

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: ISWG487-Z0117144210

Truss Fabricator: Anderson Truss Company
Job Identification: 6-138--Kent Harris Construction Sugar Hill -- , **
Truss Count: 14
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.24.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 32.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 130 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: HCUSR487

Details: A13015EE-GBLLETIN-PIGBACKB-



Seal Date: 04/17/2006

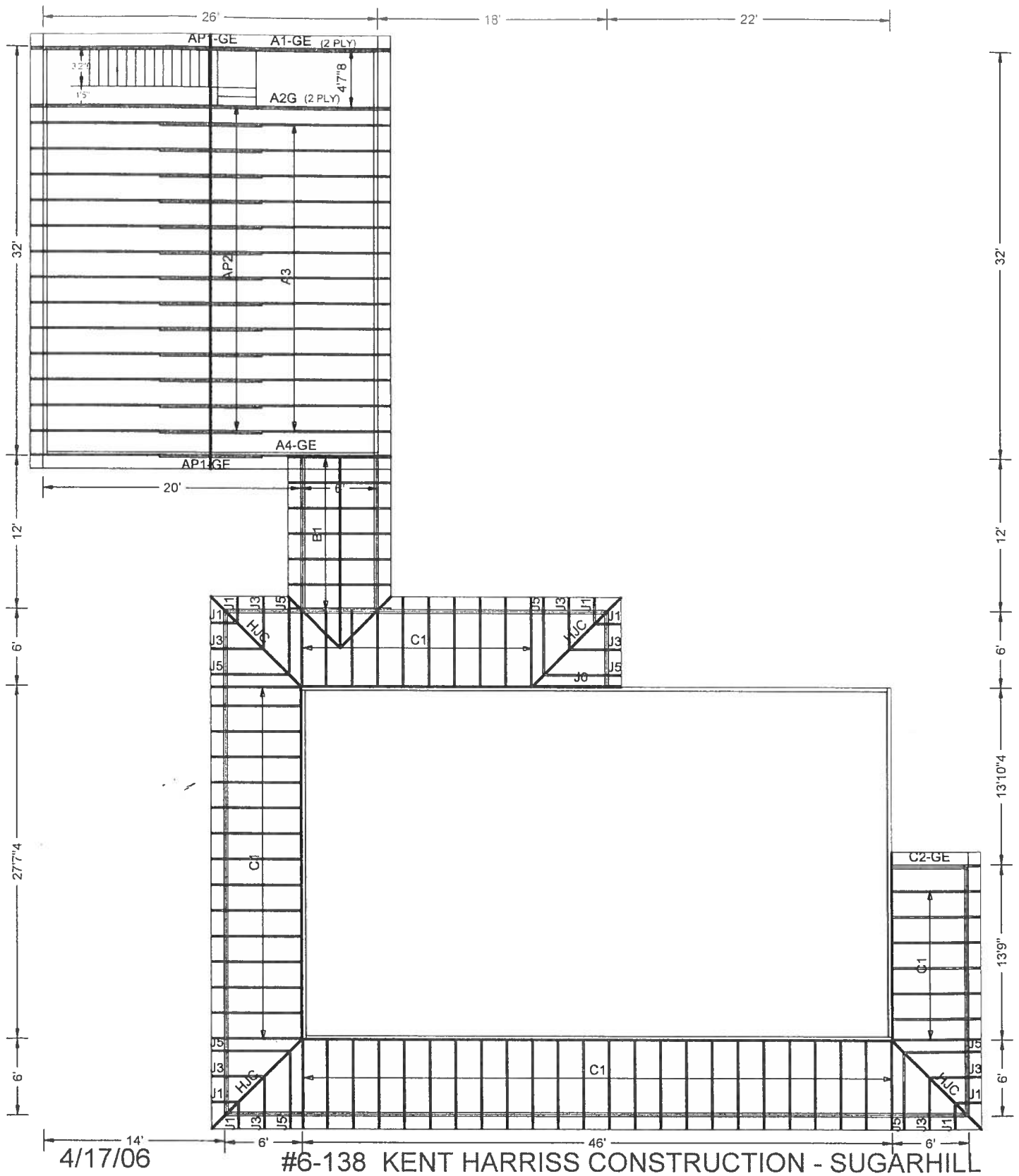
-Truss Design Engineer-
Arthur R. Fisher

Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	20065--A1-GE		06107007	04/17/06
2	20066--A2G		06107008	04/17/06
3	20067--A3		06107009	04/17/06
4	20068--A4-GE		06107010	04/17/06
5	20069--B1		06107001	04/17/06
6	20070--C1		06107002	04/17/06
7	20071--C2-GE		06107011	04/17/06
8	20072--HJC		06107012	04/17/06
9	20073--J6		06107003	04/17/06
10	20074--J5		06107004	04/17/06
11	20075--J3		06107005	04/17/06
12	20076--J1		06107013	04/17/06
13	20077--AP2		06107014	04/17/06
14	20078--AP1-GE		06107015	04/17/06

Permit NO
24274





4/17/06

#6-138 KENT HARRISS CONSTRUCTION - SUGARHILL

Scale: 3/32" = 1'

758-0022
365-7086

Top chord 2x4 SP #2 Dense : T3, T5 2x6 SP #1 Dense :
Bot chord 2x8 SP SS : B3 2x4 SP #2 Dense :
Webs 2x4 SP #3

SPECIAL LOADS

----- (LUMBER DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25)
TC - From 144 PLF at -1.00 to 144 PLF at 7.50
TC - From 187 PLF at 7.50 to 144 PLF at 9.00
TC - From 144 PLF at 9.00 to 144 PLF at 18.16
TC - From 187 PLF at 18.16 to 144 PLF at 21.24
TC - From 144 PLF at 21.24 to 144 PLF at 27.00
PLT - From 30 PLF at 8.51 to 30 PLF at 17.49
BC - From 8 PLF at -1.00 to 8 PLF at 0.00
BC - From 30 PLF at 0.00 to 30 PLF at 7.50
BC - From 180 PLF at 7.50 to 180 PLF at 18.50
BC - From 30 PLF at 18.50 to 30 PLF at 26.00
BC - From 8 PLF at 26.00 to 8 PLF at 27.00
BC - 230 LB Conc. Load at 7.50, 18.50

Trusses to be spaced at 36.0" OC maximum.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 48" OC.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun @ 0.128"x3.25", min.)_nails)
Top Chord: 1 Row @ 12.00" O.C.
Bot Chord: 1 Row @ 11.25" O.C.
Webs : 1 Row @ 4" O.C.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

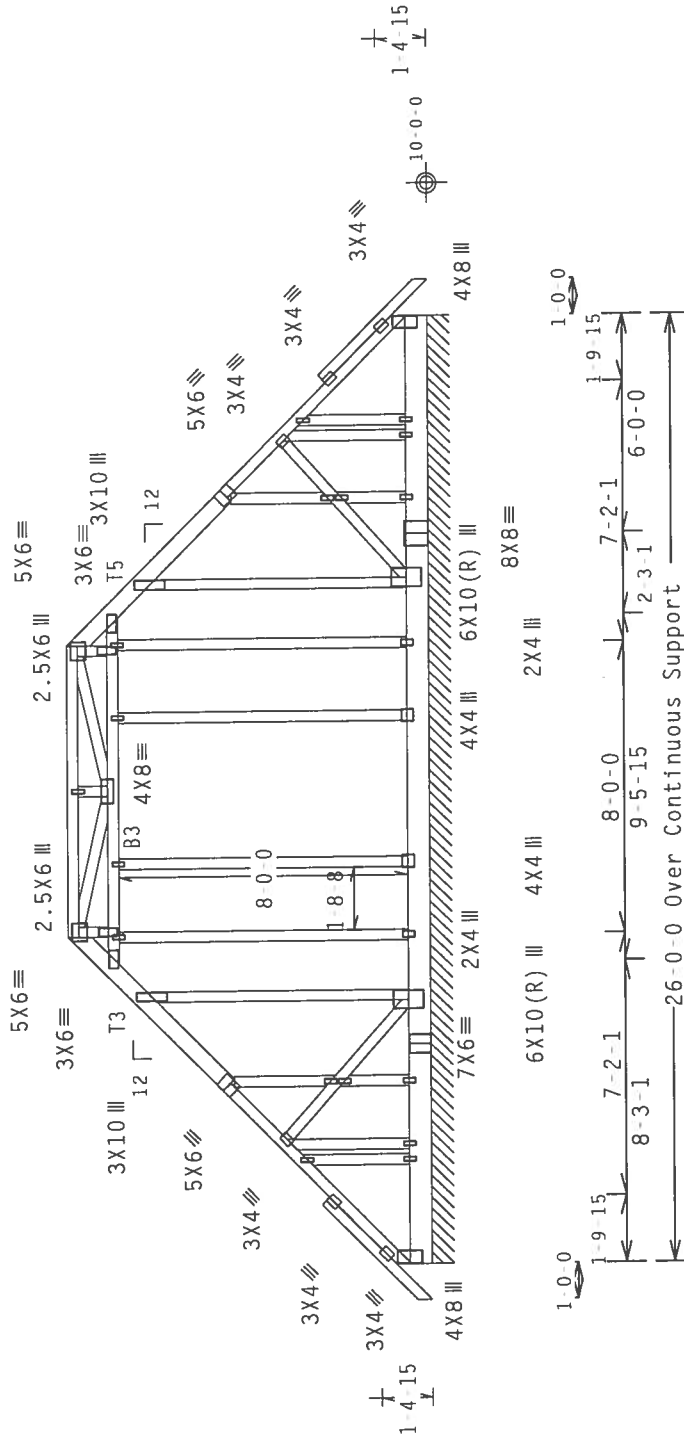
130 mph wind, 15.21 ft mean htg, ASCE 7-02, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



