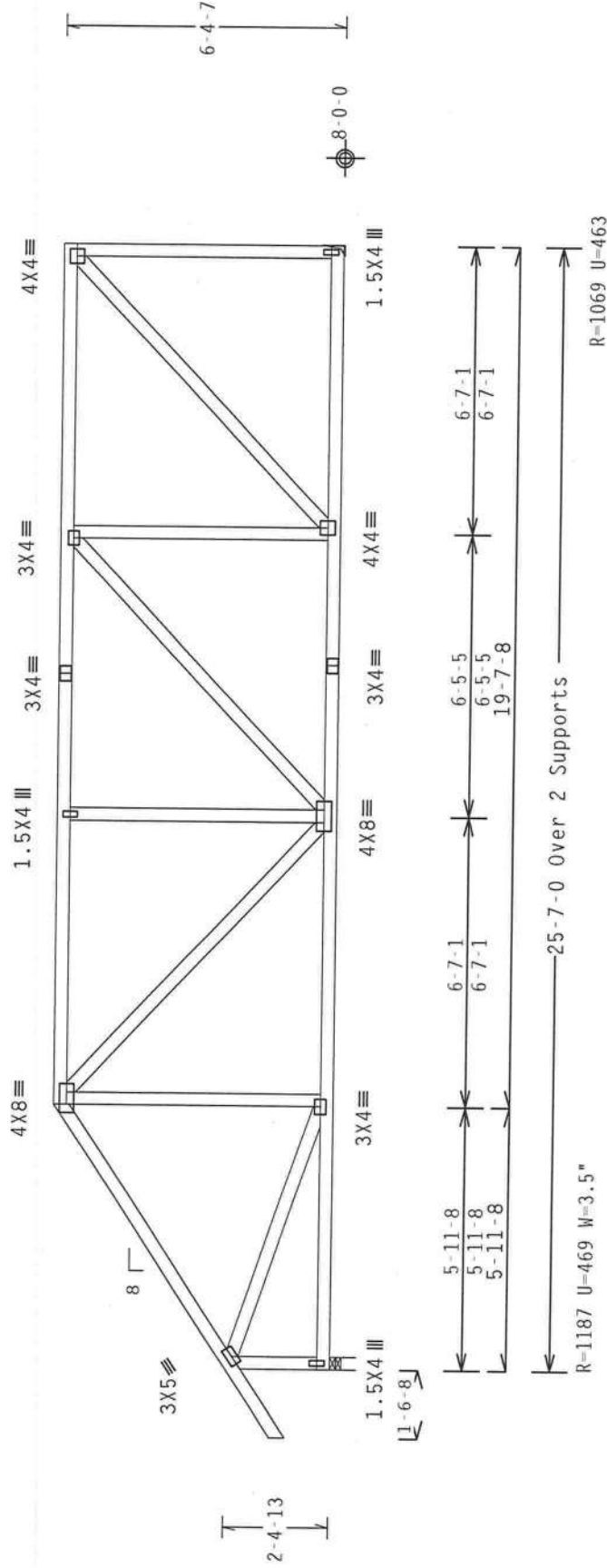
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1	39963--C1-GE		05284028	10/11/05
2	39967--D1-GE		05284029	10/11/05
3	39976--J7A1		05284035	10/11/05
4	39985--J2A		05284038	10/11/05
5	39986--K1-GE		05284048	10/11/05
6	39989--R1-GE		05284040	10/11/05

ALPINE

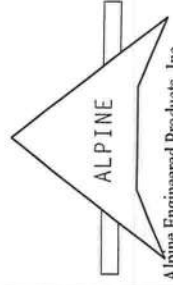


10/5/05

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



TC LL	20.0 PSF	REF	R487 --	39947
TC DL	10.0 PSF	DATE	10/11/05	
BC DL	10.0 PSF	DRW	HCUSR487	05284024
BC LL	0.0 PSF	HC-ENG	DF/ADR	
TOT.LD.	40.0 PSF	SEQN-	43122	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SP7487	702



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567
Haines City, FL 33844

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

110 mph wind, 12.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

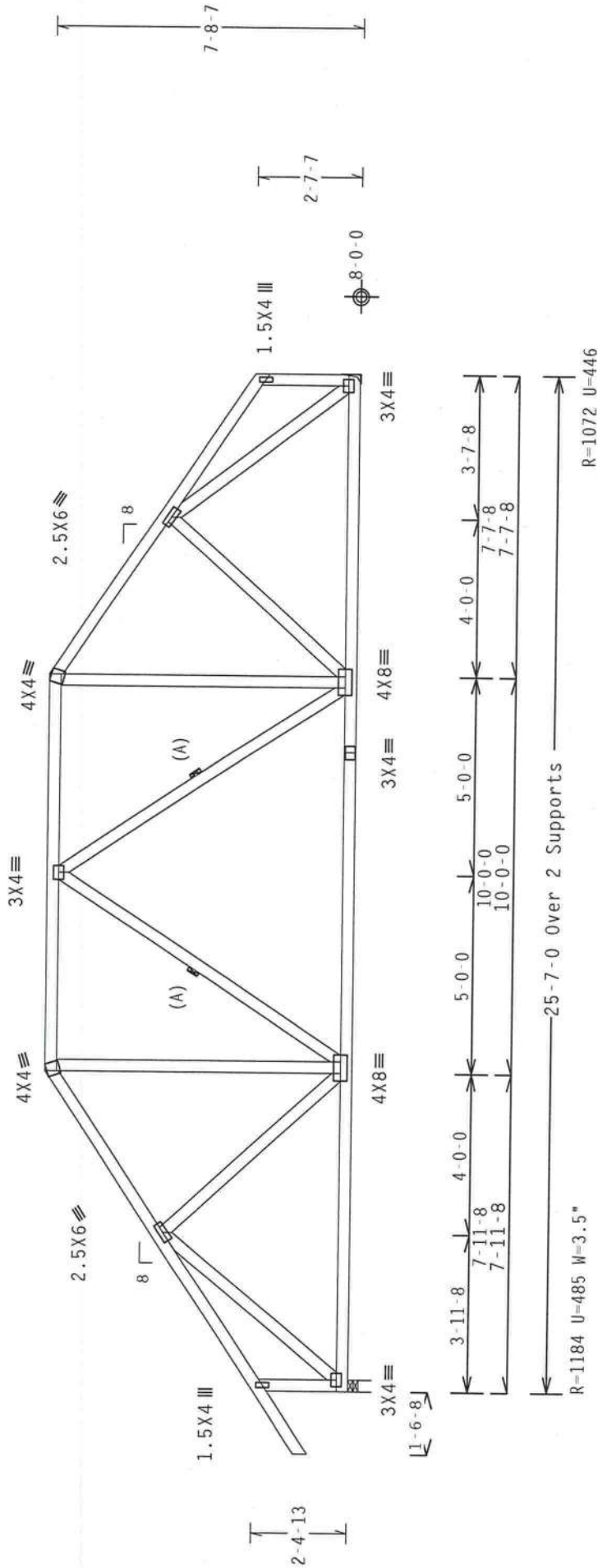
Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Right end vertical not exposed to wind pressure.

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

(A) Continuous lateral bracing equally spaced on member.

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

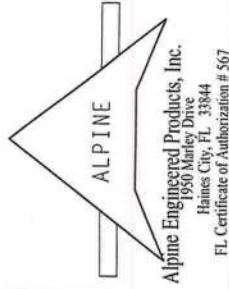


PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE JOSSP PLASTIC INSTITUTE, 583 D'ORFIO RD., SUITE 200, MADISON, WI 53719, AND MTCA (WOOD TRUSS COUNCIL OF AMERICA), 606 ENTERPRISE LN., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO UNLOADING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPARTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1, INSTALLING, BRACING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPECIFICATION) AND ALPINE CONNECTOR PLATES ARE MADE OF 2010/166GA. 0.418/0.361 ASTM A563 GRADE 40/60. IN PLATES TO EACH FACE OF TRUSS AND, WHERE NECESSARY, LOCATED ON THE SEAL ON THIS INSIDE SURFACE OF THE TRUSS. POSITION PER DRAWINGS 16C-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 4.3 OF TPI1-2002 SEC.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



QTY: 1 FL / - / 4 / - / - / R / - Scale = .25" / Ft.

TC LL	20.0	PSF	REF R487 - - 39948
TC DL	10.0	PSF	DATE 10/11/05
BC DL	10.0	PSF	DRW HCUSR487 05284025
BC LL	0.0	PSF	HC-ENG DF/ADR
TOT.LD.	40.0	PSF	SEQN- 43061
DUR.FAC.	1.25		
SPACING	24.0"		QREF- 1SR7487 702

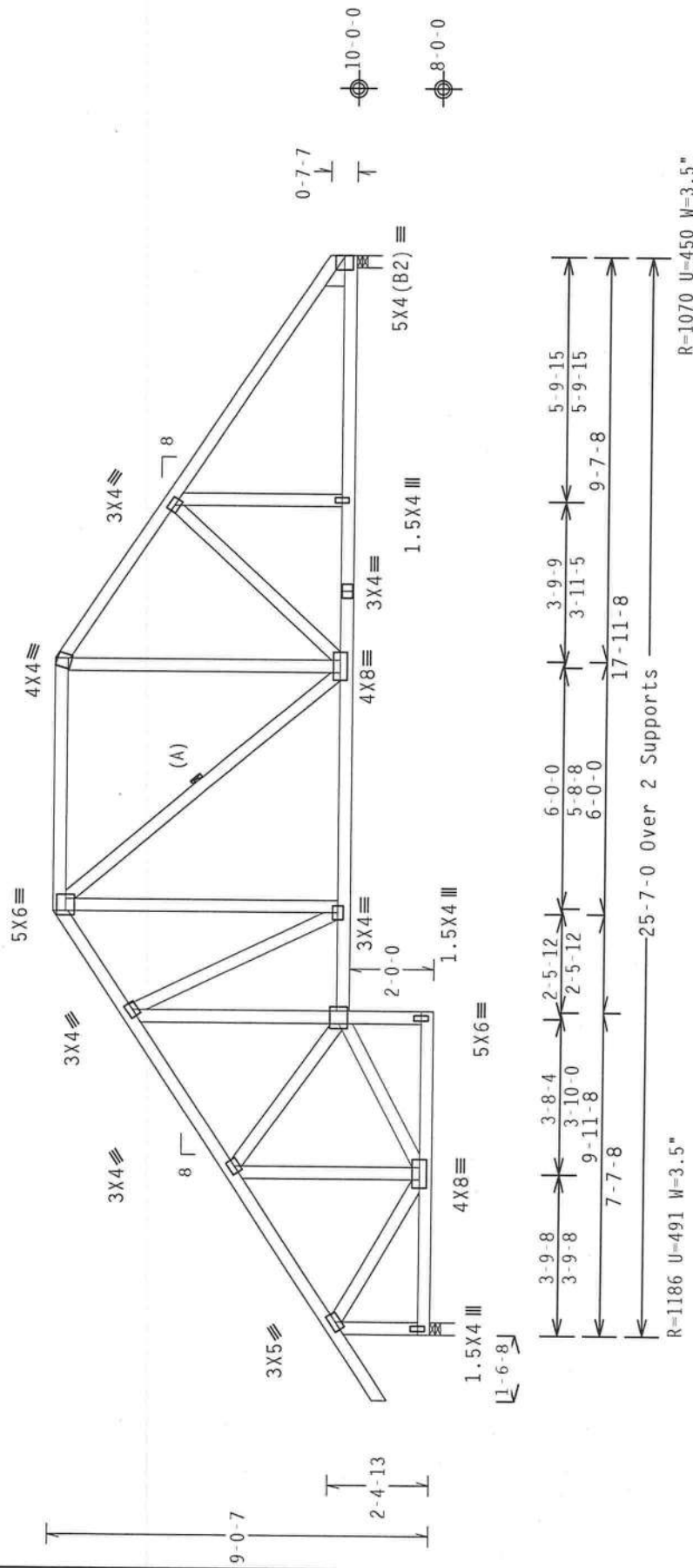
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
		webs	2x4	SP	#3
:Rt	Wedge	2x6	SP	#2:	

110 mph wind, 13.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP 8, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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.



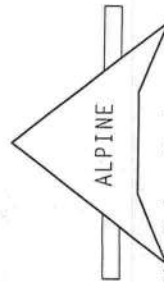
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-93 (BUILDING CODE SAFETY INFORMATION), PUBLISHED BY THE FEDERAL PAPER INSTITUTE, 583 D'ORFORD DR., SUITE 200, MADISON, WI 53719, AND NITA (WOOD TRUSS CONCIL 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 PALS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

$Cq/RT=1.00(1.25)^{10}(0) \quad 7.$

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Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

James City, FL 33844



Oct 11 11:55

FL/-/4/-/-/R/-	Scale = .25" /Ft.
TC LL 20.0 PSF	REF R487 - - 39949
TC DL 10.0 PSF	DATE 10/11/05
BC DL 10.0 PSF	DRW HCUSR487 05284003
BC LL 0.0 PSF	HC-ENG DF/ADR *
TOT.LD. 40.0 PSF	SEQN- 43067
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1SR7487 702

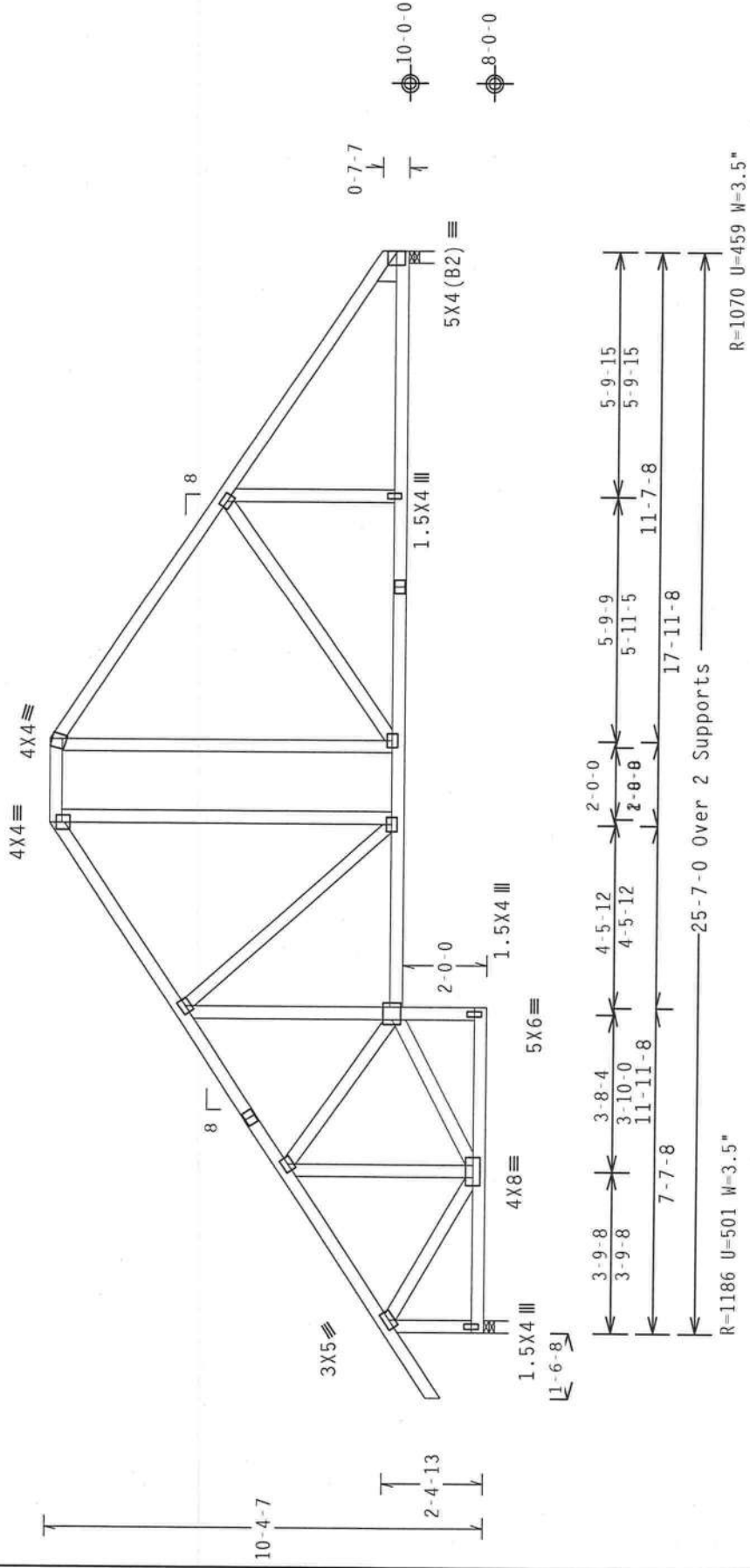
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Wedge 2x6 SP #2:

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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.



Note: All Plates Are 3x4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.04.08

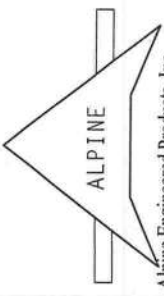
QTY:1

FL/-/4/-/R/-

Scale = .25" / Ft.

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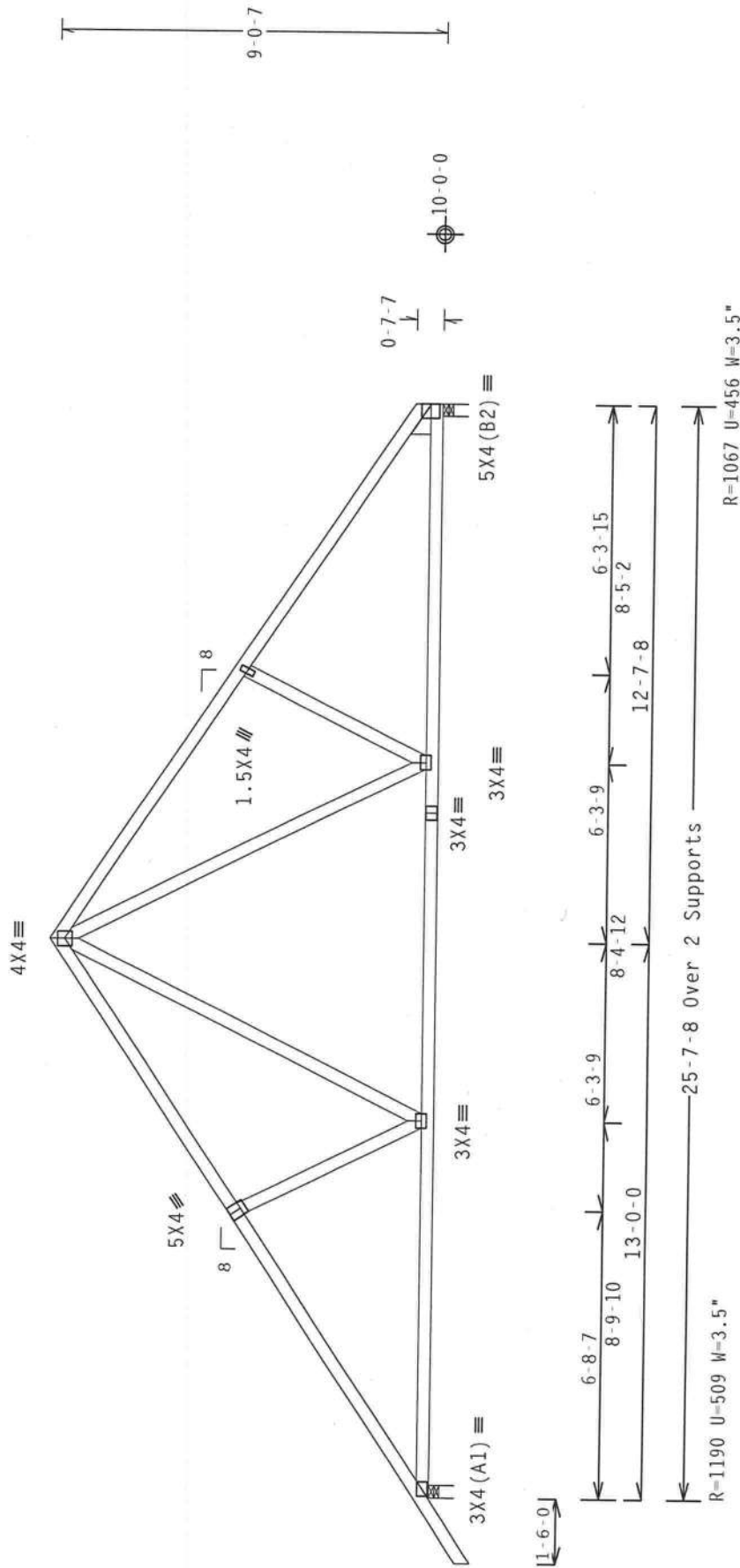
Oct 11 '05

TC LL	20.0 PSF	REF	R487 --	39950
TC DL	10.0 PSF	DATE	10/11/05	
BC DL	10.0 PSF	DRW	HCUSR487	05284026
BC LL	0.0 PSF	HC-ENG	DF/ADR	
TOT.LD.	40.0 PSF	SEQN	43078	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SR7487	Z02

Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	
:Rt	Wedge	2x6	SP	#2:	

110 mph wind, 14.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD) / FRC

 $Cq/RT=1.00(1.25)/10(0) \quad 7$

1805

805 **USE ROUTE** QTY:2 FL/-/4/-/-/R/-

Scale = 25"/Ft

TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED

[illegible]

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567



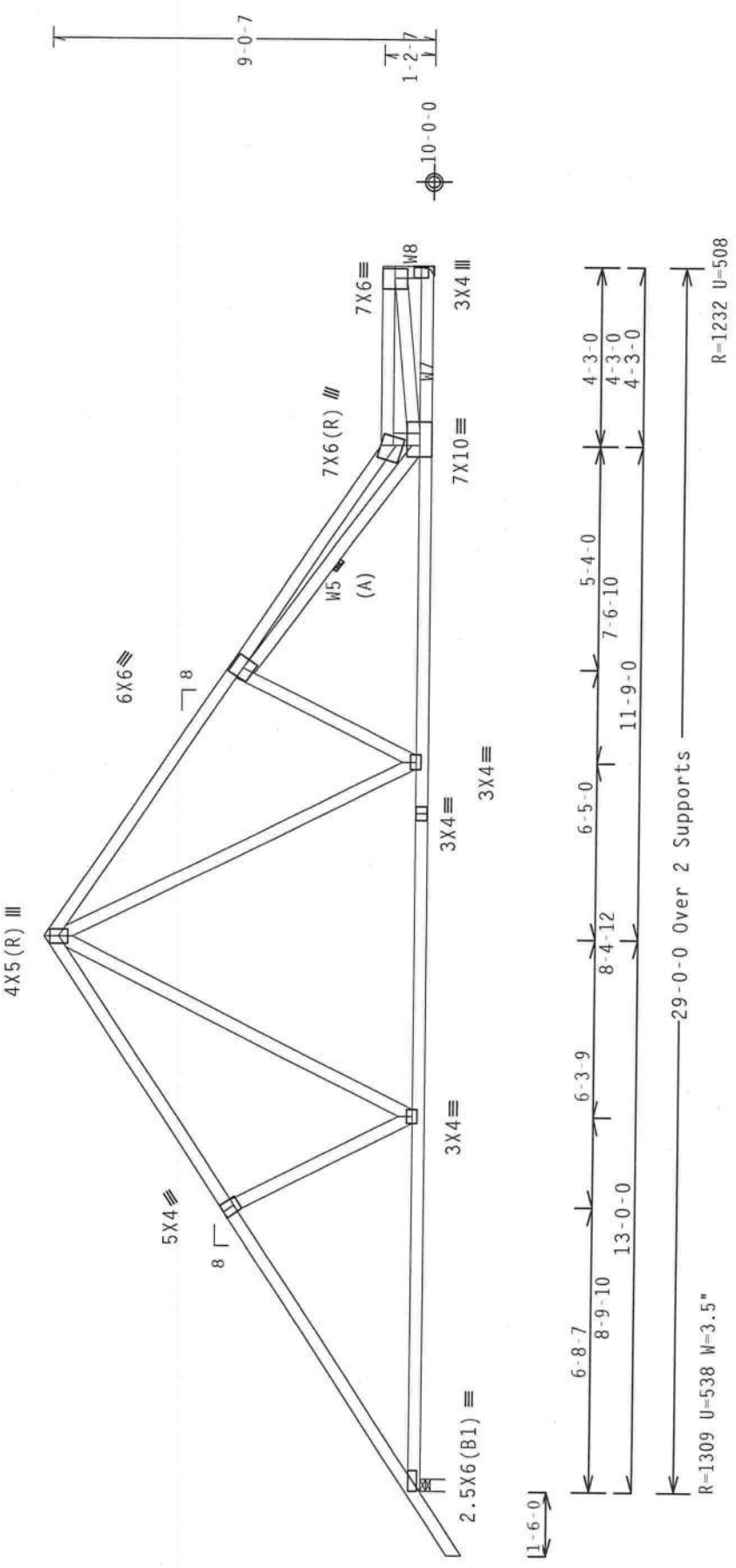
Oct 11 05

SPACING	24.0"	JREF- 1SR7487 702
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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 : W5, W7, W8 2x4 SP #2 Dense:
Calculated horizontal deflection is 0.10" due to live load and 0.16" due to dead load.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 14.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-0.0 psf, wind BC DL-0.0 psf.

