

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:1SX1215-Z0408113516

Truss Fabricator: W.B. Howland
Job Identification: 3476-/STANLEY CRAWFORD / GRIES /Stanley Crawford Const. -- , **
Truss Count: 43
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 - 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: 05/08/2006

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

Details: A11015EE-GBLLETIN-A11030EE-

#	Ref	Description	Drawing#	Date
1	08300--A-1		06128046	05/08/06
2	08301--A-2		06128048	05/08/06
3	08302--A-3		06128051	05/08/06
4	08303--A-4		06128052	05/08/06
5	08304--A-5		06128065	05/08/06
6	08305--A-6		06128066	05/08/06
7	08306--AG-1		06128067	05/08/06
8	08307--AG-2		06128068	05/08/06
9	08308--AG-3		06128069	05/08/06
10	08309--EJ7		06128070	05/08/06
11	08310--FTG1		06128102	05/08/06
12	08311--GE1		06128071	05/08/06
13	08312--GE2		06128101	05/08/06
14	08313--GE3		06128072	05/08/06
15	08314--GE4		06128073	05/08/06
16	08315--GE5		06128074	05/08/06
17	08316--GE6		06128075	05/08/06
18	08317--H16A		06128076	05/08/06
19	08318--H16B		06128077	05/08/06
20	08319--H16C		06128078	05/08/06
21	08320--H16D		06128079	05/08/06
22	08321--H16E		06128080	05/08/06
23	08322--H16F		06128081	05/08/06
24	08323--H16G		06128082	05/08/06
25	08324--H16H		06128083	05/08/06
26	08325--H16I		06128084	05/08/06
27	08326--H16J		06128085	05/08/06
28	08327--HG16A		06128103	05/08/06
29	08328--H17A		06128086	05/08/06
30	08329--JC2		06128087	05/08/06
31	08330--JC3		06128088	05/08/06
32	08331--JC4		06128089	05/08/06
33	08332--JC5		06128090	05/08/06
34	08333--JC7		06128091	05/08/06
35	08334--JC2A		06128092	05/08/06
36	08335--JC7A		06128093	05/08/06

#	Ref	Description	Drawing#	Date
37	08336--JH11		06128099	05/08/06
38	08337--MH1		06128094	05/08/06
39	08338--MH2		06128095	05/08/06
40	08339--MH3		06128096	05/08/06
41	08340--MH4		06128097	05/08/06
42	08341--MHG1		06128100	05/08/06
43	08342--S1		06128098	05/08/06



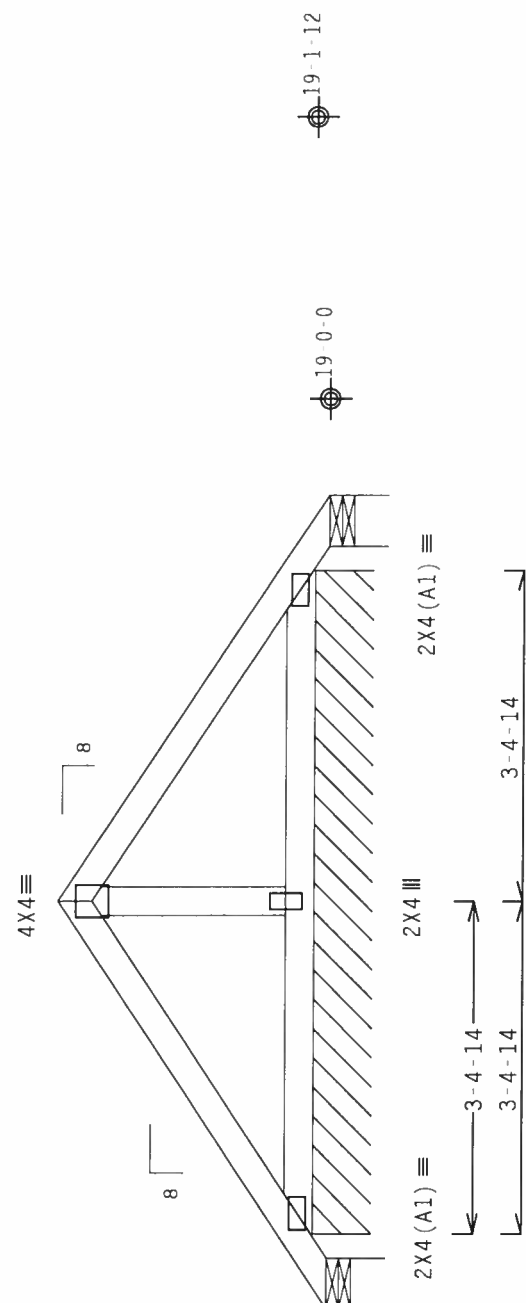
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 20.39 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 rigid ceiling use purlins to brace BC @ 24" OC.
Plates sized for a minimum of 3.00 sq.in./piece.
REFER TO PIGBACKA0699 OR PIGBACKB0699 FOR PIGYBACK DETAILS.

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

The overall height of this truss excluding overhang is 2-9-7.



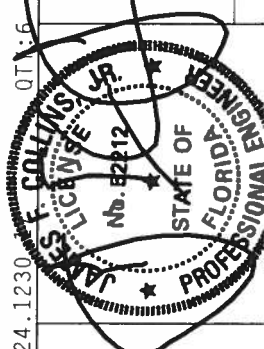
R=28 U=180 W=6.31"
R=87 PLF U=30 PLF W=6-9-12

8-4-6 Over 3 Supports

R=28 U=180 W=6.31"

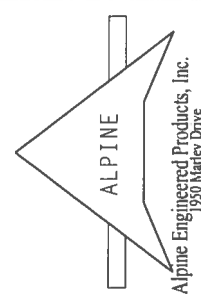
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	7.24.1230	Scale = .5" / Ft.
REF R215 - 8300	TC LL 20.0 PSF	
DATE 05/08/06	TC DL 10.0 PSF	
DRW HCUSR215 06128046	BC DL 2.0 PSF	
HC-ENG RK/WHK	BC LL 0.0 PSF	
SEQN - 24204	TOT.LD. 32.0 PSF	
FROM LRB	DUR.FAC. 1.25	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND 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 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 ACPA) AND TPI. APPLY PLATES TO EACH FACE OF TRUSS. 2018/06/04 (M. J/S/S) ASH 4653 GRAIN 40/40 (N. K/H-S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (L) SHALL BE PERFORMED BY TPI. 2018/06/04 (M. J/S/S) THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



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

110 mph wind, 22.99 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.

