Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1SU0215-Z0720120056

Truss Fabricator:	W.B. Howland
Job Identification:	3095-/Brian and Angie Neitzke R /OWNER BUILDER -- Columbia County, FL
Truss Count:	26
Model Code:	Florida Building Code 2004
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.20.
Structural Engineer of Record:	
Address:	
Minimum Design Loads:	Roof - 32.0 PSF @ 1.25 Duration Floor - N/A Wind - 110 MPH ASCE 7-02 -Closed

Seal Date: 01/20/2006

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

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

Details: A11030EE-GBLLETIN-A11015EE-BRCLBSUB

#	Ref	Description	Drawing#	Date
1	04155	A1GE 27' Gable	06019073	01/19/06
2	04156	A2 27' Stepdown	06019078	01/19/06
3	04157	A3 27' Stepdown	06019070	01/19/06
4	04158	B1GE 23'4"8 Gabl	06019059	01/19/06
5	04159	B2 23'4"8 Common	06019060	01/19/06
6	04160	C1GE 18' Gable	06019056	01/19/06
7	04161	C2 18' Common	06019067	01/19/06
8	04162	D1GE 13' Gable	06019057	01/19/06
9	04163	D2 13' Common	06019061	01/19/06
10	04164	F1GE 26' Gable	06019069	01/19/06
11	04165	F2 26' Stepdown	06019075	01/19/06
12	04166	F3G (2-PLY) 26'	06019071	01/19/06
13	04167	F4 26' Stepdown	06019076	01/19/06
14	04168	F5 8'9" Common	06019074	01/19/06
15	04169	F6GE 7'10" Gable	06019077	01/19/06
16	04170	J1 1' Jack	06019062	01/19/06
17	04171	J3 3' Jack	06019063	01/19/06
18	04172	J5 5' Jack	06019064	01/19/06
19	04173	J6 6'4" Mono	06019081	01/19/06
20	04174	J6A 5'9"11 End J	06019058	01/19/06
21	04175	J6B 4'4" End Jac	06019066	01/19/06
22	04176	J6C 5'6"3 End Ja	06019065	01/19/06
23	04177	J6D 6'4" End Jac	06019068	01/19/06
24	04178	JH 8'11"8 Hip Ja	06019079	01/19/06
25	04179	PB-A1 4'3"12 Com	06019080	01/19/06
26	04180	PB-F1 8'9"7 Comm	06019072	01/19/06

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Truss Fabricator:	W.B. Howland
Job Identification:	3095-/Brian and Angie Neitzke R /OWNER BUILDER -- Columbia County, FL
Truss Count:	4
Model Code:	Florida Building Code 2004
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.20.
Structural Engineer of Record:	
Address:	
Minimum Design Loads:	Roof - 32.0 PSF @ 1.25 Duration Floor - N/A Wind - 110 MPH ASCE 7-02 -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: HCUSR215

Seal Date: 01/20/2006

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	04164	F1GE 26' Gable	06019069	01/19/06
2	04165	F2 26' Stepdown	06019075	01/19/06
3	04166	F3G (2-PLY) 26'	06019071	01/19/06
4	04167	F4 26' Stepdown	06019076	01/19/06

(3095 /Brian and Angie Neitzke R /OWNER BUILDER Columbia County, FL A1GE 27' Gable)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Wedge 2x6 SP #2 N::Rt Wedge 2x6 SP #2 N:

Deflection meets L/360 live and L/240 total load.

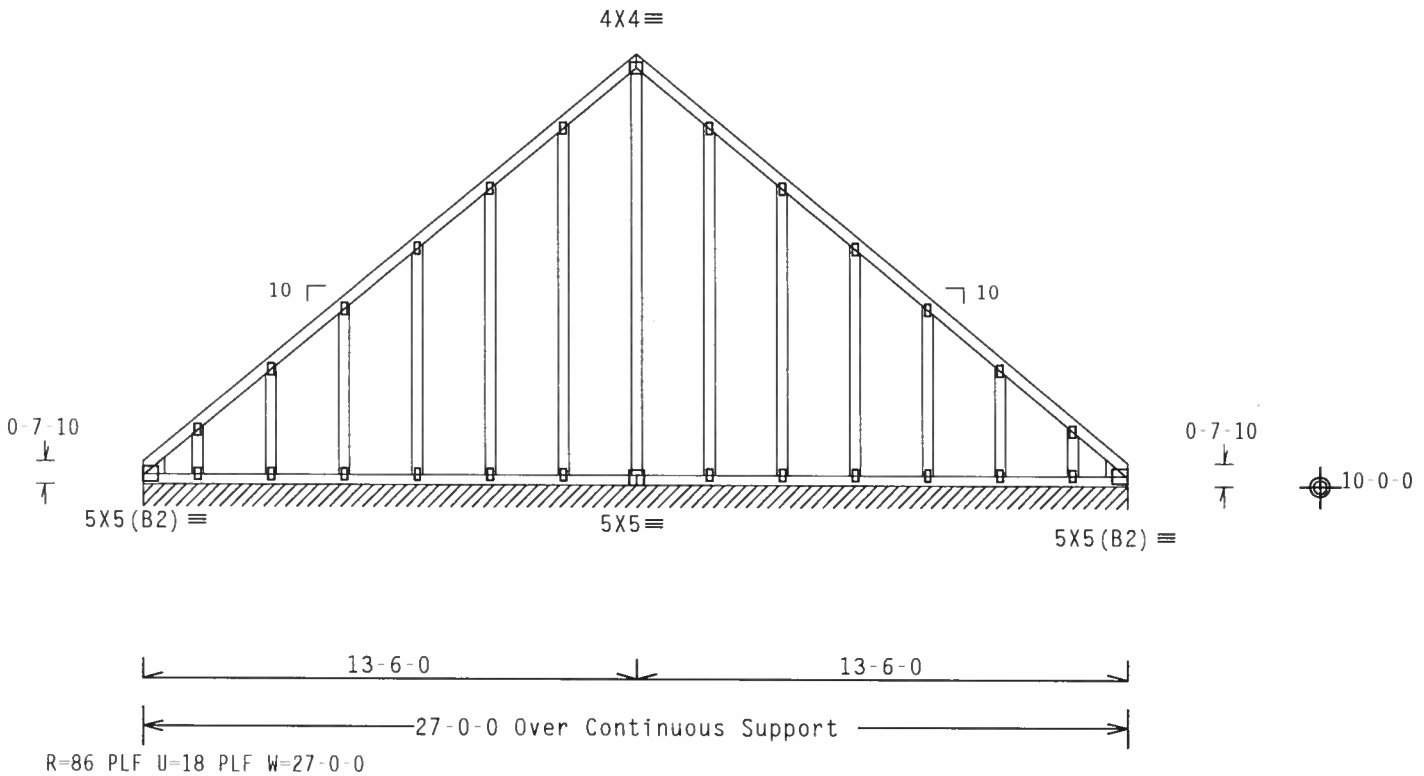
The overall height of this truss excluding overhang is 11-10-10.

THE JOB ENGINEER OR 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 JOB ENGINEER OR BUILDING DESIGNER.

110 mph wind, 16.26 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

See DWGS A11030EE0405 & GBLLETIN0405 for more requirements.

Plates sized for a minimum of 3.00 sq.in./piece.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0919.29 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE
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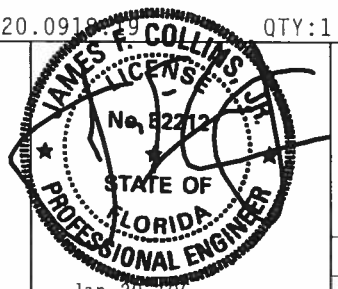
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH 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/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 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Jan 20 06

TC LL	20.0 PSF	REF	R215-- 4155
TC DL	10.0 PSF	DATE	01/19/06
BC DL	10.0 PSF	DRW	HCUSR215 06019073
BC LL	0.0 PSF	HC-ENG	RA/WHK
TOT.LD.	40.0 PSF	SEQN-	101057
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER -- Columbia County, FL - A2 27' Stepdown Hip)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

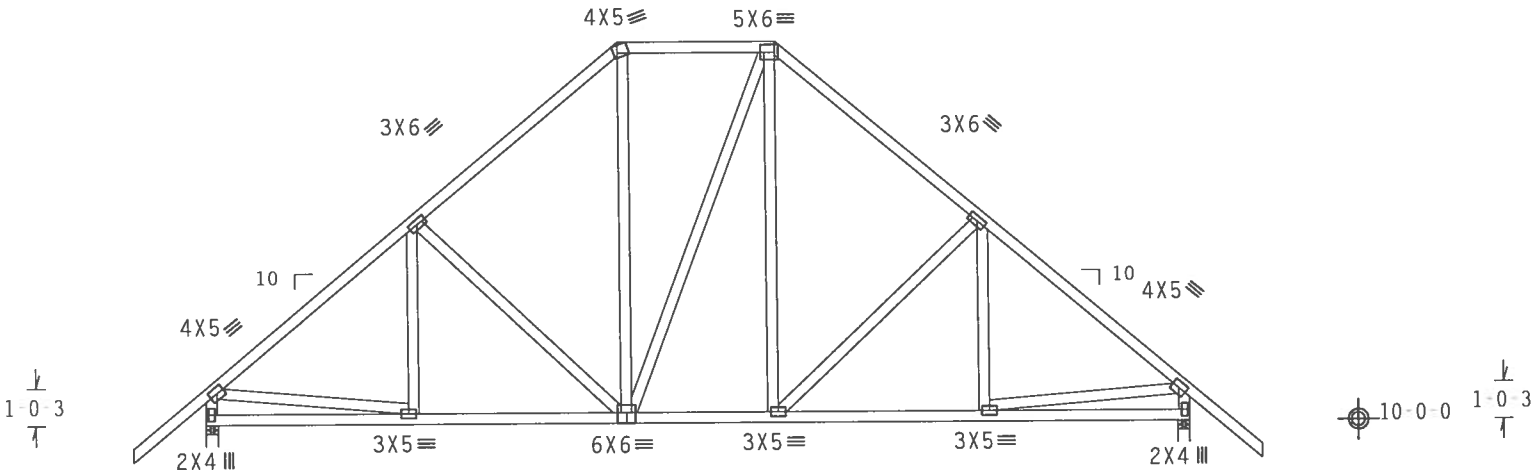
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 10-5-10.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.20.0918 [illegible] QTY:8 FL/-/5/-/-/R/- Scale =.1875"/Ft.

PLT TYP. Wave\R

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 20 06

TC LL	20.0 PSF	REF	R215-- 4156
TC DL	10.0 PSF	DATE	01/19/06
BC DL	10.0 PSF	DRW	HCUSR215 06019078
BC LL	0.0 PSF	HC-ENG	RA/WHK *
TOT.LD.	40.0 PSF	SEQN-	101076
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SU0215_Z07

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

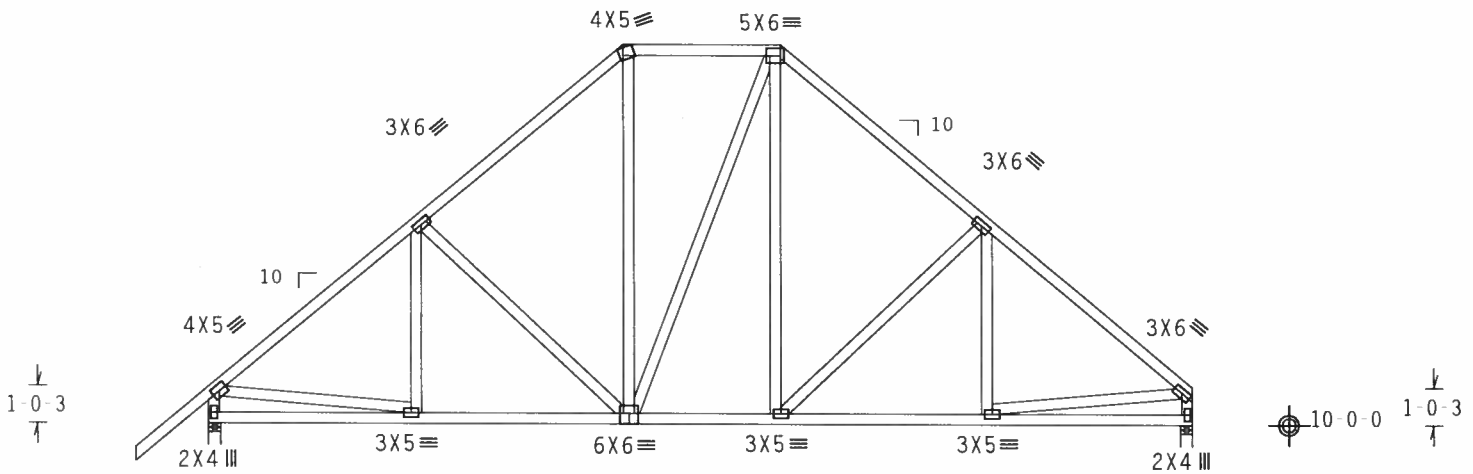
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

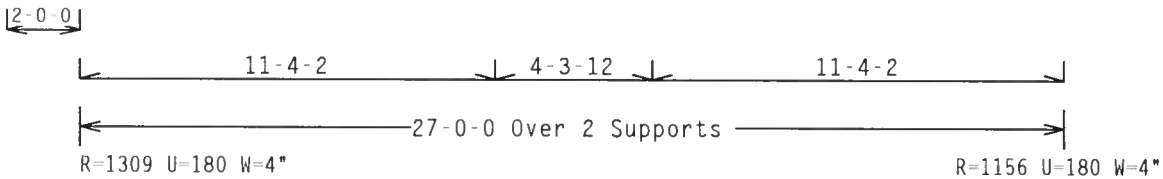
Plates sized for a minimum of 3.00 sq.in./piece.