(A) Continuous lateral bracing equally spaced on member.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0805

Scale = .25"/Ft.

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"

QTY: 6 FL/- 4/- /R/-

REF R487 -- 39952
DATE 10/11/05
DRW HCUSR487 05284027
HC-ENG DF/ADR
SEQN- 42977
FROM JP
JREF- 1SR7487 702

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

Oct 11 03

Professional Engineer
State of Florida
License No. 5842

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE USER MUST FOLLOW THE FOLLOWING SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNBROOK RD., MADISON, WI 53719) AND WTC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY. THESE INSTRUCTIONS ARE TO BE FOLLOWED BY ALL PERSONS INVOLVED IN THE FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

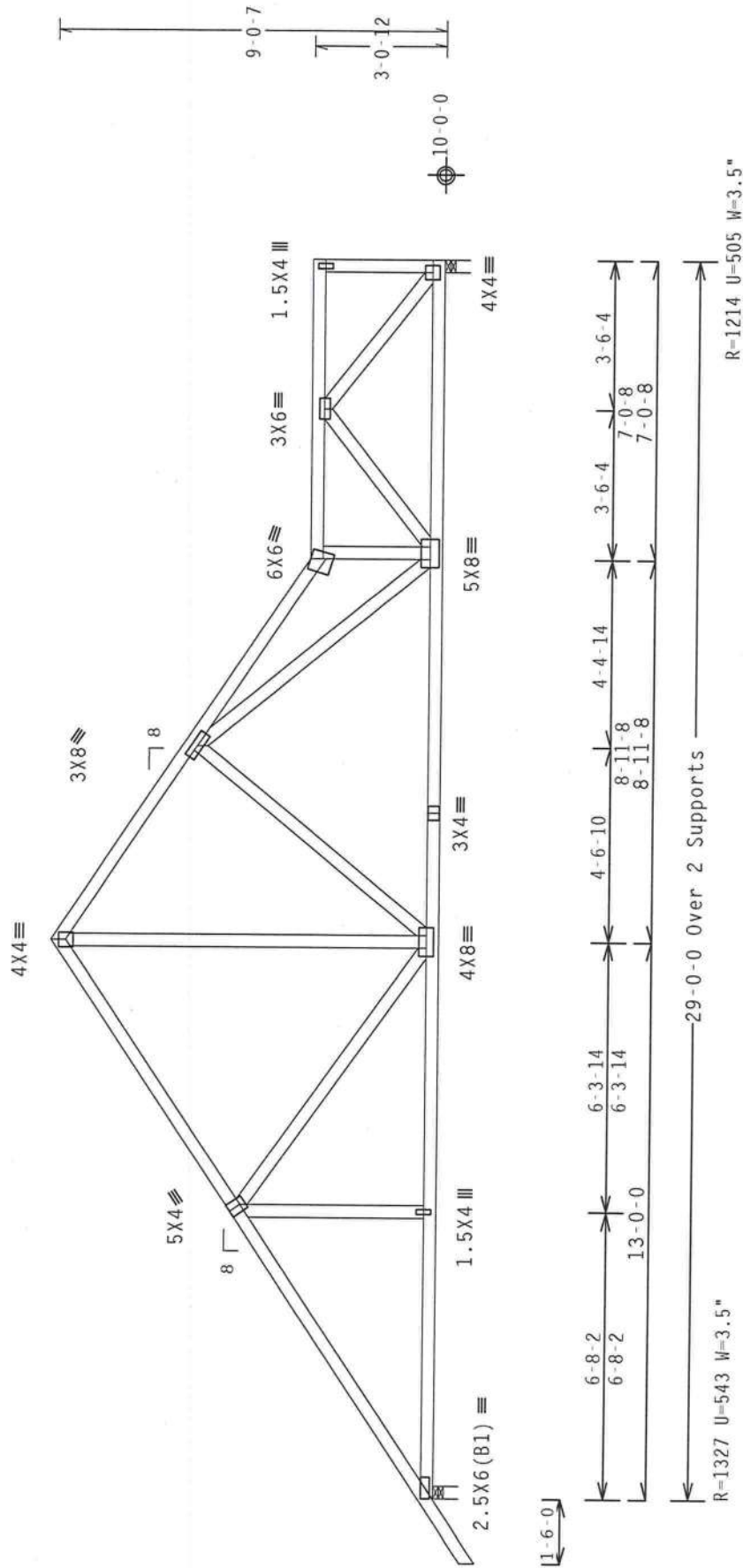
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Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

110 mph wind, 14.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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.

Right end vertical not exposed to wind pressure.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$ 7.04.0805.

QTY:3 FL/-/4/-/-/R/-

Scale = .25"/Ft.

WARNING: TROUSSES REQUIRE EXTREME CARE IN INFORMATION, HANDLING, SHIPPING, INSTALLING AND DRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PRACTICE INSTITUTE), 583 D'ORFORD DR., SUITE 200, MAISON, MI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE DR., MAISON, MI 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 PROPERLY ATTACHED RIGID CELLING.

IMPORTANT—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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 A BRACING OF TRUSSES, OR ANY OTHER ACTIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., FOR ALPINE) AND TPI. APPLY TO EACH TRUSS AND PLATE TO EACH JOINT. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 160B-2, 160C-2, 160D-2, 160E-2, 160F-2, 160G-2, 160H-2, 160I-2, 160J-2, 160K-2, 160L-2, 160M-2, 160N-2, 160O-2, 160P-2, 160Q-2, 160R-2, 160S-2, 160T-2, 160U-2, 160V-2, 160W-2, 160X-2, 160Y-2, 160Z-2, 160AA-2, 160AB-2, 160AC-2, 160AD-2, 160AE-2, 160AF-2, 160AG-2, 160AH-2, 160AI-2, 160AJ-2, 160AK-2, 160AL-2, 160AM-2, 160AN-2, 160AO-2, 160AP-2, 160AQ-2, 160AR-2, 160AS-2, 160AT-2, 160AU-2, 160AV-2, 160AW-2, 160AX-2, 160AY-2, 160AZ-2, 160BA-2, 160BB-2, 160BC-2, 160BD-2, 160BE-2, 160BF-2, 160BG-2, 160BH-2, 160BI-2, 160BJ-2, 160BK-2, 160BL-2, 160BM-2, 160BN-2, 160BO-2, 160BP-2, 160BQ-2, 160BR-2, 160BS-2, 160BT-2, 160BU-2, 160BV-2, 160BW-2, 160BX-2, 160BY-2, 160BZ-2, 160CA-2, 160CB-2, 160CC-2, 160CD-2, 160CE-2, 160CF-2, 160CG-2, 160CH-2, 160CI-2, 160CJ-2, 160CK-2, 160CL-2, 160CM-2, 160CN-2, 160CO-2, 160CP-2, 160CQ-2, 160CR-2, 160CS-2, 160CT-2, 160CU-2, 160CV-2, 160CW-2, 160CX-2, 160CY-2, 160CZ-2, 160DA-2, 160DB-2, 160DC-2, 160DD-2, 160DE-2, 160DF-2, 160DG-2, 160DH-2, 160DI-2, 160DJ-2, 160DK-2, 160DL-2, 160DM-2, 160DN-2, 160DO-2, 160DP-2, 160DQ-2, 160DR-2, 160DS-2, 160DT-2, 160DU-2, 160DV-2, 160DW-2, 160DX-2, 160DY-2, 160DZ-2, 160EA-2, 160EB-2, 160EC-2, 160ED-2, 160EE-2, 160EF-2, 160EG-2, 160EH-2, 160EI-2, 160EJ-2, 160EK-2, 160EL-2, 160EM-2, 160EN-2, 160EO-2, 160EP-2, 160EQ-2, 160ER-2, 160ES-2, 160ET-2, 160EU-2, 160EV-2, 160EW-2, 160EX-2, 160EY-2, 160EZ-2, 160FA-2, 160FB-2, 160FC-2, 160FD-2, 160FE-2, 160FF-2, 160FG-2, 160FH-2, 160FI-2, 160FJ-2, 160FK-2, 160FL-2, 160FM-2, 160FN-2, 160FO-2, 160FP-2, 160FQ-2, 160FR-2, 160FS-2, 160FT-2, 160FU-2, 160FV-2, 160FW-2, 160FX-2, 160FY-2, 160FZ-2, 160GA-2, 160GB-2, 160GC-2, 160GD-2, 160GE-2, 160GF-2, 160GG-2, 160GH-2, 160GI-2, 160GJ-2, 160GK-2, 160GL-2, 160GM-2, 160GN-2, 160GO-2, 160GP-2, 160GQ-2, 160GR-2, 160GS-2, 160GT-2, 160GU-2, 160GV-2, 160GW-2, 160GX-2, 160GY-2, 160GZ-2, 160HA-2, 160HB-2, 160HC-2, 160HD-2, 160HE-2, 160HF-2, 160HG-2, 160HH-2, 160HI-2, 160HJ-2, 160HK-2, 160HL-2, 160HM-2, 160HN-2, 160HO-2, 160HP-2, 160HQ-2, 160HR-2, 160HS-2, 160HT-2, 160HU-2, 160HV-2, 160HW-2, 160HX-2, 160HY-2, 160HZ-2, 160IA-2, 160IB-2, 160IC-2, 160ID-2, 160IE-2, 160IF-2, 160IG-2, 160IH-2, 160II-2, 160IJ-2, 160IK-2, 160IL-2, 160IM-2, 160IN-2, 160IO-2, 160IP-2, 160IQ-2, 160IR-2, 160IS-2, 160IT-2, 160IU-2, 160IV-2, 160IW-2, 160IX-2, 160IY-2, 160IZ-2, 160JA-2, 160JB-2, 160JC-2, 160JD-2, 160JE-2, 160JF-2, 160JG-2, 160JH-2, 160JI-2, 160JJ-2, 160JK-2, 160JL-2, 160JM-2, 160JN-2, 160JO-2, 160JP-2, 160JQ-2, 160JR-2, 160JS-2, 160JT-2, 160JU-2, 160JV-2, 160JW-2, 160JX-2, 160JY-2, 160JZ-2, 160KA-2, 160KB-2, 160KC-2, 160KD-2, 160KE-2, 160KF-2, 160KG-2, 160KH-2, 160KI-2, 160KJ-2, 160KK-2, 160KL-2, 160KM-2, 160KN-2, 160KO-2, 160KP-2, 160KQ-2, 160KR-2, 160KS-2, 160KT-2, 160KU-2, 160KV-2, 160KW-2, 160KX-2, 160KY-2, 160KZ-2, 160LA-2, 160LB-2, 160LC-2, 160LD-2, 160LE-2, 160LF-2, 160LG-2, 160LH-2, 160LI-2, 160LJ-2, 160LK-2, 160LL-2, 160LM-2, 160LN-2, 160LO-2, 160LP-2, 160LQ-2, 160LR-2, 160LS-2, 160LT-2, 160LU-2, 160LV-2, 160LW-2, 160LX-2, 160LY-2, 160LZ-2, 160MA-2, 160MB-2, 160MC-2, 160MD-2, 160ME-2, 160MF-2, 160MG-2, 160MH-2, 160MI-2, 160MJ-2, 160MK-2, 160ML-2, 160MM-2, 160MN-2, 160MO-2, 160MP-2, 160MQ-2, 160MR-2, 160MS-2, 160MT-2, 160MU-2, 160MV-2, 160MW-2, 160MX-2, 160MY-2, 160MZ-2, 160NA-2, 160NB-2, 160NC-2, 160ND-2, 160NE-2, 160NF-2, 160NG-2, 160NH-2, 160NI-2, 160NJ-2, 160NK-2, 160NL-2, 160NM-2, 160NN-2, 160NO-2, 160NP-2, 160NQ-2, 160NR-2, 160NS-2, 160NT-2, 160NU-2, 160NV-2, 160NW-2, 160NX-2, 160NY-2, 160NZ-2, 160OA-2, 160OB-2, 160OC-2, 160OD-2, 160OE-2, 160OF-2, 160OG-2, 160OH-2, 160OI-2, 160OJ-2, 160OK-2, 160OL-2, 160OM-2, 160ON-2, 160OO-2, 160OP-2, 160OQ-2, 160OR-2, 160OS-2, 160OT-2, 160OU-2, 160OV-2, 160OW-2, 160OX-2, 160OY-2, 160OZ-2, 160PA-2, 160PB-2, 160PC-2, 160PD-2, 160PE-2, 160PF-2, 160PG-2, 160PH-2, 160PI-2, 160PJ-2, 160PK-2, 160PL-2, 160PM-2, 160PN-2, 160PO-2, 160PP-2, 160PQ-2, 160PR-2, 160PS-2, 160PT-2, 160PU-2, 160PV-2, 160PW-2, 160PX-2, 160PY-2, 160PZ-2, 160QA-2, 160QB-2, 160QC-2, 160QD-2, 160QE-2, 160QF-2, 160QG-2, 160QH-2, 160QI-2, 160QJ-2, 160QK-2, 160QL-2, 160QM-2, 160QN-2, 160QO-2, 160QP-2, 160QQ-2, 160QR-2, 160QS-2, 160QT-2, 160QU-2, 160QV-2, 160QW-2, 160QX-2, 160QY-2, 160QZ-2, 160RA-2, 160RB-2, 160RC-2, 160RD-2, 160RE-2, 160RF-2, 160RG-2, 160RH-2, 160RI-2, 160RJ-2, 160RK-2, 160RL-2, 160RM-2, 160RN-2, 160RO-2, 160RP-2, 160RQ-2, 160RR-2, 160RS-2, 160RT-2



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

Haines City, FL 33844
FL Certificate of Authorization # 567



Oct. 11, 1901.

TC LL	20.0	PSF	REF	R487--	39953
TC DL	10.0	PSF	DATE	10/11/05	
BC DL	10.0	PSF	DRW	HCUSR487	05284005
BC LL	0.0	PSF	HC-ENG	DF/ADR	*
TOT.LD.	40.0	PSF	SEQN-	42912	
DUR.FAC.	1.25				
SPACING	24.0"		JRFF-	1SR748	702

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W10 2x4 SP #2 Dense:

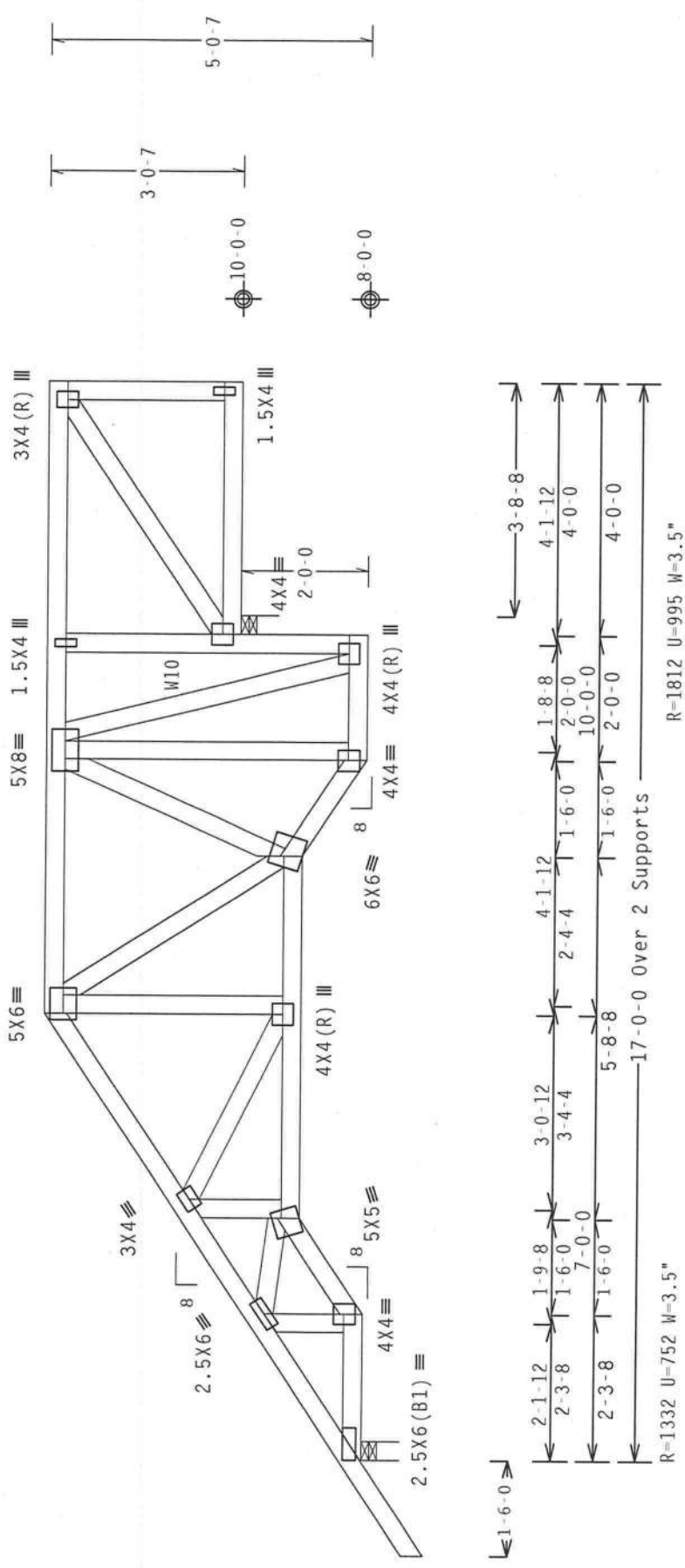
110 mph wind, 15.00 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)			
TC	- From	64 PLF at -1.50 to	64 PLF at 17.00
BC	- From	5 PLF at -1.50 to	5 PLF at 0.00
BC	- From	20 PLF at 0.00 to	20 PLF at 2.29
BC	- From	24 PLF at 2.29 to	24 PLF at 3.79
BC	- From	20 PLF at 3.79 to	20 PLF at 9.50
BC	- From	24 PLF at 9.50 to	24 PLF at 11.00
BC	- From	20 PLF at 11.00 to	20 PLF at 17.00
TC	- 652 LB Conc.	Load at 7.06	
BC	- 948 LB Conc.	Load at 7.06	

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$

0805-1680

Scale = .375" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESI 1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WCA (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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPECIFICATION) AND THE CONNECTOR PLATES ARE MADE OF 2010/1866 (0.4% YIELD) 45TH 4653 GRADE 40/60 (0.4% YIELD) ALPINE PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 2-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THE 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/TP1 1 SEC. 2.