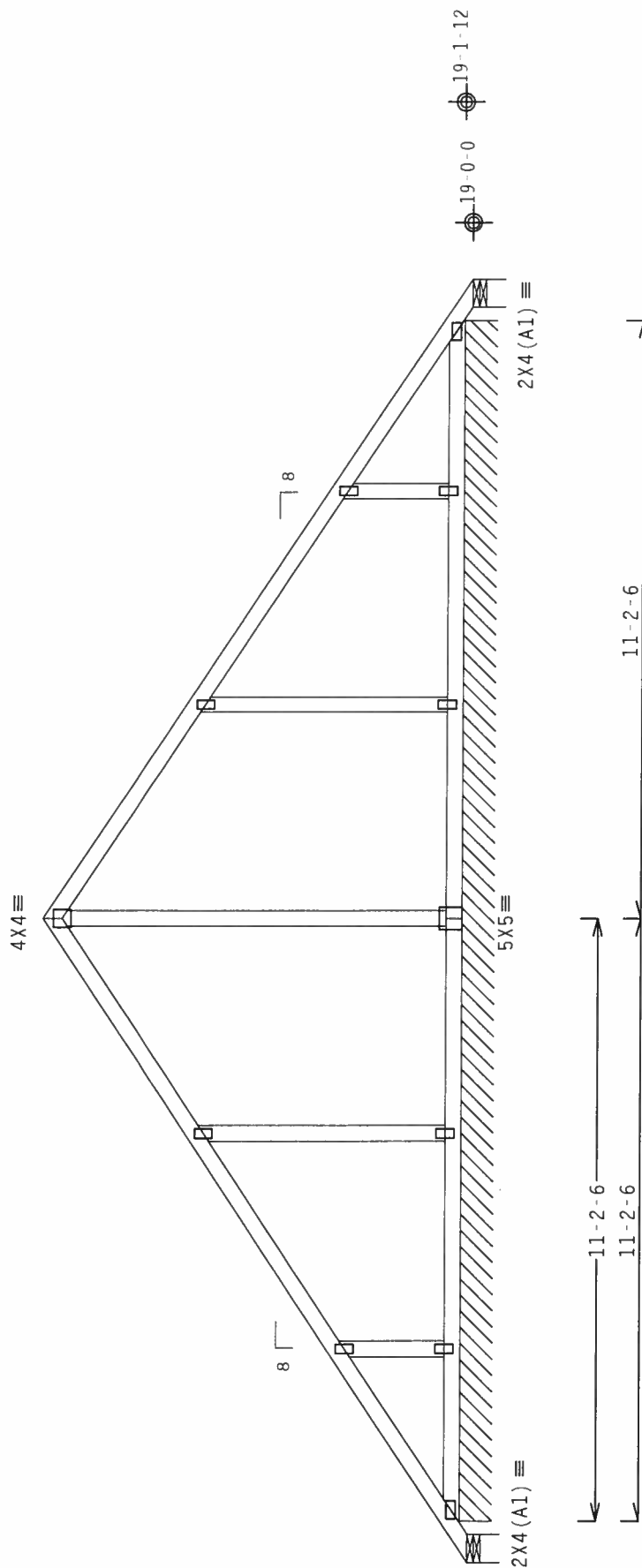
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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 7'-11"-13."

REFER TO PIGBACKA0699 OR PIGBACKB0699 FOR PIGBACK DETAILS.


$$R = -7 \quad U = 180 \quad W = 6.31^{\circ}$$

R-72 PLF U=27 PLF W=22-4-12

-23-11-6 Over 3 Supports

R=-7 U=180 W=6.31"

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

QTY:14 FL/-/5/-/-/R/-/-
Scale = .3125"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THESE TRUSSES ARE TO BE USED FOR BUILDING COMPONENTS ONLY. FOR INFORMATION, PUBLISHED BY TPI (TRUSS COMPANY INSTITUTE, 583 MADISON AVE., SUITE 500, CHICAGO, ILL. 60601), OR TPI (TRUSS COMPANY INSTITUTE, 6300 EDWARDS LANE, MADISON, WI 53719), FOR SPECIALTY PRACTICES PRIOR TO PERFORMING THESE TRUSSES. THESE TRUSSES ARE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**** IMPORTANT ****URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN TO THE SPECIFICATIONS OF THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.) BY NDS, AND THE APPLICABLE CONNECTOR PLATES ARE MADE OF 20/18/16GA (H/VS/TS) ASTM A653 GRADE 40/50 (IN. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, WHERE OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE DESIGNER'S ACCEPTANCE OF THE DESIGN AND ASSUMES ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER, SUPPLIER, AND THE SUBMITTAL REVIEWER.



TC LL	20.0 PSF	REF R215-- 8301
TC DL	10.0 PSF	DATE 05/08/06
BC DL	2.0 PSF	DRW HCUSR215 06128048
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	32.0 PSF	SEQN- 24161
DUR.FAC.	1.25	FROM LRB

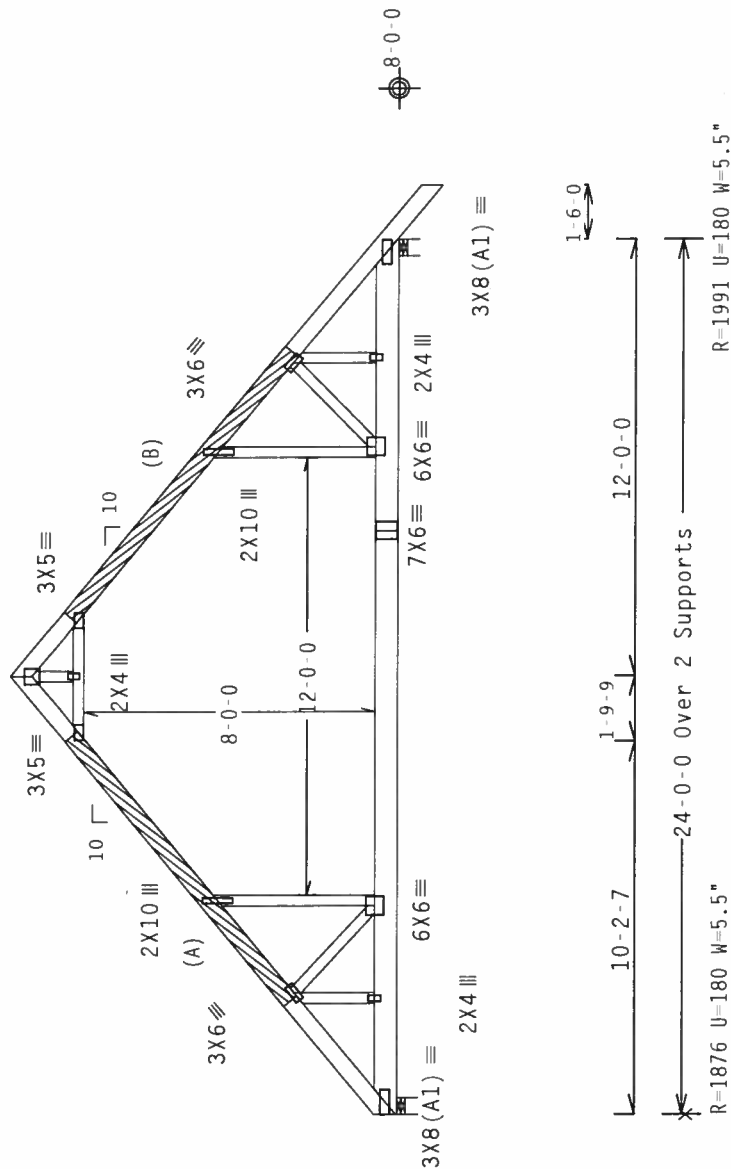
1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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

Calculated vertical deflection is 0.54" due to live load and 0.52" due to dead load at $X = 15-11-12$.

(B) (1) 2x6x9-6-0 SP SS Top chord scab centered 17-1-5 from left end. Attach to one face of chord with (3) rows of 0.131"x3" Gun_nails @ 6" O.C., staggered 3".

 $5 \times 5 =$ 

Design Crit: TPI-2002(STD)/FBC

7.24.1230

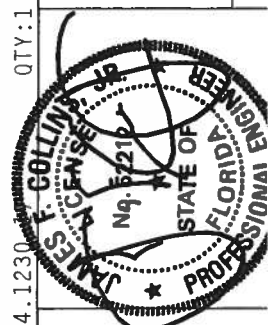
QTY:1

FL 1-151-1-181-

Scale = 1

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 N. O'CONNOR DR., SUITE 200, HANLON, IL 53719), AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., MADISON, IL 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. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES TO THE CONTRACTOR'S RESPONSIBILITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TP11. ALL CONNECTOR PLATES ARE MADE OF 2018/1816A (W-1/2X1/4) ASTM A653 GRADE 40/60 (40, 6/16-5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TP11 2002 SEC.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive

(3476 / STANLEY CRAWFORD / GRIES / Stanley Crawford Const. -- , ** - A 5)

Top chord 2x6 SP SS
Bot chord 2x8 SP #2 N : B2 2x8 SP SS:
Webs 2x4 SP #2 N

Calculated horizontal deflection is 0.27" due to live load and 0.34" due to dead load.

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

(A) (1) 2x6X9-6-0 SP SS Top chord scab centered 17'-1-5" from left end. Attach to one face of chord with (3) rows of 0.131"x3" Gun_nails @ 6" O.C., staggered 3".