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

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 10-5-10.





Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.20.0918.10

PLT TYP. Wave\R QTY:3 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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JAMES F. COLLINS JR LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 20 06

TC LL	20.0 PSF	REF R215-- 4157
TC DL	10.0 PSF	DATE 01/19/06
BC DL	10.0 PSF	DRW HCUSR215 06019070
BC LL	0.0 PSF	HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN- 101080
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SU0215_Z07

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

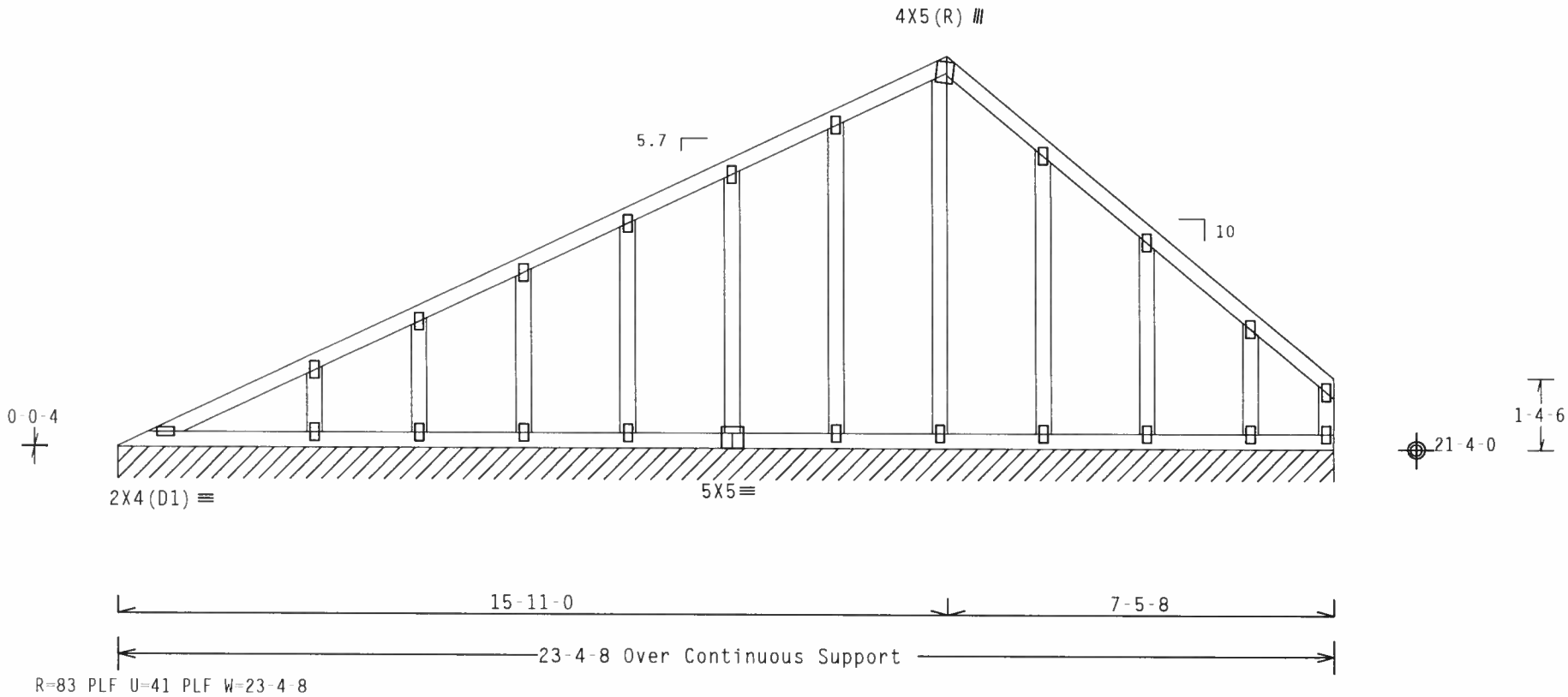
See DWGS A11030EE0405 & GBLLETIN0405 for more requirements.

Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 25.27 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 7-7-0.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:2 FL/-/5/-/-/R/- Scale =.3125"/Ft.

ALPINE

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

Jan 20 06

TC LL	20.0 PSF	REF R215-- 4158
TC DL	10.0 PSF	DATE 01/19/06
BC DL	10.0 PSF	DRW HCUSR215 06019059
BC LL	0.0 PSF	HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN- 101130
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER Columbia County, FL B2 23'4"8 Common)

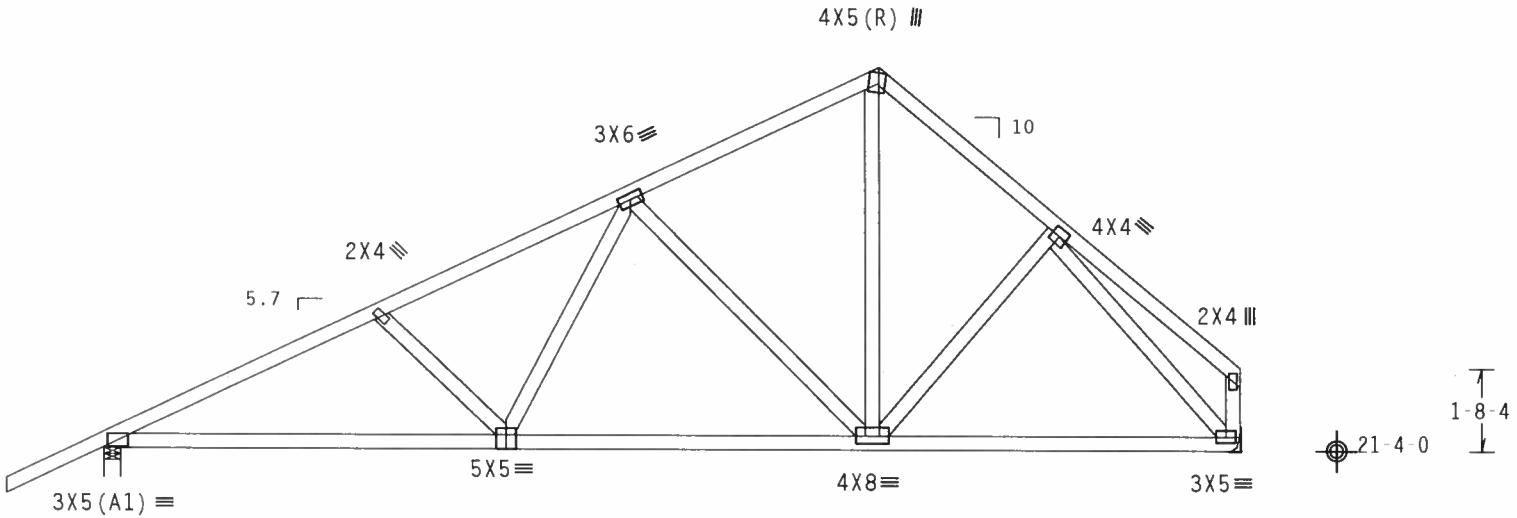
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

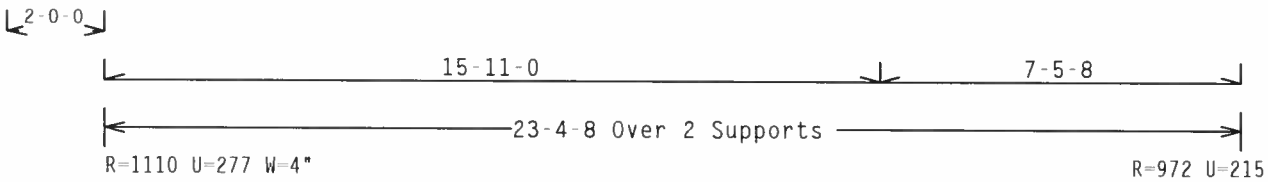
Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 7-10-14.

110 mph wind, 24.98 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Plates sized for a minimum of 3.00 sq.in./piece.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 Oct 19 FL/-/5/-/-/R/- Scale =.25"/Ft.

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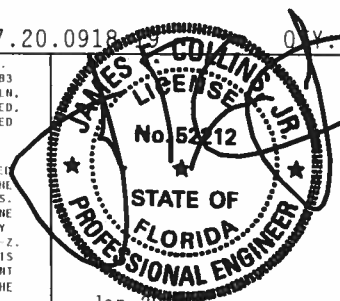


Jan 20 06

TC LL	20.0 PSF	REF	R215-- 4159
TC DL	10.0 PSF	DATE	01/19/06
BC DL	10.0 PSF	DRW	HCUSR215 06019060
BC LL	0.0 PSF		HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN-	101126
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER Columbia County, FL C1GE 18' Gable)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

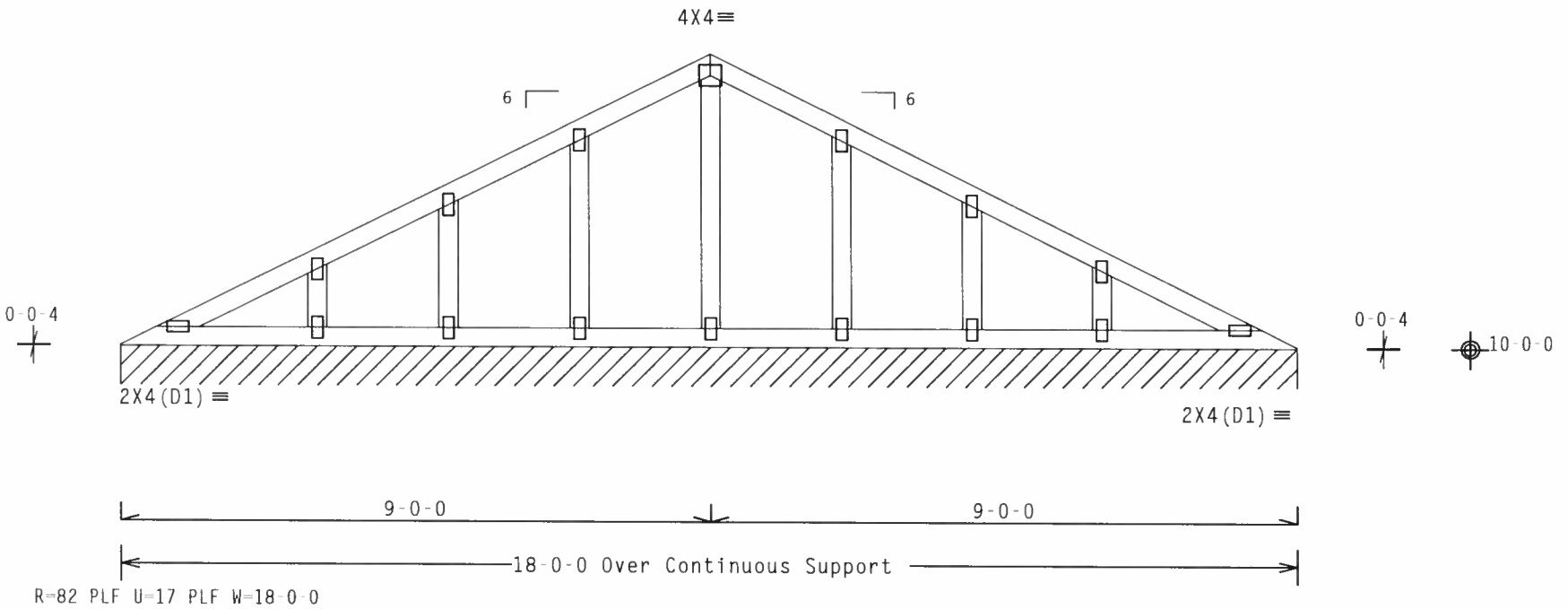
See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 4-6-4.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.19 QTY:1 FL/-/5/-/-/R/- Scale =.375"/Ft.