R=279 PLF U-71 PLF W-26-0-0

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24.1

Scale = .1875" / Ft.

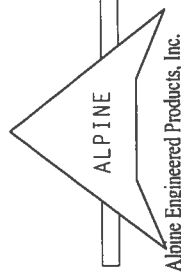
FL / - / 4 / - / R / -

TY: 1

TC LL	20.0 PSF	REF	R487 -	20065
TC DL	10.0 PSF	DATE	04/17/06	
BC DL	10.0 PSF	DRW	HCUSR487	06107007
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT. LD.	40.0 PSF	SEON	97514	REV
DUR. FAC.	1.25			
SPACING	36.0"	JREF	1SWG487	Z01

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY 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 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 DAMAGE TO OR LOSS OF MATERIALS OR EQUIPMENT DUE TO THE TRUSSES OR COMPONENTS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CORRELATOR PLATES ARE MADE OF 20/10/15GA (W/H/S/R) 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 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.



(6-138- Kent Harris Construction Sugar Hill --, ** - A2G)

Top chord 2x4 SP #2 Dense :T2, T4 2x6 SP #1 Dense:
Bot chord 2x8 SP SS :B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

130 mph wind, 15.41 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.

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/360 live and L/240 total load. Creep increase factor
for dead load is 1.50.

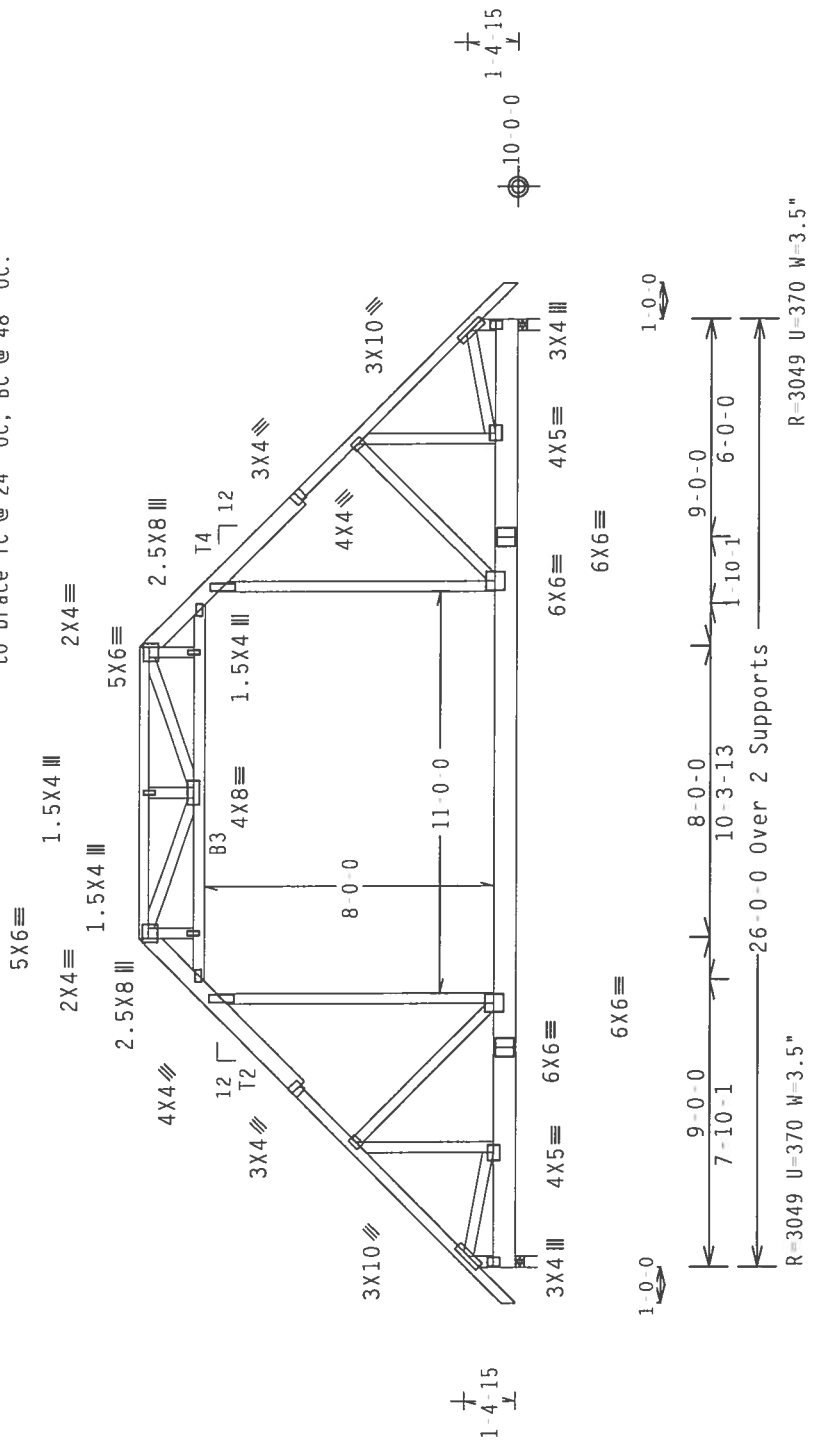
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.) nails)
Top Chord: 1 Row @12.00" O.C.
Bot Chord: 1 Row @11.25" O.C.
Webs : 1 Row @ 4" O.C.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

Trusses to be spaced at 36.0" OC maximum.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from
7-6-0 to 18-6-0.

In lieu of structural panels or rigid ceiling use purlins
to brace TC @ 24" OC, BC @ 48" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24

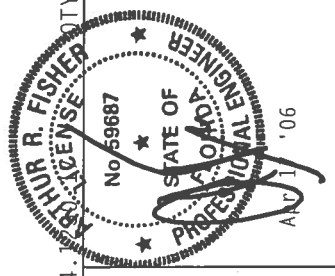
PLT TYP. Wave

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487--	20066
TC DL	10.0 PSF	DATE	04/17/06	
BC DL	10.0 PSF	DRW	HCUSR487	06107008
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	97478	
DUR.FAC.	1.25			
SPACING	36.0"	JREF	1SWG487	Z01