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

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

(B) (1) 2x6X9-6-0 SP SS Top chord scab centered 5'-11-4" from left end. Attach to one face of chord with (3) rows of 0.131"x3" Gun_nails @ 6" O.C., staggered 3".

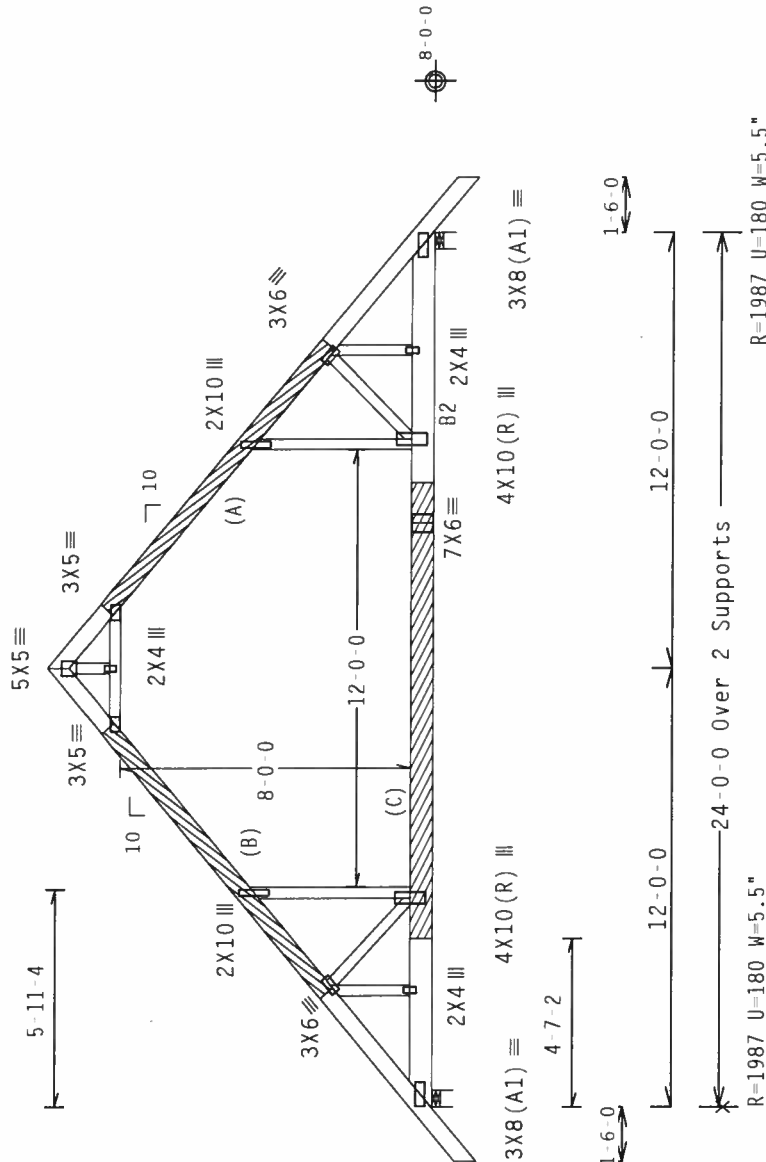
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg. Located anywhere in roof, CAT II. EXP 8. Wind TC DL=5.0 psf, Wind BC DL=5.0 psf.

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

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

Calculated vertical deflection is 0.57" due to live load and 0.54" due to dead load at X = 15'-11-12".

(C) (1) 2x8X12-6-0 SP #2 N Bottom chord scab centered 10'-10-2" from left end. Attach to one face of chord with (4) rows of 0.131"x3" Gun_nails @ 6" O.C., staggered 3".



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

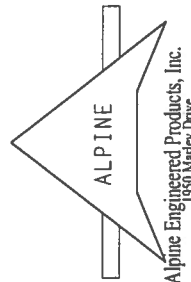
7.24.1230

FL/-/5/-/-/R/-

Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRI 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 DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CORRELATOR PLATES ARE MADE OF 2018 ALUMINUM AND MUST BE USED IN CONFORMANCE WITH THE ALPINE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN.



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

REF	R215 -	8304
DATE	05/08/06	
DRW	HCUSR215	06128065
HC-ENG	RK/WHK	
SEQN-	24365	
FROM	LRB	

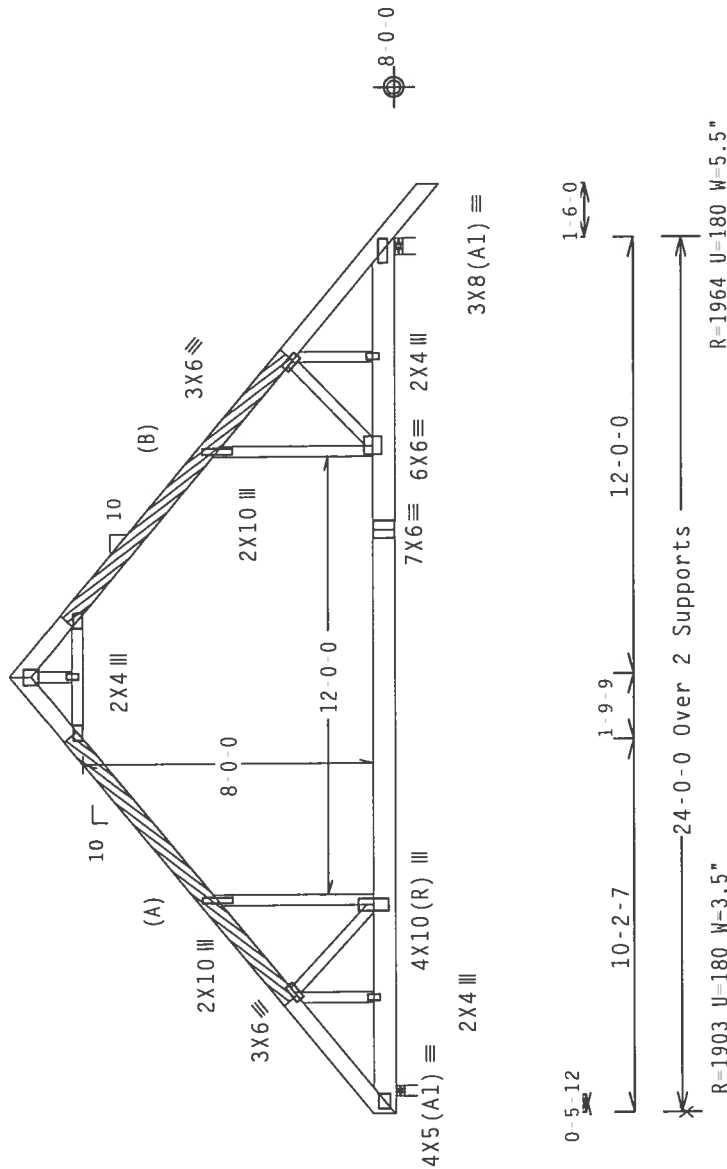
110 mph wind, 15.00 ft mean ht, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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

Calculated vertical deflection is 0.53" due to live load and 0.51" due to dead load at X = 15'-11"-12.

(B)(1) 2x6x9-5-10 SP SS Top chord scab centered 17'-0.3' from left end. Attach to one face of chord with (3) rows of 0.131"x3" Gun nails @ 6" O.C., staggered 3".

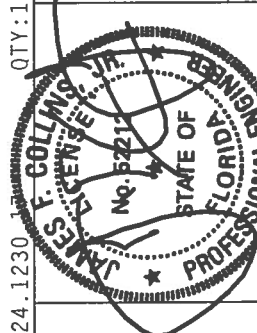
$$\begin{array}{r} 5 \times 5 = \\ 3 \times 5 = \end{array} \quad \begin{array}{r} 3 \times 5 = \\ 3 \times 5 = \end{array}$$
Design Crit: TPI-2002(STD)/FBC

QTY:1 FL/-/5/-/-/R/-
Scale = .1875"/Ft.