FL Certificate of Authorization # 567

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

SPACING 24.0"

Oct 11 '05

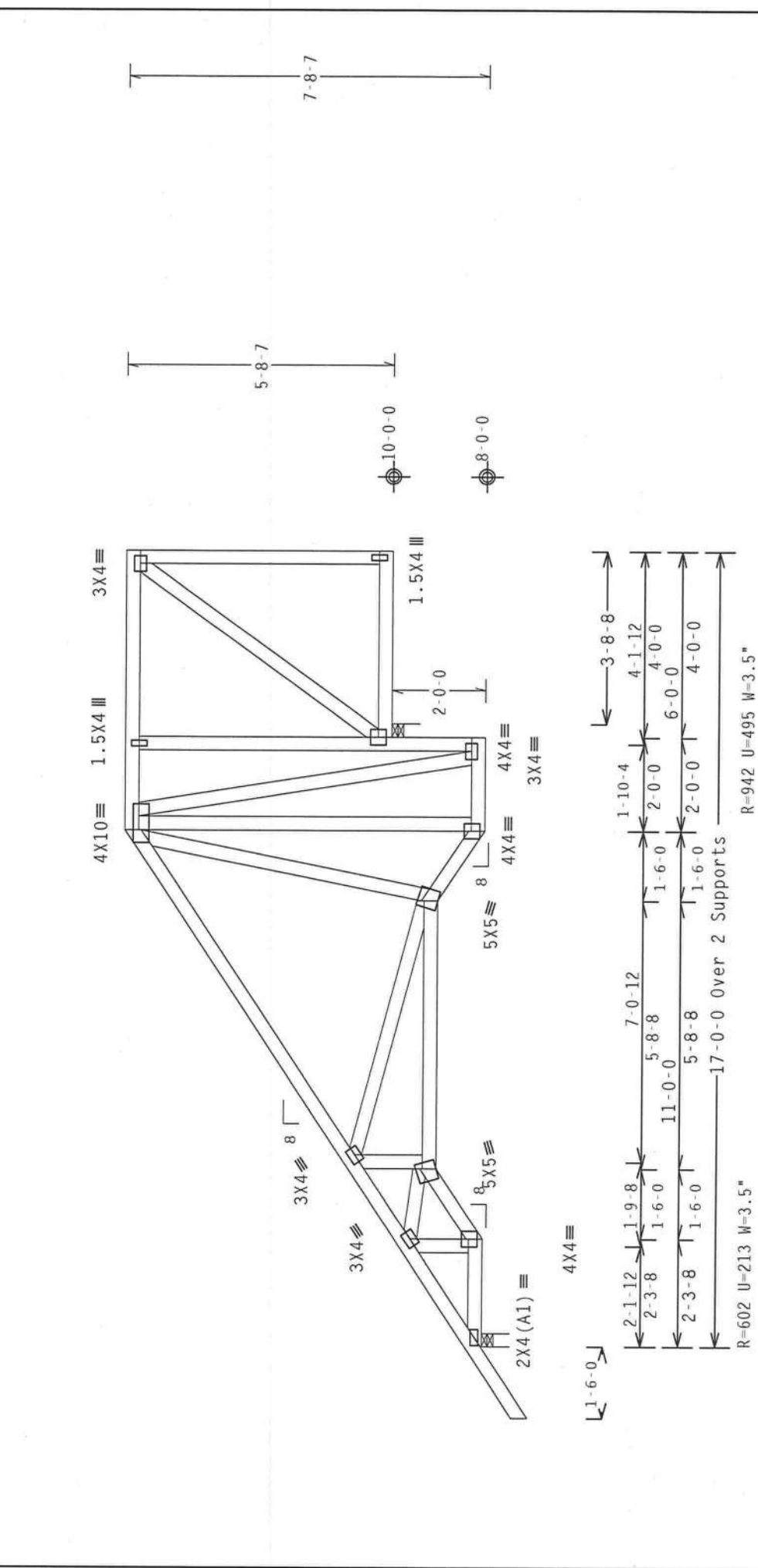
JREF- 1SR7487 Z02

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

110 mph wind, 11.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

Right end vertical not exposed to wind pressure.

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.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0805

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R487 -- 39957
TC DL	10.0 PSF	DATE	10/11/05
BC DL	10.0 PSF	DRW	HCUSR487 05284007
BC LL	0.0 PSF	HC-ENG	DF/ADR
TOT.LD.	40.0 PSF	SEQN	42795
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SR7487 702

Oct 11 05

ALPINE
Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

FLORIDA PROFESSIONAL ENGINEER
No. 58764
DENISE RUTLEDGE
LICENSE

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 593 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719), AND MTCA (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.

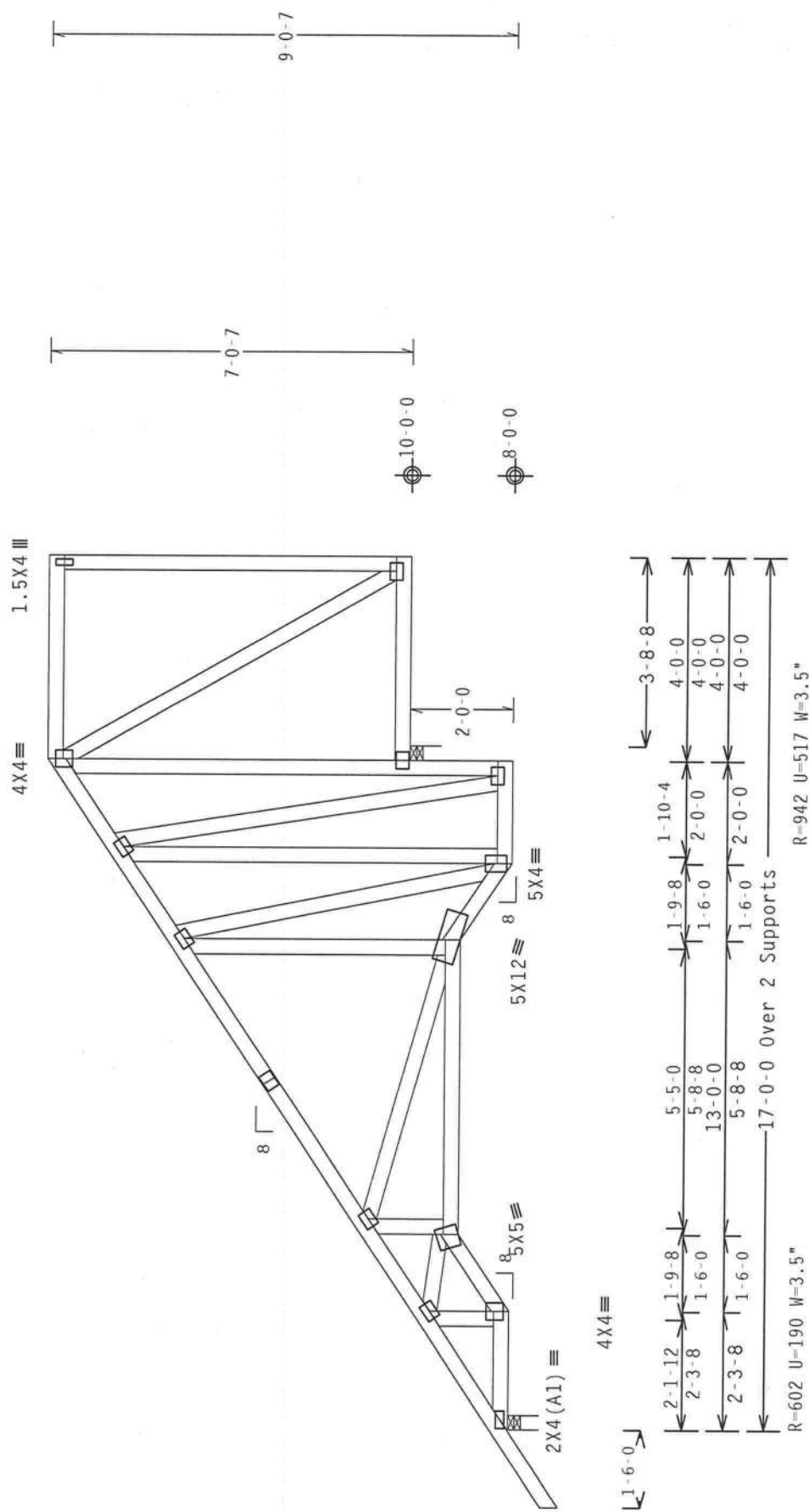
****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS COMPONENTS IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE 2001 INTERNATIONAL BUILDING CODE. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (20-H/18-V/16-H) ASTM A653 GR 40. ALPINE CONNECTOR PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS AND 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-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.

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

110 mph wind, 12.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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.

Right end vertical not exposed to wind pressure.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

FI-2002 (SID) / FBC
Cq/RT=1 00 (1 25) / 10 (0) 7 04 0805

OTV. 1

FI / 1A / 1B /

Scale = .3125"/Ft.

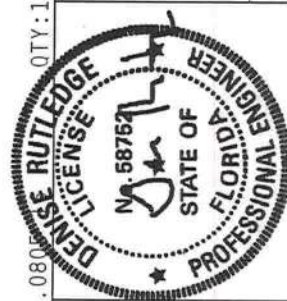
****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLEA INSTITUTE, 583 WEST 10TH AVE., SUITE 200, MADISON, WI 53719) AND WTC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PAISLS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID GULLING.

**** IMPORTANT **** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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 & DRACING OF TRUSSES, CONNECTOR PLATES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPECIFICATION) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS MEMBERS LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2, 200/1916GA (20/195) ASTH A563 GRADE 40/60 (N. K/H-S) GALV. STEEL. ANY INSPECTION OF PLATES FOLLOWED BY (1) SMALL PLATES LOCATED ON THIS DESIGN PER DRAWINGS 160A-2, 200/1916GA (20/195) ASTH A563 GRADE 40/60 (N. K/H-S) GALV. STEEL. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

James City, FL 33844
FL Certificate of Authorization # 567



Oct 11 '05

REF- 1SR7487 702

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

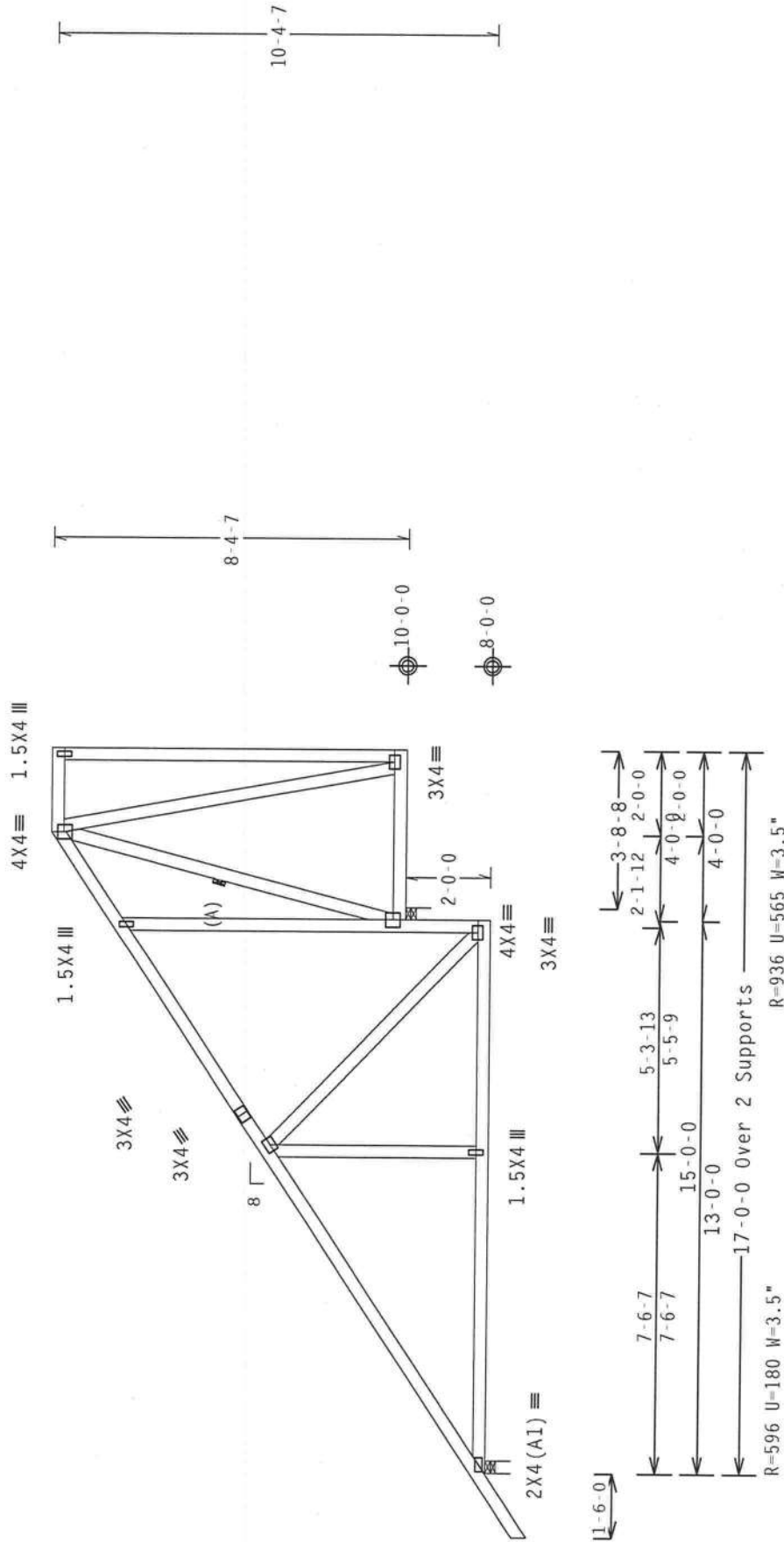
110 mph wind, 12.87 ft mean ht., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

(A) Continuous lateral bracing equally spaced on member. Or 1x4 #3 or better "I" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Right end vertical not exposed to wind pressure.

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.



Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0) \quad 7 \ 04 \ 0805$

QTY:2 FL/-/4/-/-/R/-

Scale = .25"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BESS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 5403 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6000 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 PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS AND PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE PROVISIONS OF THIS DESIGN, INCLUDING FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TROUSSES, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. PROVIDIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/SEA) AND TPI ALPINE CONNECTOR PLATES ARE MADE UP OF 201-T3 ALUMINUM. GALVA STEEL APPLIED TO EACH FACE OF TROUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION, OR PLATES TO EACH FACE OF TROUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION, OR ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-1-2002 SECTION 3. THE FOLLOWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNING. THE USE OF THIS CONHENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX A OF TPI-1-2002 SECTION 3.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

FL Certificate of Authorization # S67



Oct 11 11:05 AM

TC LL	20.0	PSF	REF R487--	39959
TC DL	10.0	PSF	DATE	10/11/05
BC DL	10.0	PSF	DRW	HCUSR487 05284009
BC LL	0.0	PSF	HC-ENG DF/ADR	*
TOT.LD.	40.0	PSF	SEQN-	42875
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1SR7487 702

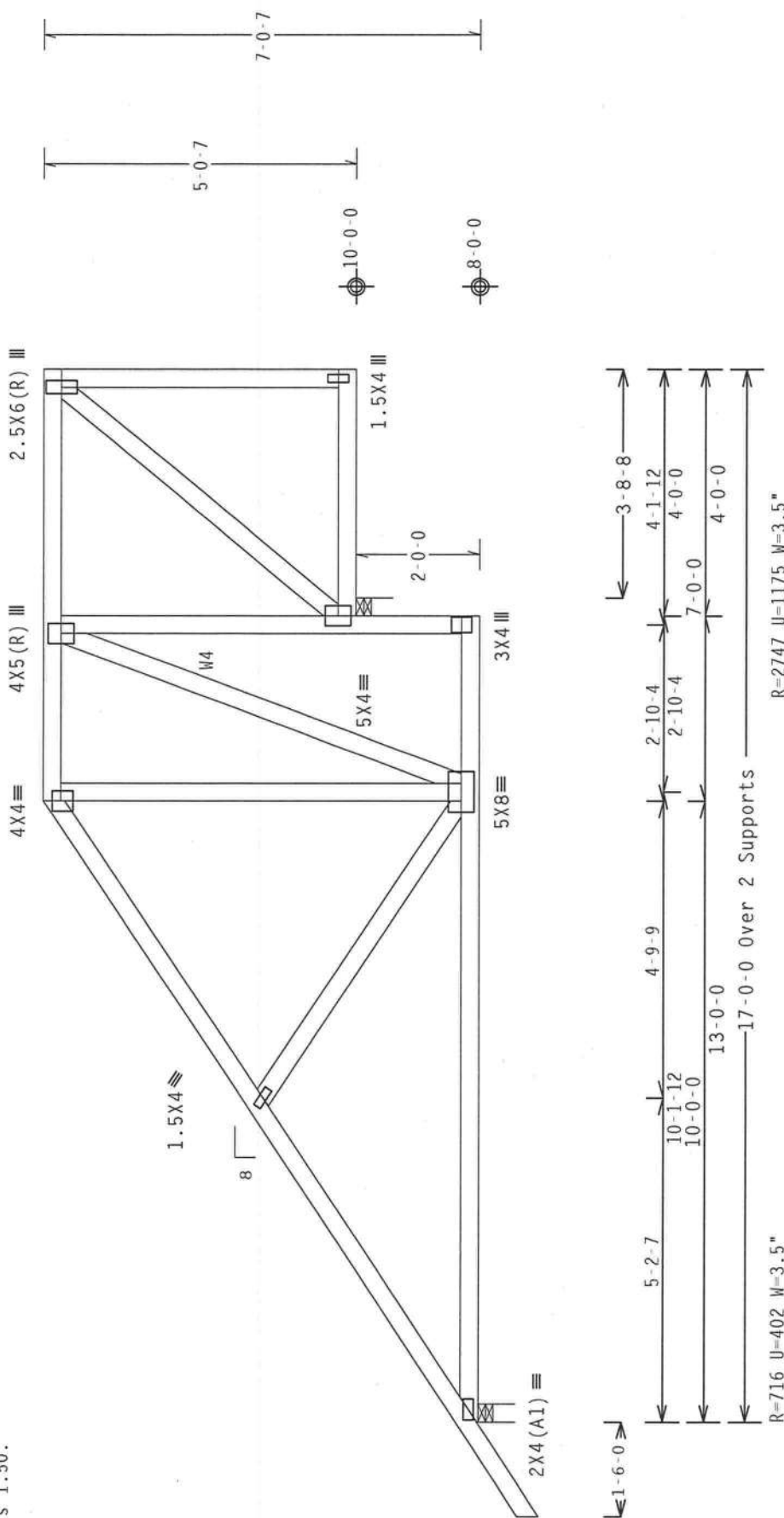
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

Right end vertical not exposed to wind pressure. Calculated horizontal deflection is 0.10" due to live load and 0.22" due to dead load.

#1 hip supports 10-0-0 jacks with no webs.
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.



PLT TYP. Wave

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO CSI 1-800-487-6398 (FOLLOWING COMPANY WEBSITE FOR ADDITIONAL INFORMATION), PUBLISHED BY TPI (TRUSS PLAN INSTITUTE, 5833 DUNWOODY DR., SUITE 200, WOODBRIDGE, VA 22191) AND CSBP (COUNCIL OF SPECIALTY BUILDERS OF AMERICA, 6300 ENTERPRISE LN., DUNWOODY, VA 22191) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE CONNECTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD STRINGER.	TC LL 20.0 PSF	REF R487 - - 39960
	TC DL 10.0 PSF	DATE 10/11/05

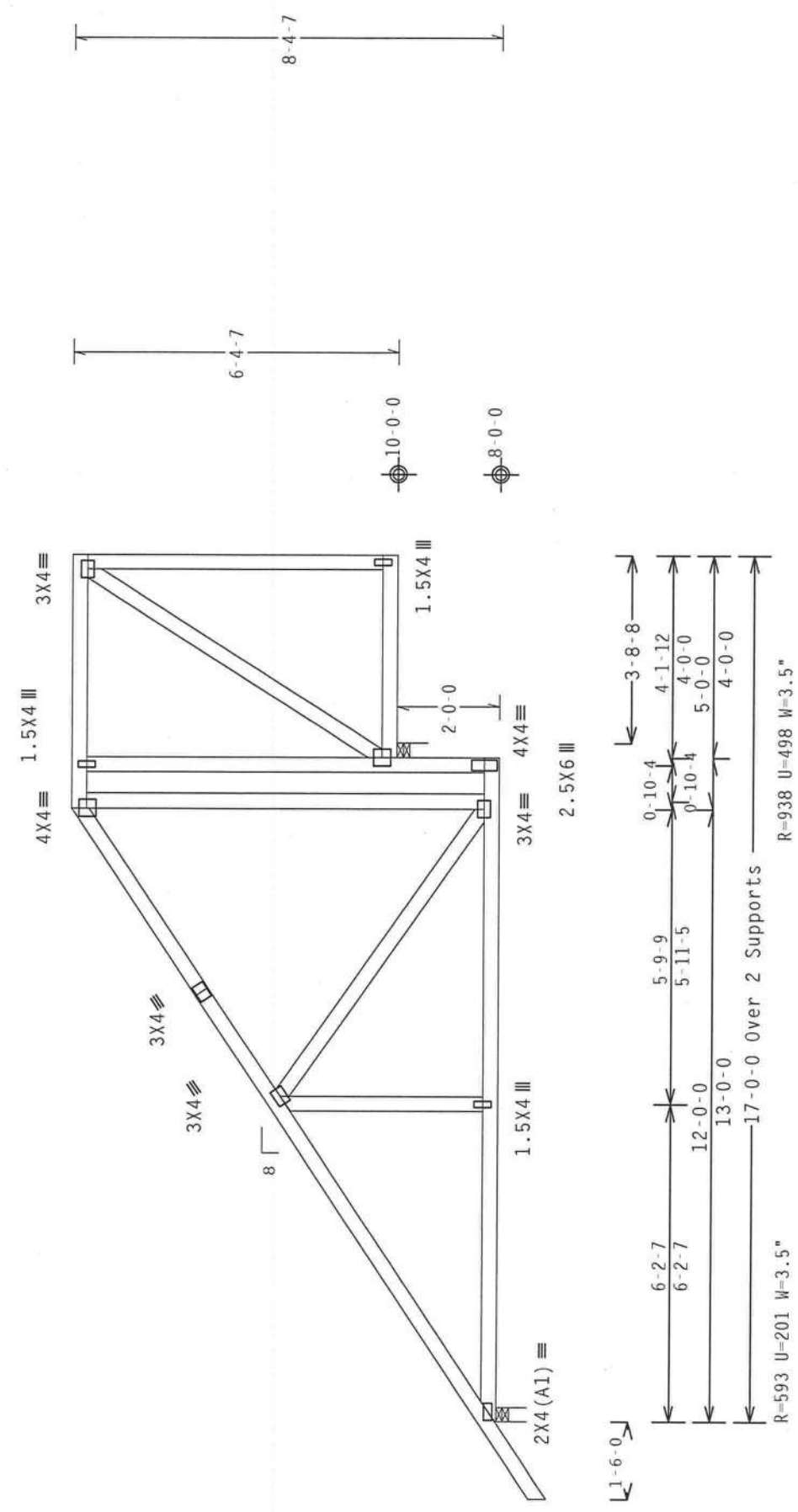
ALPINE	**IMPORTANT** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY APA) AND TP1.		BC LL 10.0 PSF	DKW HCUK48 / 052840
	PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2.		HC-ENG DF / ADR	
	ANY INSPECTION OF PLATES FOLLOWED BY () SHALL BE PER AREA A3 OF TP11-2002 SEC.3.		SEQN- 42864	
	DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THE BUILDING. DESIGNER PER AH51(TP1) 1 SEC.2.		TOT.LD. 40.0 PSF	
	A SEAL ON THIS		DUR.FAC. 1.25	
Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844			SPACING SEE ABOVE	
			OCT 11 2005	

Haines City, FL 33844 Building Designer per ANSI/PP1 1 SEC. 2. Certificate of Authorization # 567	Oct 11 '05 SPACING SEE ABOVE JREF- 1SR7487 Z02
---	--

110 mph wind, 11.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

Right end vertical not exposed to wind pressure.