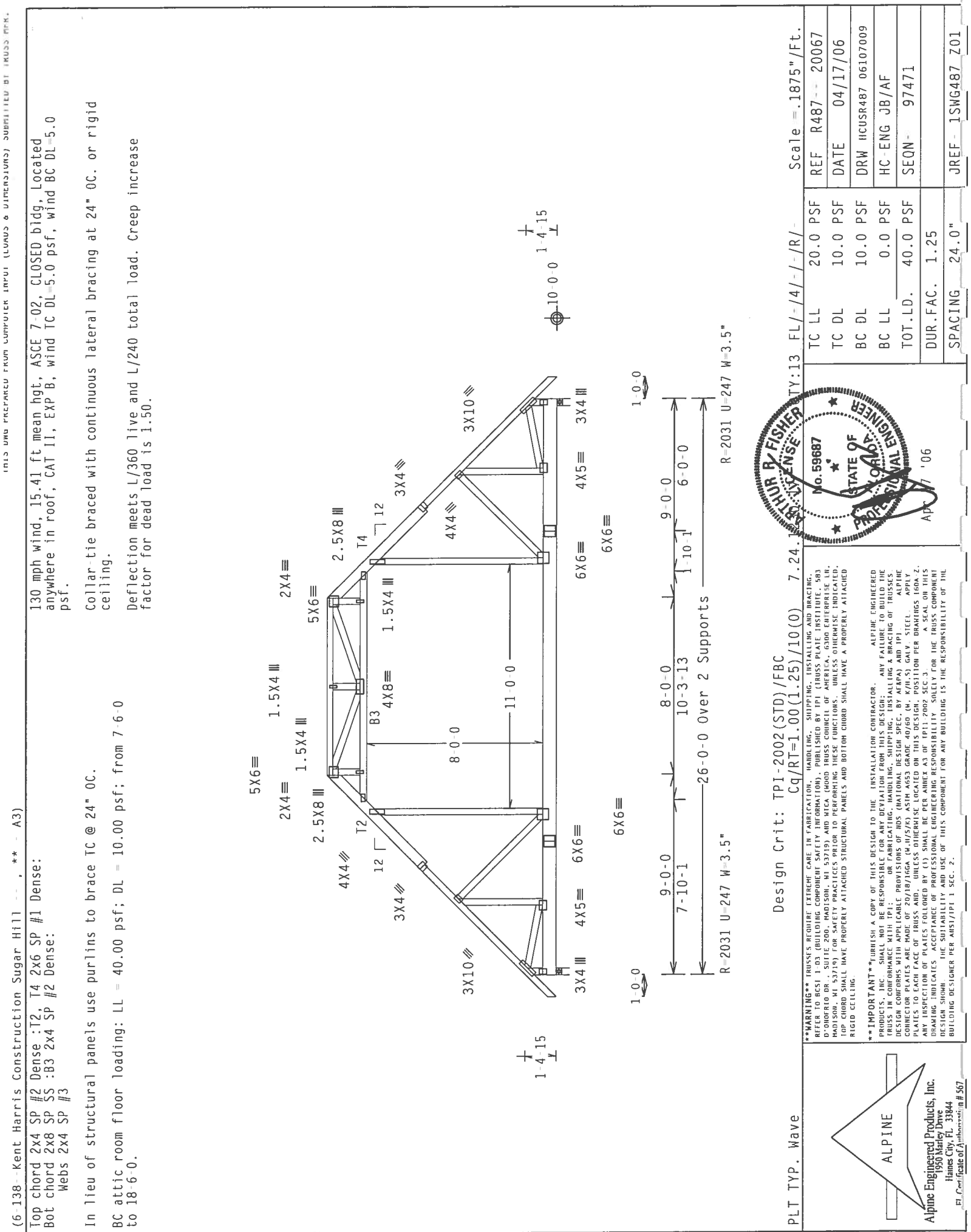
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 T-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 503 MADISON, N.E. 53119, FOR SAFETY PRECAUTIONS. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL 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 IBCS (NATIONAL DESIGN SPEC., BY AERPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M/H/S/K) ASTM A653 GRADE 40/60 (IN. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACT 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 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 Marley Drive
Haines City, FL 33844

ET Certificate of Achievement #567



(6-138--Kent Harris Construction Sugar Hill --, ** - A3)

Top chord 2x4 SP #2 Dense :T2, T4 2x6 SP #1 Dense:
Bot chord 2x8 SP SS :B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 7-6-0 to 18-6-0.

130 mph wind, 15.41 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.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Scale = .1875"/Ft.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24.1

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

R-2031 U=247 W=3.5"

Top chord 2x4 SP #2 Dense :T3, T5 2x6 SP #1 Dense:
Bot chord 2x8 SP SS :B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

SPECIAL LOADS

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

TC	From	144 PLF at	1.00 to	144 PLF at	7.50
TC	From	187 PLF at	7.50 to	144 PLF at	9.00
TC	From	144 PLF at	9.00 to	144 PLF at	18.16
TC	From	187 PLF at	18.16 to	144 PLF at	21.24
TC	From	144 PLF at	21.24 to	144 PLF at	27.00
BC	From	30 PLF at	8.51 to	30 PLF at	17.49
BC	From	8 PLF at	1.00 to	8 PLF at	0.00
BC	From	30 PLF at	0.00 to	30 PLF at	7.50
BC	From	180 PLF at	7.50 to	180 PLF at	18.50
BC	From	30 PLF at	18.50 to	30 PLF at	26.00
BC	From	8 PLF at	26.00 to	8 PLF at	27.00
BC	230 LB Conc.	Load at	7.50,	18.50	

Right end vertical not exposed to wind pressure.

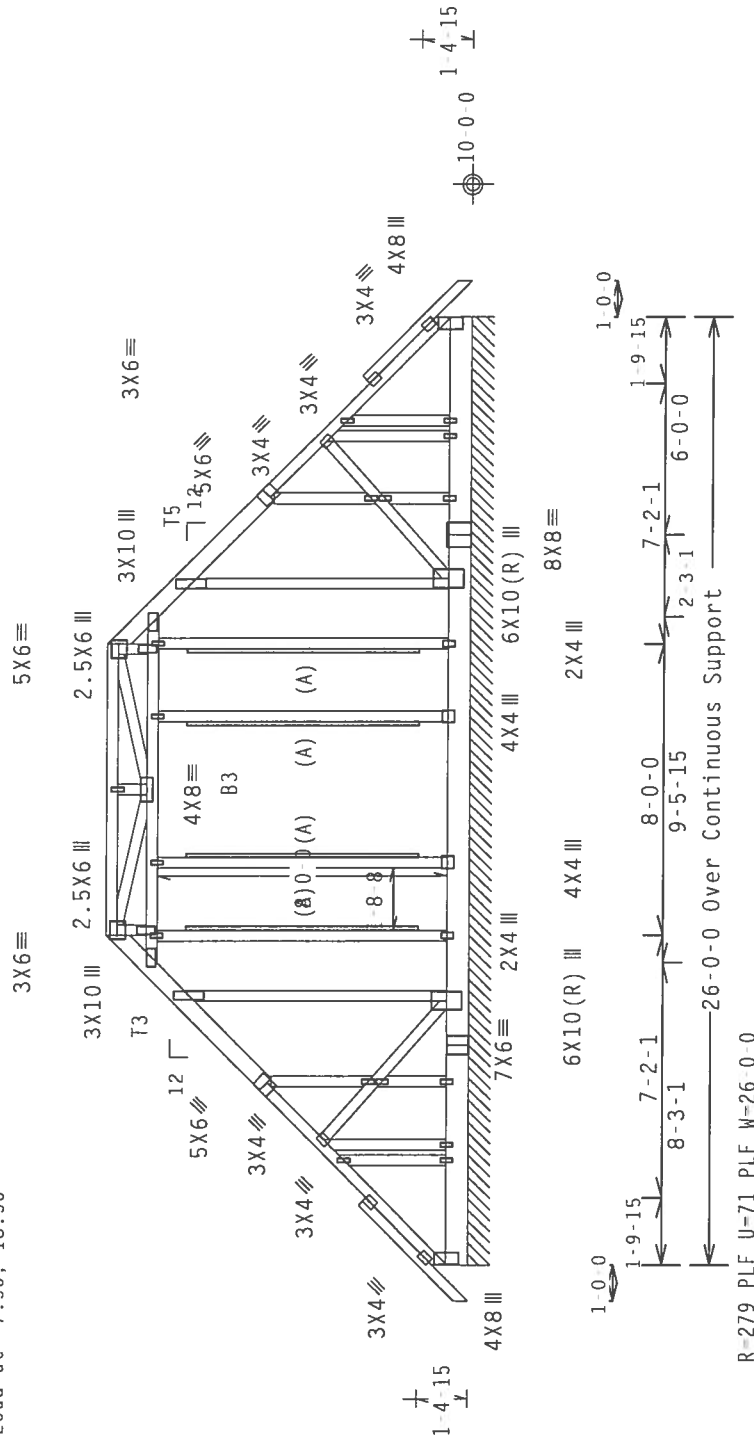
(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

Trusses to be spaced at 36.0" OC maximum.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Note: All Plates Are 1.5X4 Except As Shown.