TC LL	20.0 PSF	REF R215 - - 8305
TC DL	10.0 PSF	DATE 05/08/06
BC DL	10.0 PSF	DRW HCUSR215 06128066
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 24371
DUR.FAC.	1.25	FROM LRB

WARNING TRUSSES REQUIRE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (CRUZZI PLATE INSTITUTE, 583 D-020610R DR., SUITE 200, MADISON, WI 53719), AND NCA (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. AIRLINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE TRUSS DESIGNER CONFORMS WITH THE PROVISIONS OF THE NATIONAL DESIGN SPEC. (BY AISC) AND THE ALPINE TRUSS COMPANY'S ART. MADE OF 20/18/16GA. (IN 4/12/24) ASTM A453 GRADE 40/60 (IN 4/16) GALV. STEEL APPLIED TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A, 7. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 4 OF 1911-2000 SPEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR E-RUSS COMPONENT



Alpine Engineered Products, Inc.

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

110 mph wind, 22.99 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.

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
Plates sized for a minimum of 3.00 sq.in./piece.

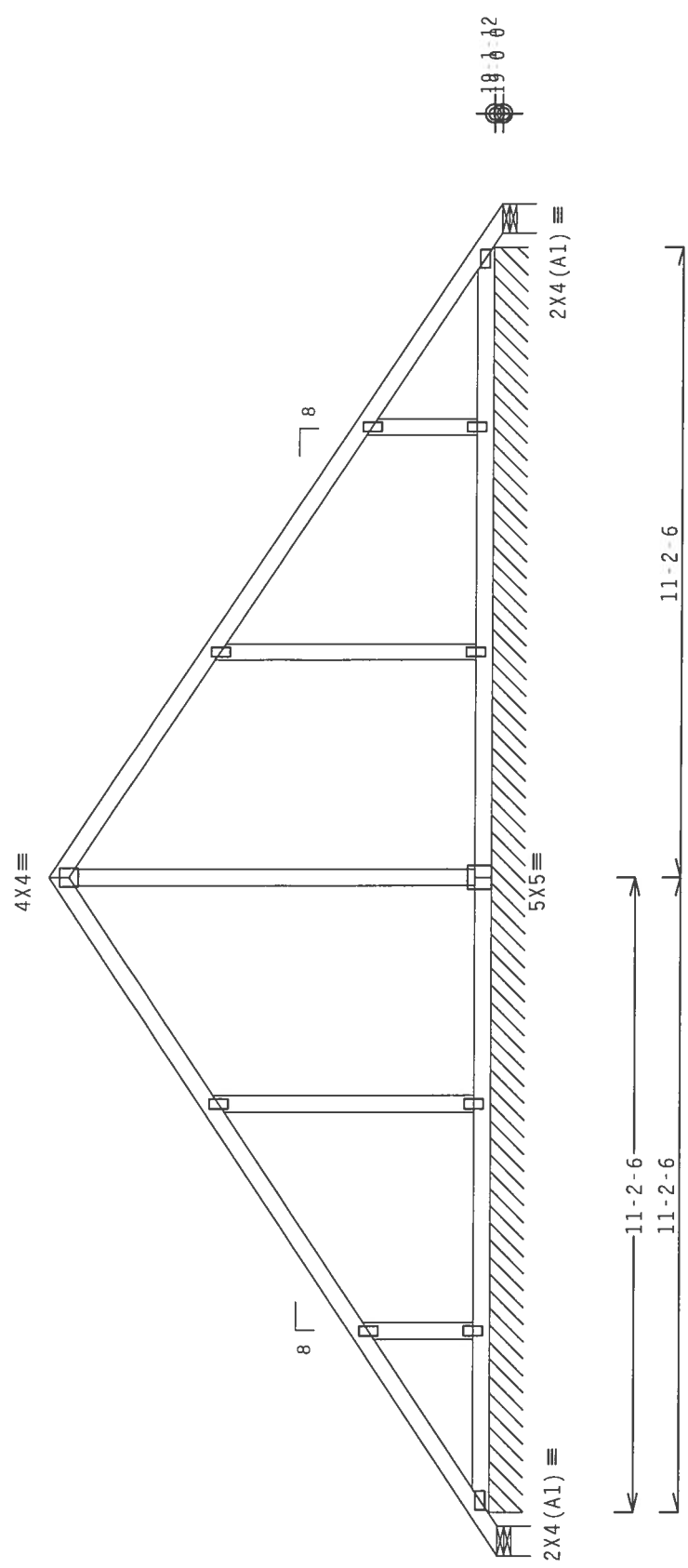
REFER TO PIGBACKA0699 OR PIGBACKB0699 FOR PIGYBACK DETAILS.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun nails)
Top Chord: 1 Row @12.00" O.C.
Bot Chord: 1 Row @12.00" O.C.
Webs : 1 Row @ 4" O.C.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

The overall height of this truss excluding overhang is 7 11-13.

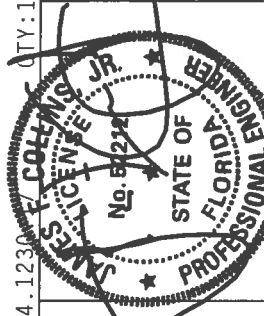


R=7 U=180 W=6.31"
R=72 PLF U=26 PLF W=22-4 12
23-11-6 Over 3 Supports
R=7 U=180 W=6.31"

Note: All Plates Are 2x4 Except As Shown.

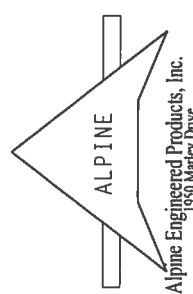
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230

PLT TYP. Wave	FL/-/5/-/-/R/-	Scale = .3125" / Ft.
TC LL	20.0 PSF	REF R215 - 8306
TC DL	10.0 PSF	DATE 05/08/06
BC DL	2.0 PSF	DRW HCUSR215 06128067
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	32.0 PSF	SEQN - 24221
DUR.FAC.	1.25	FROM LRB



****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, 803 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (H/17/5/7A) ASH A653 GRADE 40/60 (H. K/H-S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



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

110 mph wind, 22.99 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.

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

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

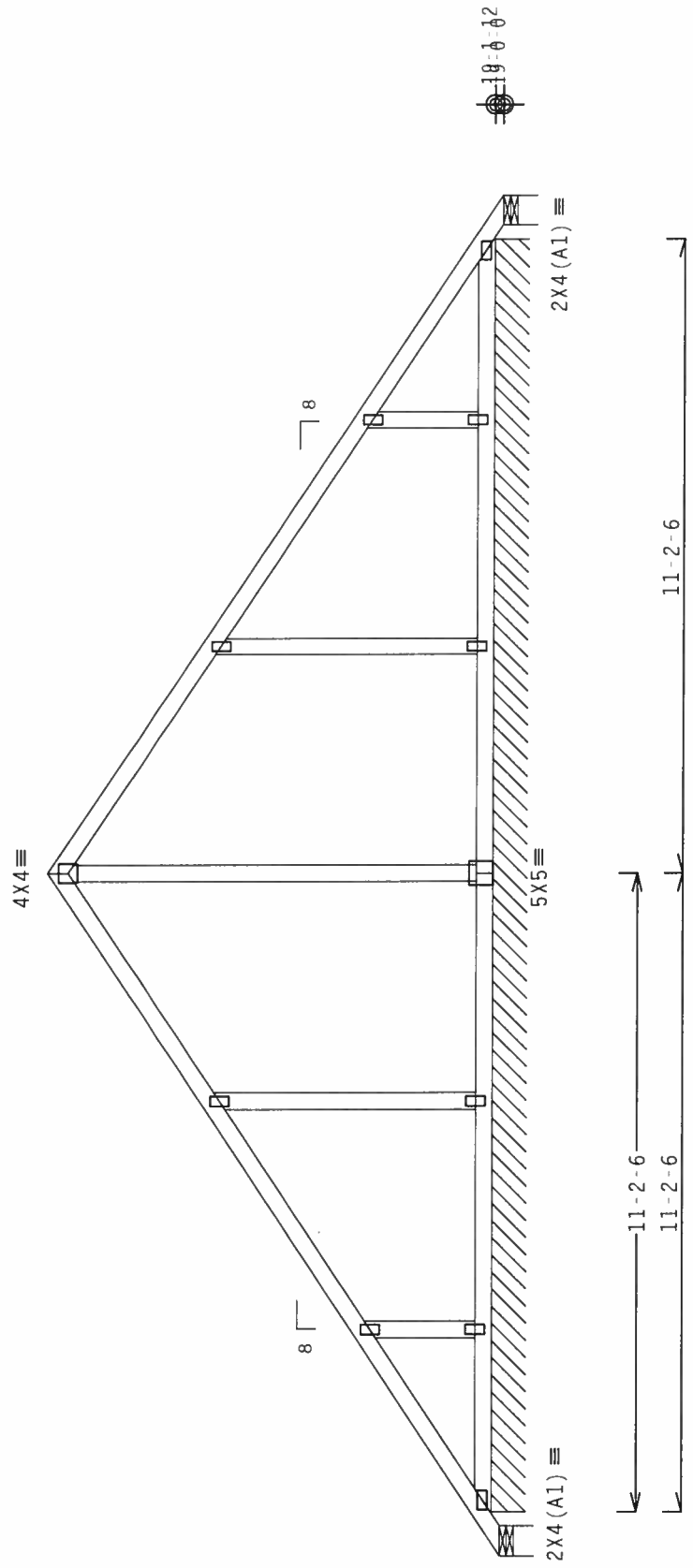
REFER TO PIGBACKA0699 OR PIGBACKB0699 FOR PIGYBACK DETAILS.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
Top Chord: 1 Row @12.00" O.C.
Bot Chord: 1 Row @12.00" O.C.
Webs : 1 Row @ 4" O.C.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