ALPINE

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Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1 03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN. MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 20 06

TC LL	20.0 PSF	REF	R215-- 4160
TC DL	10.0 PSF	DATE	01/19/06
BC DL	10.0 PSF	DRW	HCUSR215 06019056
BC LL	0.0 PSF	HC-ENG	RA/WHK *
TOT.LD.	40.0 PSF	SEQN-	101133
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER Columbia County, FL C2 18' Common)

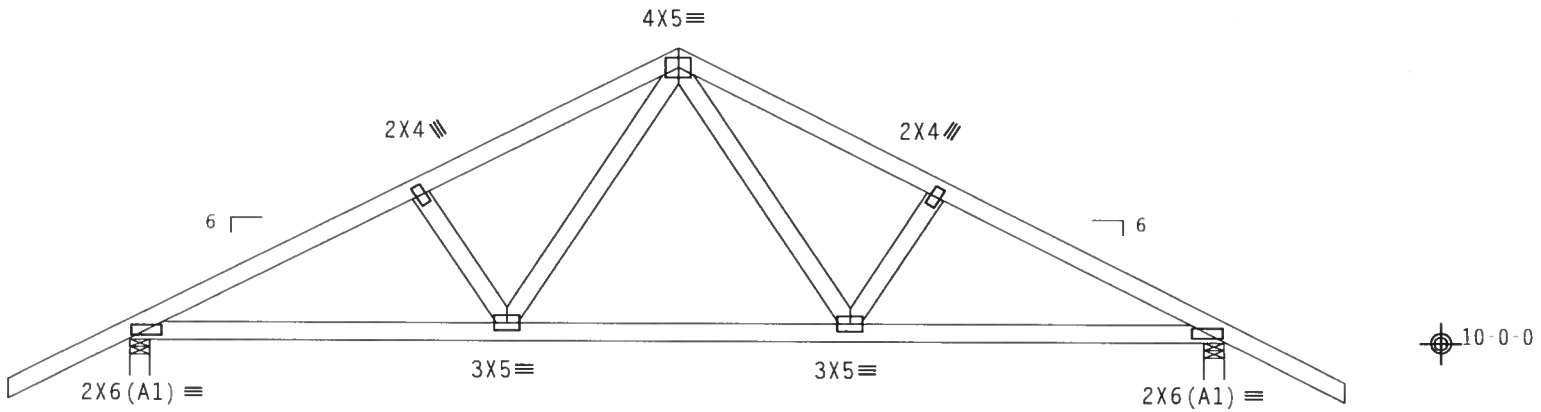
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

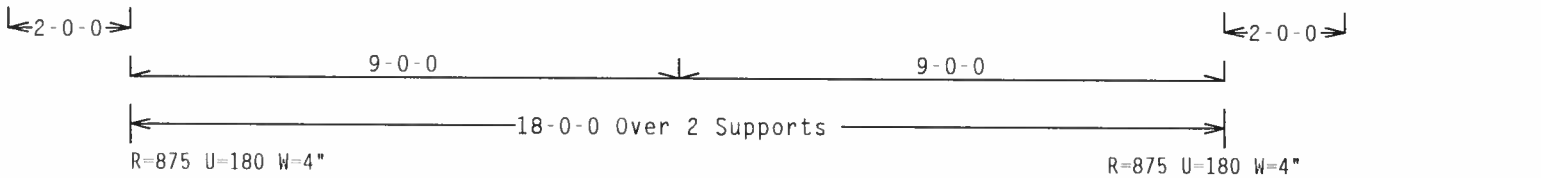
Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 4-10-3.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Plates sized for a minimum of 3.00 sq.in./piece.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.10 QTY:5 FL/-/5/-/-/R/- Scale =.3125"/Ft.

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

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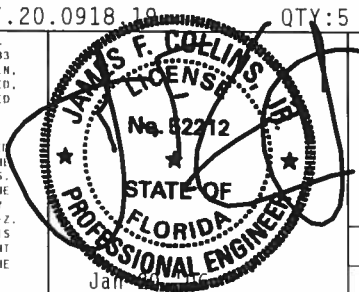


TC LL	20.0 PSF	REF	R215-- 4161
TC DL	10.0 PSF	DATE	01/19/06
BC DL	10.0 PSF	DRW	HCUSR215 06019067
BC LL	0.0 PSF	HC-ENG	RA/WHK *
TOT.LD.	40.0 PSF	SEQN-	101136
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER Columbia County, FL D1GE 13' Gable)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N :M1, M2 2x4 SP #2 Dense:

End verticals exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

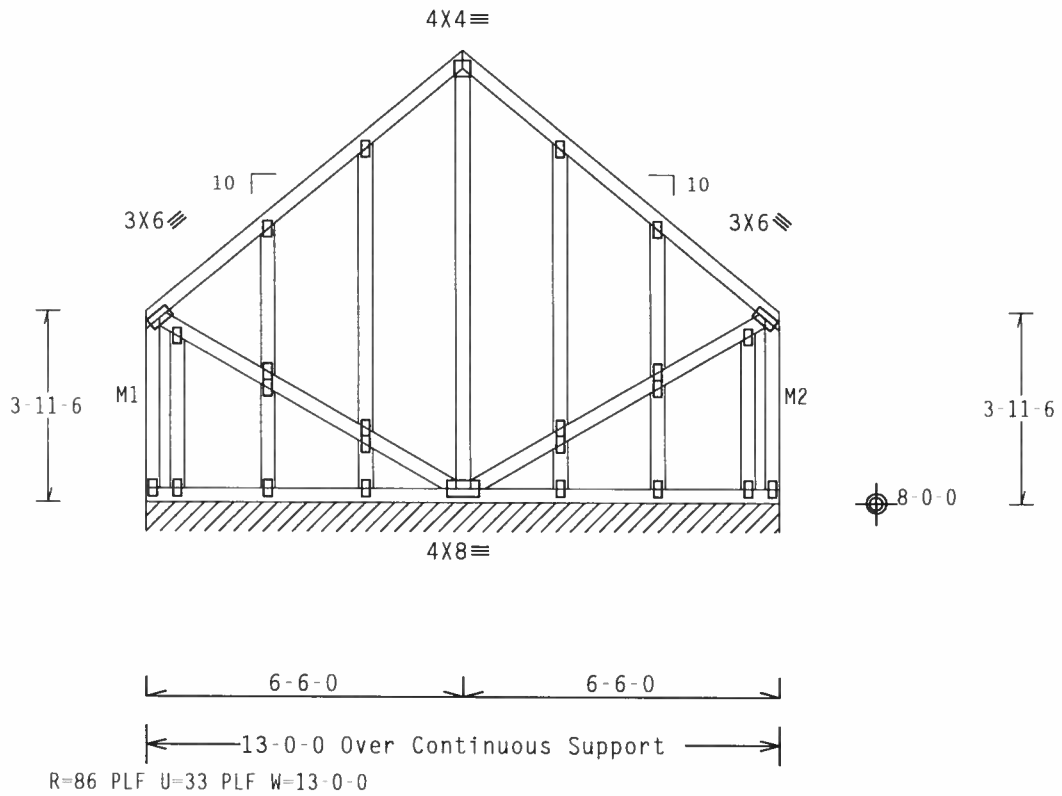
Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 9-4-6.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

Plates sized for a minimum of 3.00 sq.in./piece.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0910 19 QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

ALPINE

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 20 '06

TC LL	20.0 PSF	REF R215-- 4162
TC DL	10.0 PSF	DATE 01/19/06
BC DL	10.0 PSF	DRW HCUSR215 06019057
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 101050
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SU0215_Z07

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

End verticals exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

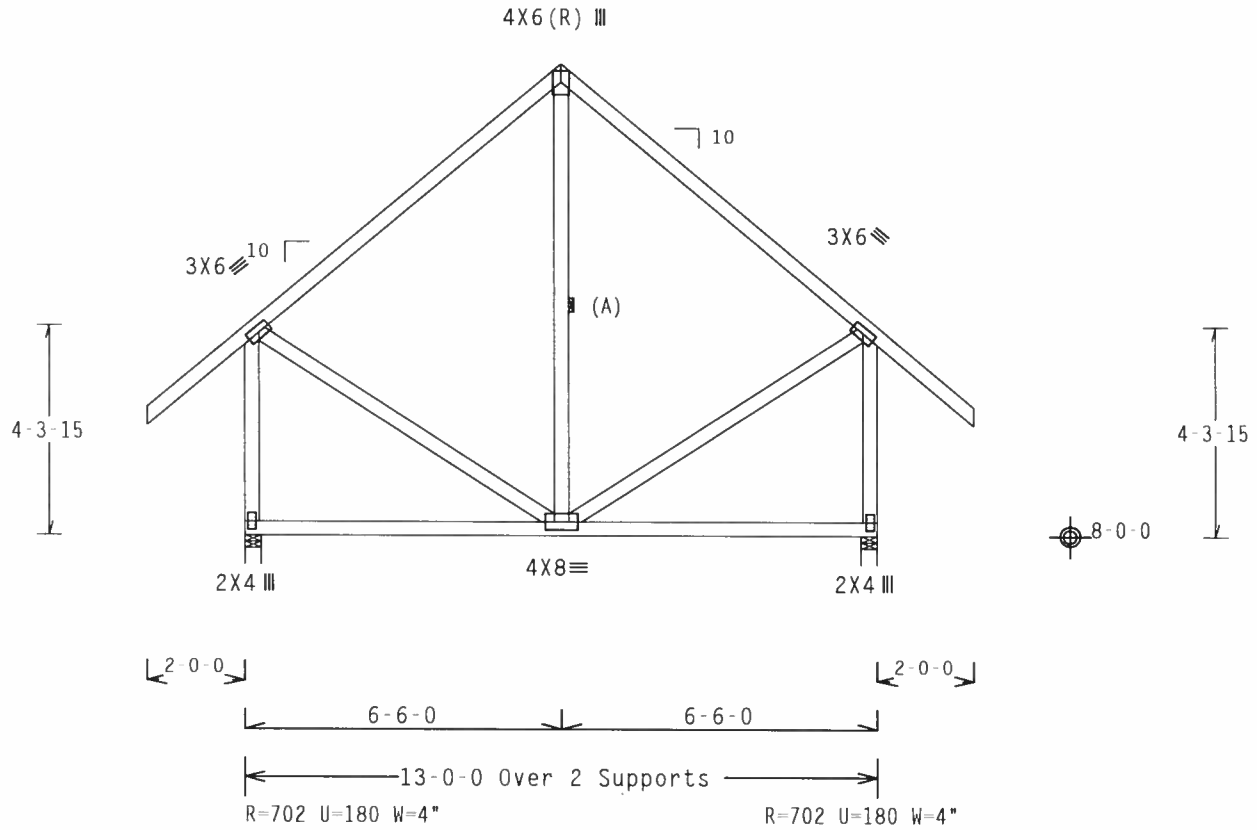
Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 9-8-15.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.20.0918.1

PLT TYP. Wave\R

QTY:1 FL/-/5/-/-/R/- Scale =.25"/Ft.

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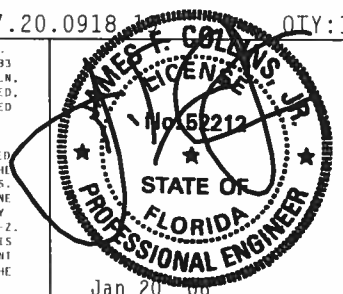


Jan 20 06

TC LL	20.0 PSF	REF	R215-- 4163
TC DL	10.0 PSF	DATE	01/19/06
BC DL	10.0 PSF	DRW	HCUSR215 06019061
BC LL	0.0 PSF	HC-ENG	RA/WHK *
TOT.LD.	40.0 PSF	SEQN-	101053
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SU0215_Z07

Top chord 2x6 SP SS :T2 2x4 SP #2 N:
Bot chord 2x12 SP #2 N :B2 2x4 SP #2 N: :B3 2x12 SP SS:
Webs 2x4 SP #2 N

End verticals not exposed to wind pressure.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 4-5-8 to 21-10-0.