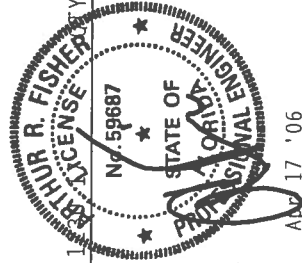
Design Crit: TPI-2002(STD)/FBC

 $C_0/RT=1.00(1.25)/10(0)$ 7.24.15

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

Scale = .1875"/Ft.

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING TO BE SAFE. (BUILDING COMPONENT SAFETY INFORMATION). PULP SHILED BY API (CHUSS PLATE INSTITUTE, 583 S. COMMERCE, CHICAGO, ILL. 60606) AND WICK (WOOD PRESERVATION, 41531919, 10000 W. 130TH AVE., SUITE 100, MADISON, WI 53719) FOR SAFETY. IF ANY OF THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PALS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED BRG'D CHAILING.

[illegible]

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

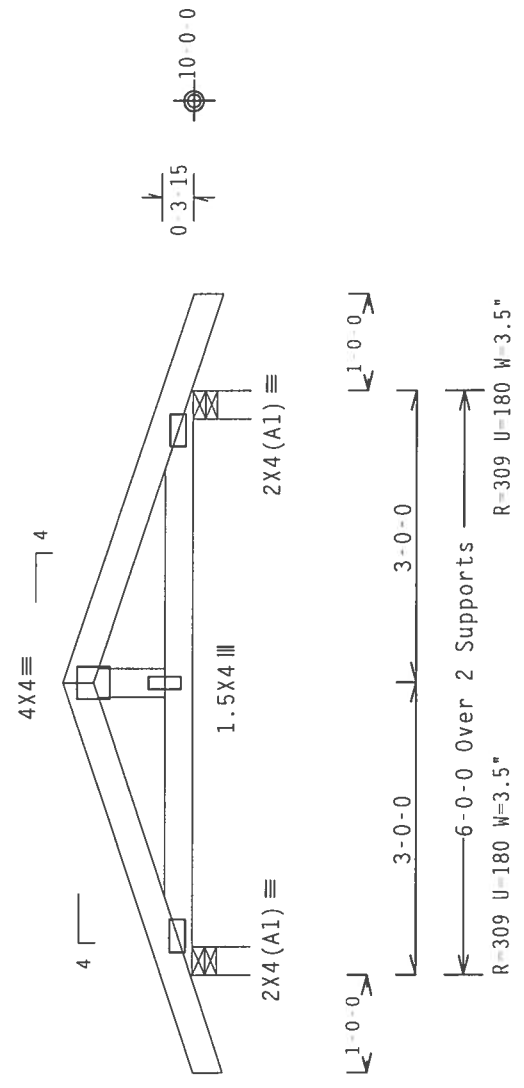
FL Certificate of Authorization # 567
Tallahassee, FL 32304

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

130 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. Creep increase factor for dead load is 1.50.

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



PLT TYP. Wave

ALPINE

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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 593 MADISON, MI 48119, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, ALL TRUSS COMPONENTS SHALL BE MANUFACTURED TO THE TOLERANCES AND MATERIALS SPECIFICATIONS OF THE TPI TRUSS MANUFACTURING STANDARD. 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 2018/16GA (M-H/S/K) ASTM 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 DRAWING 16GA 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 MANUFACTURER'S USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

SEAL

APR 11 2006

STATE OF FLORIDA

PROFESSIONAL ENGINEER

NO. 59887

KATHUR R. FISHER

EXPIRATION DATE: 04/17/06

Scale = .5" / Ft.

TC LL	20.0 PSF	FL / - / 4 / - / - / R / -	REF R487 -- 20069
TC DL	10.0 PSF		DATE 04/17/06
BC DL	10.0 PSF		DRW HCUSR487 06107001
BC LL	0.0 PSF		HC-ENG JB/AF *
TOT.LD.	40.0 PSF		SEON- 97434
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SWG487 Z01

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

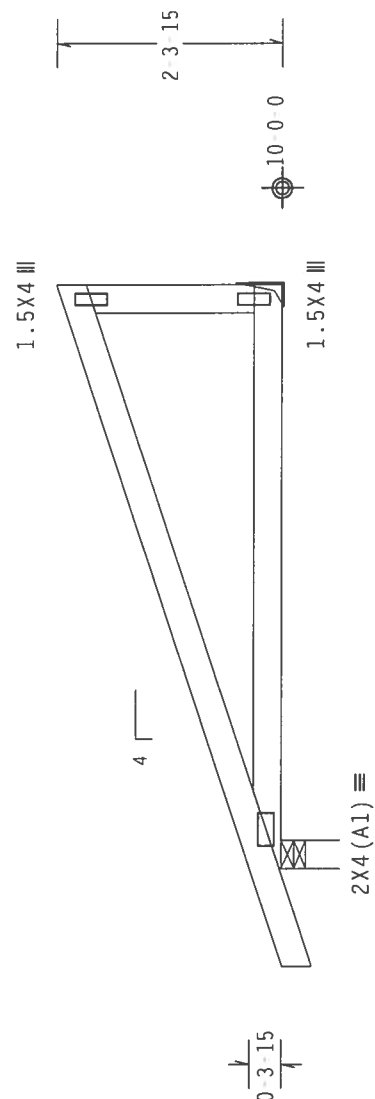
130 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0
psf.

Right end vertical not exposed to wind pressure.

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

H = recommended connection based on manufacturer tested capacities and
calculations. Conditions may exist that require different connections
than indicated. Refer to manufacturer publication for additional information.

Deflection meets L/360 live and L/240 total load. Creep increase factor
for dead load is 1.50.

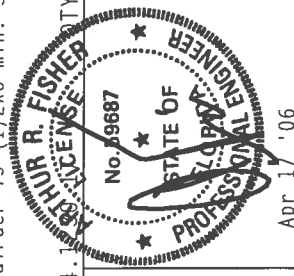


PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.15

Scale = .5" / Ft.

REF R487 - 20070
DATE 04/17/06
DRW HCUSR487 06107002
HC-ENG JB/AF
SEQN- 97394
DUR.FAC. 1.25
SPACING 24.0"



****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
2ND ST. N. W. ALPHINE, GA 30201-1000. TRUSS CONNECTIONS AND WELDS SHALL BE MADE IN ACCORDANCE WITH THE
MANUFACTURER'S INSTRUCTIONS. ALL TRUSSES SHALL BE PROTECTED AGAINST CORROSION BY AN ANTI-CORROSION
TREATMENT. 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 NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE
CONNECTOR PLATES ARE MADE OF 2018/16GA (4-11/5/5) ASTM 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 160A-Z.
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 HEREIN IS THE SUFFICIENCY 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 Manley 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

130 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.

SPECIAL LOADS

--- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 103 PLF at 1.00 to 103 PLF at 6.00
BC - From 4 PLF at 1.00 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 6.00

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

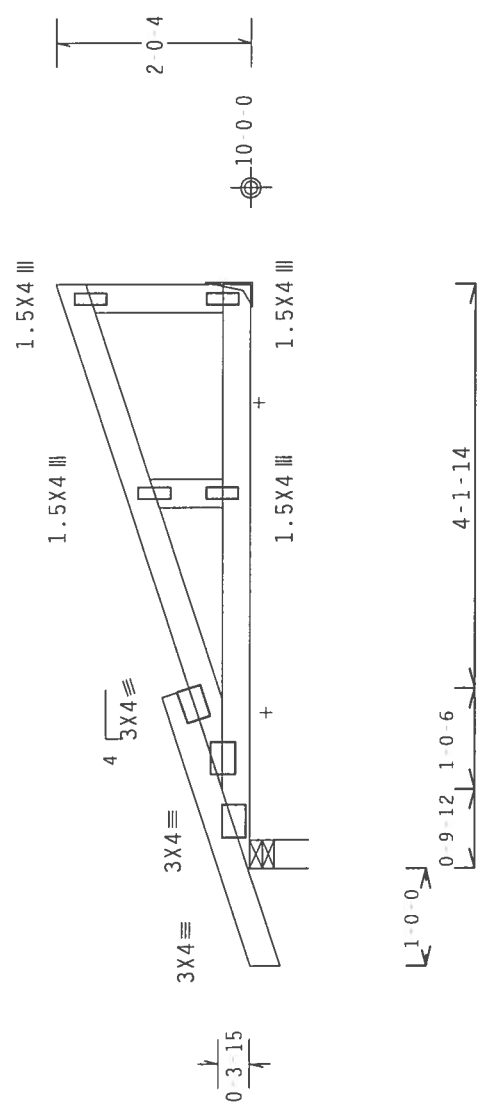
See DWGS A13015EE0405 & GBLLETIN0405 for more requirements.