The overall height of this truss excluding overhang is 7'-11"-13."



R = -7 U=180 W=6.31"
R=72 PLF U=26 PLF W=22-4 12
23-11-6 Over 3 Supports
R = -7 U=180 W=6.31"

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

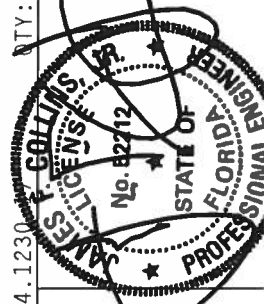
Cq/RT=1.00(1.25)/10(0)

7.24, 1230

QTY: 1

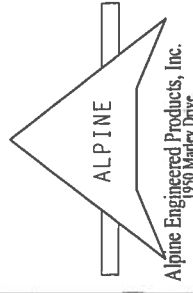
Scale = .3125" / Ft.

REF	R215 -	8307
DATE	05/08/06	
DRW	HCUSR215	06128068
HC-ENG	RK/WHK	
SEQN	24219	
FROM	LRB	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WIGA (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. APPLY PLATES TO EACH FACE OF TRUSS AND WEBS. OTHERWISE LOCKED TOGETHER PER PERMANENT LOCKING SYSTEM. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A3 OF TPI 2002 SEC. 3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun nails)

Top Chord: 1 Row @12.00" o.c.

Bot Chord: 1 Row @12.00" o.c.

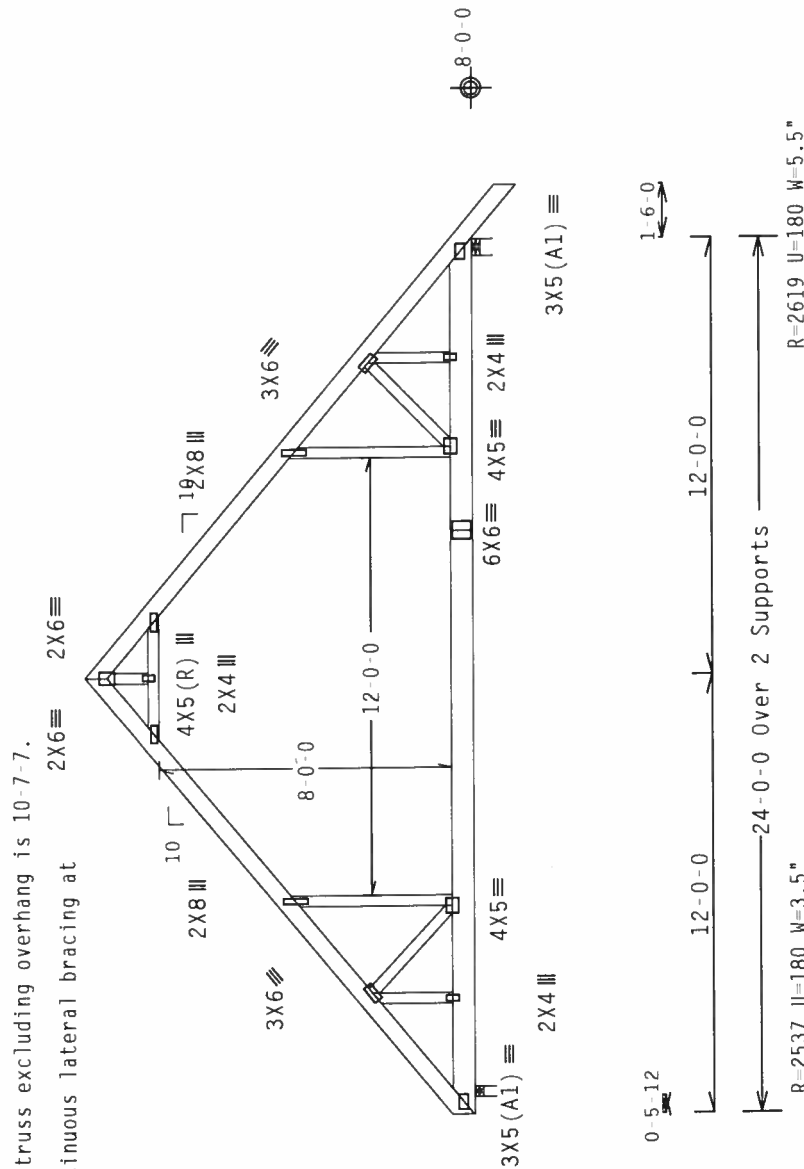
Webs : 1 Row @ 4" 0.c.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

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

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



Design Crit: TPI-2002(STD)/FBC

OTY:1 FL/-/5/-/-/R/-/-
Scale = .1875"/Ft.