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.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.080

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

TC LL	20.0 PSF	REF R487 --	39961
TC DL	10.0 PSF	DATE	10/11/05
BC DL	10.0 PSF	DRW	HCUSR487 05284010
BC LL	0.0 PSF	HC-ENG DF/ADR	*
TOT.LD.	40.0 PSF	SEQN-	42853
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SR7487_Z02

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

ALPINE ENGINEERED PRODUCTS, INC.
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Oct 11 '05

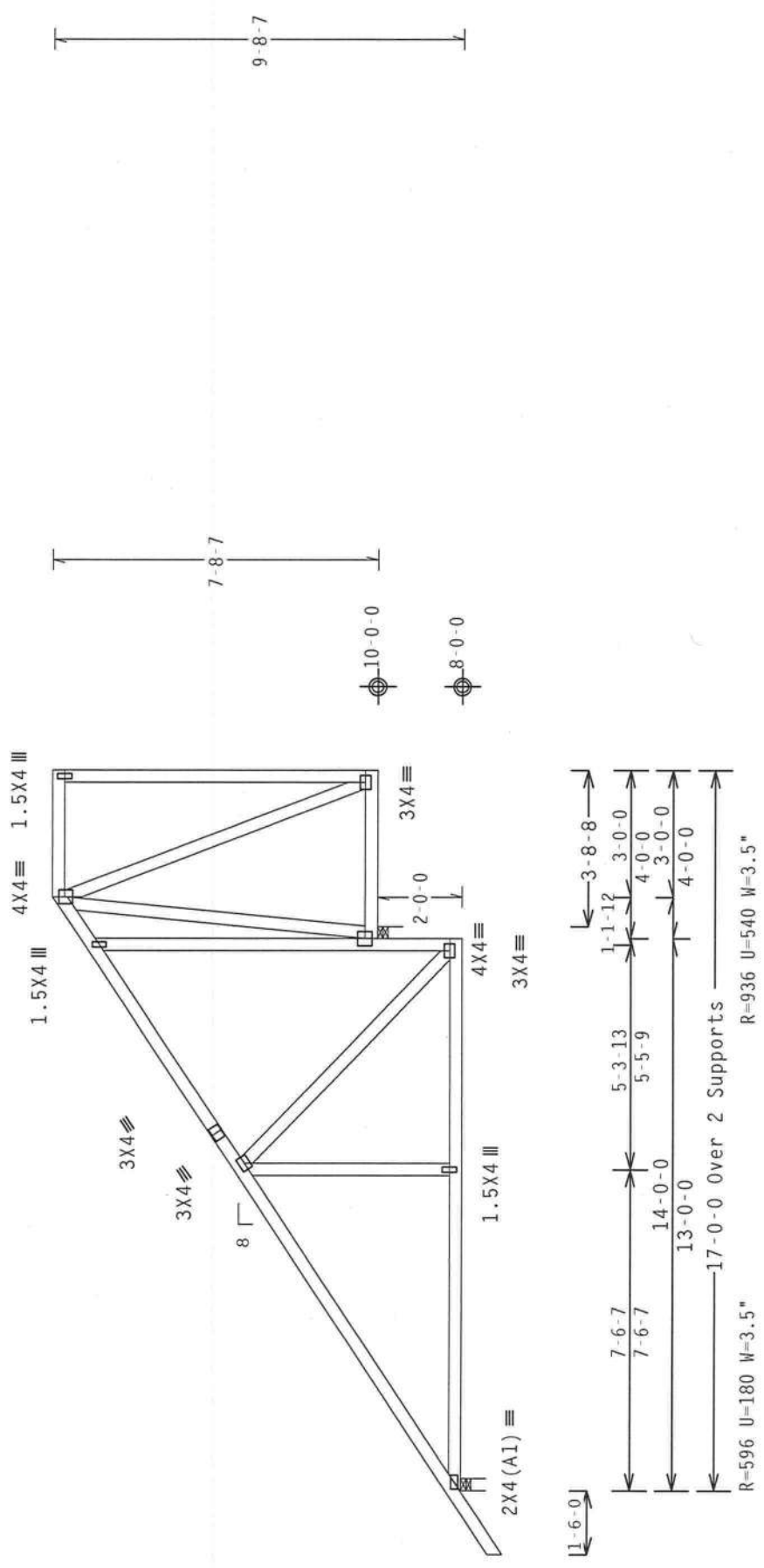
ALPINE ENGINEERED PRODUCTS, INC.
SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING THE TRUSS SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. **WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING. REFER TO BC51 1.03 BUILDING COMPONENT SAFETY, AND WCA (WOOD TRUSS) TRUSS MANUFACTURING, 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. 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. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W, H/2/P) ASTM A653 GRADE 40/60 (H, R/H, S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. A SEAL ON THIS 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.

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

110 mph wind, 12.54 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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.

Design Crit: TPI-2002(STD)/FBC
C_g/RT=1.00(1.25)/

0805

QTY:1

FL/-/4/-/-/R/-/

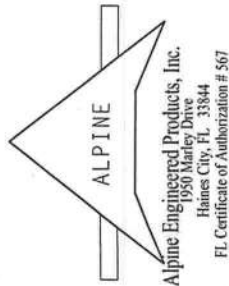
Scale = .25"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BC51-103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 583 D-OFFSHORE DR., SUITE 200, MADISON, WI 53719) AND WTA (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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS AS SHOWN OR FOR ANY DAMAGE DURING FABRICATING, TRANSPORTING AND/OR INSTALLING A REACHING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE AISC STEEL EDITION, SIGNIFICANTLY DIFFERS FROM THE DESIGN SHOWN.

CONNECTOR PLATES ARE MADE OF 20/18/TIGER (9-1/2"x2") ASTM A575 GRADE 40/60 (R F.W.S.) GALV. STEEL, APPLIED TO EACH FACE OF TRUSS AND, ALLOWING A MINIMUM OF 1/2" OVERLAP PER DRAININGS 160A-2.

IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 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/TP1 1 SEC. 2.



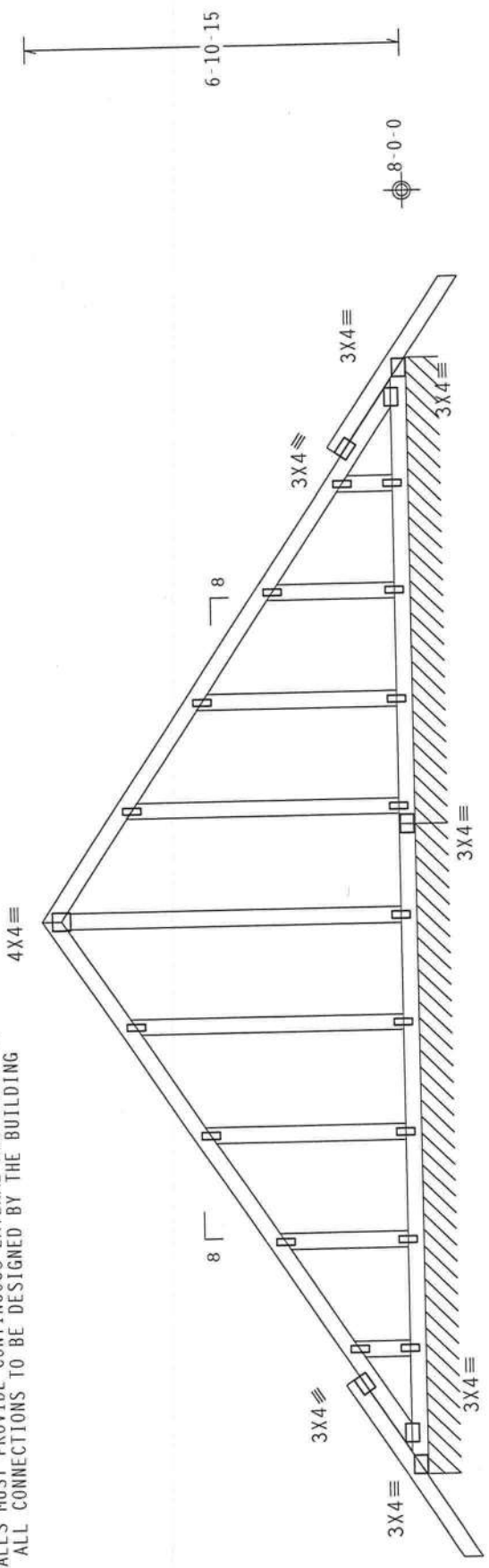
FL Certificate of Authorization # 567

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

SPECIAL LOADS

TC - From	DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25
TC - From	85 PLF at 10.33
TC - From	85 PLF at 22.17
BC - From	5 PLF at 0.00
BC - From	20 PLF at 20.67
BC - From	5 PLF at 22.17

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, 11.14 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

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

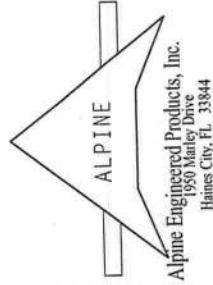
Note: All Plates Are 1.5x4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0805



QTY: 1	FL/-14/-1-/R/-	Scale = .3125"/Ft.
TC LL	20.0 PSF	REF R487 -- 39963
TC DL	10.0 PSF	DATE 10/11/05
BC DL	10.0 PSF	DRW HCUSR487 05284028
BC LL	0.0 PSF	HC-ENG DF/ADR
TOT.LD.	40.0 PSF	SEQN- 42630 REV
DUR.FAC.	1.25	SPACING SEE ABOVE
JREF	1SR7487_Z02	

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO TPI-2002 (STD) (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 HUNTER RD, SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 INTERSTATE 40, SUITE 100, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE NOTED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

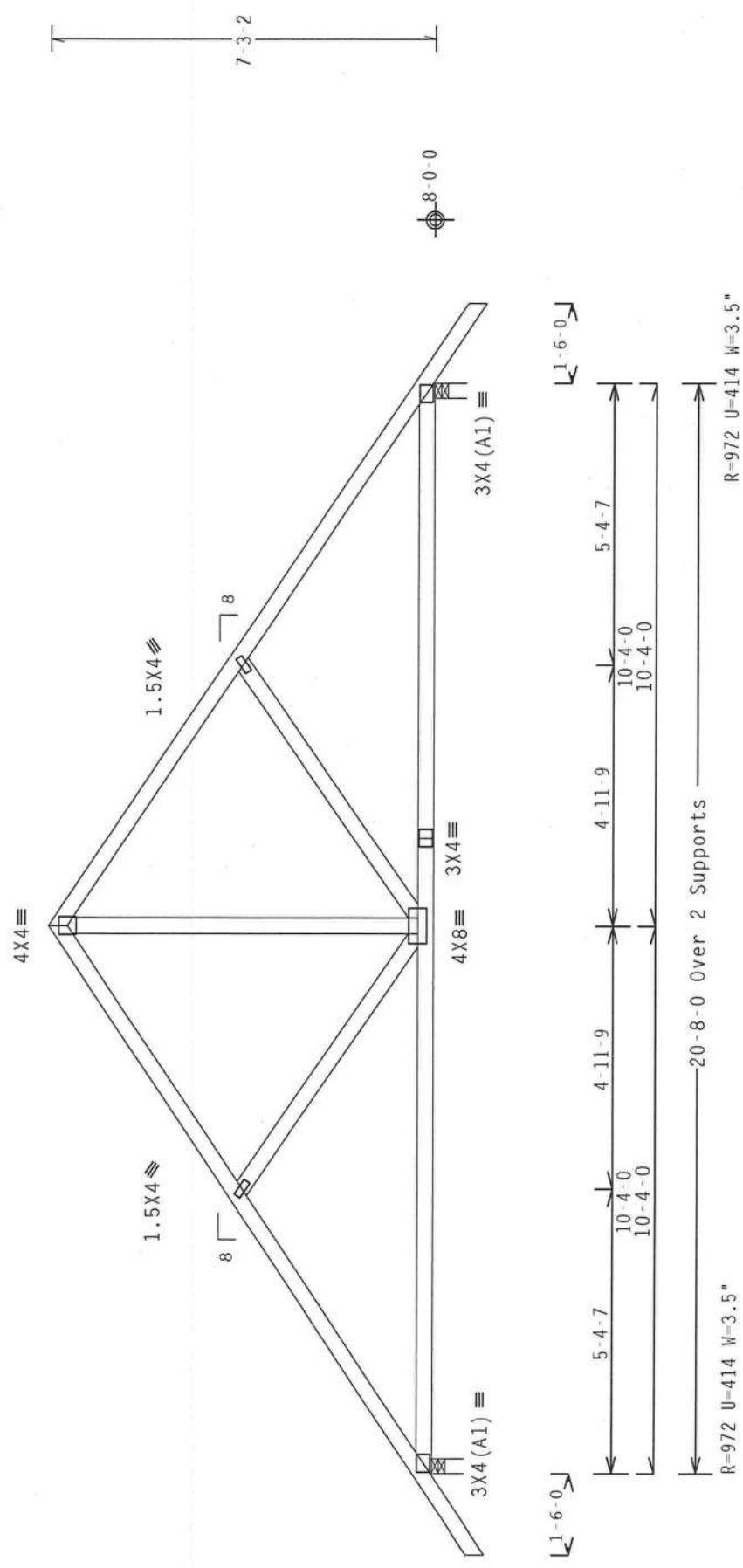
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 (STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (STEEL CONSTRUCTION MANUAL, 13TH EDITION, 1989) AND AISC (DESIGN SPEC. FOR STEEL CONNECTOR PLATES ARE MADE OF 20/18/16GA (40/60 (4, 8/16, 5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLACEMENT OF TRUSSES SHALL BE PERFORMED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

110 mph wind, 11.32 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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



PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0805

Scale = .3125"/Ft.

QTY: 9 FL/-/4/-/R/-

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"

0ct 11 05

ALPINE
Engineered Products, Inc.
1950 Mayday Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

Denise Rutledge
LICENSE
No. 58754
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

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

2 COMPLETE TRUSSES REQUIRED

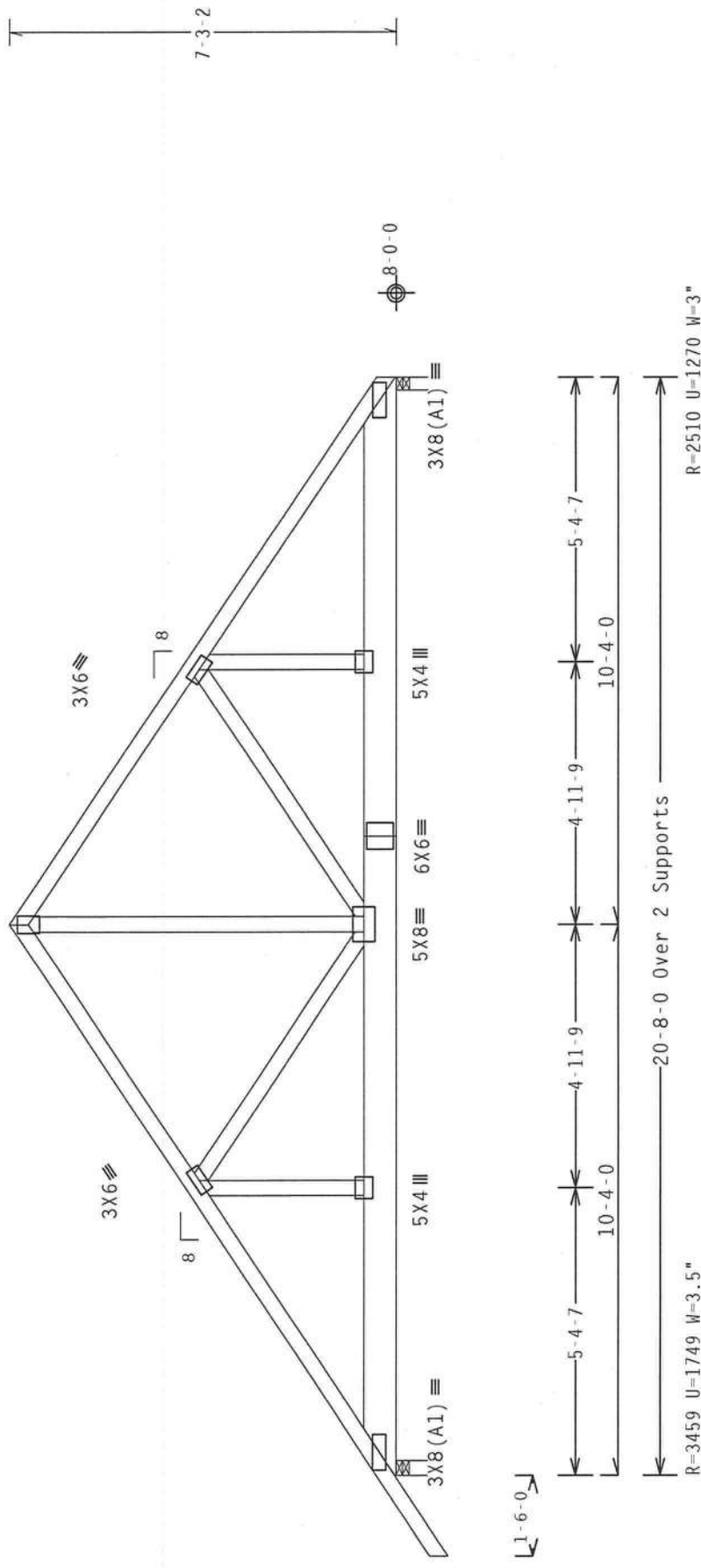
Nailing Schedule: (10d Common (0.148"x3", min.)_nails)
 Top Chord: 1 Row @12.00" o.c.
 Bot Chord: 1 Row @ 5.25" o.c.
 Webs : 1 Row @ 4" o.c.
 Use equal spacing between rows and stagger nails
 in each row to avoid splitting.

110 mph wind, 11.32 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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

SPECIAL LOADS

ST. CONTROL	-----	(LUMBER DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25)
TC	- From	64 PLF at -1.50 to 64 PLF at 20.67
BC	- From	5 PLF at -1.50 to 5 PLF at 0.00
BC	- From	20 PLF at 0.00 to 20 PLF at 8.00
BC	- From	530 PLF at 8.00 to 530 PLF at 11.67
BC	- From	20 PLF at 11.67 to 20 PLF at 20.67
BC	- 2259 LB Conc.	Load at 7.00



P=3450 II=1740 W=35

-20-8-0 Over 2 Supports

R=2510 U=1270 W=3"

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$ 7.04.080

Scale = .3125"/Ft.

QTY:1 FL/-/4/-/-/R/-/-

080516 RU7

$$)/10(0)$$
 $Cq/RT=1.00$ 5
=
7
-
2
3
2
2
2

YP. Wave

9

***WARNING:** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRACING. REFER TO RC51-1-003 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI, TRUSS PLATE INSTITUTE, 583 MADISON DR., SUITE 200, MADISON, MI 48219, AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), 500 NORTH ZEEB RD., MADISON, MI 48219, 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 TOP CHORD STRING.

IMPORTANT—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE FABRICATING, HANDLING, ERECTION, OR INSTALLATION INSTRUCTIONS, OR THE CONNECTION PLATES ARE MADE OF 2010/16GA. 48 IN/54 IN ASTM A563 GRADE 40/60 (IN. 48 IN. 54 IN) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THE DESIGN PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A.3 OF IPTI-2002 SEC.2-3. 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 ANEX A/IPTI 1 SEC. 2.



Oct 11 '05

RESPONSIBILITY OF THE

IT FOR ANY BUILDING

PL 1 SEC. 2.