Right end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.



R-289 U=180 H-Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Design Crit: TPI-2002(STD)/FBC

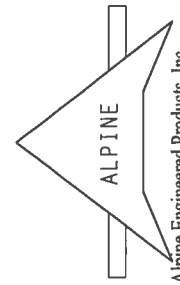
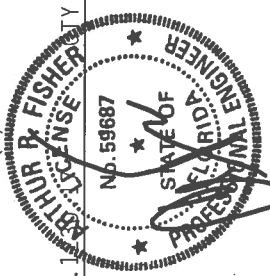
$Cq/RT=1.00(1.25)/10(0) \quad 7.24.1$

Scale = .5"/Ft.

PLT TYP. Wave	TC LL	20.0 PSF	REF	R487 --	20071
	TC DL	10.0 PSF	DATE	04/17/06	
	BC DL	10.0 PSF	DRW	HCUSR487	06107011
	BC LL	0.0 PSF	HC-ENG	JB/AF	
	TOT.LD.	40.0 PSF	SEQN-	97523	REV
	DUR.FAC.	1.25			
	SPACING	24.0"	JREF-	1SWG487	Z01

****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 DUNDAS ST. W., UNIT 200, MISSISSAUGA, ONT. L4V 1V3) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MICHIGAN, CHICAGO, IL 60610) FOR THE LATEST 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&A) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (M/H/S/K) ASTM A653 GRADE 40/60 (M, 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.



(6-138-Kent Harris Construction Sugar Hill -- ** HJC)

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

130 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.

(J) hanger connection not found in inventory file for this condition.
Provide connection.

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

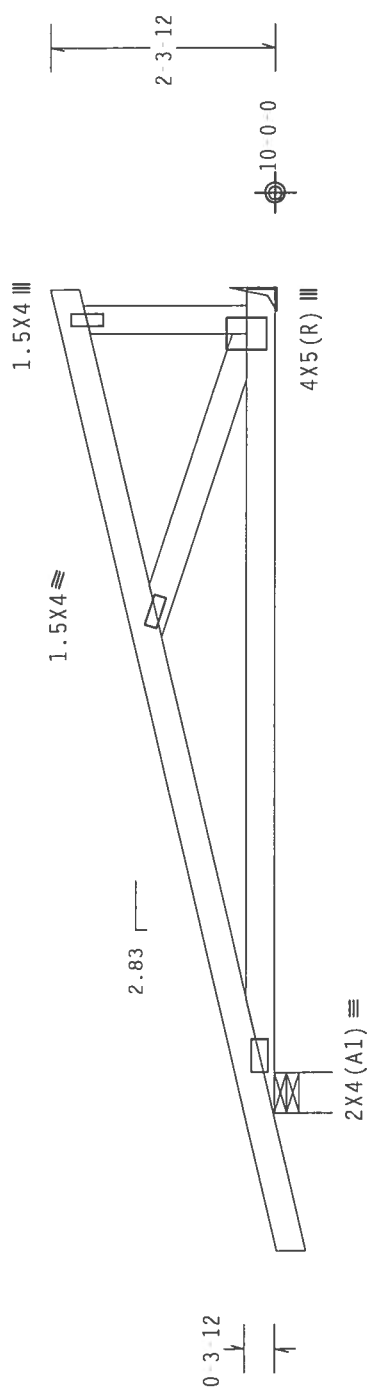
Hipjack supports 6-0-0 setback jacks with no webs.

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 61 PLF at -1.41 to 61 PLF at 8.49
BC - From 4 PLF at -1.41 to 4 PLF at 0.00
TC - From 20 PLF at 0.00 to 20 PLF at 8.49
TC - 30 LB Conc. Load at 1.48
TC - 137 LB Conc. Load at 4.31
TC - 257 LB Conc. Load at 7.13
BC - 64 LB Conc. Load at 4.31
BC - 119 LB Conc. Load at 7.13

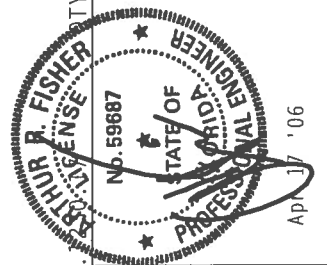
Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.



←1-5-0→
R=585 U-180 W=4.95"
R=737 U=180 (J)

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ORRADIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED. ALL TRUSSES 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. APPLY CONNECTOR PLATES ARE MADE OF 2018/16GA (M-11/5/18) ASTM A653 GRADE 40/60 (M, 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.

ALPINE

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

PLT TYP. Wave

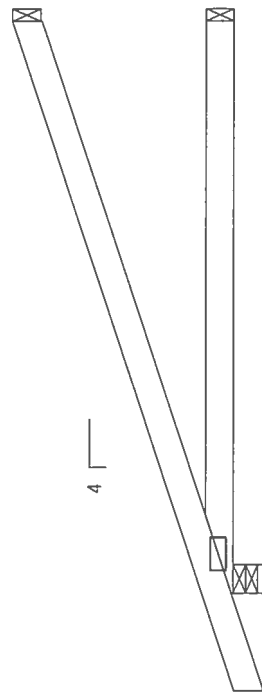
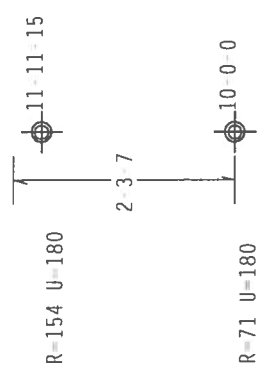
PLT TYP. Wave	TY: 4	FL / - / 4 / - / R / -	Scale = .5" / Ft.
TC LL	20.0	PSF	REF R487 - 20072
TC DL	10.0	PSF	DATE 04/17/06
BC DL	10.0	PSF	DRW HCUSR487 06107012
BC LL	0.0	PSF	HC-ENG JB/AF
TOT. LD.	40.0	PSF	SEQN- 97429
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SWG487 Z01

130 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. Creep increase factor for dead load is 1.50.

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

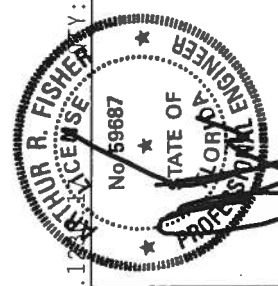
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



5-10-8 Over 3 Supports
R-317 U-180 W-3.5"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12

Scale = .5" / Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS 1 03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATING INSTITUTE, 583 HARRISON, MI 48129) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, 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 2018/16GA (W-I/S/S) ASTM 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 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	FL / - / 4 / - / R / -	REF	R487 - -	20073
TC DL	10.0 PSF		DATE	04/17/06	
BC DL	10.0 PSF		DRW	HCUSR487	06107003
BC LL	0.0 PSF		HC-ENG	JB/AF	*
TOT. LD.	40.0 PSF		SEQN	97415	
DUR. FAC.	1.25				
SPACING	24.0"		JREF	1SWG487	Z01

ALPINE

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

FL Certificate of Authorization # 567

(6-138--Kent Harris Construction Sugar Hill --, ** - J5)

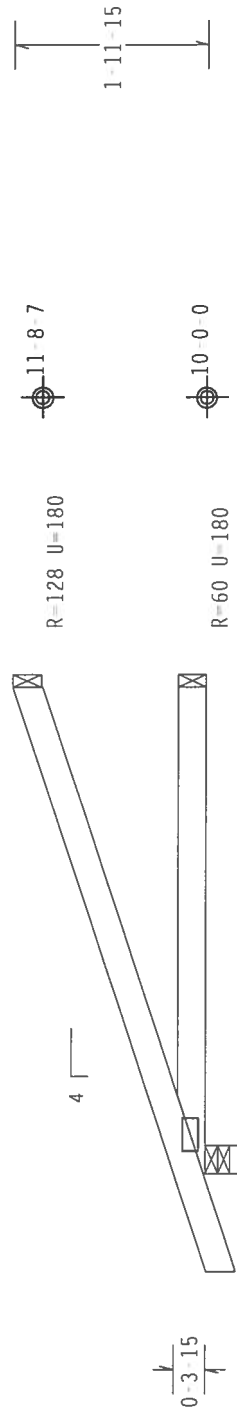
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

In lieu of structural panels use purlins to brace 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.