30

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

PLT TYP. Wave

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGNS FOR BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY IPI (CRUSH PLATE) 78-0009-0010, 78-0009-0011, 78-0009-0012, 78-0009-0013, 78-0009-0014, 78-0009-0015, 78-0009-0016, 78-0009-0017, 78-0009-0018, 78-0009-0019, 78-0009-0020, 78-0009-0021, 78-0009-0022, 78-0009-0023, 78-0009-0024, 78-0009-0025, 78-0009-0026, 78-0009-0027, 78-0009-0028, 78-0009-0029, 78-0009-0030, 78-0009-0031, 78-0009-0032, 78-0009-0033, 78-0009-0034, 78-0009-0035, 78-0009-0036, 78-0009-0037, 78-0009-0038, 78-0009-0039, 78-0009-0040, 78-0009-0041, 78-0009-0042, 78-0009-0043, 78-0009-0044, 78-0009-0045, 78-0009-0046, 78-0009-0047, 78-0009-0048, 78-0009-0049, 78-0009-0050, 78-0009-0051, 78-0009-0052, 78-0009-0053, 78-0009-0054, 78-0009-0055, 78-0009-0056, 78-0009-0057, 78-0009-0058, 78-0009-0059, 78-0009-0060, 78-0009-0061, 78-0009-0062, 78-0009-0063, 78-0009-0064, 78-0009-0065, 78-0009-0066, 78-0009-0067, 78-0009-0068, 78-0009-0069, 78-0009-0070, 78-0009-0071, 78-0009-0072, 78-0009-0073, 78-0009-0074, 78-0009-0075, 78-0009-0076, 78-0009-0077, 78-0009-0078, 78-0009-0079, 78-0009-0080, 78-0009-0081, 78-0009-0082, 78-0009-0083, 78-0009-0084, 78-0009-0085, 78-0009-0086, 78-0009-0087, 78-0009-0088, 78-0009-0089, 78-0009-0090, 78-0009-0091, 78-0009-0092, 78-0009-0093, 78-0009-0094, 78-0009-0095, 78-0009-0096, 78-0009-0097, 78-0009-0098, 78-0009-0099, 78-0009-0100, 78-0009-0101, 78-0009-0102, 78-0009-0103, 78-0009-0104, 78-0009-0105, 78-0009-0106, 78-0009-0107, 78-0009-0108, 78-0009-0109, 78-0009-0110, 78-0009-0111, 78-0009-0112, 78-0009-0113, 78-0009-0114, 78-0009-0115, 78-0009-0116, 78-0009-0117, 78-0009-0118, 78-0009-0119, 78-0009-0120, 78-0009-0121, 78-0009-0122, 78-0009-0123, 78-0009-0124, 78-0009-0125, 78-0009-0126, 78-0009-0127, 78-0009-0128, 78-0009-0129, 78-0009-0130, 78-0009-0131, 78-0009-0132, 78-0009-0133, 78-0009-0134, 78-0009-0135, 78-0009-0136, 78-0009-0137, 78-0009-0138, 78-0009-0139, 78-0009-0140, 78-0009-0141, 78-0009-0142, 78-0009-0143, 78-0009-0144, 78-0009-0145, 78-0009-0146, 78-0009-0147, 78-0009-0148, 78-0009-0149, 78-0009-0150, 78-0009-0151, 78-0009-0152, 78-0009-0153, 78-0009-0154, 78-0009-0155, 78-0009-0156, 78-0009-0157, 78-0009-0158, 78-0009-0159, 78-0009-0160, 78-0009-0161, 78-0009-0162, 78-0009-0163, 78-0009-0164, 78-0009-0165, 78-0009-0166, 78-0009-0167, 78-0009-0168, 78-0009-0169, 78-0009-0170, 78-0009-0171, 78-0009-0172, 78-0009-0173, 78-0009-0174, 78-0009-0175, 78-0009-0176, 78-0009-0177, 78-0009-0178, 78-0009-0179, 78-0009-0180, 78-0009-0181, 78-0009-0182, 78-0009-0183, 78-0009-0184, 78-0009-0185, 78-0009-0186, 78-0009-0187, 78-0009-0188, 78-0009-0189, 78-0009-0190, 78-0009-0191, 78-0009-0192, 78-0009-0193, 78-0009-0194, 78-0009-0195, 78-0009-0196, 78-0009-0197, 78-0009-0198, 78-0009-0199, 78-0009-0200, 78-0009-0201, 78-0009-0202, 78-0009-0203, 78-0009-0204, 78-0009-0205, 78-0009-0206, 78-0009-0207, 78-0009-0208, 78-0009-0209, 78-0009-0210, 78-0009-0211, 78-0009-0212, 78-0009-0213, 78-0009-0214, 78-0009-0215, 78-0009-0216, 78-0009-0217, 78-0009-0218, 78-0009-0219, 78-0009-0220, 78-0009-0221, 78-0009-0222, 78-0009-0223, 78-0009-0224, 78-0009-0225, 78-0009-0226, 78-0009-0227, 78-0009-0228, 78-0009-0229, 78-0009-0230, 78-0009-0231, 78-0009-0232, 78-0009-0233, 78-0009-0234, 78-0009-0235, 78-0009-0236, 78-0009-0237, 78-0009-0238, 78-0009-0239, 78-0009-0240, 78-0009-0241, 78-0009-0242, 78-0009-0243, 78-0009-0244, 78-0009-0245, 78-0009-0246, 78-0009-0247, 78-0009-0248, 78-0009-0249, 78-0009-0250, 78-0009-0251, 78-0009-0252, 78-0009-0253, 78-0009-0254, 78-0009-0255, 78-0009-0256, 78-0009-0257, 78-0009-0258, 78-0009-0259, 78-0009-0260, 78-0009-0261, 78-0009-0262, 78-0009-0263, 78-0009-0264, 78-0009-0265, 78-0009-0266, 78-0009-0267, 78-0009-0268, 78-0009-0269, 78-0009-0270, 78-0009-0271, 78-0009-0272, 78-0009-0273, 78-0009-0274, 78-0009-0275, 78-0009-0276, 78-0009-0277, 78-0009-0278, 78-0009-0279, 78-0009-0280, 78-0009-0281, 78-0009-0282, 78-0009-0283, 78-0009-0284, 78-0009-0285, 78-0009-0286, 78-0009-0287, 78-0009-0288, 78-0009-0289, 78-0009-0290, 78-0009-0291, 78-0009-0292, 78-0009-0293, 78-0009-0294, 78-0009-0295, 78-0009-0296, 78-0009-0297, 78-00

**** IMPORTANT ****TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS D
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH 1P1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING TO TRUSS
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/MSA) AND APPLICABLE
CONTRACTOR PLATES ARE MADE OF 2018/16GA (MIL-15530) ASTM A653 GRADE 40/60 (4. K/H-5) GALV. STEEL
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, PUNCTURE PER DRAWINGS FIGOA 2.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX 43 OF 1P11 2002 SECTION 3. A SEAL ON THIS



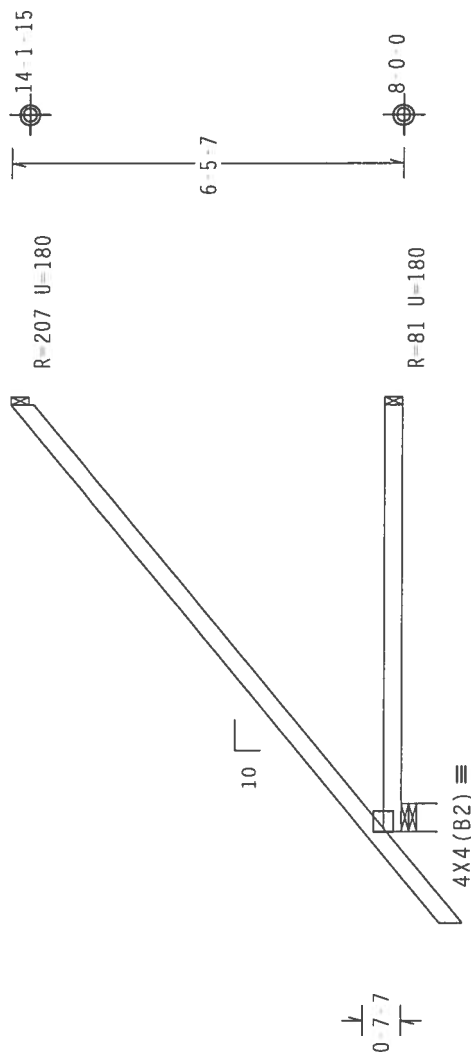
Alpine Engineered Products, Inc.

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

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/240 live and L/180 total load.

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



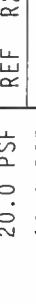
1-601

← 7-0-0 Over 3 Supports →

Design Crit: TPI-2002(STD)/FBC

QTY: 7 FL/-/5/-/-R/- Scale = .3125"/Ft.

PLT TYP. Wave



ALPINE
Alpine Engineered Products, Inc.