DESIGN SHOWN. THE BUILDING DESIGNER PE

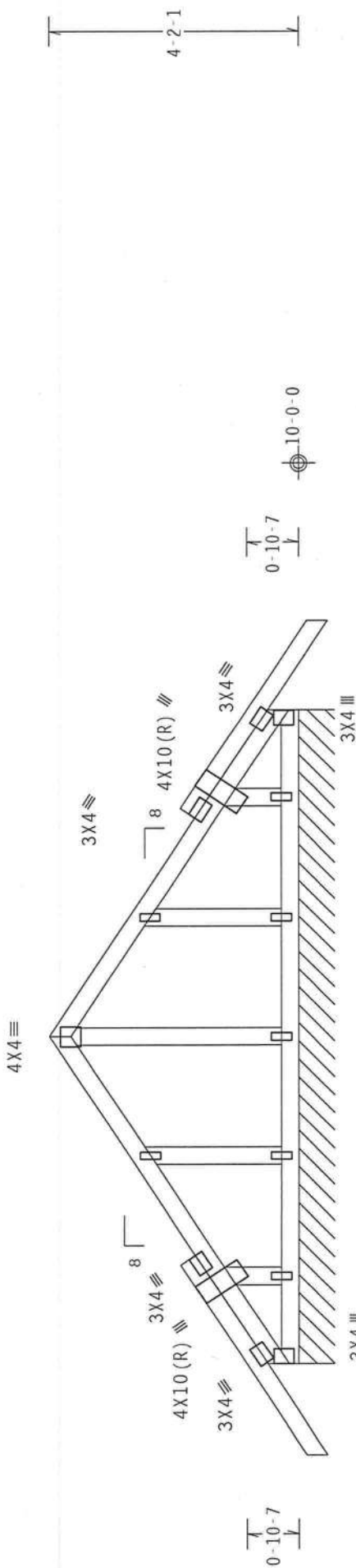
50 Manley Drive
Essex City, FL 33844

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

SPECIAL LOADS

TC	- From	85 PLF at -1.50 to	85 PLF at 12.46
BC	- From	5 PLF at -1.50 to	5 PLF at 0.00
BC	- From	20 PLF at 0.00 to	20 PLF at 10.96
BC	- From	5 PLF at 10.96 to	20 PLF at 10.96
BC	- From	5 PLF at 10.96 to	5 PLF at 12.46

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.



1-6-0
1-9-15
3-7-13
3-7-13
1-9-15
1-6-0
10-11-8 Over Continuous Support
R=130 PLF U=77 PLF W=10-11-8

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002 (STD) / FBC

Cq/RT=1.00(1.25)/10(0)

7.04.080

QTY:1

Scale = .375" / Ft.

Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 10000 W. 10TH AVE., SUITE 100, DENVER, CO 80231, 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. ALPINE ENGINEERED PRODUCTS, 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. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/P) ASTM A653 GRADE 40/50 (4, K/H.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI-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 ASHRAE/TPI 1 SEC. 2.

Oct 11 '05

TC LL	20.0 PSF	FL / - / 4 / - / R / -	REF	R487 - -	39967
TC DL	10.0 PSF		DATE	10/11/05	
BC DL	10.0 PSF		DRW	HCUSR487	05284029
BC LL	0.0 PSF		HC-ENG	DF / ADR	
TOT.LD.	40.0 PSF		SEQN-	42556	REV
DUR.FAC.	1.25				
SPACING	SEE ABOVE		JREF-	1SR7487_Z02	

1110 mph wind, 12.20 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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



PLT TYP. Wave



ALPINE

Alpine Engineered Products, Inc.
 1930 Manley Drive
 Haines City, FL 33844

Design Crit: TPI-2002 (STD) /FBC

Cq/RT=1.00(1.25)/(10/0) 7.04.0805

QTY: 1 FL/-/4/-/-/R/-

Scale = .375"/Ft.

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 503 D'ONOFIO DR., SUITE 200, MADISON, MI 53719, AND WIGA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, MI 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. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF THUSSES. THE TRUSS SHALL BE PROVIDED WITH PROPERLY ATTACHED TOP CHORDS AND BOTTOM CHORDS. ALL TRUSS CONNECTOR PLATES ARE MADE OF 20/18/16GA. (H/2X20) ASTM A563 GRADE 40/50 (H/ K/H-S) GALV. STEEL. APPLIC. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PER ANNEX A.3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF		QTY: 1	FL/-/4/-/-/R/-	Scale = .375"/Ft.
TC DL	10.0 PSF				REF R487 - - 39968
BC DL	10.0 PSF				DATE 10/11/05
BC LL	0.0 PSF				DRW HCUSR487 0528403
TOT.LD.	40.0 PSF				HC-ENG DF/ADR
DUR.FAC.	1.25			SEQN- 42550	
SPACING	24"				JREF- 1SR7487 702

Oct 11 '05

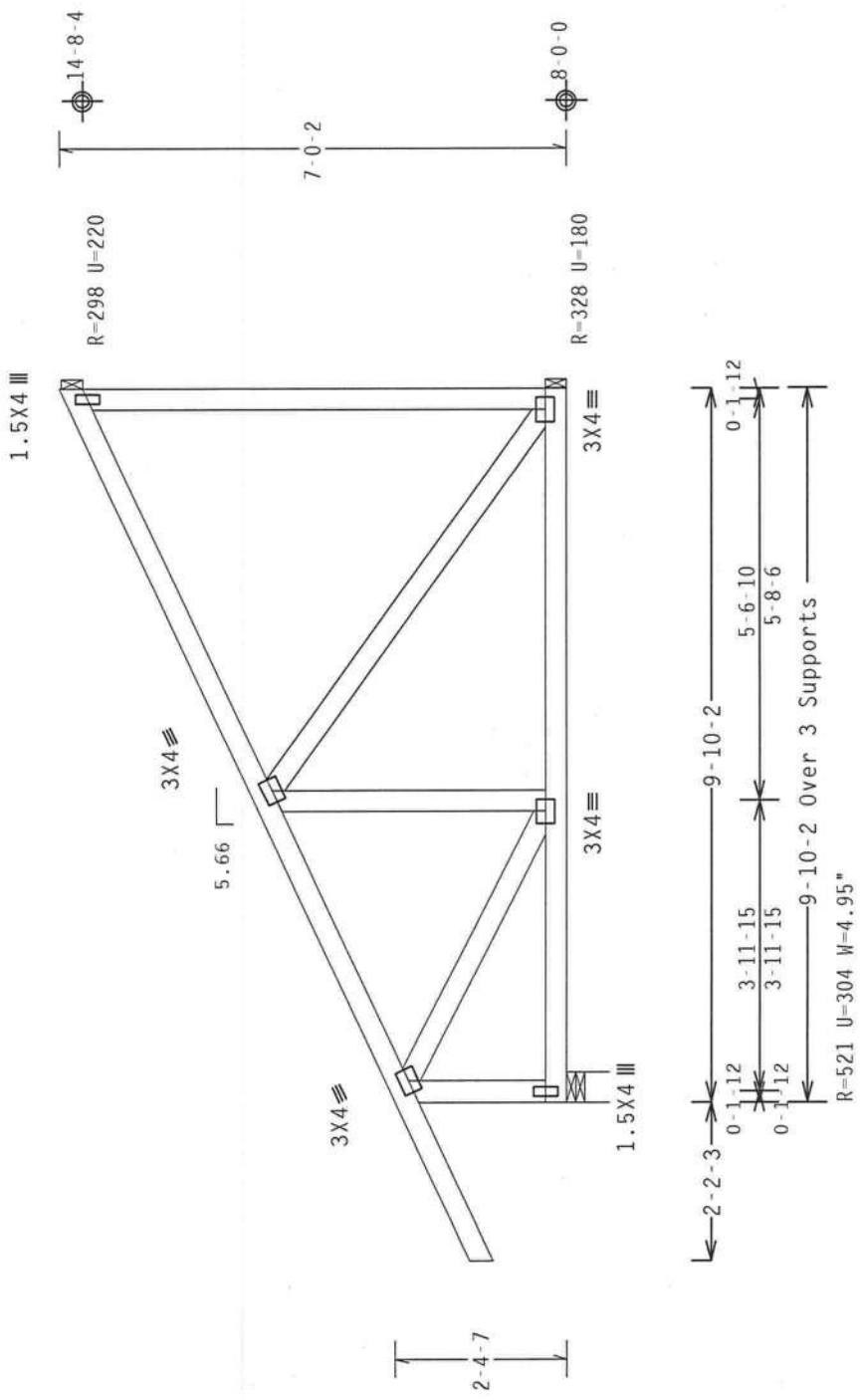
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg., Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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

Hipjack supports 6-11-8 setback jacks with no webs.

Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



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

QTY:1	FL/-/4/-/-/R/-	Scale =.375"/Ft.
TC LL	20.0 PSF	REF R487-- 39969
TC DL	10.0 PSF	DATE 10/11/05
BC DL	10.0 PSF	DRW HCUSR487 05284031
BC LL	0.0 PSF	HC-ENG DF/ADR
TOT.LD.	40.0 PSF	SEQN- 43113
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1SR7487_Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 503 O'CONNOR DR., SUITE 200, MADISON, WI 53719) AND WCA (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**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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 AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (N.H/S/A) ASH A653 GRADE 40/60 (N. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. 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.

Alpine Engineered Products, Inc.
Hanes City, FL 33844
FL Certificate of Authorization # 567

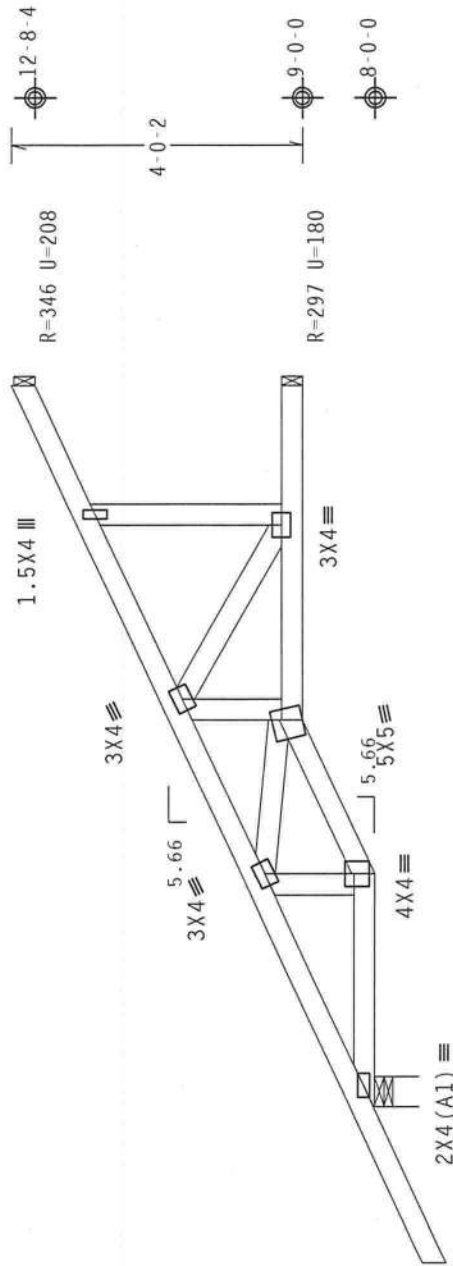
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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



←2-1-7→

←3-2-2→ ←2-1-7→ ←2-10-1→ ←1-9-3→

←3-2-2→ ←2-1-7→ ←4-7-3→

←9-10-13 Over 3 Supports→

R=463 U=269 W=4.95"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.04.0800

QTY:1

FL/-/4/-/-/R/-

Scale =.375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 O'DONOHIO DR., SUITE 200, MADISON, WI 53719) AND WCA (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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, 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 AFAPA) AND TPI. APPLICABLE CONNECTOR PLATES ARE MADE OF 2018/16GA (0.0156") ASTM A553 GRADE 40/60 (0. K/PLS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. 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.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



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	SEE ABOVE

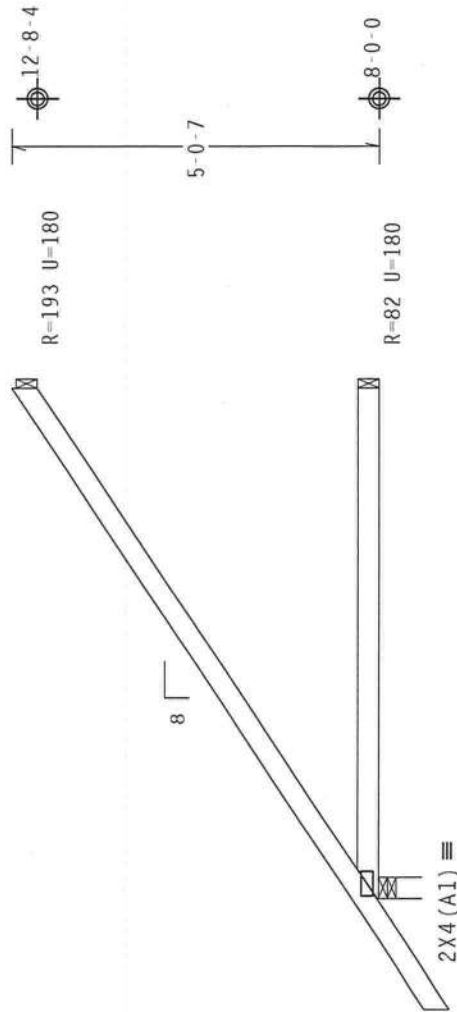
REF	R487 -- 39970
DATE	10/11/05
DRW	HCUSR487 05284032
HC-ENG	DF/ADR
SEQN	42747
JREF	1SR7487_Z02

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, 10.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



L=1-6-0

7-0-0
7-0-0 Over 3 Supports
R=417 U=180 W=3.5"

PLT TYP. Wave
Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0805 QTY:13 FL/-/4/-/-/R/- Scale =.375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719), AND MTCA (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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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. ALPINE CORRELATOR PLATES ARE MADE OF 2018/106A (4, H/5/16) ASH A663 GRADE 40/60 (4, 6/16.5) GALV. STEEL. APPLY CORRELATOR PLATES TO ALL JOINTS. THESE TRUSSES ARE LOCATED ON A RESIDENTIAL PROJECT. THE DESIGNER HAS CONDUCTED VISUAL INSPECTION OF PLATES FOLLOWED BY VISUAL INSPECTION OF THE TRUSS COMPONENTS. THE 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.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



Oct 11 2009

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	R487 -- 39971
DATE	10/11/05
DRW	HCUSR487 05284033
HC-ENG	DF/ADR
SEQN	42636
JREF	1SR7487_Z02

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

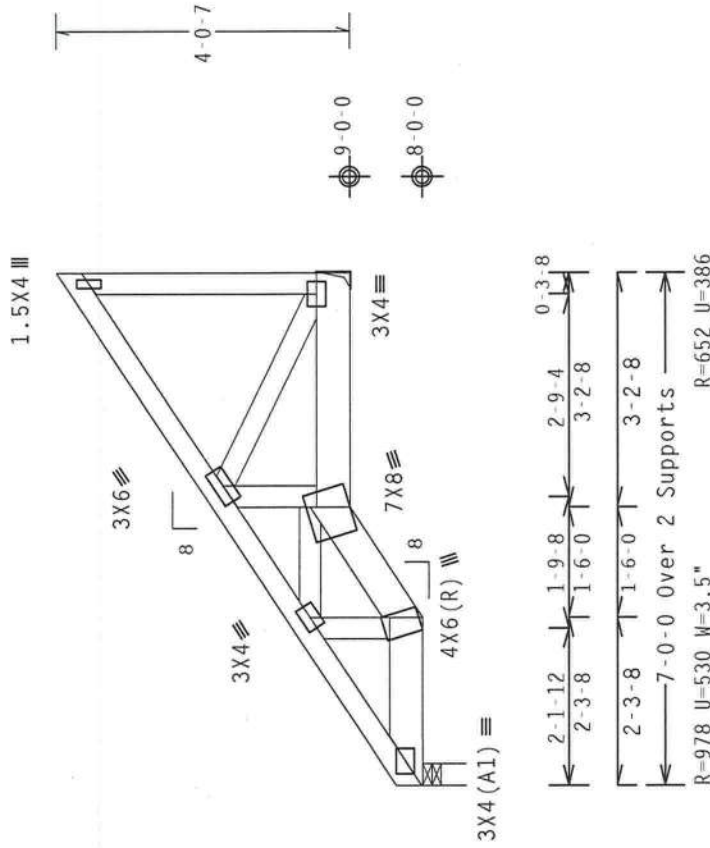
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 7.00
BC - From 20 PLF at 0.00 to 20 PLF at 2.29
BC - From 24 PLF at 2.29 to 24 PLF at 3.79
BC - From 20 PLF at 3.79 to 20 PLF at 7.00
BC - 444 LB Conc. Load at 1.13
BC - 452 LB Conc. Load at 3.06
BC - 139 LB Conc. Load at 5.06

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002 (STD) / FBC

PLT TYP. Wave

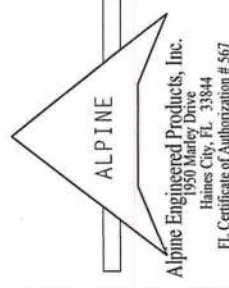
Cq/RT=1.00(1.25)/10(0) 7.04.0800

QTY:1 FL/-/4/-/R/-

Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 D'ORFORD DR., SUITE 200, MADISON, WI 53719, AND HTCA (4000 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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, 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 AIA/P) AND TPI. ALPINE CORRECTION PLATES ARE MADE OF 2018/18/18GA (24/18/18) ALUMINUM. THIS DESIGN IS FOR PERMANENT INSTALLATION ONLY. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A3 OF TPI-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.



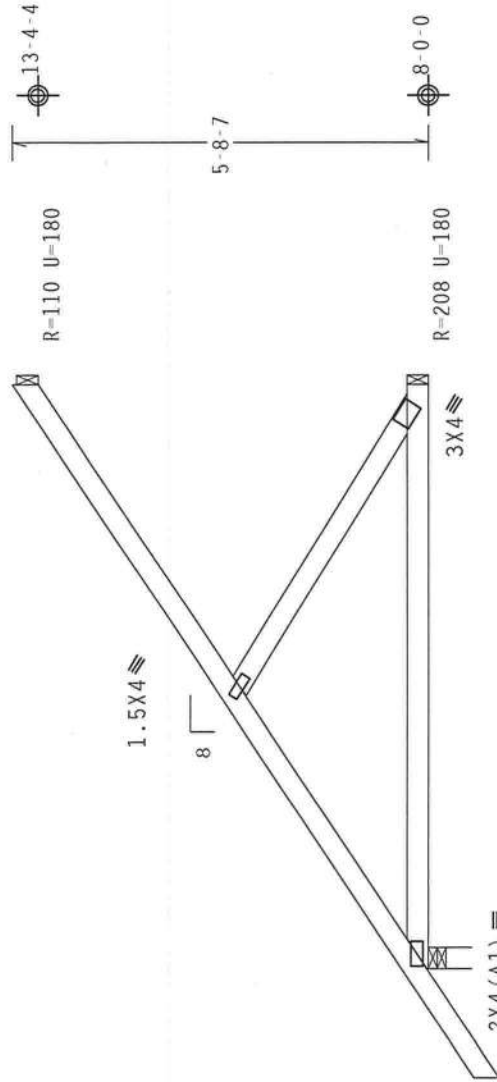
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R487--	39972
DATE	10/11/05	
DRW	HCUSR487	05284044
HC-ENG	DF/ADR	
SEQN	42772	
JREF	1SR7487_Z02	

110 mph wind, 10.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



7-6-07

Diagram of a continuous beam with three supports. The beam is divided into four spans: 3-10-6, 7-7-3, 4-1-10, and 0-4-3. The first span is labeled "8-0-0 Over 3 Supports". Below the beam, the values $R=457$, $U=185$, and $W=3.5$ are given.

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

5080

QTY:1 FL/-/4/-/-/R/-

Scale = .375"/Ft.

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"

****WARNING**** TRUSSES ROUTINE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO RES-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSSING PLATE INSTITUTE, 1800 OBERLIN DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO TRUSSING 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. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE DESIGN CONFORMS WITH THE PROVISIONS OF NATIONAL DESIGN SPEC. INSTALLING OF THE TRUSSING PLATE AND THE CONNECTOR PLATES ARE MADE TO THE PROVISIONS OF NATIONAL DESIGN SPEC. INSTALLING OF THE TRUSSING PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 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/TP1 1 SEC. 2.

ALPINE

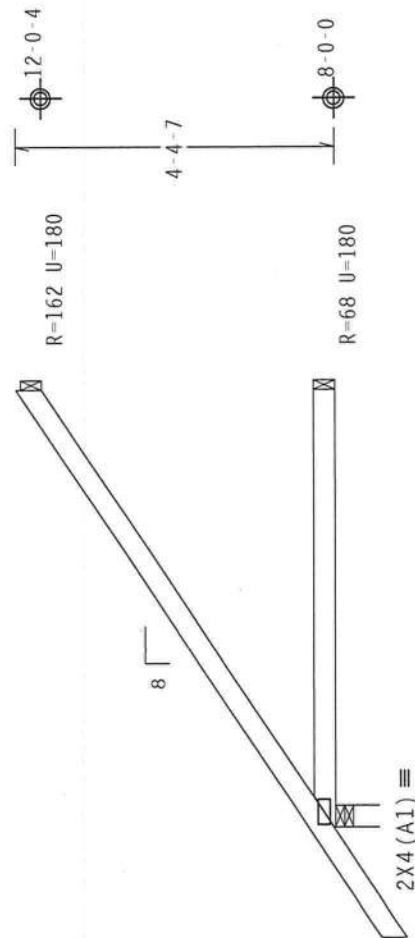
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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

110 mph wind, 9.87 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



7-6-17

6-0-0
6-0-0 Over 3 Supports
P=377 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC
C_a/RT=1.00(1.25)/

305

QTY:1

FL/-/4/-/-/R/-/-

$$\text{Scale} = .375" / \text{Ft.}$$

TC LL	20.0	PSF	REF R487-- 39974
TC DL	10.0	PSF	DATE 10/11/05
BC DL	10.0	PSF	DRW HCUSR487 0528403
BC LL	0.0	PSF	HC-ENG DF/ADR
TOT.LD.	40.0	PSF	SEQN- 42667
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SR7487_202



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN ERECTION, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. FOR MORE INFORMATION, PUBLISHED BY TPI TRUSSING INSTITUTE, 583 NORTH 1000 WEST, SALT LAKE CITY, UT 84143, (801) 486-1000, FAX (801) 486-1001, WWW.TPI-TRUSSING.COM, OR TPI, 1000 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., MADISON, WI 53719, AND WCA, 1000 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO TRUSSING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

[illegible]

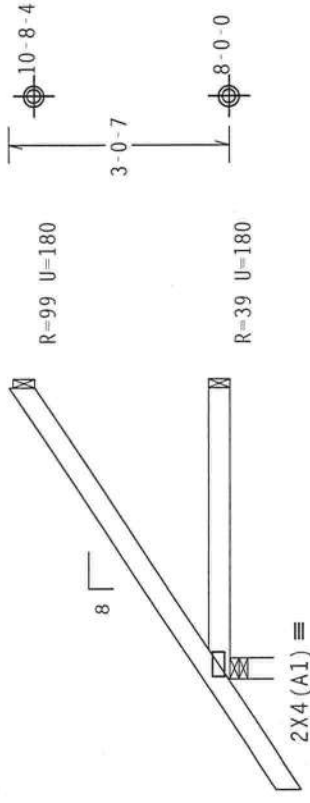
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

FFL Certificate of Authorization # 567

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, 9.20 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



1'-6" 0"

4'-0" Over 3 Supports
R=302 U=180 W=3.5"

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

QTY: 1

Scale = .375"/Ft.