130 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. Creep increase factor for dead load is 1.50.



2X4 (A1) =

L-1-0-0

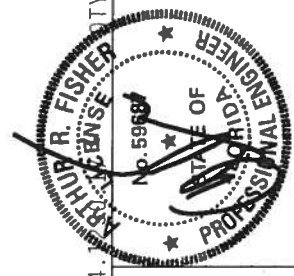
5-0-0 Over 3 Supports
R-283 U=180 W-3.5"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24

PLT TYP. Wave

TY: 8 FL/-/4/-/R/-

Scale = .5"/Ft.

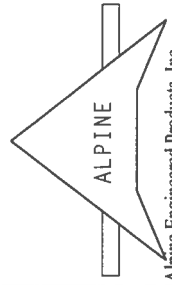


Apr 17 '06

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING CONVENTIONAL SAFETY INFORMATION), PUBLISHED BY THE NATIONAL TRUSS MANUFACTURERS ASSOCIATION (NTMA), 1000 N. MADISON, MI 48106, (734) 537-1919, AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE BL, MADISON, MI 48106, (734) 537-1919, 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 NDS (NATIONAL DESIGN SPEC. BY AIA/PJ) AND TPI. ALPINE CORRELATION PLATES ARE MADE OF 2018/16GA (40/60 IN. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS, FIG. 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN OF THIS BUILDING. THE LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIA/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R487 - - 20074
TC DL	10.0 PSF	DATE	04/17/06
BC DL	10.0 PSF	DRW	HCUSR487 06107004
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	97410
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SWG487 Z01



Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
In lieu of structural panels use purlins to brace 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.

130 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. 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) 7.24.12
Scale = .5" / Ft.

TC LL	20.0 PSF	FL / - / 4 / - / R / -
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 -- 20075
DATE 04/17/06
DRW HCUSR487 06107005
HC-ENG JB/AF
SEQN - 97405
JREF - 1SWG487 Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCES 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 HADISON RD, SUITE 100, WESTPORT, MA 01886), AND THE AIA/ASCE JOINT TRUSS COMMITTEE. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, FABRICATION, AND DELIVERY. THE TRUSS MANUFACTURER 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 AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-H/SX) ASTM A653 GRADE 40/60 (M, 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 TPI 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN AND NOT THE SHOWN STRUCTURE. THE DESIGNER'S ACCEPTANCE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

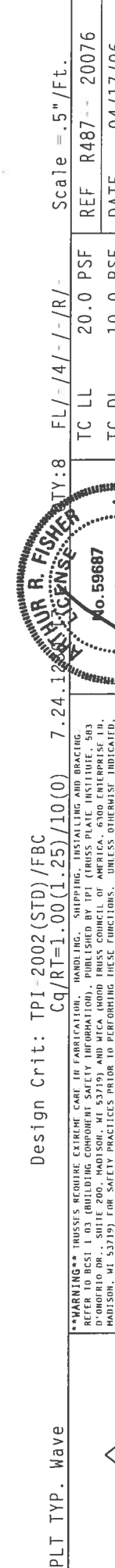
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

In lieu of structural panels use purlins to brace 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.

130 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. 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) 7.24.12

Scale = .5" / Ft.

TC LL	20.0 PSF	REF R487 -- 20076
TC DL	10.0 PSF	DATE 04/17/06
BC DL	10.0 PSF	DRW HCUSR487 06107013
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 97399
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SWG487 Z01

ALPINE

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

APRIL R. FISHER
Professional Engineer
No. 59687
STATE OF FLORIDA
Apr 17 '06

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 2018/16GA (4-11/16") ASTM A653 GRADE 40/60 (4-11/16") GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. PLATE POSITION OF PLATES FOLLOWED BY TPI SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 13.1. A SEAL ON THIS DRAWING SHALL BE THE DESIGNER'S RESPONSIBILITY FOR THE TRUSS COMPONENT. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/TPI 1 SEC. 2.

(6-138-Kent Harris Construction Sugar Hill --, ** - AP2)

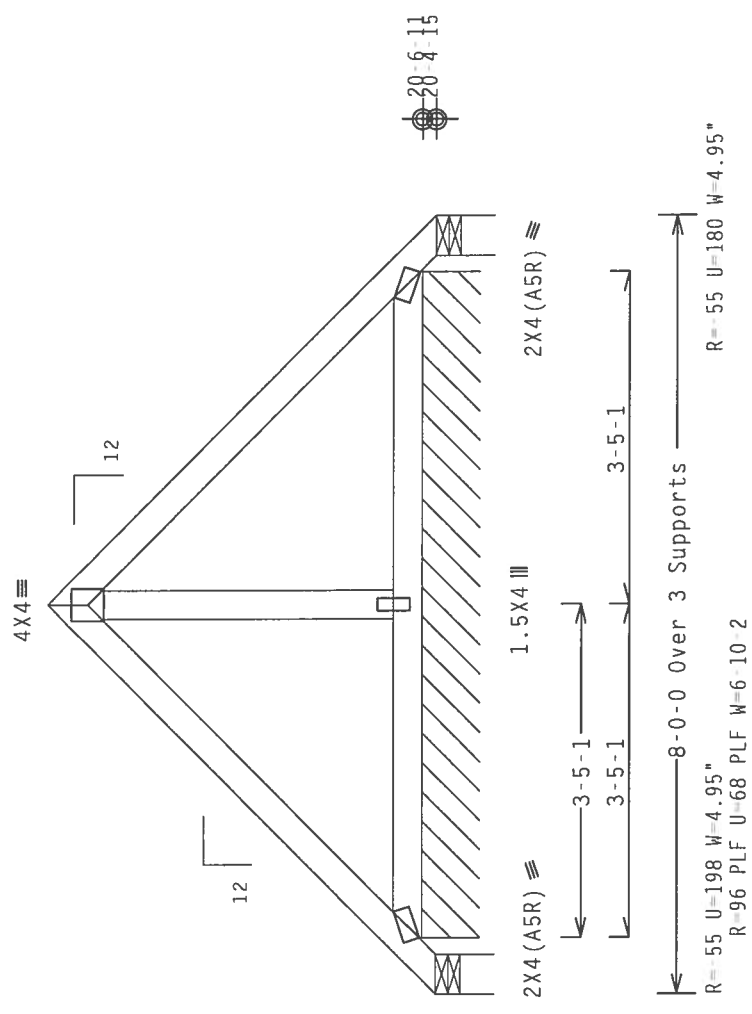
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

130 mph wind, 22.41 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.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

REFER TO DWG PIGBACK0405 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C., UNLESS OTHERWISE SPECIFIED



Design Crit: TPI-2002(STD)/FBC

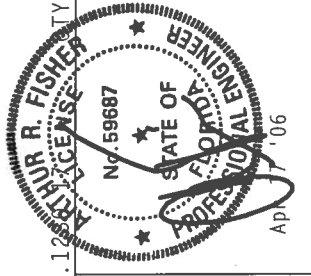
Cq/RT=1.00(1.25)/10(0) 7.24.12

Scale = .5" / Ft.