REF	R215 --	PSF	20.0	TC LL
DATE	05/08/06	PSF	10.0	TC DL
DRW	HCUSR215 06128070	PSF	10.0	BC DL
HC-ENG RK/WHK		PSF	0.0	BC LL
SEQN-	24196	PSF	40.0	TOT.LD.
FROM	IRB		1.25	DUR.FAC.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENTS INFORMATION), PUBLISHED BY IP1 (TRUSS PLANT) INSTITUTE, 563 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS DESIGN HANDBOOK, 63000 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 DESIGN PERFORMANCE WITH IP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN PERFORMANCE WITH IP1 OR PROVIDING (CUTTING, DRILLING, GRINDING, BENDING, etc.) ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (14.10/13) ASTM A563 GRADE 40/65EN. POSITION PER DRAWINGS 160A, 2. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP11 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



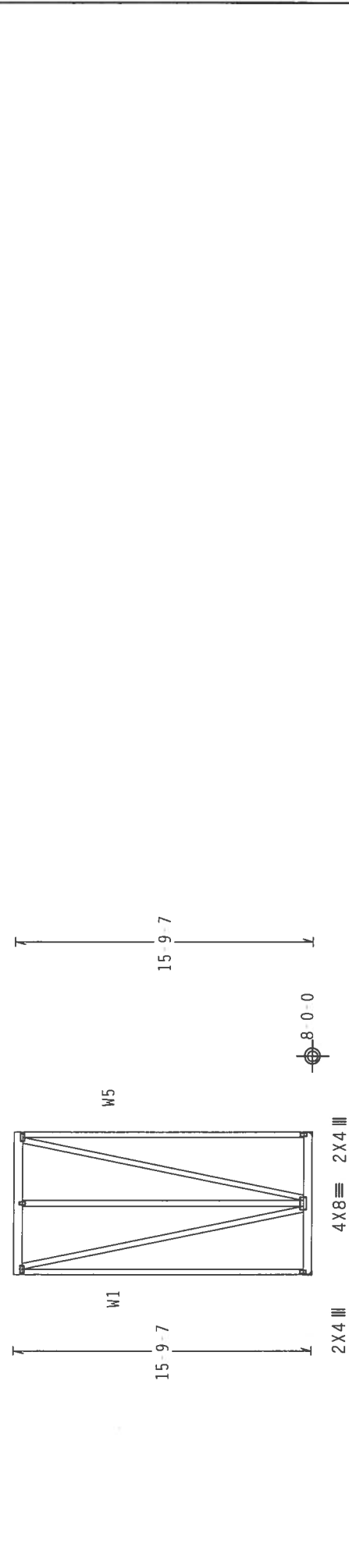
JAMES F. COLLINS
PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 82212

Top chord 2x6 SP #2 N
Bot chord 2x6 SP #2 N
Webs 2x4 SP #2 N :W1, W5 2x4 SP SS:
SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 7.50
BC - From 20 PLF at 0.00 to 20 PLF at 7.50
BC - 922 LB Conc. Load at 1.88, 3.63, 5.63

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.
Truss must be installed as shown with top chord up.
The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.
3X5 = 2X4 3X5 = 3X5 = 2X4 3X5 =

2 COMPLETE TRUSSES REQUIRED
Nailing Schedule: (0.131"x3" Gun_nails)
Top Chord: 1 Row @12.00" O.C.
Bot Chord: 1 Row @ 4.25" O.C.
Webs : 1 Row @ 4" O.C.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
110 mph wind, 23.79 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/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 15'9"-7".

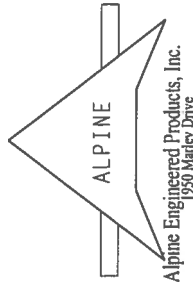
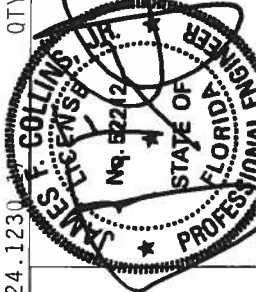
R=1668 U-220 H-Simpson HU26-2
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (12) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine



R=1699 U-224 H-Simpson HU26-2
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (12) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine

PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230 QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

REF	R215-	8310
DATE	05/08/06	
DRW	HCUR215	06128102
HC-ENG	RK/WHK	
SEQN	24327	
FROM	LRB	



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

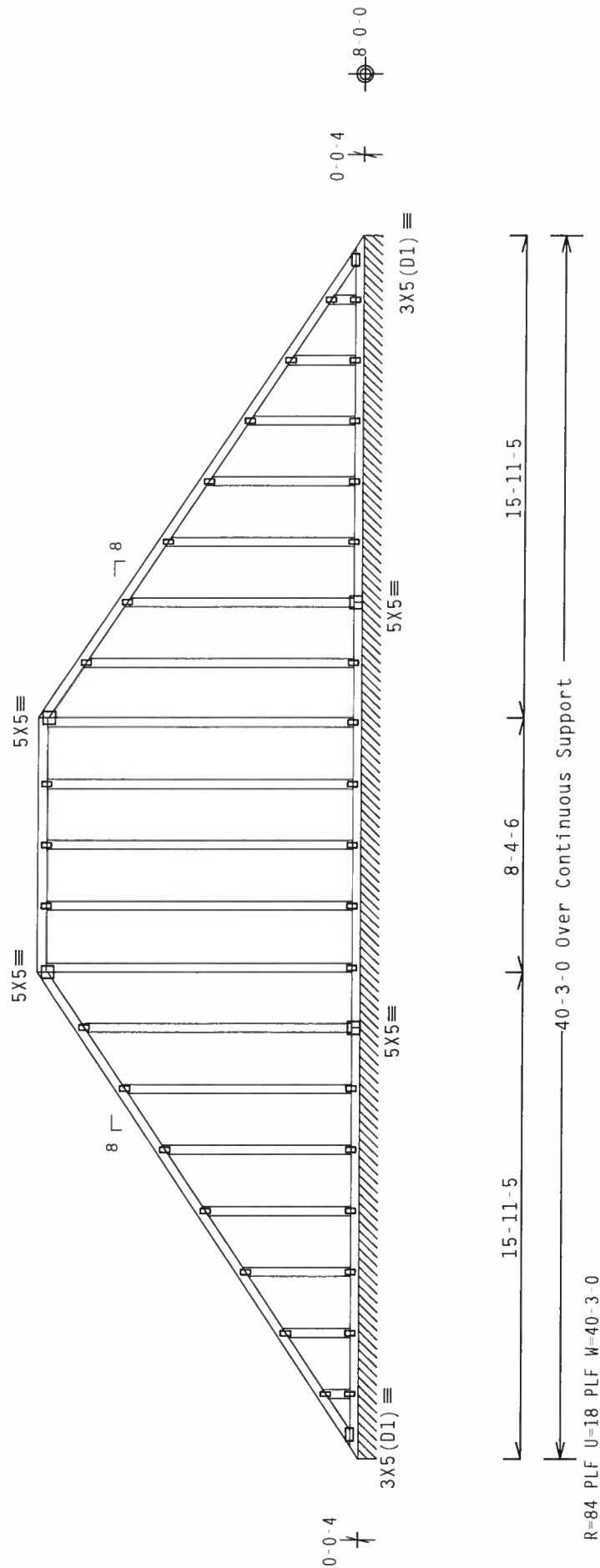
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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.

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



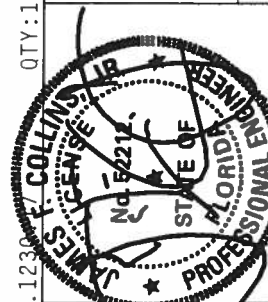
Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

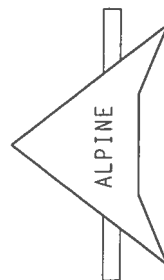
QTY:1 FL/-/5/-/-/R/-
Scale =.1875"/Ft.

TC LL	20.0	PSF	REF R215 - 8311
TC DL	10.0	PSF	DATE 05/08/06
BC DL	10.0	PSF	DRW HCUR215 06128071
BC LL	0.0	PSF	HC-ENG RK/WHK
TOT.LD.	40.0	PSF	SEQN- 24229
DUR.FAC.	1.25		FROM LRB



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. SEE PAGES 1-10 FOR BUILDING CONSTRUCTION INFORMATION. PUBLISHED BY IPTI (TRUSS PULP INSTITUTE, 583 GARDENVIEW DRIVE, WILSONVILLE, OREGON 97150). TRUSS SOCIETY OF AMERICA, 6300 ENTERPRISE DR., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THIS WORK. THE INFORMATION INDICATED ON THIS CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOLTED CHORD SHALL HAVE PROPERLY ATTACHED TOP CHORD CELLING.