ALPINE Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), FOR THE LATEST PLACEMENT OF PLATES AND BRACING. 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. ALPINE ENGINEERED PRODUCTS, 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. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/10GA (W-H/S/K) ASTM A653 GRADE 40/60 (H. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ABEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.		REF	R487 --	39975	
			DATE	10/11/05		
			DRW	HCUSR487	05284015	
			HC-ENG	DF /ADR	*	
			SEQN -	42660		
			DUR.FAC.	1.25		
				SPACING	24.0"	
				JREF -	1SR7487_Z02	

110 mph wind, 8.70 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

Right end vertical not exposed to wind pressure.

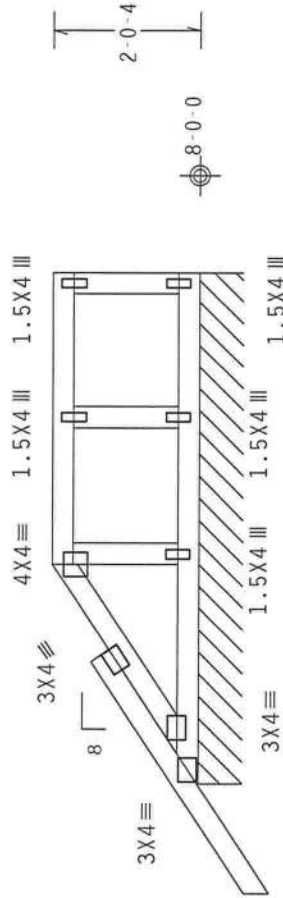
See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

See DWGS A11015EC1103 & GBLLLETIN0405 for more requirements.

SEE PAGE 100 FOR MORE REQUIREMENTS.

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

.06:T SI DP01 DPAN IOI IO3PB1



Scale = 3

100

WARNING
REFER TO BCST

(FABRICATION, HANDLING, SHIPPING INFORMATION) PUBLISHED BY TPI

CONFIDENTIAL

20.0 PSF	DEF
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187--	30076
187--	30076

****IMPORTANT****—TURNISH A COPY OF THIS DESIGN TO THE JOINT PRODUCTS, INC., FURNISH NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM CONFORMANCE WITH TPI:
DESIGNERS IN CONFORMANCE WITH TPI:
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NIOS (NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH) WITH AN APPROVED PLATES TO EACH FACE OF TRUSS AND UNDERSTANDING THAT ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED BY A QUALIFIED PERSONNEL.

[illegible]

TC DL	10.0
BC DL	10.0
BC LL	0.0
TOT.LD.	40.0

PSF	DATE	10
PSF	DRW	HCUSR48
PSF	HC-ENG	DF/
PSF	SEON-	42

/11/05	
7 05284035	
ADR	
654	REV

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT

G RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
NT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE



DUR.FAC.	1.25
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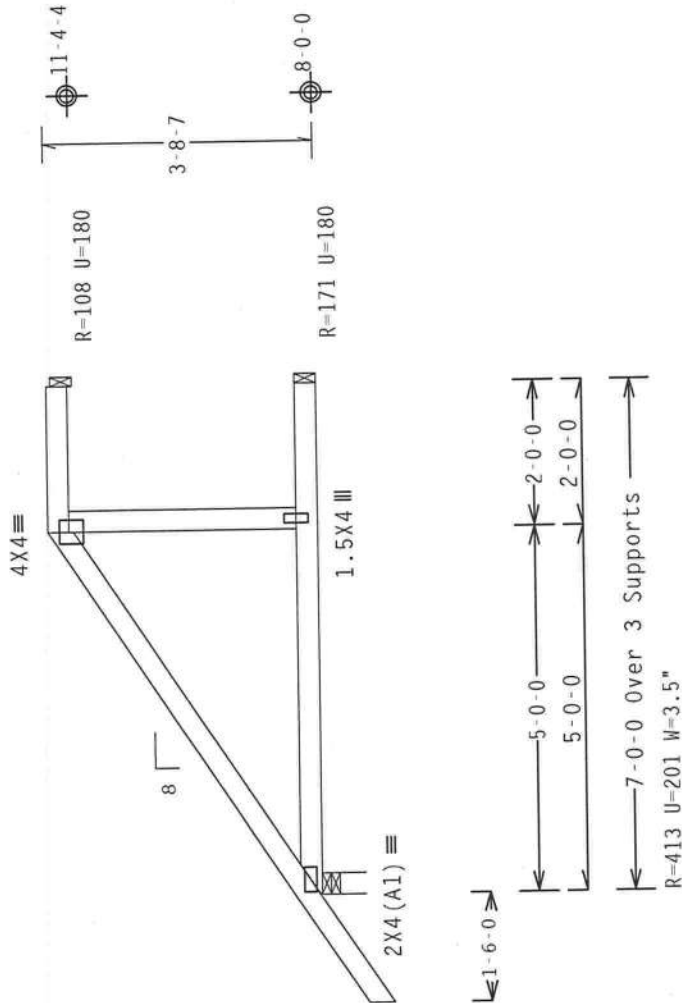
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 9.54 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0
psf.

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)/10(0)

QTY: 1

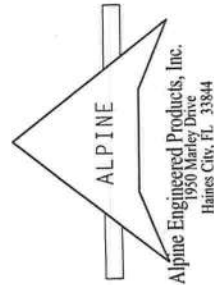
FL/-/4/-/1-R/-

Scale = .375"/Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 HUNTER RD., HUNTER, AL 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LB, HUNTER, AL 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. ALPINE ENGINEERED PRODUCTS, 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 A BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HUD (NATIONAL DESIGN SPEC, BY AREA) AND STEEL. APPLY CONNECTOR PLATES ARE MADE OF 2018/16GA (4-1/2"x8) ASH 6053 GRADE 40 (40ksi) STEEL. POSITION PER DRAWINGS 160A-2. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED, SHALL BE IN ACCORDANCE WITH TPI-2002 SEC. 3. ANY INSPECTION OF PLATES FOLLOWED BY THE INSTALLATION CONTRACTOR SHALL BE A SEAL ON THIS DRAWING INDICATES ACCEPTABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER. SHOWN FOR INFORMATION ONLY. BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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	R487 - 39977
DATE	10/11/05
DRW	HCUSR487 05284016
HC-ENG	DF/ADR
SEQN	42647
JREF	1SR7487_Z02

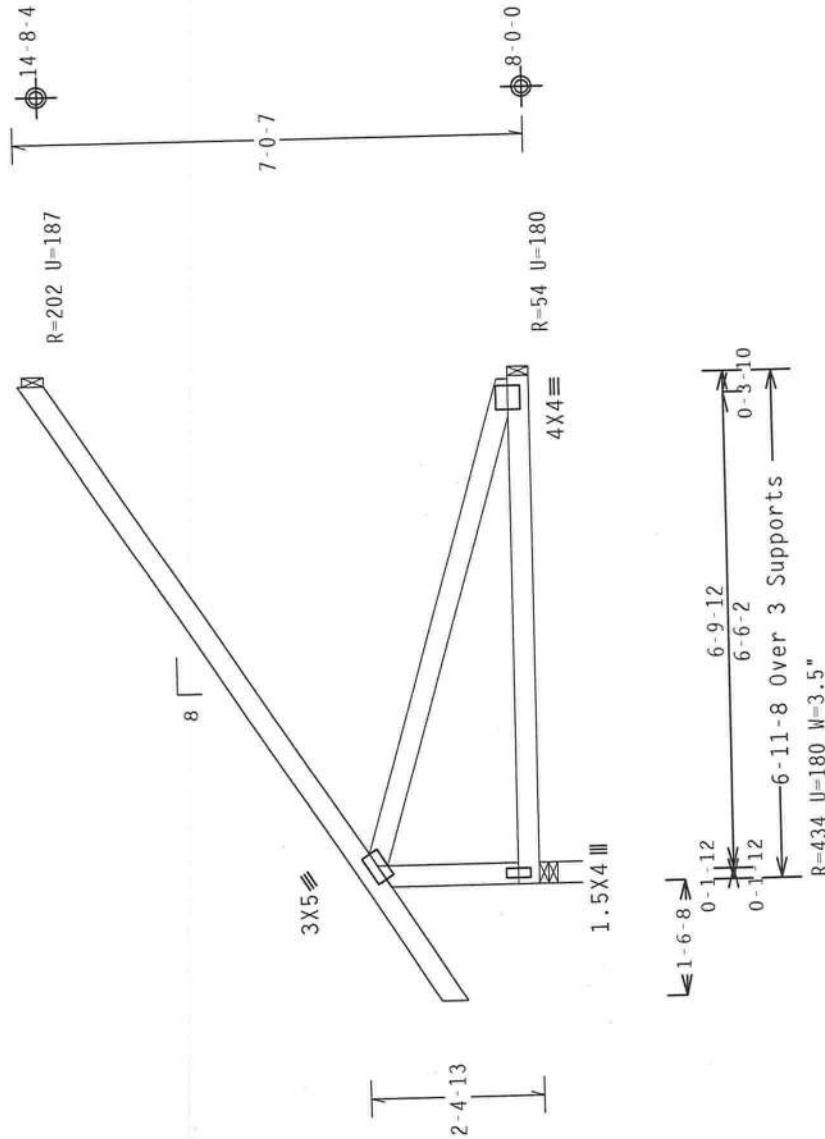
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Provide { 2 } 16d common nails (0.162"x3.5"), toe nailed at Top chord.
Provide { 2 } 16d common nails (0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 12.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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



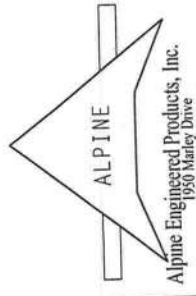
Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

Scale = .375"/Ft.



PLT TYP. Wave



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENTS) AND TPI-2002(STD) FOR TRUSS DESIGN. ANY FAILURE TO FOLLOW THESE INSTRUCTIONS SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. TPI TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SPECIFIC TRUSS TYPES 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. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH TPI-2002(STD) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SPECIFIC TRUSS TYPES 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. ANY INSPECTION OF TRUSS AND, UNLESS OTHERWISE LOCATED AND DESIGNATED, POSITION PER DRAWINGS 160A-Z. 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.

QTY: 2

FL/-/4/-/-/R/-

TC LL	20.0 PSF	REF	R487 - -	39978
TC DL	10.0 PSF	DATE	10/11/05	
BC DL	10.0 PSF	DRW	HCUSR487 05284017	
BC LL	0.0 PSF	HC-ENG	DF/ADR	*
TOT.LD.	40.0 PSF	SEQN-	43085	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SR7487_Z02	

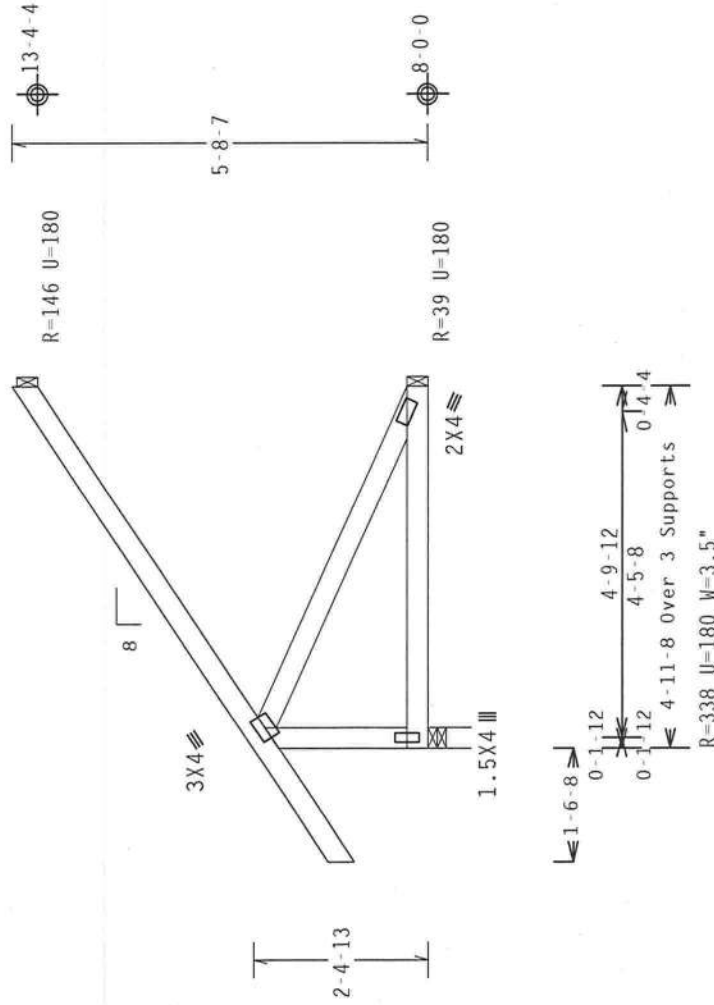
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Provide (2) 16d common nails (0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails (0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 11.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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)/10(0)

PLT TYP. Wave

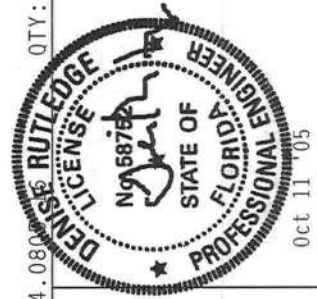
QTY: 1 FL/-/4/-/1-/R/-

Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 593 DUNDRIE DR., SUITE 200, MADISON, WI 53719) AND MICA (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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, 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 AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/19/16GA (24.8/25.7) ASTM A551 GRADE 40/60 (4. K/PLI) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. INSTALL BRACING IN ACCORDANCE WITH TPI. 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.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



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	R487 --	39979
DATE	10/11/05	
DRW	HCUSR487	05284018
HC-ENG	DF/ADR	*
SEQN	43092	
JREF	1SR7487_Z02	

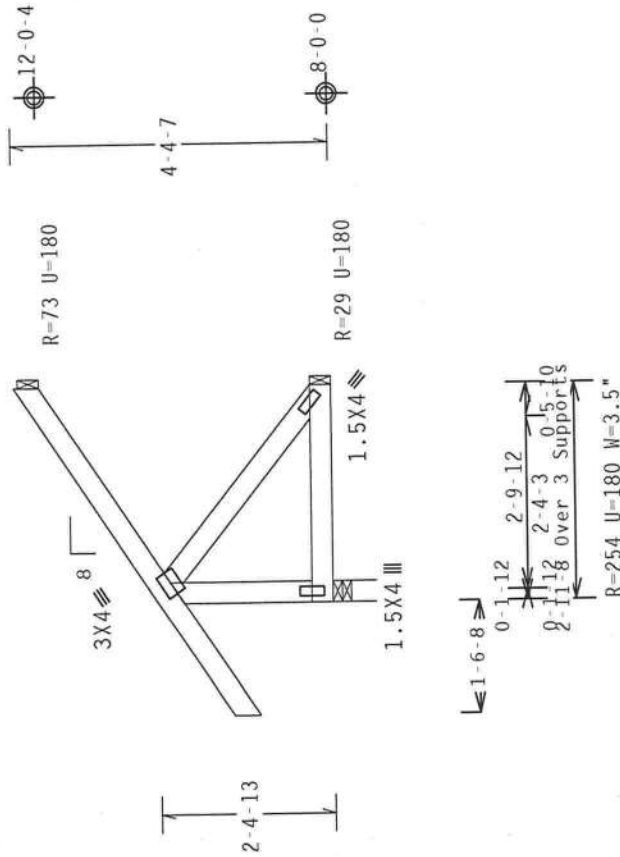
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Left end vertical exposed to wind pressure. Deflection meets L/240
criteria for brittle and flexible wall coverings.

Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 10.87 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0
psf.

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



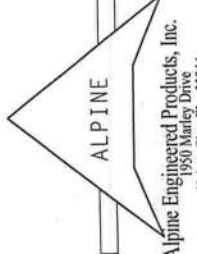
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

QTY:1	FL/-4/-1-/R/-	Scale = .375"/Ft.
TC LL	20.0 PSF	REF R487-- 39980
TC DL	10.0 PSF	DATE 10/11/05
BC DL	10.0 PSF	DRW HCUSR487 05284019
BC LL	0.0 PSF	HC-ENG DF/ADR *
TOT.LD.	40.0 PSF	SEQN- 43099
DUR.FAC.	1.25	JREF- 1SR7487_Z02
SPACING	24.0"	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND NCTA (NATIONAL 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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THE DESIGN SPECIFICATIONS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: PROVIDING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS, NATIONAL DESIGN SPEC. BY AIA/AIA AND TPI. ALPINE CONNECTOR PLATES ARE TO BE USED IN ALL TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ALPINE TRUSSES ARE TO BE USED IN ALL TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. 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.



PLT TYP. Wave

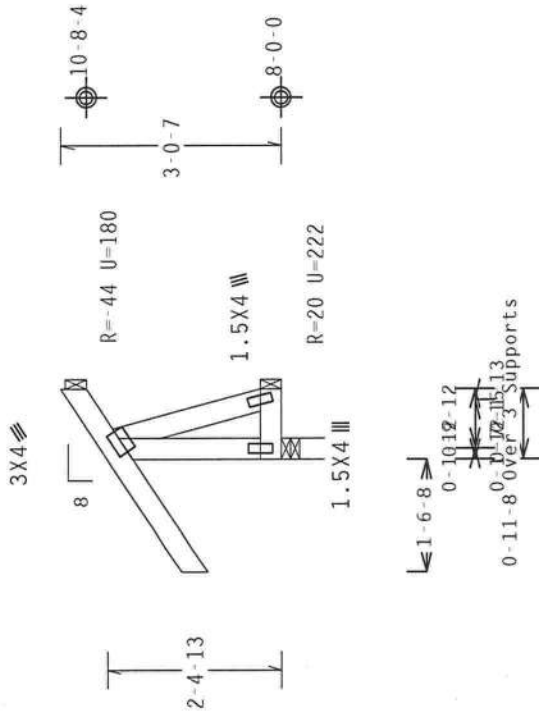
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 10.20 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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



R=210 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

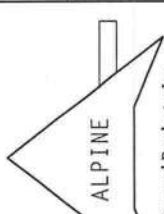
Cq/RT=1.00(1.25)/10(0)

7.04.080

QTY:1

FL/-/4/-/R/-

Scale =.375"/Ft.

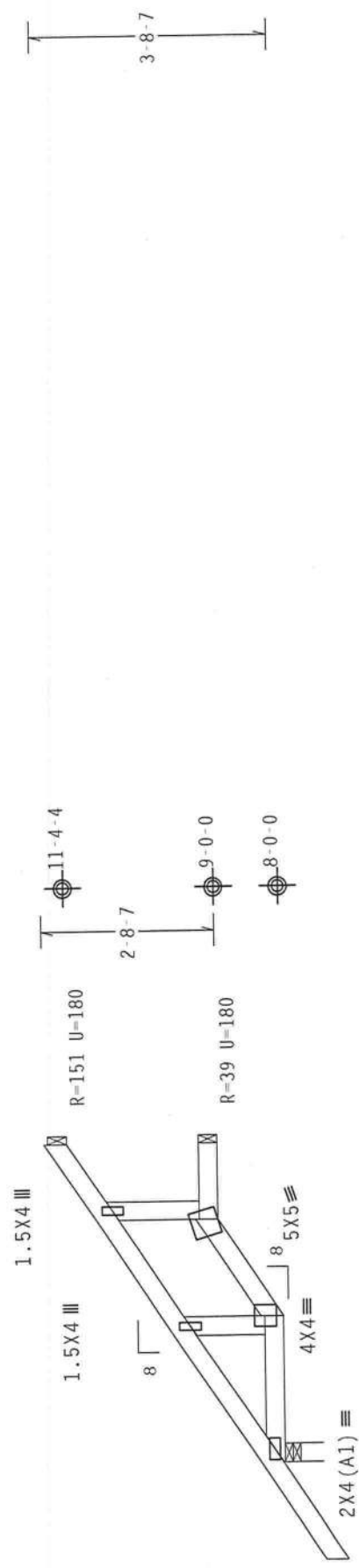
 Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WICA (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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN CONFORMS WITH APPLICATION OF THE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AIAPI AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (H, H/S, S) ASTM A653 GRADE 40/50 (H, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-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.				
	TC LL	20.0 PSF	REF	R487--	39981					
	TC DL	10.0 PSF	DATE	10/11/05						
	BC DL	10.0 PSF	DRW	HCUSR487	05284036					
	BC LL	0.0 PSF	HC-ENG	DF/ADR						
	TOT.LD.	40.0 PSF	SEQN-	43106						
DUR.FAC.	1.25									
SPACING	24.0"	JREF-	1SR7487_Z02							

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, 9.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



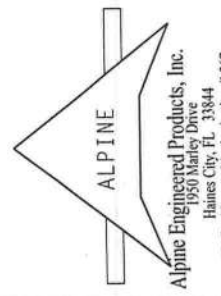
1-6-0
2-3-8 1-6-0 1-2-8
2-3-8 1-6-0 1-2-8
5-0-0 Over 3 Supports
R=340 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.080



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MICA (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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS (IF/AS) ASTM A563 GRADE 40/60 (R, K/H-S) GALV. STEEL. APPLY CONNECTOR PLATES ARE INDICATED (IF/AS) UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES SHALL BE PER ANNEX A3 OF TPI-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.