TC LL	20.0 PSF	REF R487 -	20077
TC DL	10.0 PSF	DATE	04/17/06
BC DL	2.0 PSF	DRW	HCUSR487 06107014
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	32.0 PSF	SEQN	97443
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SWG487 Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 MADISON, MI 48134) AND SOIL BUILDING (TRUSS CONNECTIONS OF AMERICA, 6100 HINTERLIESE CR., MADISON, MI 48121) FOR PROPER TRUSS CONNECTIONS. 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 1609 (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (4.0/5/5/2) ASTM A653 GRADE 40/60 (4.0/5/5) 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 TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER'S USE. THE SOLE LIABILITY 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
James City, FL 33844
FL Certificate of Authorization # 567

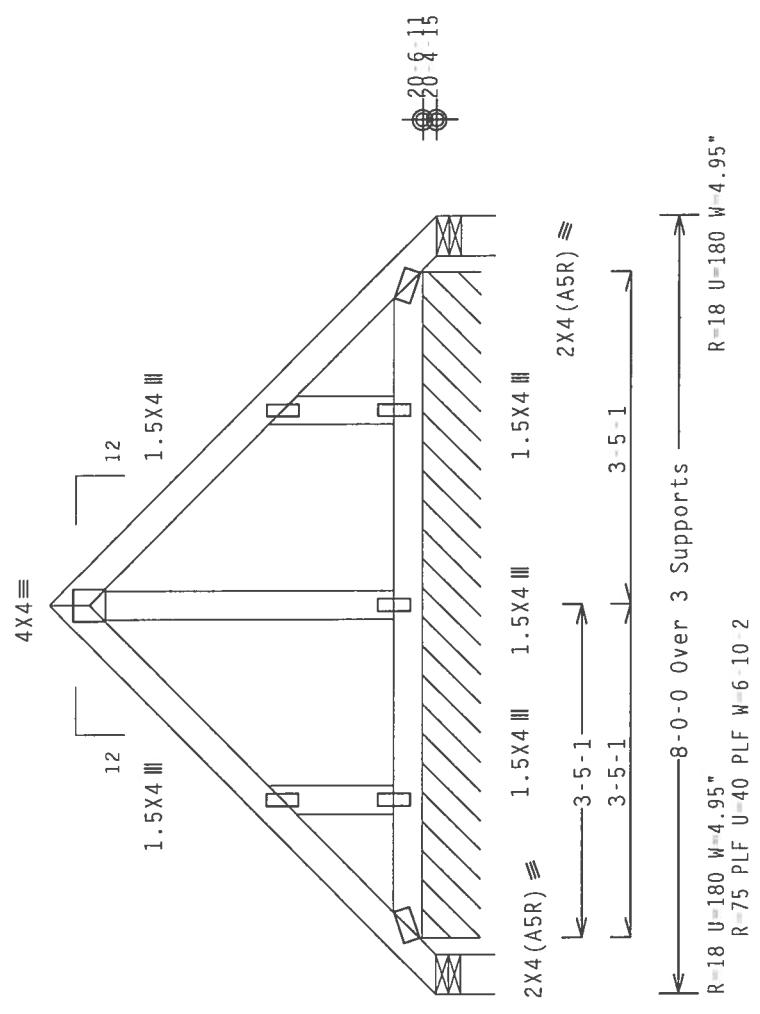
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

REFER TO DWG PIGBACKB0405 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C., UNLESS OTHERWISE SPECIFIED

130 mph wind, 22.41 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. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

ALPINE

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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12

Scale = .5" / Ft.

REF R487 -- 20078
DATE 04/17/06
DRW HCUSR487 06107015
HC-ENG JB/AF
SEQN 97448
DUR.FAC. 1.25
SPACING 24.0"

TC LL 20.0 PSF
TC DL 10.0 PSF
BC DL 2.0 PSF
BC LL 0.0 PSF
TOT.LD. 32.0 PSF
DUR.FAC. 1.25
SPACING 24.0"

FL / - / 4 / - / R / -

QTY: 2

APR 17 '06

PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 58687
R. FISHER
LICENSE

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'DONNELL DR., SUITE 200, MADISON, WI 53719), AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6000 ENTERPRISE DR., SUITE 100, FORT WORTH, TX 76116) 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 AISC (NATIONAL DESIGN SPEC., BY AISC), ALPINE CONNECTOR PLATES ARE MADE OF 2018/1666 (4-11/5/12) ASH 6063 GRADE 40/60 (4-11/5/12) 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 AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 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 AMST/TP1 SEC. 2.

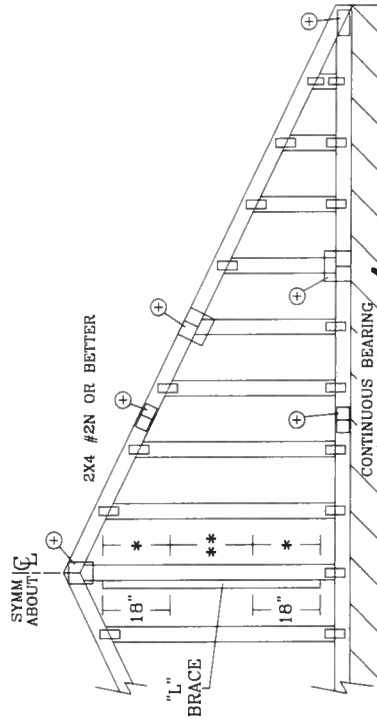
ASCE 7-02: 130 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

2X4 GABLE VERTICAL SPACING		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		GROUP A		GROUP B		GROUP A		GROUP B	
					SPF	HF	SP	DFL	SPF	HF	SP	DFL	SPF	HF	SP	DFL	SPF	HF	SP	DFL	SPF	HF	SP	DFL	SPF	HF	SP	DFL	SPF	HF	SP	DFL
24" O.C.	SPF	#1 / #2	3' 4"	5' 10"	6' 0"	6' 11"	7' 1"	8' 3"	8' 6"	10' 10"	11' 2"	12' 11"	13' 3"																			
			3' 3"	4' 11"	4' 11"	6' 6"	6' 6"	8' 3"	8' 3"	10' 1"	10' 1"	12' 11"	12' 11"																			
			3' 3"	4' 11"	4' 11"	6' 5"	6' 5"	8' 3"	8' 3"	10' 0"	10' 0"	12' 11"	12' 11"																			
			3' 3"	4' 2"	5' 6"	5' 6"	7' 5"	7' 5"	8' 8"	8' 8"	11' 8"	11' 8"	12' 11"	13' 11"																		
	SP	#1	3' 8"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"																			
			3' 7"	5' 10"	6' 3"	6' 11"	7' 5"	8' 3"	8' 11"	10' 10"	11' 8"	12' 11"	13' 11"																			
			3' 6"	5' 0"	5' 0"	6' 8"	6' 8"	8' 3"	8' 8"	10' 4"	10' 4"	12' 11"	13' 7"																			
			3' 6"	5' 0"	5' 0"	6' 7"	6' 7"	8' 3"	8' 8"	10' 3"	10' 3"	12' 11"	13' 7"																			
	DFL	STANDARD	3' 4"	4' 3"	4' 3"	5' 8"	5' 8"	7' 8"	7' 8"	8' 10"	8' 10"	12' 0"	12' 0"																			
			3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 5"	14' 0"	14' 0"																			
3' 9"			6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"																				
3' 9"			6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"																				
16" O.C.	SPF	#1 / #2	3' 9"	5' 2"	5' 2"	6' 10"	6' 10"	9' 2"	9' 2"	10' 7"	10' 7"	14' 0"	14' 0"																			
			3' 9"	5' 2"	5' 2"	6' 10"	6' 10"	9' 2"	9' 2"	10' 7"	10' 7"	14' 0"	14' 0"																			
			4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"																			
			4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"																			
	SP	#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 2"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"																			
			4' 0"	6' 1"	6' 1"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"																			
			3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"																			
			4' 3"	7' 4"	7' 7"	8' 9"	8' 11"	10' 5"	10' 8"	13' 8"	14' 0"	14' 0"	14' 0"																			
	DFL	STANDARD	4' 3"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"																			
			4' 2"	6' 11"	6' 11"	8' 9"	8' 9"	10' 5"	10' 5"	13' 8"	13' 8"	14' 0"	14' 0"																			
4' 2"			5' 11"	7' 10"	7' 10"	9' 5"	10' 5"	10' 5"	12' 3"	12' 3"	14' 0"	14' 0"																				
4' 2"			5' 11"	7' 10"	7' 10"	9' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"																				
12" O.C.	SPF	#1	4' 8"	7' 4"	7' 11"	8' 9"	9' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"																				
			4' 7"	7' 4"	7' 11"	8' 9"	9' 5"	10' 5"	11' 2"	13' 8"	14' 0"	14' 0"	14' 0"																			
			4' 4"	7' 2"	7' 11"	8' 9"	9' 2"	10' 5"	10' 11"	13' 8"	14' 0"	14' 0"	14' 0"																			
			4' 4"	7' 1"	7' 1"	8' 9"	9' 2"	10' 5"	10' 11"	13' 8"	14' 0"	14' 0"	14' 0"																			
	DFL	STANDARD	4' 4"	6' 1"	6' 1"	8' 0"	8' 0"	10' 5"	10' 8"	12' 6"	14' 0"	14' 0"																				
			4' 3"	6' 1"	6' 1"	8' 0"	8' 0"	10' 5"	10' 8"	12' 6"	14' 0"	14' 0"	14' 0"																			
			4' 3"	6' 1"	6' 1"	8' 0"	8' 0"	10' 5"	10' 8"	12' 6"	14' 0"	14' 0"	14' 0"																			
			4' 3"	6' 1"	6' 1"	8' 0"	8' 0"	10' 5"	10' 8"	12' 6"	14' 0"	14' 0"	14' 0"																			
	4' 3"	6' 1"	6' 1"	8' 0"	8' 0"	10' 5"	10' 8"	12' 6"	14' 0"	14' 0"	14' 0"																					

DIAGONAL BRACE OPTION:
VERTICAL LENGTH MAY BE
DOUBLED WHEN DIAGONAL
BRACE IS USED. CONNECT
DIAGONAL BRACE FOR 840/L
AT EACH END. MAX WEB
TOTAL LENGTH IS 14'.