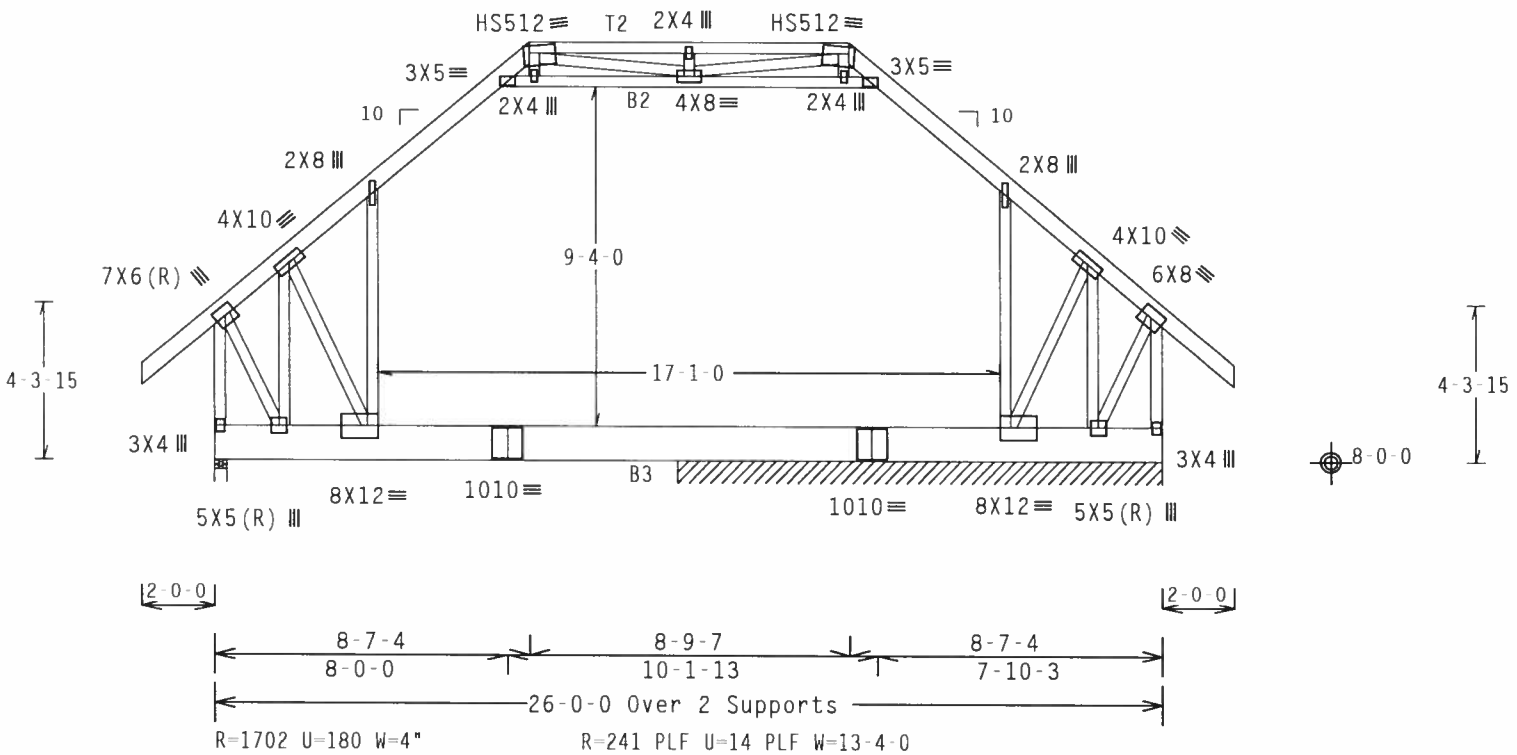
Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 15.08 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 11-6-0.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.10 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE

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Haines City, FL 33844
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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 20, 2006

TC LL	20.0 PSF	REF R215-- 4164
TC DL	10.0 PSF	DATE 01/19/06
BC DL	10.0 PSF	DRW HCUSR215 06019069
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 101201 REV
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SU0215_Z07

(3095-/Brian and Angie Neitzke R /OWNER BUILDER -- Columbia County, FL - F2 26' Stepdown Hip)

Top chord 2x6 SP SS :T2 2x4 SP #2 N:
Bot chord 2x12 SP #2 N :B2 2x4 SP #2 N: :B3 2x12 SP SS:
Webs 2x4 SP #2 N

End verticals not exposed to wind pressure.

Calculated horizontal deflection is 0.14" due to live load and 0.18" due to dead load.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

Deflection meets L/360 live and L/240 total load.

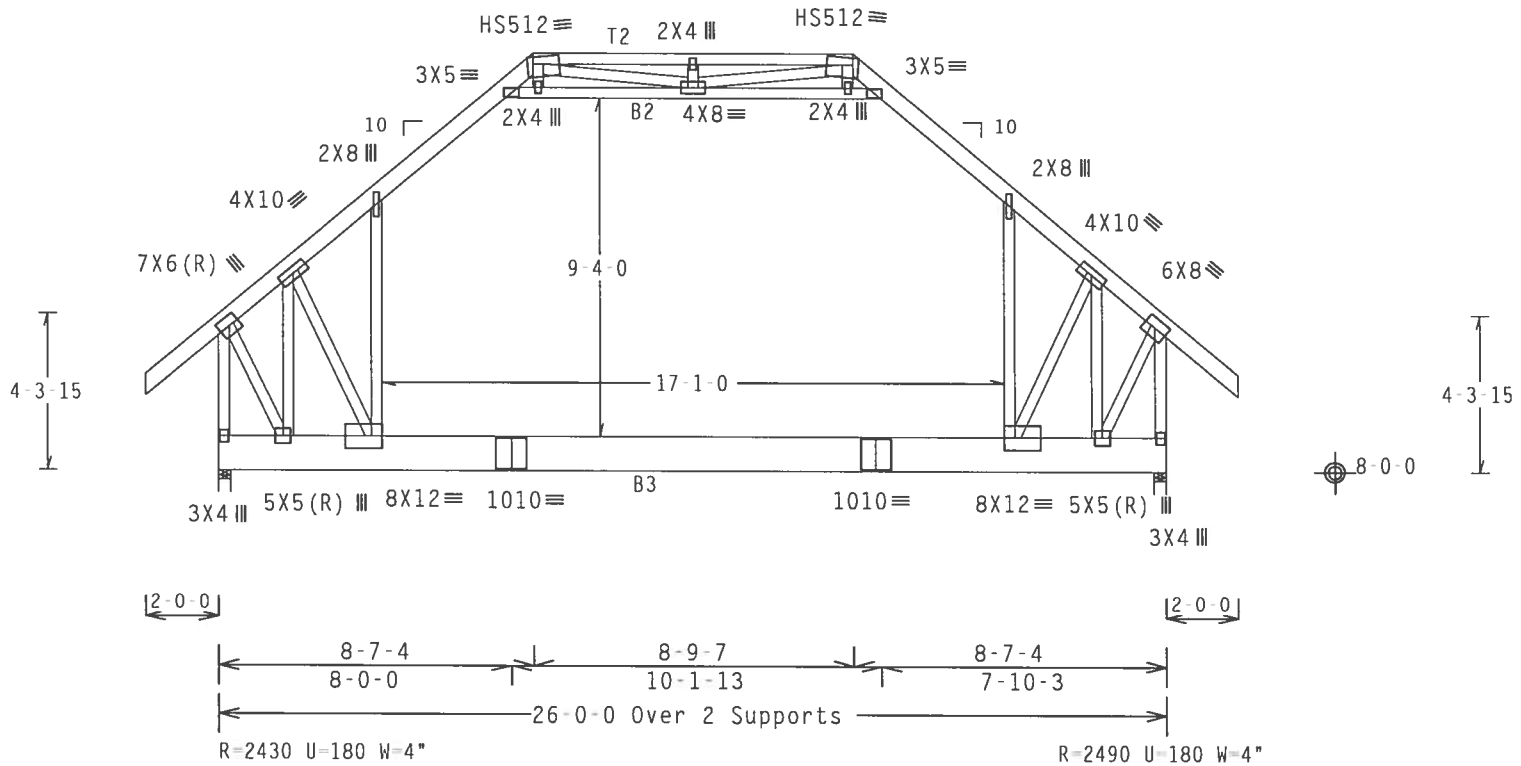
The overall height of this truss excluding overhang is 11-6-0.

110 mph wind, 15.08 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 4-5-8 to 21-10-0.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:3 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE

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

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

Jan 20,2006

TC LL	20.0 PSF	REF	R215-- 4165
TC DL	10.0 PSF	DATE	01/19/06
BC DL	10.0 PSF	DRW	HCUSR215 06019075
BC LL	0.0 PSF	HC-ENG	RA/WHK
TOT.LD.	40.0 PSF	SEQN-	101172 REV
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER Columbia County, FL F3G (2 PLY) 26' Stepdown Hip Girder)

Top chord 2x6 SP SS :T2 2x4 SP #2 N:
Bot chord 2x12 SP #2 N :B2 2x4 SP #2 N: :B3 2x12 SP SS:
Webs 2x4 SP #2 N

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

TC	From	128 PLF	at	-2.00	to	128 PLF	at 0.00
TC	From	258 PLF	at	0.00	to	211 PLF	at 4.46
TC	From	262 PLF	at	4.46	to	226 PLF	at 7.85
TC	From	176 PLF	at	7.85	to	168 PLF	at 8.61
TC	From	128 PLF	at	8.61	to	128 PLF	at 18.15
TC	From	178 PLF	at	18.15	to	178 PLF	at 21.54
TC	From	128 PLF	at	21.54	to	128 PLF	at 28.00
PLT	From	39 PLF	at	8.15	to	39 PLF	at 17.85
BC	From	10 PLF	at	-2.00	to	10 PLF	at 0.00
BC	From	39 PLF	at	0.00	to	39 PLF	at 4.46
BC	From	233 PLF	at	4.46	to	233 PLF	at 21.54
BC	From	39 PLF	at	21.54	to	39 PLF	at 26.00
BC	From	10 PLF	at	26.00	to	10 PLF	at 28.00

BC 252 LB Conc. Load at 4.46, 21.54

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

Collar-tie braced with continuous lateral bracing at 24" OC.

Deflection meets L/240 live and L/180 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 11-6-0.

LOADING HAS BEEN CALCULATED BY THE DESIGNER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO VERIFY AND APPROVE THE LOADING.

2 COMPLETE TRUSSES REQUIRED

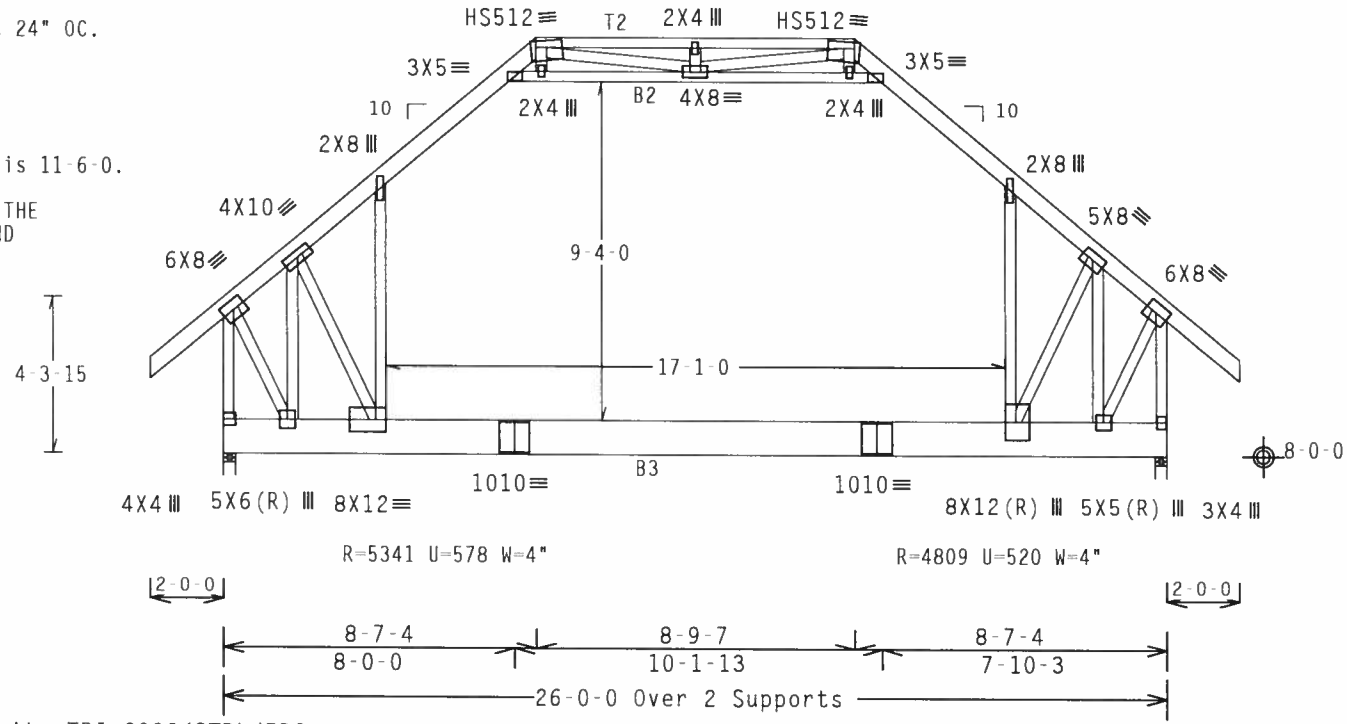
Nailing Schedule: (10d_Box_or_Gun_(0.128"x3"_min.)_nails)
Top Chord: 1 Row @11.50" o.c.
Bot Chord: 1 Row @ 9.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.08 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.38 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

Trusses to be spaced at 46.5" OC maximum.