QTY: 2	FL / - / 4 / - / - / R / -	Scale = .375" / Ft.
TC LL	20.0 PSF	REF R487 - 39982
TC DL	10.0 PSF	DATE 10/11/05
BC DL	10.0 PSF	DRW HCUR487 05284020
BC LL	0.0 PSF	HC-ENG DF/ADR *
TOT.LD.	40.0 PSF	SEQN- 42726
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SR7487_Z02

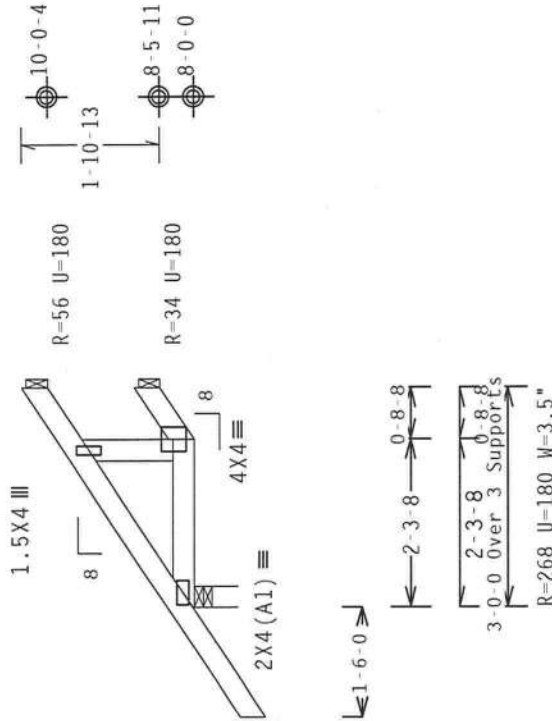
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 8.87 ft mean hgt, ASCE 7-98, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

Shim all supports to solid bearing.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



2-4-7

Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0805

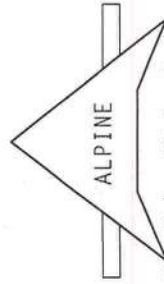
PLT TYP. Wave

QTY: 2 FL/-/4/-/-/R/-

Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'GROFF RD., SUITE 200, MADISON, WI 53719) AND WCA (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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, 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. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/S/P) ASH A553 GRADE 40/60 (W. K/H/S) GALV. STEEL. APPL. PLATES TO EACH FACE OF TOP CHORD. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN FEET AND INCHES. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE PER 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.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



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"	

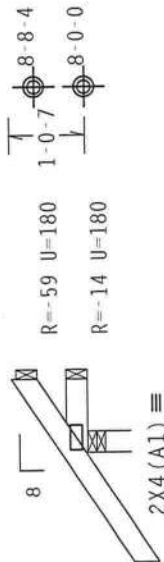
REF	R487--	39983
DATE	10/11/05	
DRW	HCUSR487 05284021	
HC-ENG	DF/ADR	*
SEQN	42720	
JREF	1SR7487_Z02	

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, 8.20 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



1-6-0
1-0-0 Over 3 Supports

R-261 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.04.0805

QTY:2

FL/-/4/-/4/-/R/-

Scale = .375"/Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'CONNOR DR., SUITE 200, MADISON, WI 53719) AND MICA (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**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING, FABRICATING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN CONFORMANCE WITH TPI-1. UNLESS OTHERWISE INDICATED, TRUSSES SHALL BE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (M, K/H/S) GALV. STEEL. APPLY CONNECTIONS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-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.



Alpine Engineered Products, Inc.
1950 Manley Drive
Haines City, FL 33844



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	R487--	39984
DATE	10/11/05	
DRW	HCUSR487	05284037
HC-ENG	DF/ADR	
SEQN-	42713	
JREF-	1SR7487_Z02	

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

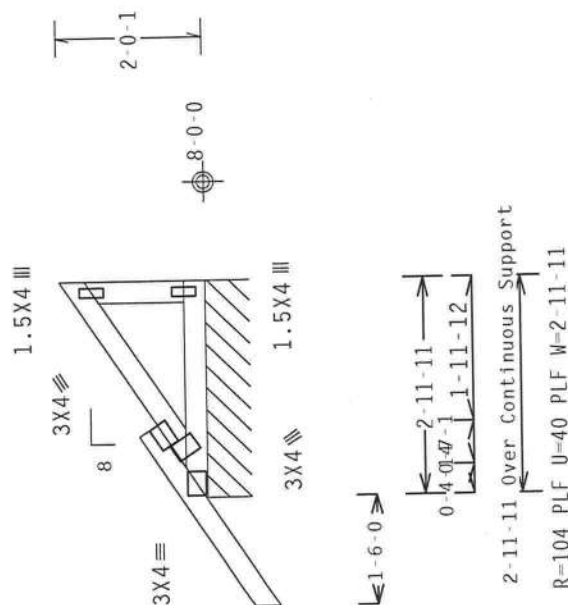
110 mph wind, 8.69 ft mean hgt., ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

Right end vertical not exposed to wind pressure.

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

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.

See DWGS A11015EC1103 & GBLLETIN1103 for more requirements.



2-11-11 Over Continuous Support

R=104 P1 F U=40 P1 F W=2-11-11

Design Crit: TPI-2002(STD)/FBC

PI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

QTY:1

FL/-/4/-/-/R/-

Scale = .375"/Ft.

PLT TYP. Wave

****WARNING**** THOUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, INSTALLING AND BRACING. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

[illegible]

Oct 11 1930

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

110 mph wind, 13.85 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

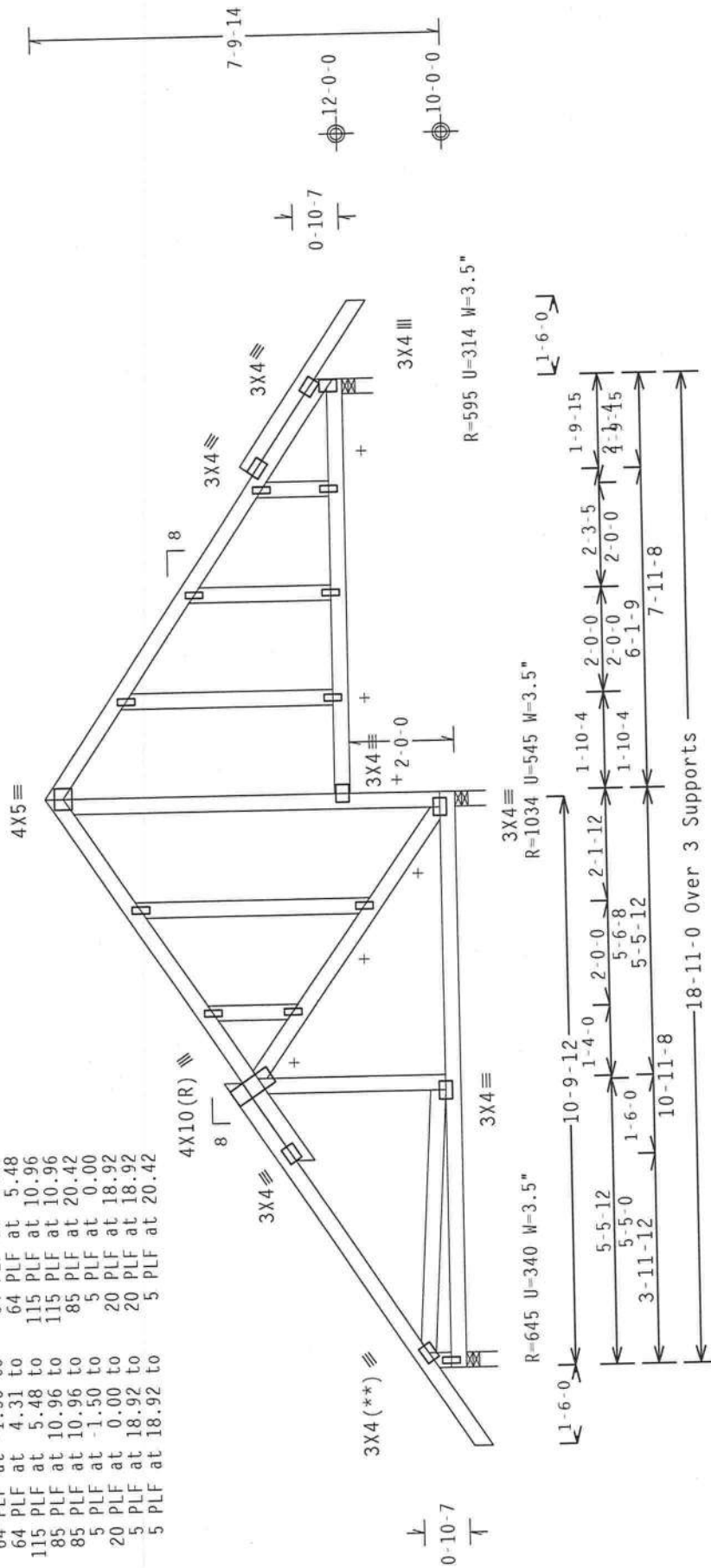
Calculated horizontal deflection is 0.11" due to live load and 0.17" due to dead load.

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

+ MEMBER TO BE Laterally Braced For Wind Loads Perpendicular To Truss. Bracing System To Be Designed And Furnished By Others.

SPECIAL LOADS

SPECIAL LOADS		DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25	
	(LUMBER		
TC - From	64 PLF at 1.50 to	64 PLF at 4.31	64 PLF at 4.31
TC - From	64 PLF at 4.31 to	64 PLF at 5.48	64 PLF at 5.48
TC - From	115 PLF at 5.48 to	115 PLF at 10.96	115 PLF at 10.96
TC - From	85 PLF at 10.96 to	115 PLF at 10.96	115 PLF at 10.96
TC - From	85 PLF at 10.96 to	85 PLF at 20.42	85 PLF at 20.42
BC - From	5 PLF at 1.50 to	5 PLF at 0.00	5 PLF at 0.00
BC - From	20 PLF at 0.00 to	20 PLF at 18.92	20 PLF at 18.92
BC - From	5 PLF at 18.92 to	20 PLF at 18.92	20 PLF at 18.92
BC - From	5 PLF at 18.92 to	5 PLF at 20.42	5 PLF at 20.42



NOTE: ALL PLATES ARE 1.5X4 EXCEPT AS SHOWN.

Design Crit: TPI-2002(STD)/FBC

 $C\sigma/RT=1.00(1.25)/10(0)$ 7.04.0805

0TY.1 FL/-/4/-/-/R/-

$$\text{Scale} = .3125"/\text{Ft.}$$

PIT TYP.: Wave

09

TC	11	20.0	P
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RFF R487 - - 39986

****IMPORTANT****TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, DESIGN SPEC, BY AFAPA) AND TPI. ALPINE DESIGN CONFORMS WITH ALL APPLICABLE PROVISIONS OF THIS DESIGN SPEC. (AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 201/18 ALUMINUM. ASTM A505 GRADE 40/50 (44, 4/16) GALV. STEEL. PLATES TO EACH FACE OF THUSSES. OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF THE WORK PERFORMED BY C-3, SHALL BE PER AMEIX 43 OF TPI-2002 SEC.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE THUSS COMPONENT BUILDING WORK. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMEIX/TPI 1 SEC. 2.



Oct 11 '05

JREF- 1SR7487_Z02

SPACING SFF ABOVE

JREF- 1SR7487_Z02

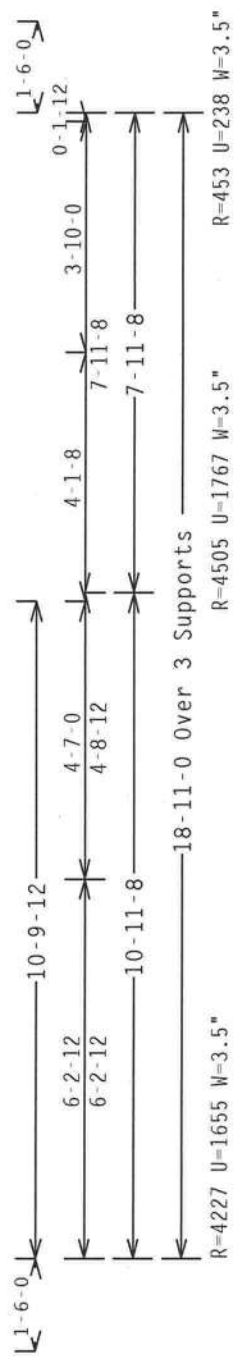
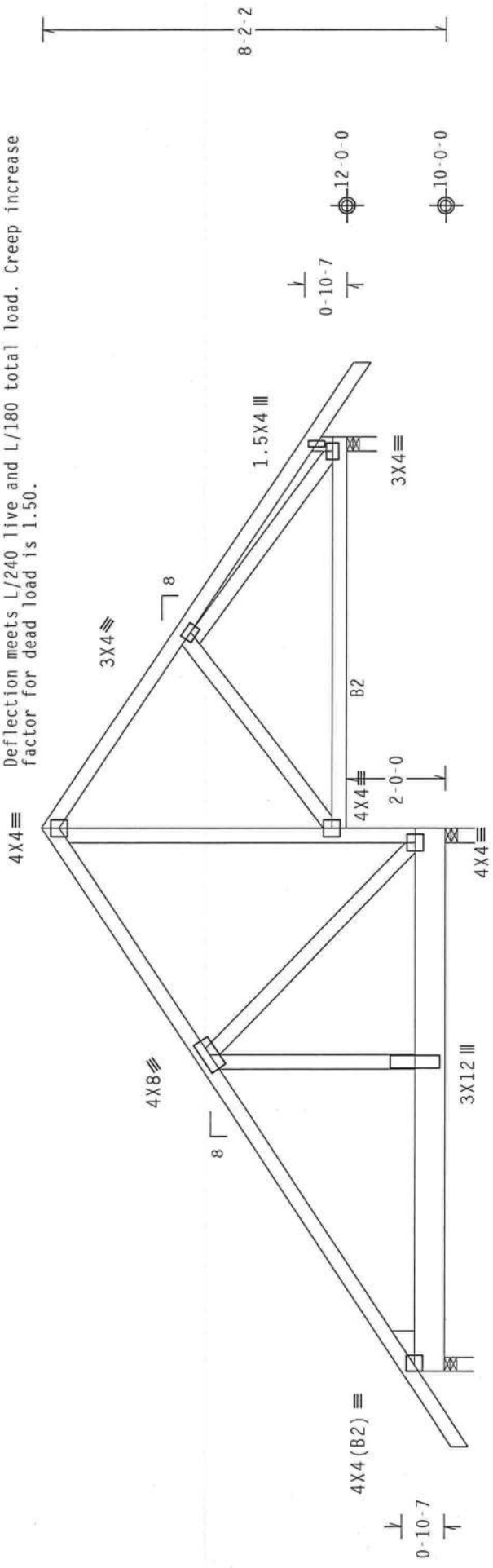
Top chord 2x4 SP #2 Dense
 Bot chord 2x8 SP SS :B2 2x4 SP #2 Dense:
 Webs 2x4 SP #3
 :Lt Wedge 2x6 SP #2:

SPECIAL LOADS

----- (LUMBER DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25)
 TC - From 64 PLF at -1.50 to 64 PLF at 20.42
 BC - From 5 PLF at -1.50 to 5 PLF at 0.00
 BC - From 20 PLF at 0.00 to 20 PLF at 18.92
 BC - From 5 PLF at 18.92 to 5 PLF at 20.42
 BC - 1232 LB Conc. Load at 0.56, 2.56, 4.56, 6.56, 8.56
 10.56

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Common (0.148"x3", min.) nails)
 Top Chord: 1 Row @ 12.00" o.c.
 Bot Chord: 1 Row @ 4.75" 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 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.
 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002 (STD) /FBC
 Cq/RT=1.00(1.25)/10(0) 7.04.0800

Scale = .3125" / Ft.

QTY: 1 FL / - / 4 / - / R / -

TC LL	20.0 PSF	REF	R487 - -	39988
TC DL	10.0 PSF	DATE	10/11/05	
BC DL	10.0 PSF	DRW	HCUSR487	05284049
BC LL	0.0 PSF	HC-ENG	DF /ADR	
TOT. LD.	40.0 PSF	SEQN	43158	
DUR. FAC.	1.25	FROM	JP	
SPACING	24.0"	JREF	1SR7487_Z02	

Oct 11 '05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 503 O'ROURIO DR., SUITE 200, MADISON, WI 53719, AND MTCA (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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/2/5/9) ASTM A553 GRADE 40/60 (4. K/PL.5) GALV. STEEL. APPLY PLATING INSPECTION AT ALL JOINTS. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. 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.

Alpine Engineered Products, Inc.
 1950 Marley Drive
 Haines City, FL 33844
 FL Certificate of Authorization # 567

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

SPECIAL LOADS

----- (LUMBER DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25)
TC - From 85 PLF at 1.50 to 85 PLF at 5.00
TC - From 85 PLF at 5.00 to 85 PLF at 11.50
BC - From 5 PLF at 1.50 to 5 PLF at 0.00
BC - From 21 PLF at 0.00 to 21 PLF at 5.00
BC - From 21 PLF at 5.00 to 21 PLF at 10.00

+ MEMBER TO BE LATERALLY BRACED FOR WIND LOADS PERPENDICULAR TO TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

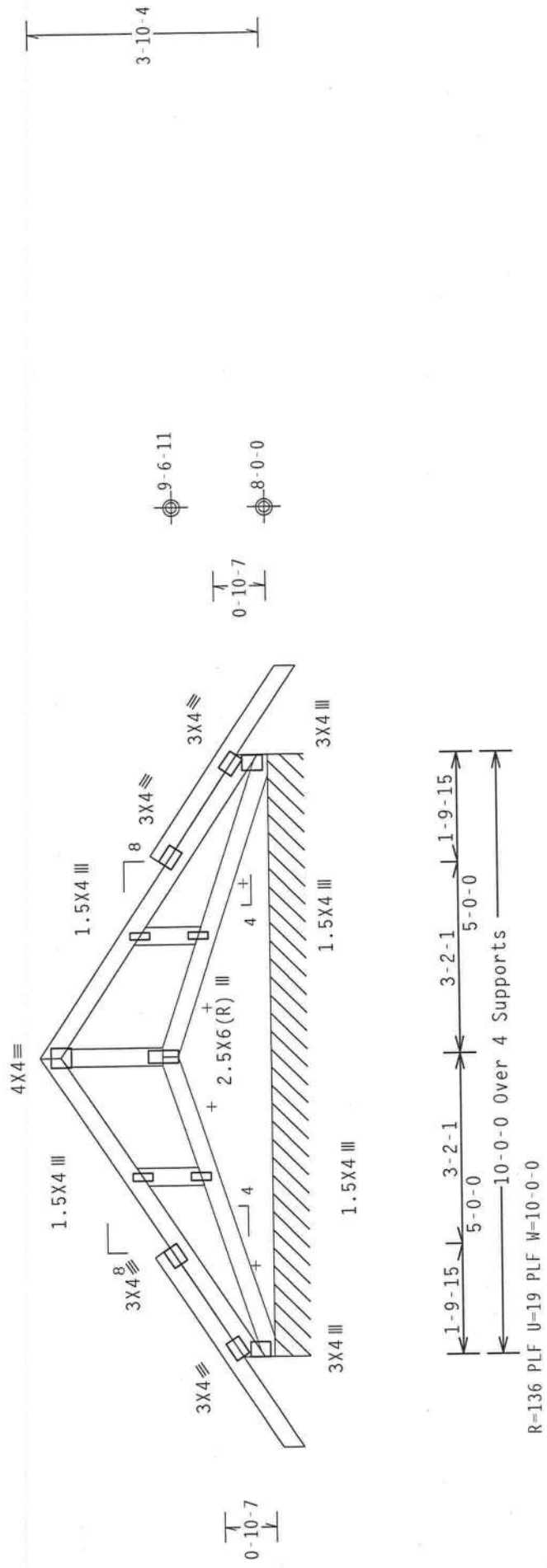
110 mph wind, 9.86 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

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

Shim all supports to solid bearing.

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.



Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.04.0805

QTY: 1

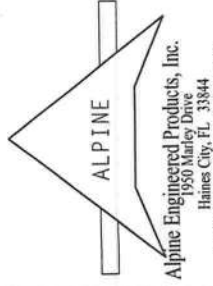
FL/-/4/-/-/R/-

Scale = .375" / Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PRODUCTS, INC., 1000 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS. 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. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN CONNECTIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ADAP) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/10/16GA (4-H/5-K) ASTM A653 GRADE 40/60 (4, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-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.

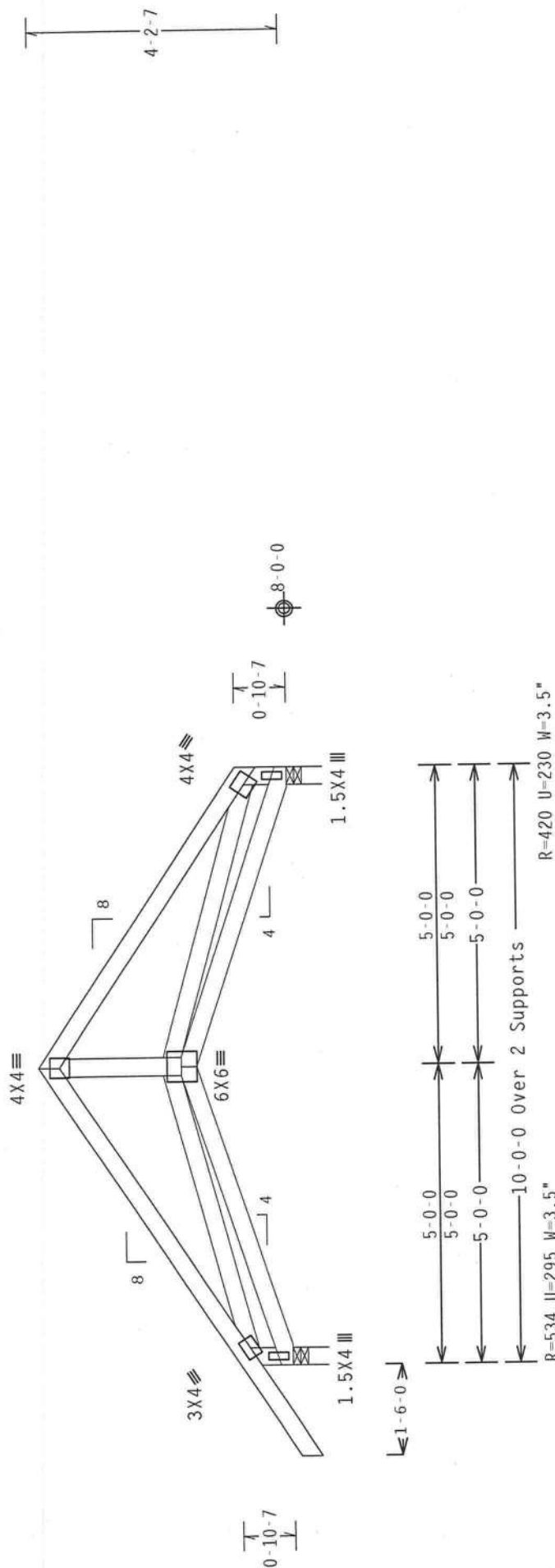


TC LL	20.0 PSF	REF	R487--	39989
TC DL	10.0 PSF	DATE	10/11/05	
BC DL	10.0 PSF	DRW	HCUSR487	05284040
BC LL	0.0 PSF	HC-ENG	DF/ADR	
TOT. LD.	40.0 PSF	SEQN-	42543	REV
DUR. FAC.	1.25	SPACING	SEE ABOVE	
		JREF-	1SR7487_Z02	

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, 10.04 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.