VERTICAL LENGTH SHOWN
IN TABLE ABOVE.

CONNECT DIAGONAL AT
MIDPOINT OF VERTICAL WEB



REFER TO CHART ABOVE FOR MAX. ~~CHARTED~~ VERTICAL LENGTH.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND REMOVING. REFER TO THE MANUFACTURER'S INSTRUCTIONS FOR THE PROPERLY PUBLISHED TRUSS (TRUSS PLATE) INSTITUTE, 580 DUNDON DRIVE, SUITE 200, MADISON, WI 53719. (608) 271-4100. THE MANUFACTURER 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 CL LING.

IMPORTANT FURNISH COPY OF THIS DESIGN 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 THE TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA UH/5/S/K9 ASTM A653 GRADE 40/60 40 K/L/S/93 GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND UNLESS FOLLOWED BY (I) SHALL IN THIS DESIGN, POSITION PER DRAWING 16GA-2. ANY INSPECTION OF PLATES INDICATES ACCEPTANCE OF THE DESIGN AS MEETING A PROFESSIONAL ENGINEER'S REQUIREMENTS FOR THE BUILDING. THE DESIGNING ENGINEER'S PROFESSIONAL JUDGMENT 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.
POMPANO BEACH, FLORIDA

ARTHER
LICENSE
No. 59687
STATE OF
PROFESSIONAL ENGINEER
FLORIDA

REF	ASCE7-02-GAB13015
DATE	04/15/05
DRWG	A13015EE0405
-	ENG

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

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

SOUTHERN PINE

GROUP B:

HEM-FIR	
#1 & BTR	#1

DOUGLAS FIR-LARCH	
#1	#2

SOUTHERN PINE	
#1	#2

SOUTHERN PINE

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS $L/240$.

PROVIDE UPLIFT CONNECTIONS FOR 135 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) "1" BRACES: SPACE NAILS AT 3" O.C.

IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

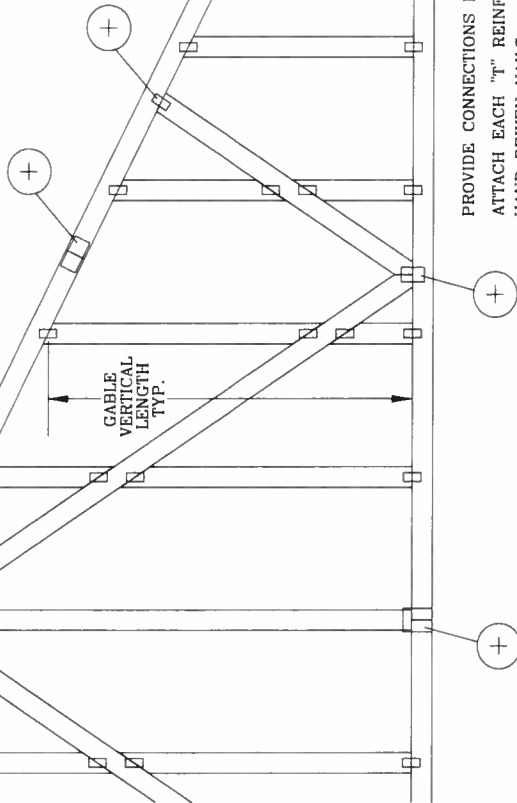
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

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

+ REFER TO COMMON TRUSS DESIGN FOR
PEAK SPICE AND HEEL PLATES

SYM. Φ
ABOUT



HAND DRIVEN NAILS:

10d COMMON (0.148"X 3." MIN) TOENAILS AT 4" O.C. PLUS

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 CABLE 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

ASCE 7-02 CABLE DETAIL DRAWINGS
A1030CEC1103, A11030CEC1103, A10030CEC1103, A08530CEC1103

ASCE 7-02 GABLE DETAIL DRAWINGS

A13013EE0403, A12013EE0403, A11013EE0403, A10013EE0403, A08013EE0403, A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08030EE0405

[illegible]

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI

WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

WIND SPEED AND MRH	r_{eq}^{**} 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 VERTIC

1.10 x 6' 7" = 7' 3"

[illegible]

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

A circular professional engineer seal for the State of Florida. The outer ring contains the text "ARTHUR D. FISHER" at the top and "PROFESSIONAL ENGINEER" at the bottom. The inner ring contains "STATE OF FLORIDA". In the center, it says "LICENSE No. 59687". A signature is written across the seal, and the letters "pr" are visible at the bottom right.

REF	LET-IN VERT
DATE	04/14/05
DRWG	G'BLLETIN0405
--ENG	DLJ/KAR

MAX TOT. LD. 60 PSF

DUR. FAC. ANY

MAX SPACING 24.0"

TOP CHORD 2X4 #2 OR BETTER
BOT CHORD 2X4 #2 OR BETTER
WEBS 2X4 #3 OR BETTER

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C;

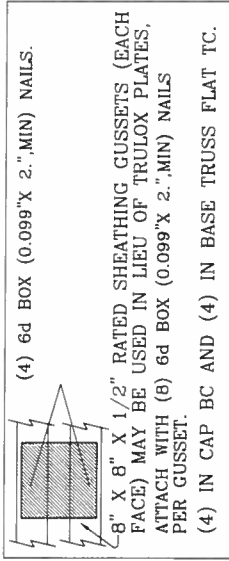
WIND TC DL=5 PSF, WIND BC DL=5 PSF

110 MPH WIND, 30' MEAN HGT, SBC

ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF

WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E.*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.



(4) 6d BOX (0.099" X 2" MIN) NAILS.

8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 6d BOX (0.099" X 2" MIN) NAILS PER GUSSET.

(4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

130 MPH WIND, 30' MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

MAX SIZE OF 2X12 #2 OR BETTER

20' FLAT TOP CHORD MAX SPAN

EITHER PLATE LOCATION IS ACCEPTABLE

OPTIONAL SPLICE

D-SPLICE

2' TYP.

C-TYP.

*ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONDROFF DR., SUITE 200, MADISON, WI 53719) AND VTCA (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 2018/16GA (V.H/S/K) ASTM A653 GRADE 40/60 (W.X/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND OTHERWISE LOCATED IN THIS DESIGN. POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (D) SHALL BE THE RESPONSIBILITY OF THE INSPECTOR. A SEAL FOR THE DESIGNER'S SIGNATURE AND THE DESIGNER'S PROFESSIONAL ENGINEERING RESPONSIBILITY SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TPI 1 SEC 2



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

PIGGYBACK DETAIL

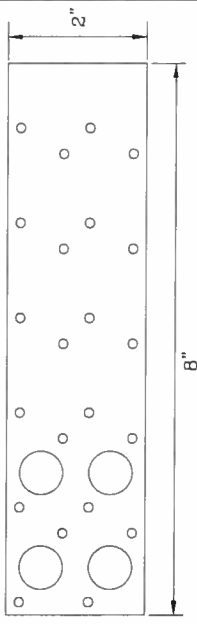
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X8 TRULOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d BOX (0.113" X 2.5" MIN) NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135" X 3.5" MIN) NAILS AT 4" OC.

* PIGGYBACK SPECIAL PLATE

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



DRAWING REPLACES DRAWINGS 634,016 634,017 & 847,045

MAX LOADING	REF	PIGGYBACK
55 PSF AT 1.33 DUR. FAC.	DATE	04/14/05
50 PSF AT 1.25 DUR. FAC.	DRWG	PIGBACKB0405
47 PSF AT 1.15 DUR. FAC.	-ENG	DLJ/KAR
SPACING	24.0"	