End verticals exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:3 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE
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1950 Marley Drive
Haines City, FL 33844
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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 20 06

TC LL	20.0 PSF	REF	R215-- 4166
TC DL	10.0 PSF	DATE	01/19/06
BC DL	10.0 PSF	DRW	HCUSR215 06019071
BC LL	0.0 PSF	HC-ENG	RA/WHK
TOT.LD.	40.0 PSF	SEQN-	101207 REV
DUR.FAC.	1.25	FROM	CDM
SPACING	46.5"	JREF-	1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER Columbia County, FL F4 26' Stepdown Hip)

Top chord 2x6 SP SS :T2 2x4 SP #2 N:
Bot chord 2x12 SP #2 N :B2 2x4 SP #2 N: :B3 2x12 SP SS:
Webs 2x4 SP #2 N :W1 2x6 SP #2 N:

End verticals not exposed to wind pressure.

Calculated horizontal deflection is 0.14" due to live load and 0.17" due to dead load.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

Deflection meets L/360 live and L/240 total load.

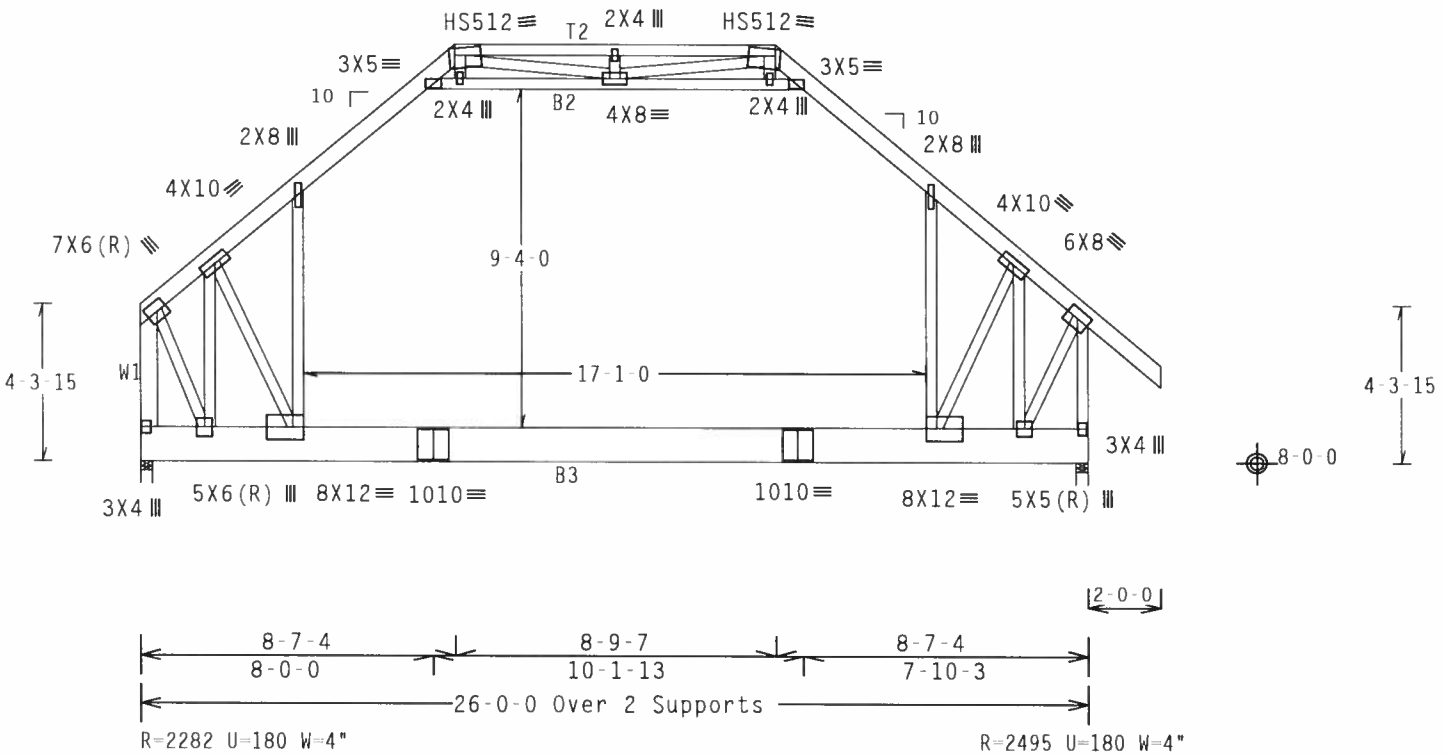
The overall height of this truss excluding overhang is 11-6-0.

110 mph wind, 15.08 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 4-5-8 to 21-10-0.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.29 QTY:2 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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

JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 20 '06

TC LL	20.0 PSF	REF	R215-- 4167
TC DL	10.0 PSF	DATE	01/19/06
BC DL	10.0 PSF	DRW	HCUSR215 06019076
BC LL	0.0 PSF	HC-ENG	RA/WHK
TOT.LD.	40.0 PSF	SEQN-	101178 REV
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER Columbia County, FL F5 8'9" Common)

Top chord 2x6 SP #2 N
Bot chord 2x12 SP #2 N
Webs 2x4 SP #2 N

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 11-7-7.

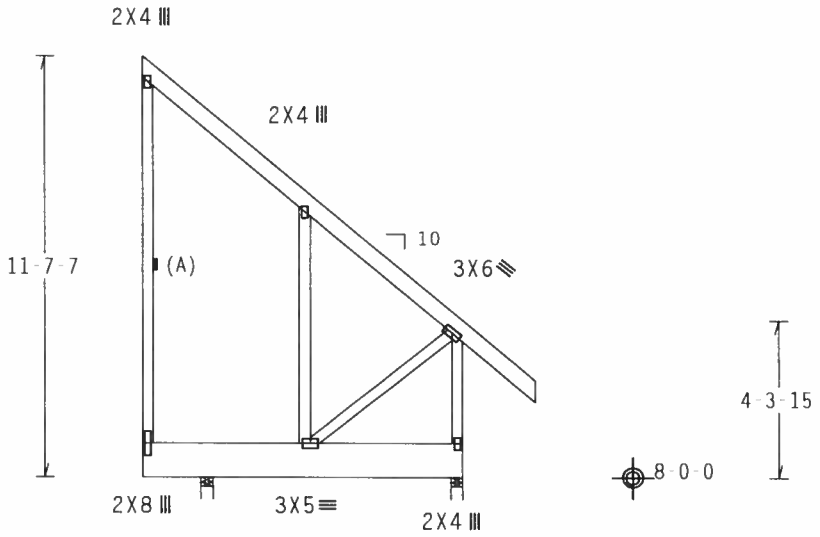
End verticals exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

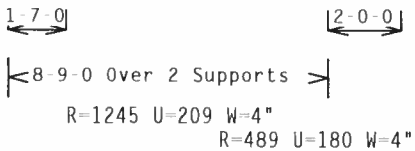
110 mph wind, 15.14 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 0-3-8 to 4-3-8.

Plates sized for a minimum of 3.00 sq.in./piece.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.19 QTY:3 FL/-/5/-/-/R/- Scale =.1875"/Ft.

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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/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

TC LL	20.0 PSF	REF R215-- 4168
TC DL	10.0 PSF	DATE 01/19/06
BC DL	10.0 PSF	DRW HCUSR215 06019074
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 101194
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER Columbia County, FL F6GE 7'10" Gable)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N :W1 2x4 SP SS:

End verticals not exposed to wind pressure.

See DWGS A11030EE0405 & GBLLETIN0405 for more requirements.

Deflection meets L/360 live and L/240 total load.

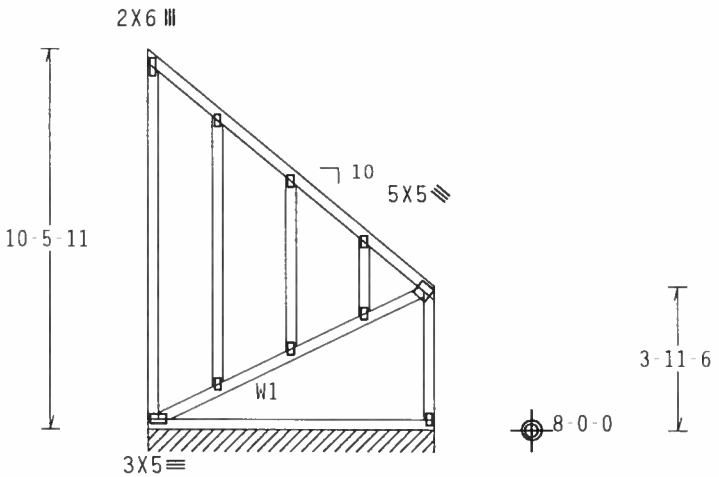
The overall height of this truss excluding overhang is 10-5-11.

110 mph wind, 15.21 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.49" due to live load and 0.12" due to dead load.

Plates sized for a minimum of 3.00 sq.in./piece.

THE JOB ENGINEER OR 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 JOB ENGINEER OR BUILDING DESIGNER.



7-10-0 Over Continuous Support

R=86 PLF U=73 PLF W=7-10-0

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.19 QTY:1 FL/-/5/-/-/R/- Scale =.1875"/Ft.