Design Crit: TPI-2002 (STD) / FBC

Cq/RT=1.00 (1.25) / 10 (0)

7.04.080

QTY: 4

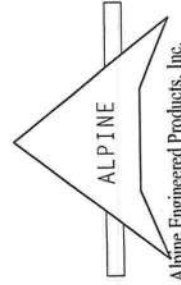
FL / - / 4 / - / - / R / -

Scale = .375" / Ft.

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND NTC (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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THE DESIGN OR FOR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-2002 (STD) / FBC. PROVIDE THE FOLLOWING INFORMATION TO THE INSTALLER: 1. APPLY DESIGN CONFORMS WITH TPI-2002 (STD) / FBC. 2. PROVIDE THE FOLLOWING INFORMATION TO THE INSTALLER: 3. APPLY CORRECTOR PLATE TO THE FACE OF THE TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-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.



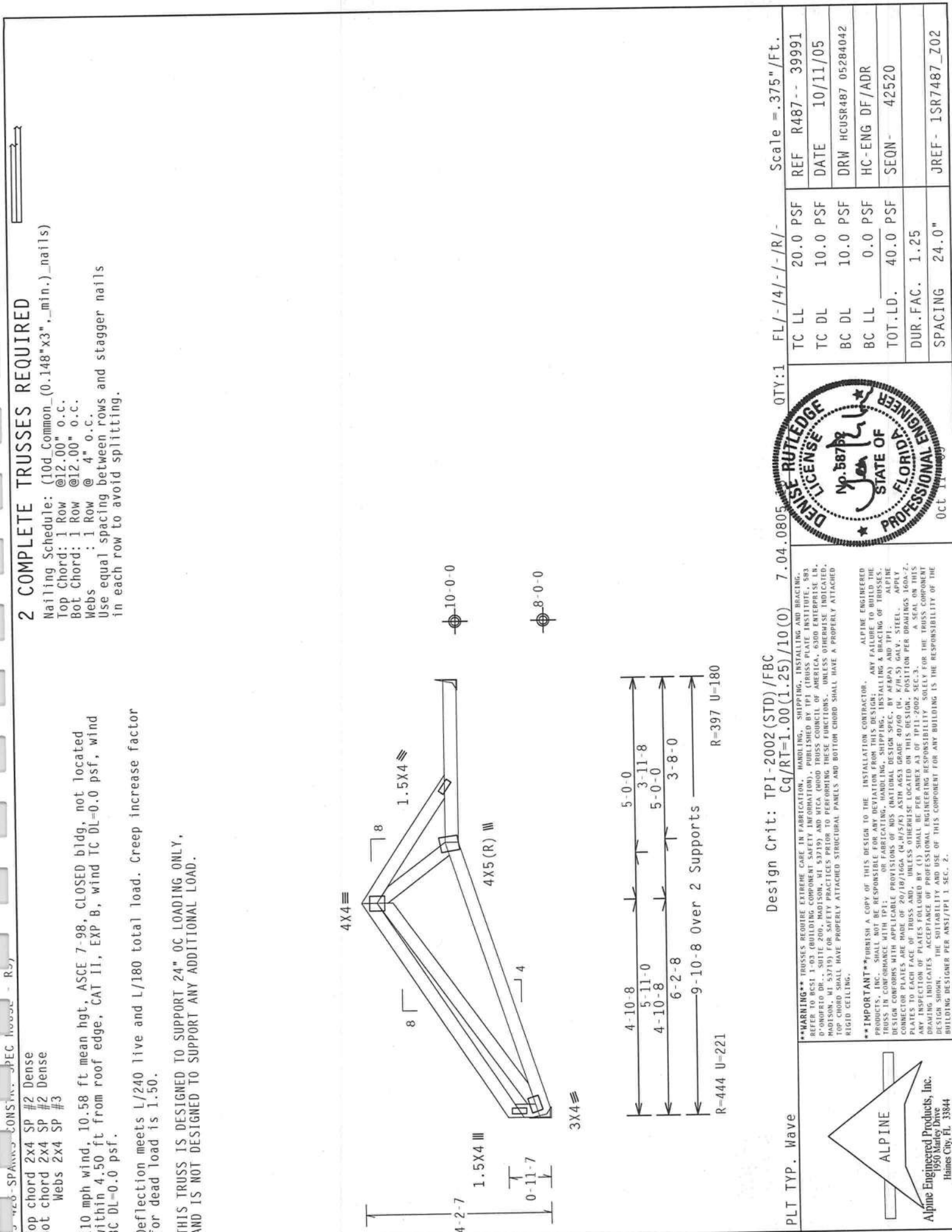
Alpine Engineered Products, Inc.
1950 Manley Drive
Haines City, FL 33844
Tel: 888-222-2222



Oct 11 '05

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	R487--	39990
DATE	10/11/05	
DRW	HCUSR487	05284022
HC-ENG	DF/ADR	*
SEQN-	42533	
JREF-	1SR7487_Z02	



2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d Common (0.148"x3", min.)_nails)
Top Chord: 1 Row @12.00" 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, 10.58 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=0.0 psf, wind BC DL=0.0 psf.

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

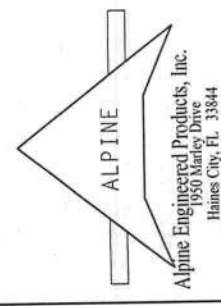
THIS TRUSS IS DESIGNED TO SUPPORT 24" OC LOADING ONLY, AND IS NOT DESIGNED TO SUPPORT ANY ADDITIONAL LOAD.

PLT TYP. Wave	Design Crit: TPI-2002 (STD) / FBC Cq/RT=1.00(1.25)/10(0)	7.04.0805	QTY: 1	FL/-4/-/-R/-	Scale = .375"/Ft.
				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	R487-- 39991
				DATE	10/11/05
				DRW	HCUSR487 05284042
				HC-ENG	DF/ADR
				SEQN-	42520
				JREF-	1SR7487_Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 593 MADISON, MI 48226) OR SHUTE 2000, MADISON, MI 53719) AND RICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LB, MADISON, MI 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. ALPINE ENGINEERED PRODUCTS, 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 AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY NDS) AND TPI. APPLY CONNECTOR PLATES ARE MADE OF 2010/160A (4-H/S/S) ASTM A663 OR THIS DESIGN. POSITION PER DRAWINGS 160A-2. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED, PER ABX A3 OF TPI-2002 SEC.3. A SEAL ON THIS ANY INSPECTION OF PLATES FOLLOWING PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNING INDICATES THE QUALITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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.

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.

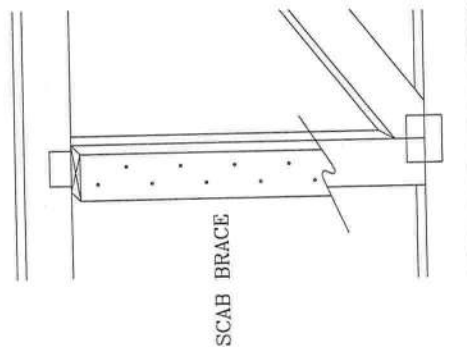
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X6(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.



APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d OR .128"x3" GUN
NAILS AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



*****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND ERECTING. FOR MORE INFORMATION, CONTACT THE MANUFACTURER. **TRUSS CONSULTANTS**, PUBLISHED BY THE AMERICAN TRUSS SOCIETY, INC., 600 N. WILSON AVE., SUITE 200, CHICAGO, ILL. 60642-7899. TEL: 312/344-1100. FAX: 312/344-1101. WWW.AMERICANTRUSS.COM. **AMERICAN TRUSS SOCIETY**, 1000 N. WILSON AVE., SUITE 200, CHICAGO, ILL. 60642-7899. TEL: 312/344-1100. FAX: 312/344-1101. WWW.AMERICANTRUSS.COM.

*****IMPORTANT***** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTORS. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY CHANGES IN THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC., OR ANY FAILURE OF THE TRUSS. ALPINE CONCEPT PLATES ARE MADE OF 2018/16GA 50K/52K ASTM A653 GRADED 40/60 CVX/KH252 GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF THE TRUSS SHALL BE BY THE TRUSS FABRICATOR PER ANNEX A3 OF POSITION 1-2002 SEC. 1.1. THIS SHALL BE THE BASIS FOR THE TRUSS COMPONENT ACCEPTANCE OF THE PROFESSIONAL ENGINEERING DESIGN. THIS DESIGN INDICATES ACCEPTANCE OF THE BUILDING TRUSS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. SEE PER ANNEX/PT 1, SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRCLBSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

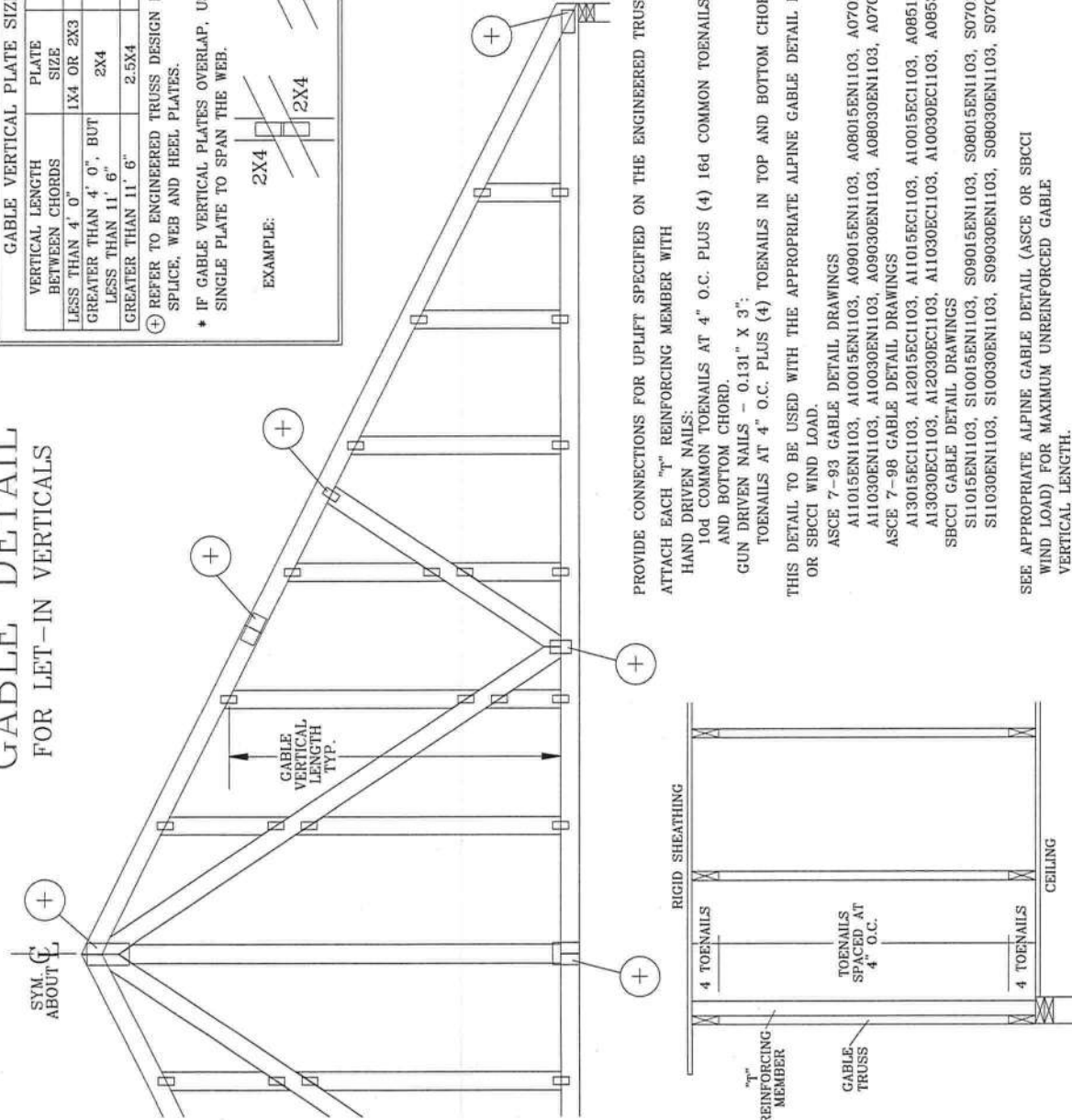
THIS DRAWING REPLACES DRAWING 579,640

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

EXAMPLE:



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

HAND DRIVEN NAILS:

10d COMMON TOENAILS AT 4" O.C. PLUS (4) 16d COMMON TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS - 0.131" X 3";

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

A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A10030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08015EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08030EC1103

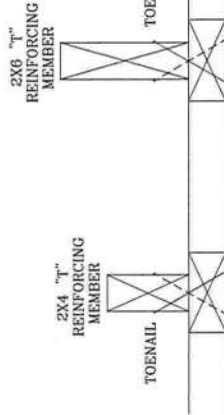
SBCCI GABLE DETAIL DRAWINGS

S10015EN1103, S10030EN1103, S09015EN1103, S08015EN1103, S07015EN1103
S11030EN1103, S10030EN1103, S09030EN1103, S08030EN1103, S07030EN1103

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI

WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE

VERTICAL LENGTH.



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"

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSC 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNDREID DR., SUITE 200, MADISON, WI 53719) AND VITA (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. ALPINE ENGINEERED PRODUCTS, 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. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA C/H/S/K3 ASTM A653 GRADE 40/50 C/H/H/S3 GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. 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 THE PROFESSIONAL ENGINEERING RESPONSIBILITY AND A SEAL ON THE TRUSS COMPONENT DESIGN SHOWN ON THIS DRAWING INDICATES ACCEPTANCE OF THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

REF	LET-IN VERT
DATE	01/16/04
DRWG	GBLETTIN103
-ENG	DLJ/KAR
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"

Lot 48 Turkey Run

COLUMBIA COUNTY BUILDING DEPARTMENT

**RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR
FLORIDA BUILDING CODE 2001
ONE (1) AND TWO (2) FAMILY DWELLINGS
ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002**

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

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

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

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant

Plans Examiner

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All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.

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Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.

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Site Plan including:

- a) Dimensions of lot
- b) Dimensions of building set backs
- c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
- d) Provide a full legal description of property.

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Wind-load Engineering Summary, calculations and any details required

- a) Plans or specifications must state compliance with FBC Section 1606
- b) The following information must be shown as per section 1606.1.7 FBC
 - a. Basic wind speed (MPH)
 - b. Wind importance factor (I) and building category
 - c. Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
 - d. The applicable internal pressure coefficient
 - e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional

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Elevations including:

- a) All sides
- b) Roof pitch
- c) Overhang dimensions and detail with attic ventilation
- d) Location, size and height above roof of chimneys
- e) Location and size of skylights
- f) Building height
- g) Number of stories

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- a) **Masonry wall**
 1. All materials making up wall
 2. Block size and mortar type with size and spacing of reinforcement
 3. Lintel, tie-beam sizes and reinforcement
 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
 7. Fire resistant construction (if required)
 8. Fireproofing requirements
 9. Shoe type of termite treatment (termiteicide or alternative method)
 10. Slab on grade
 - a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
 11. Indicate where pressure treated wood will be placed
 12. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

☐ ☐ b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiteicide or alternative method)
11. Slab on grade
 - a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

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

☐ ☐ Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

☐ ☐ Plumbing Fixture layout

☐ ☐ Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment

☐ ☐ HVAC information

- a) Manual J sizing equipment or equivalent computation
- b) Exhaust fans in bathroom

☐ ☐ Energy Calculations (dimensions shall match plans)

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

☐ ☐ Disclosure Statement for Owner Builders

☐ ☐ Notice Of Commencement

☐ ☐ Private Potable Water

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

Columbia County Building Department Culvert Permit

Culvert Permit No.
000000855

DATE 10/21/2005 PARCEL ID # 03-4S-16-02739-241
APPLICANT MELANIE RODER PHONE 752-2281
ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024
OWNER SPARKS CONTRACTORS PHONE 623-0575
ADDRESS 566 SW PHILLIPS CIRCLE LAKE CITY FL 32024
CONTRACTOR SPARKS CONTRACTORS PHONE 623-0575
LOCATION OF PROPERTY 90W, TL ON 252B, TR ON PHILLIPS CIRCLE, TL ON PHILLIPS CIRCLE,
5TH LOT ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT TURKEY RUN 41

SIGNATURE Melanie Roder

INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

**ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALLATION OF THE CULVERT.**

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00



23748

Inst:2005023768 Date:09/27/2005 Time:14:47

THIS INSTRUMENT WAS PREPARED BY:

MK DC, P. DeWitt Cason, Columbia County B:1059 P:1943

TERRY McDAVID 05-782
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

PERMIT NO. _____

TAX FOLIO NO.: _____

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

1. Description of property:

Lot 41, TURKEY RUN, a subdivision according to the plat thereof recorded in Plat Book 7, Pages 116-117 of the public records of Columbia County, Florida.

2. General description of improvement: Construction of Dwelling

3. Owner information:

a. Name and address: SPARKS CONTRACTORS, INC.
162 SW Country Court, Lake City, FL 32024

b. Interest in property: Fee Simple

c. Name and address of fee simple title holder (if other than Owner): None

4. Contractor: SPARKS CONTRACTORS, INC.
162 SW Country Court, Lake City, FL 32024

5. Surety n/a

a. Name and address:
b. Amount of bond:

6. Lender: COLUMBIA COUNTY BANK
173 NW Hillsboro Street, Lake City, FL 32055

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: None

8. In addition to himself, Owner designates Jim Greenwalt of Columbia County Bank, 173 NW Hillsboro Street, Lake City, FL 32055, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified). September 26, 2006.

SPARKS CONTRACTORS, INC.



By JACOB D. SPARKS,
President

The foregoing instrument was acknowledged before me this 26th day of September, 2006, by JACOB D. SPARKS, as President of SPARKS CONTRACTORS, INC., who is personally known to me and who did not take an oath.





Notary Public
My commission expires: _____

COLUMBIA COUNTY FLORIDA

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 03-4S-16-02739-241

Building permit No. 000023748

Use Classification SFD, UTILITY

Fire: 41.44

Permit Holder SPARKS CONTRACTORS

Waste: 85.75

Owner of Building JOSH SPARKS

Total: 127.19

Location: 566 SW PHILLIPS CIRCLE(TURKEY RUN, LOT 41)

Date: 03/10/2006

Darryl Sticks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



0-8

ROOF
PITCH

6/12-5/12

HANGER SCHEDULE

(16) HTU26

(1) HHU526-2

OVERHANG

SPEC. BY
BUILDER

1) REFER TO HIB 91 (RECOMMENDATIONS FOR HANDLING INSTALLATION AND TEMPORARY BRACING. REFER TO ENGINEERED DRAWINGS FOR PERMANENT BRACING REQUIRED.

- (1) ALL TRUSSES, INCLUDING TOP CHORDS UNDER VALLEY TRAINING, MUST BE COMPLETED AND INSPECTED OR REFER TO DETAIL 1005 FOR ALTERNATE BRACING REQUIREMENTS.
- (2) ALL WALL EYS ARE TO BE CONVENTIONALLY FRAMED BY DULDER.
- (3) ALL TRUSSES ARE TO BE DESIGNED FOR 2 o.c. MAXIMUM SPACING, UNLESS OTHERWISE NOTED.
- (4) ALL WALLS SHOWN ON PLACEMENT PLAN ARE TO BE CONSIDERED TO BE LOAD BEARING, UNLESS OTHERWISE NOTED.
- (5) S442 TRUSSES MUST BE INSTALLED WITH THE TOP BEING UP.
- (6) ALL ROOF TRUSS HANDEYS TO BE SIMPSON H1826 UNLESS OTHERWISE NOTED. ALL FLOOR TRUSS HANDEYS TO BE SIMPSON TH4422 UNLESS OTHERWISE NOTED.
- (7) BEARING END OF INTEL (498) TO BE FRAMED BY DULDER.

THIS LAYOUT IS THE SOLE SOURCE FOR FABRICATION OF TRUSSES AND VOIDS. ALL PREVIOUS ARCHITECTURAL OR OTHER TRUSS LAYOUTS, REVIEW AND APPROVAL OF THIS LAYOUT MUST BE RECEIVED BEFORE ANY TRUSSES WILL BE BUILT. VERIFY ALL CONDITIONS TO INSURE AGAINST CHANGES THAT WILL RESULT IN EXTRA CHARGES TO YOU.

Requested Delivery Date: _____

Approved by: _____ Date: _____



Bunnel

PHONE: 904-437-3349 FAX: 904-437-3994

777-6100 FAX: 9

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Lake City

PHONE: 904-755-6894 FAX: 904-755-7973

Sanford

PHONE: 407-322-0059 FAX: 407-322-5553

BILDER:

TRUCKY

COLUMBIA CO.

GILSON

SCALE: NTC

11:	SCAN BY:	1051:
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9/27/05	ROBERT GULOTTI	L13230
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