ALPINE

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

Jan 06

TC LL	20.0 PSF	REF R215-- 4169
TC DL	10.0 PSF	DATE 01/19/06
BC DL	10.0 PSF	DRW HCUSR215 06019077
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 101140
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER -- Columbia County, FL - J1 1' Jack)

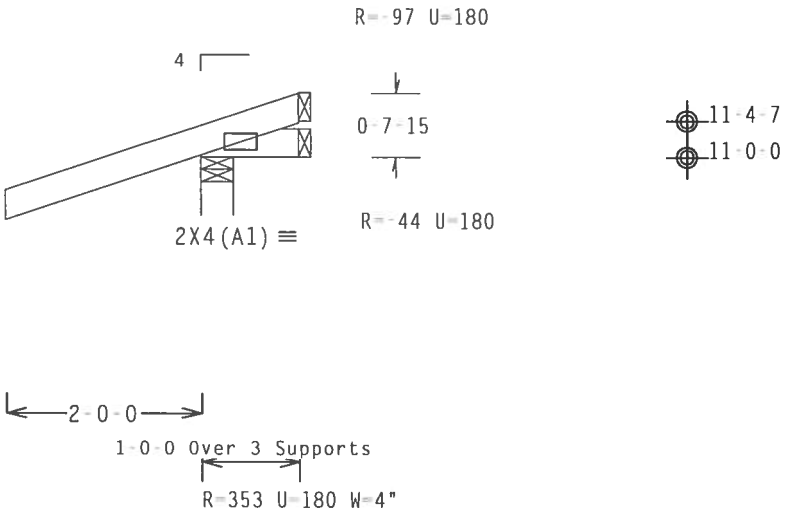
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 0-7-15.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.19 QTY:2 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

Jan

TC LL	20.0 PSF	REF R215-- 4170
TC DL	10.0 PSF	DATE 01/19/06
BC DL	10.0 PSF	DRW HCUSR215 06019062
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 101083
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER -- Columbia County, FL - J3 3' Jack)

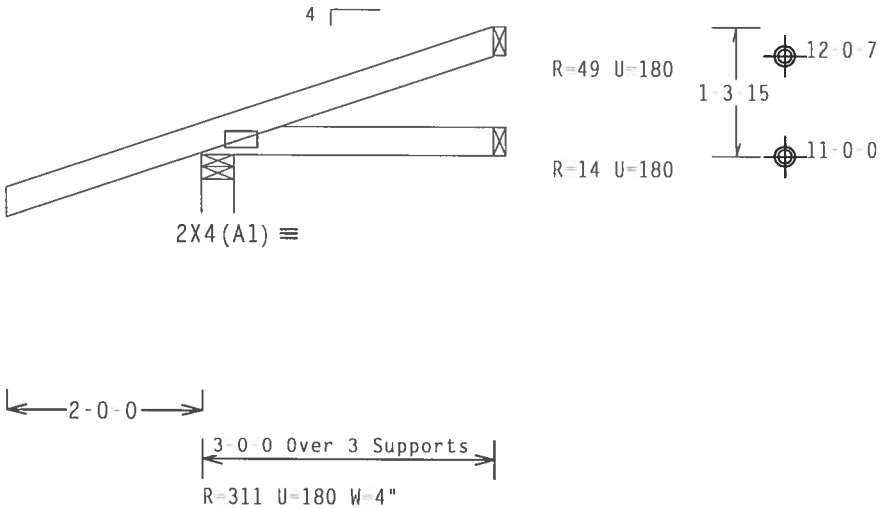
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 1-3-15.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.20.0918.10

PLT TYP. Wave\R

QTY:2 FL/-/5/-/-/R/- Scale =.5"/Ft.

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 20,2006

TC LL	20.0 PSF	REF R215-- 4171
TC DL	10.0 PSF	DATE 01/19/06
BC DL	10.0 PSF	DRW HCUSR215 06019063
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 101087
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER -- Columbia County, FL - J5 5' Jack)

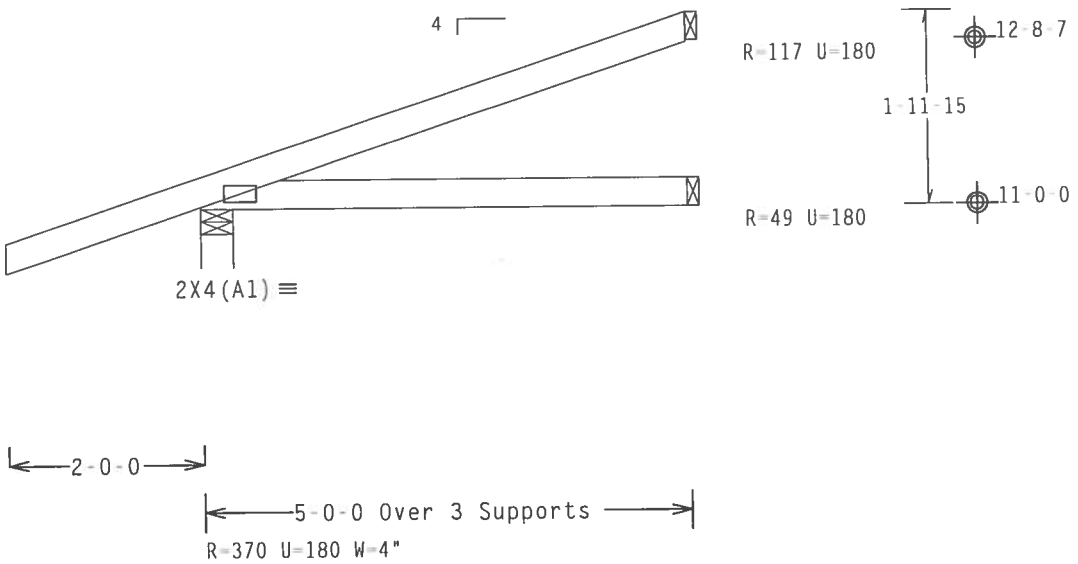
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 1-11-15.

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

Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.20.0918.19

PLT TYP. Wave\R

QTY:2 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

Jan 20[illegible]

TC LL	20.0 PSF	REF R215-- 4172
TC DL	10.0 PSF	DATE 01/19/06
BC DL	10.0 PSF	DRW HCUSR215 06019064
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	40.0 PSF	SEQN- 101090
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SU0215_Z07

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

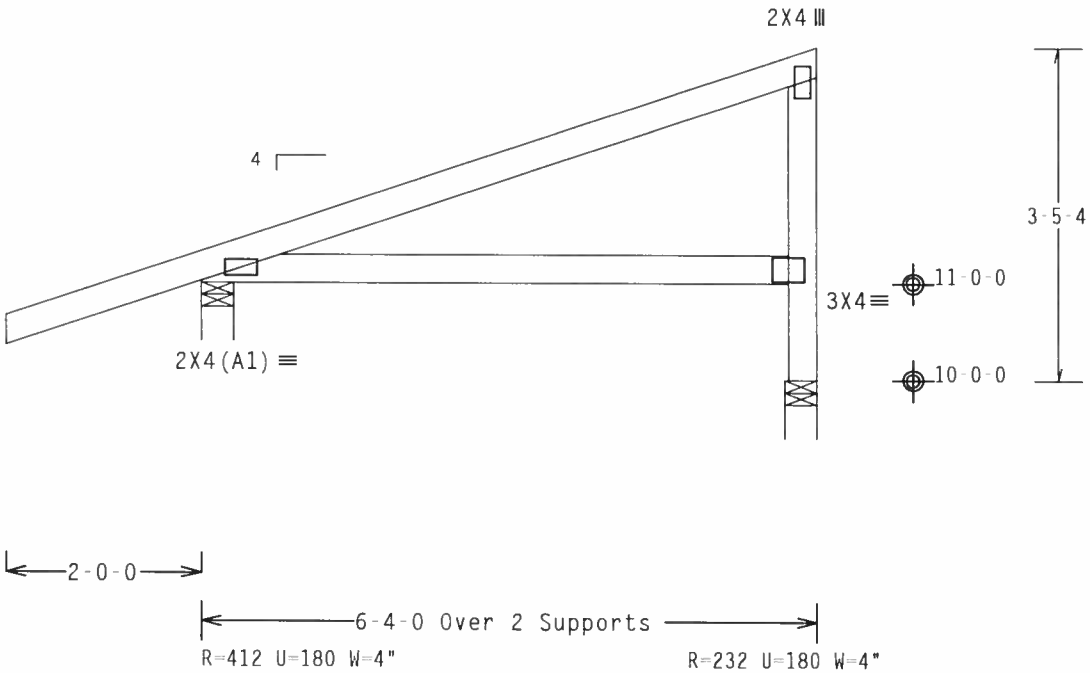
Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

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

Right end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 2-5-4.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0910.19 QTY:10 FL/-/5/-/-/R/- Scale =.5"/Ft.

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JAMES E. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 20 06

TC LL	20.0 PSF	REF R215-- 4173
TC DL	10.0 PSF	DATE 01/19/06
BC DL	10.0 PSF	DRW HCUSR215 06019081
BC LL	0.0 PSF	HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN- 101093
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER -- Columbia County, FL - J6A 5'9"11 End Jack)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

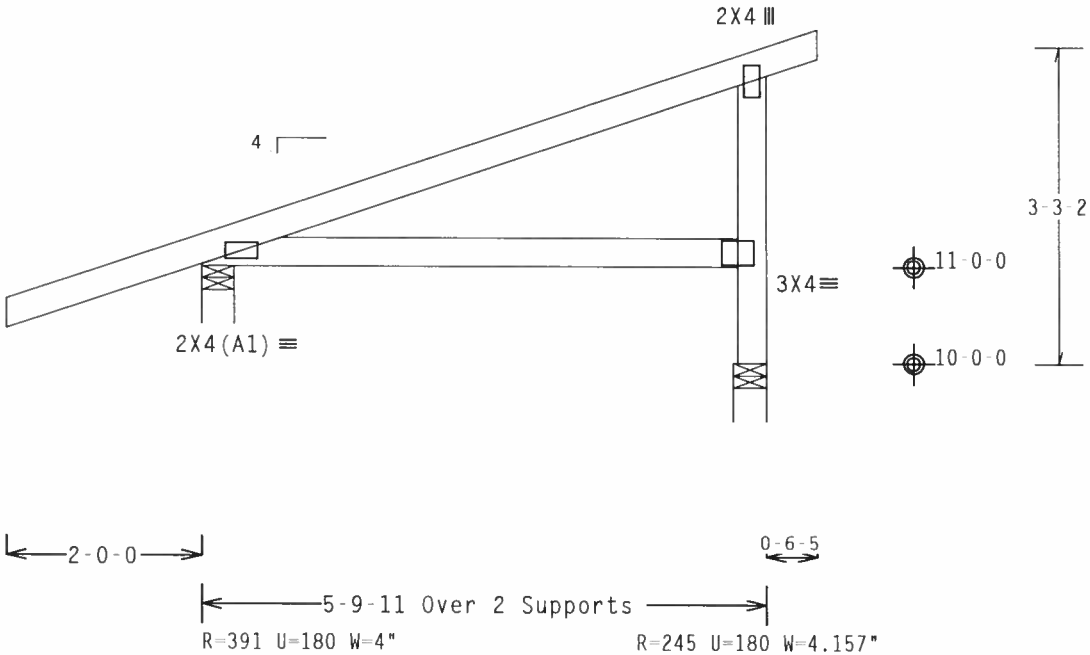
Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

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

Right end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 2-5-4.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.20.0918

PLT TYP. Wave\R

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

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FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 20 06

TC LL	20.0 PSF	REF R215-- 4174
TC DL	10.0 PSF	DATE 01/19/06
BC DL	10.0 PSF	DRW HCUSR215 06019058
BC LL	0.0 PSF	HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN- 101110
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SU0215_Z07

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

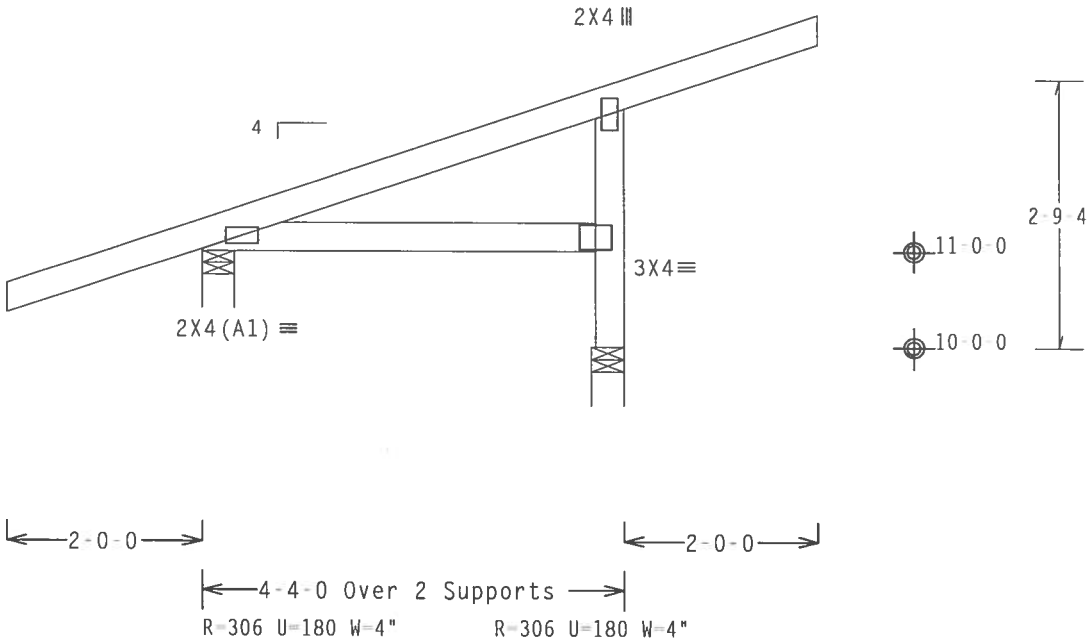
Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 2-5-4.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.10 QTY:3 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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

TC LL	20.0 PSF	REF R215-- 4175
TC DL	10.0 PSF	DATE 01/19/06
BC DL	10.0 PSF	DRW HCUSR215 06019066
BC LL	0.0 PSF	HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN- 101113
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER Columbia County, FL J6C 5'6"3 End Jack)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

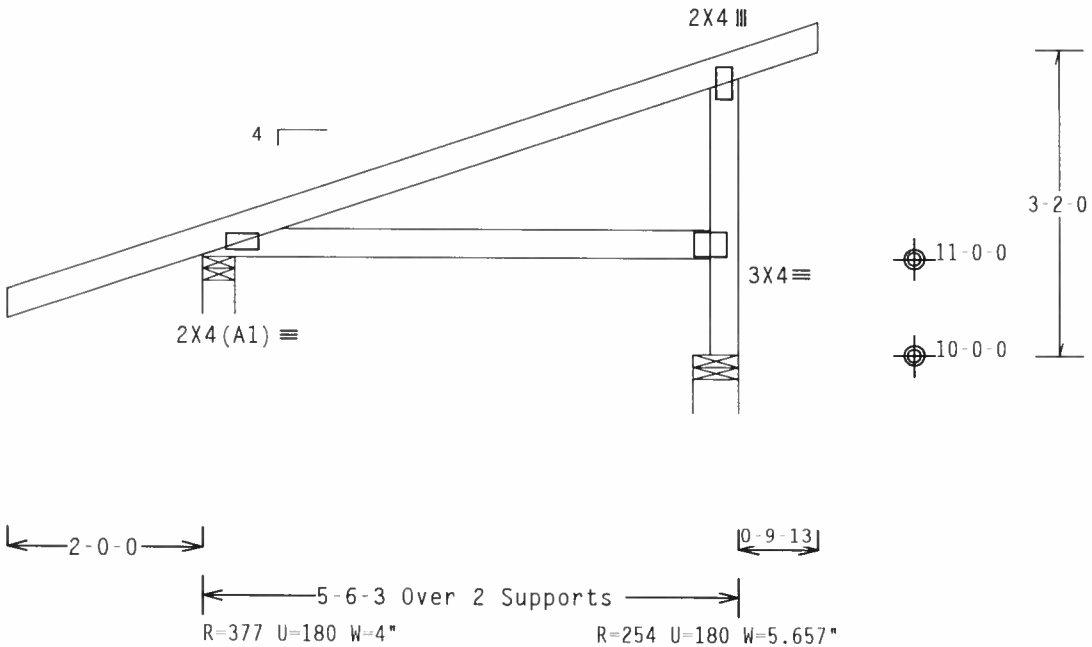
Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

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

Right end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 2-5-4.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 20 06

TC LL	20.0 PSF	REF R215-- 4176
TC DL	10.0 PSF	DATE 01/19/06
BC DL	10.0 PSF	DRW HCUSR215 06019065
BC LL	0.0 PSF	HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN- 101116
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER -- Columbia County, FL - J6D 6'4" End Jack)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

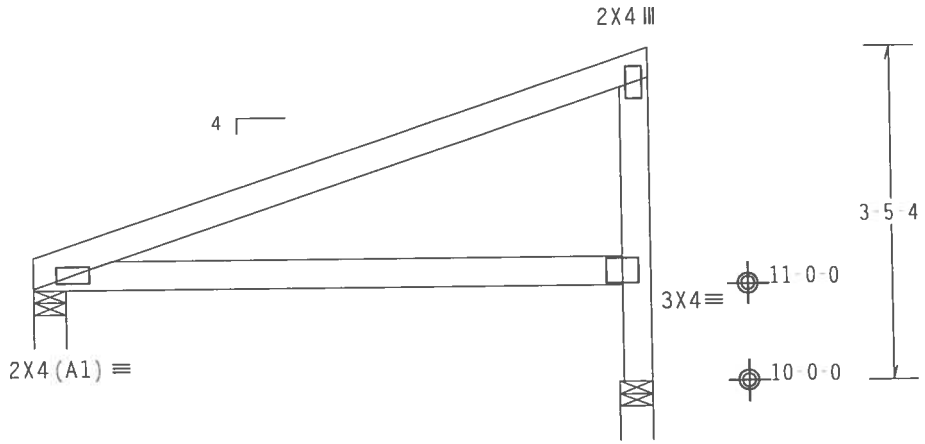
Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

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

Right end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 2-5-4.



6-4-0 Over 2 Supports

R=257 U=180 W=4" R=257 U=180 W=4"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.20.0918.9

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

ALPINE

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

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

Jan 20 06

TC LL	20.0 PSF	REF R215-- 4177
TC DL	10.0 PSF	DATE 01/19/06
BC DL	10.0 PSF	DRW HCUSR215 06019068
BC LL	0.0 PSF	HC-ENG RA/WHK *
TOT.LD.	40.0 PSF	SEQN- 101119
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER Columbia County, FL JH 8'11"8 Hip Jack Girder)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Hipjack supports 6-4-0 setback jacks with no webs.

Deflection meets L/360 live and L/240 total load.

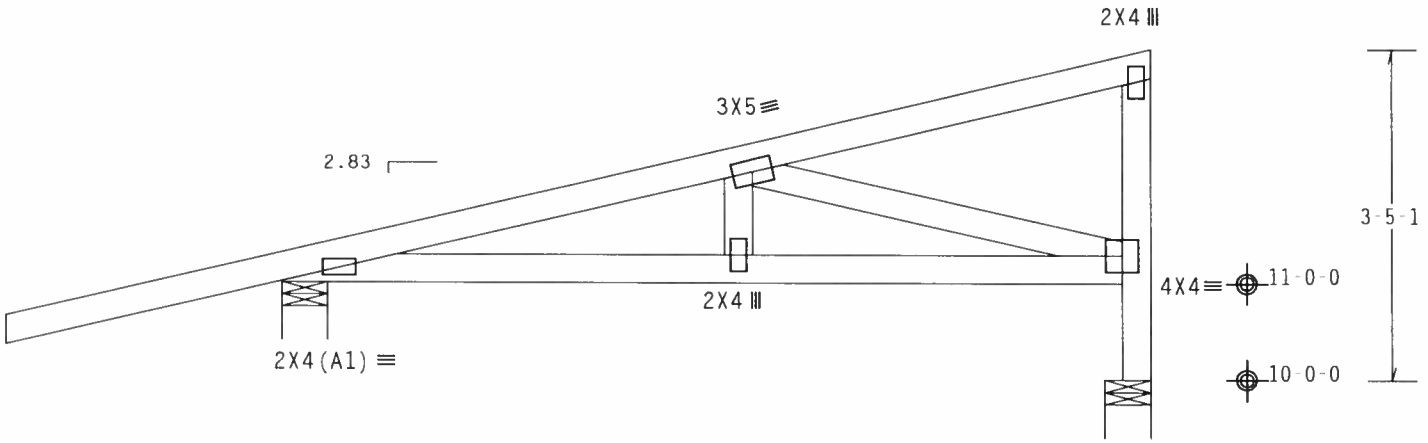
Top chord overhangs have been checked only for loads as indicates.
Overhangs not checked for man loads or long-term deflection.

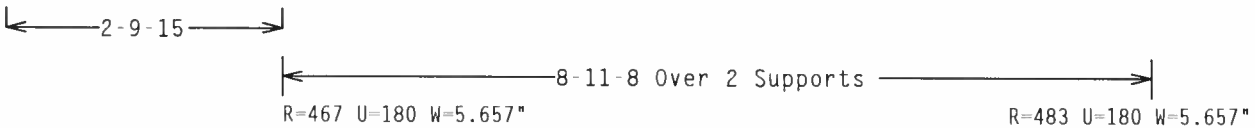
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 2-5-2.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918 QTY:1 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 20 '06

TC LL	20.0 PSF	REF	R215-- 4178
TC DL	10.0 PSF	DATE	01/19/06
BC DL	10.0 PSF	DRW	HCUSR215 06019079
BC LL	0.0 PSF	HC-ENG	RA/WHK
TOT.LD.	40.0 PSF	SEQN-	101107
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER -- Columbia County, FL - PB A1 4'3"12 Common)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

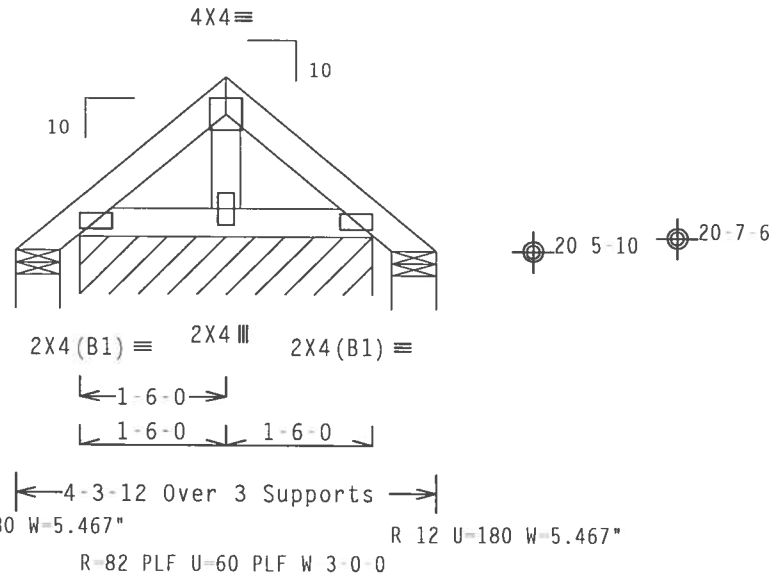
Plates sized for a minimum of 3.00 sq.in./piece.

REFER TO DRAWING PIGBACKB0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO
BE BRACED AT 24" O.C.

110 mph wind, 21.37 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 1-9-9.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Cq/RT=1.00(1.25)/10(0) 7.20.0918.19 QTY:11 FL/-/5/-/-/R/- Scale =.5"/Ft.

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

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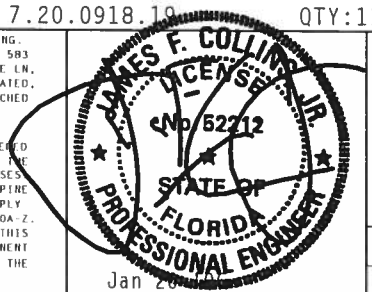


Jan 20

TC LL	20.0 PSF	REF	R215-- 4179
TC DL	10.0 PSF	DATE	01/19/06
BC DL	2.0 PSF	DRW	HCUSR215 06019080
BC LL	0.0 PSF	HC-ENG	RA/WHK
TOT.LD.	32.0 PSF	SEQN-	101072
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SU0215_Z07

(3095 /Brian and Angie Neitzke R /OWNER BUILDER Columbia County, FL - PB F1 8'9"7 Common)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

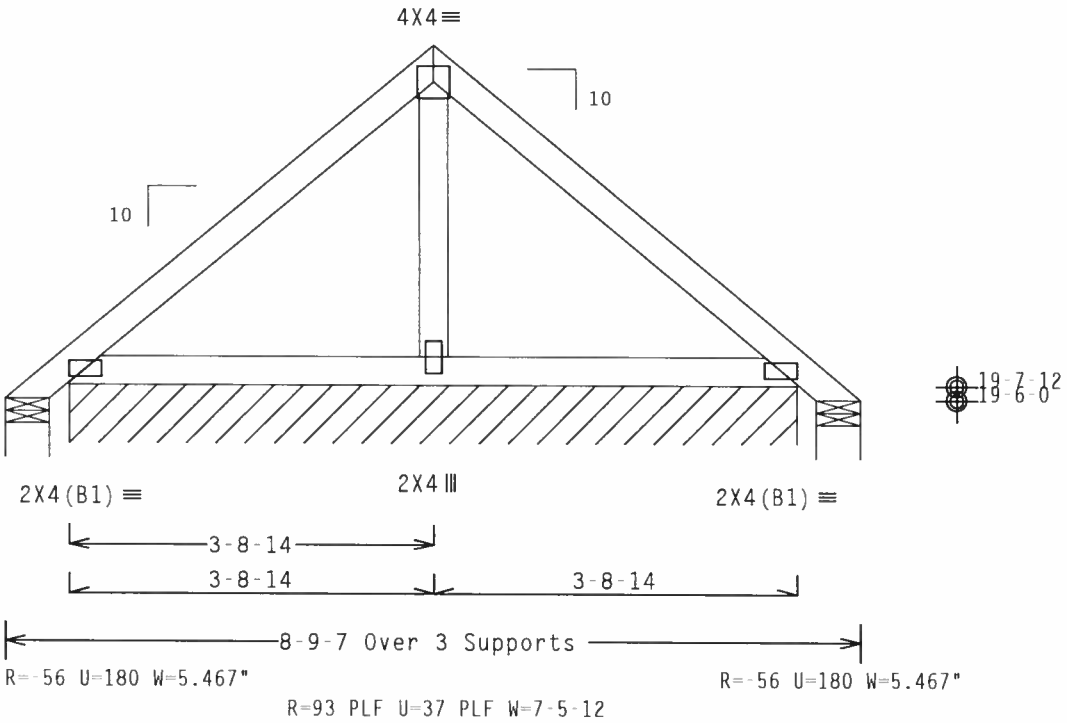
Plates sized for a minimum of 3.00 sq.in./piece.

REFER TO DRAWING PIGBACKB0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO
BE BRACED AT 24" O.C.

110 mph wind, 21.33 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 3-7-15.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave\R Cq/RT=1.00(1.25)/10(0) 7.20.0918.19 QTY:9 FL/-/5/-/-/R/- Scale =.5"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
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JAMES F. COLLINS, JR. LICENSED No.54212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF	R215-- 4180
TC DL	10.0 PSF	DATE	01/19/06
BC DL	2.0 PSF	DRW	HCUSR215 06019072
BC LL	0.0 PSF		HC-ENG RA/WHK
TOT.LD.	32.0 PSF	SEQN-	101181
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1SU0215_Z07

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

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

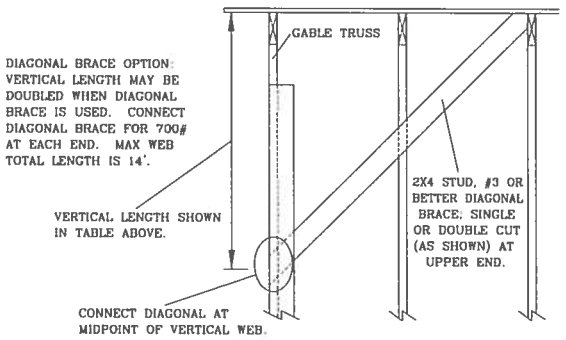
SOUTHERN PINE
#3
STUD
STANDARD

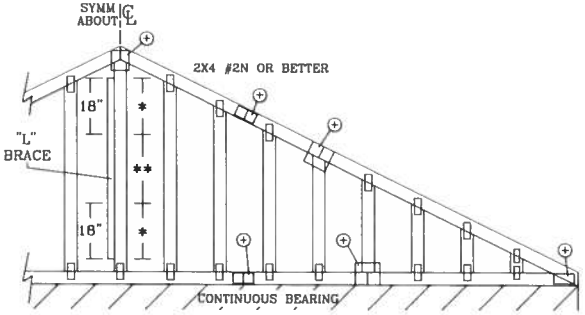
GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

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

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

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

GABLE VERTICAL PLATE SIZES

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

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

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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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 (W,H/S/K) ASTM A653 GRADE 40/60 (W,K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

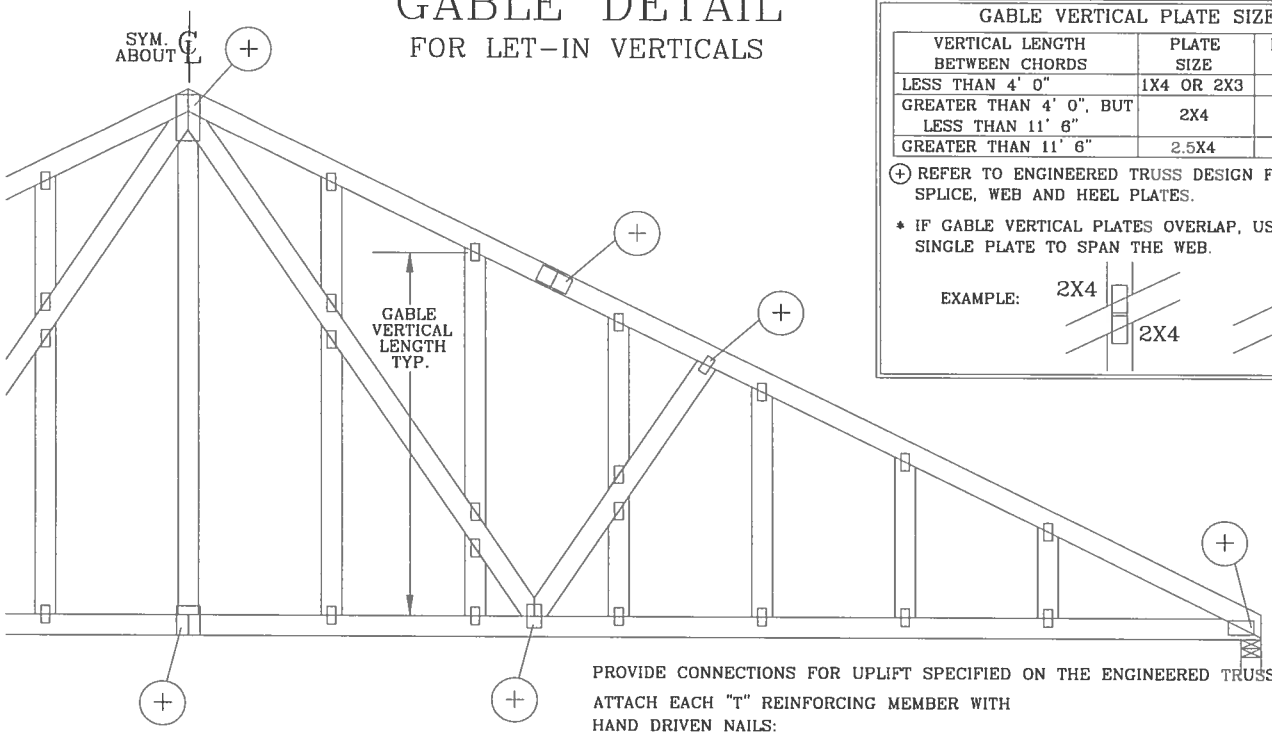
MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11030
DATE	04/14/05
DRWG	A11030EE0405
	-ENG

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER Jan 20 '06

GABLE DETAIL
FOR LET-IN VERTICALS

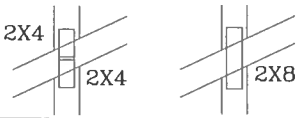


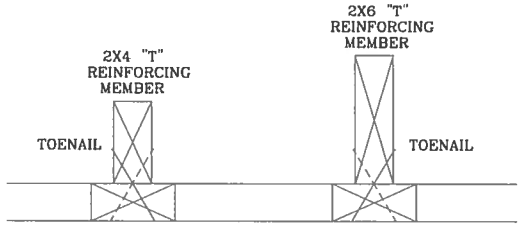
GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

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

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

EXAMPLE:





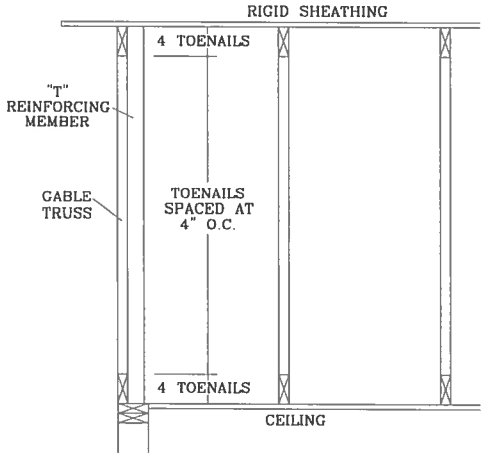
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

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

WEB LENGTH INCREASE W/ "T" BRACE

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

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



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON (0.148"X 3.",MIN) TOENAILS AT 4" O.C. PLUS
(4) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP AND BOTTOM CHORD.
GUN DRIVEN NAILS:
8d COMMON (0.131"X 2.5",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08515EE0405,
A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08530EE0405

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

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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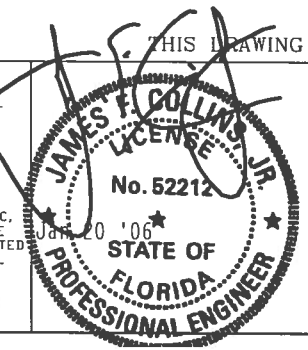


MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF	LET-IN VERT
DATE	04/14/05
DRWG	GBLLETIN0405
-ENG	DLJ/KAR

ASCE 7-02: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

DOUGLAS FIR-LARCH	SOUTHERN PINE
#3	#3
STUD	STUD
STANDARD	STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE	DOUGLAS FIR-LARCH
#1	#1
#2	#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

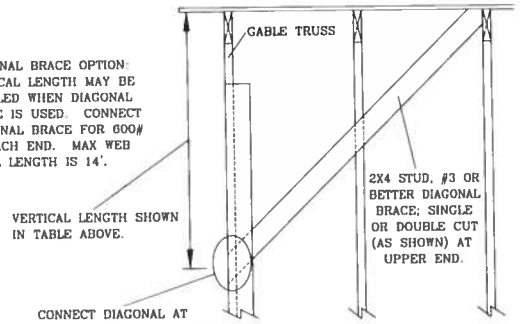
PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

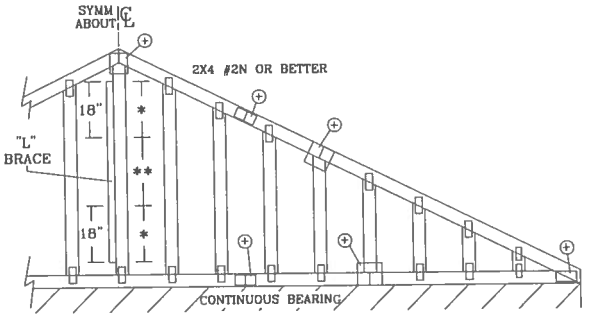
GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

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

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

DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 600# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE VERTICAL PLATE SIZES

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

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

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. 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/K) ASTM A653 GRADE 40/60 (W,K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GABI1015
DATE	04/15/05
DRWG	A11015EE0405
-ENG	

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

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

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

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

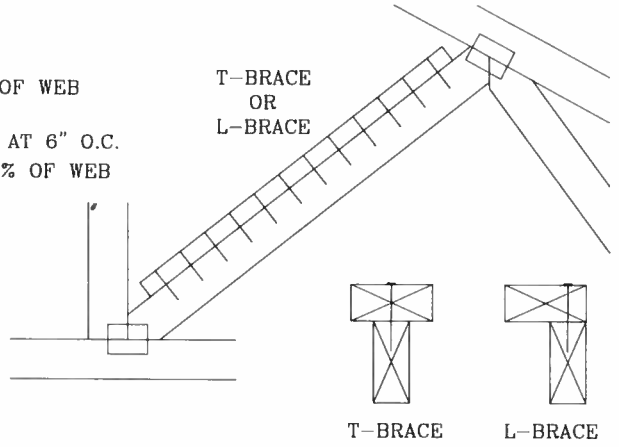
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE

ATTACH WITH 16d NAILS AT 6" O.C.

BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH

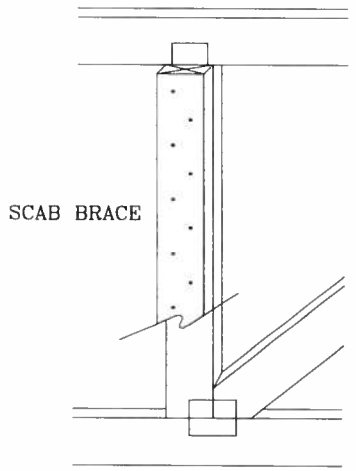


SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.

NO MORE THAN (1) SCAB PER FACE.

ATTACH WITH 10d OR .128"x3" GUN NAILS AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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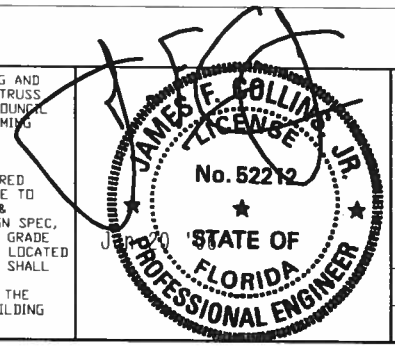

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRCLBSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			