****IMPORTANT****—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED TRUSS COMPANY ASSUMES NO RESPONSIBILITY FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS, OR ANY DAMAGE TO PROPERTY OR PERSONS RESULTING FROM THE DESIGN OR CONSTRUCTION OF THE TRUSS. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR ALPINE AND THE APPLICABLE CONNECTOR PLATES ARE MADE OF 20/19/16GA #18 (H/VS/K) ASTM A653 GRADE 40/50 (IN. K/HS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A3 OF IPII 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



Alpine Engineered Products, Inc.
1950 Marley Drive

The overall height of this truss excluding overhang is 29.7.

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



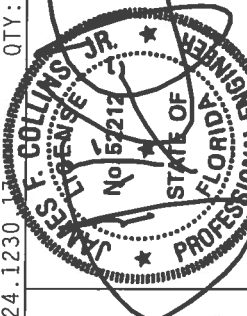
R-73 PLF U-89 PLF W-6-9-12

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

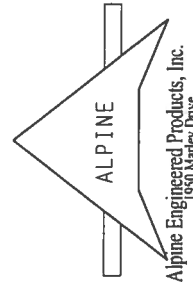
QTY:1 FL/-/5/-/-/R/- Scale = .5"/Ft.

TC LL	20.0	PSF	REF	R215--	8312
TC DL	10.0	PSF	DATE	05/08/06	
BC DL	2.0	PSF	DRW	HCUSR215	06128101
BC LL	0.0	PSF	HC-ENG	RK/WHK	
TOT.LD.	32.0	PSF	SEQN-	24202	
DUR.FAC.	1.25		FROM	LRR	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BESS 1-103 (BUILDING COMPLIANT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 1/2 SOUTH 700TH AVE., MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DRIVE, MADISON, WI 53719) FOR ADDITIONAL INFORMATION REGARDING THESE DIRECTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS ARE IN INCHES. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID SHELLING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.
PRODUCING IS RESPONSIBLE FOR ANY OVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE PROVISIONS OF THIS DESIGN WILL BE AT THE RISKER'S DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.) IN ADDITION TO THE CONNECTOR PLATES ARE MADE OF 20/10/16GA. H/M/S/E/ASTM A653 GRADE 40/60 (J & K) GALV STEEL PLATES TO EACH FACE OF TRUSS AND H/M/S/E/ASTM A653 GRADE 40/60 (J & K) GALV STEEL CONNECTOR PLATES TO EACH FACE OF TRUSS AND H/M/S/E/ASTM A653 GRADE 40/60 (J & K) GALV STEEL DRUM INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE SEAL ON THIS CONNECTION. POSITION PER DRAWINGS 160A Z.



	Top chord	2x4	SP	#2	N	:T4	2x6	SP	#2	N:
Bot chord	2x4	SP	#2	N	:B3	2x4	SP	#2	Dense:	
webs	2x4	SP	#2	N	:W5	2x4	SP	SS:		

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

WB: Web-Blocks are 2x4 of grade: WB1 = SP #2 N, WB2 = SP #2 N; and fastened to web with W3/4 or larger plates. See DRWG BRWEBBLOCK1103 for further details.

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'-0".

+ Member to be laterally braced for horizontal wind loads. Bracing system to be designed and furnished by others.

* MEMBER TO BE BRACED BY PROPERLY ATTACHED PLYWOOD SHEATHING.

110 mph wind; 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 8.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf

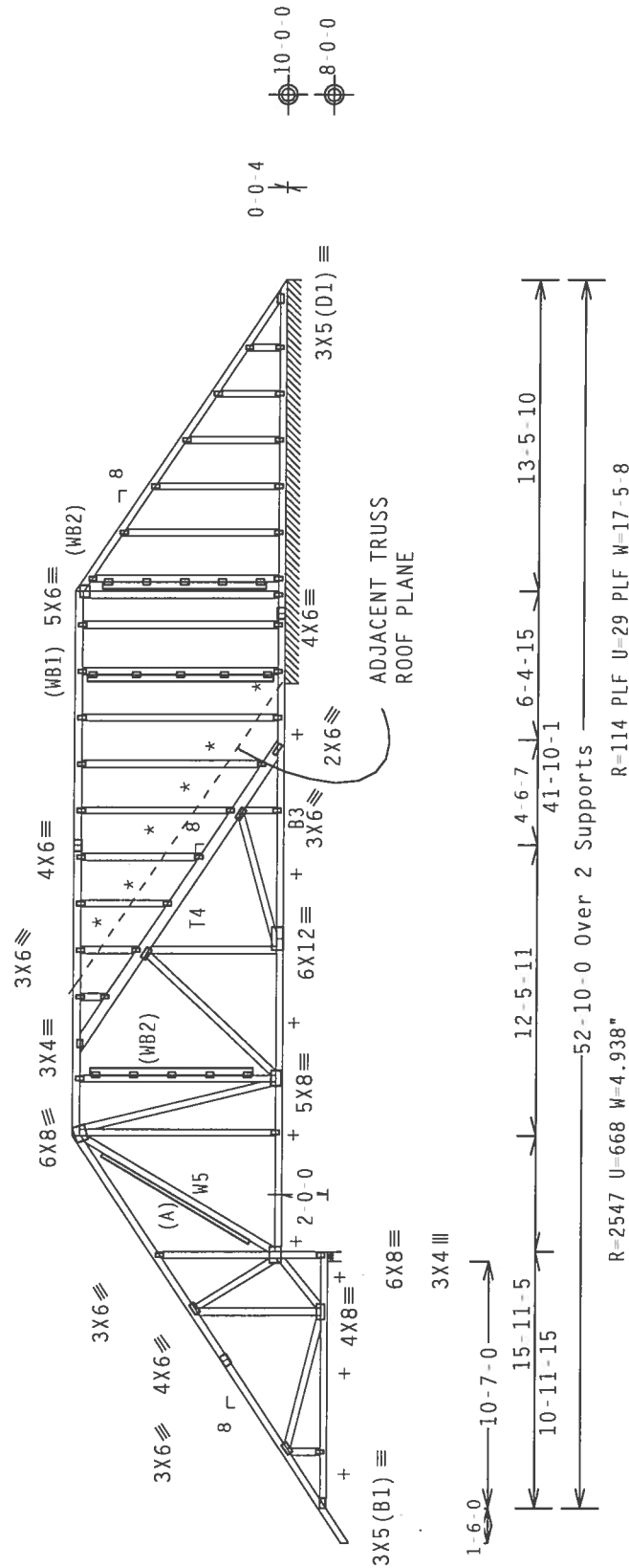
Gable end supports 8" max rake overhang.

(A) 2x6 SP #3 or better "L" brace. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.) nails @ 6" OC.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

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



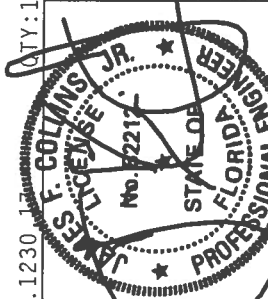
Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

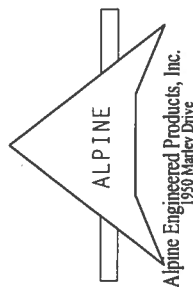
QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

TC LL	20.0	PSF	REF	R215 -	8313
TC DL	10.0	PSF	DATE	05/08/06	
BC DL	10.0	PSF	DRW	HCUSR215	06128072
BC LL	0.0	PSF	HC - ENG	RK/WHK	
TOT.LD.	40.0	PSF	SEON -	24294	
DUR.FAC.	1.25		FROM	LRB	



WARNING: THESE THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS 1-03 (BUILDING COMPONENT INFORMATION), PUBLISHED BY IPTI, "STEELS PLATE" INST. 363, 4700 N. CENTRAL AVE., SUITE 200, MADISON, WI 53719, AND NCA (NATIONAL BUILDERS COUNCIL OF AMERICA, 6100 EAST AVE., SUITE 200, MADISON, WI 53719), FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.
THESE INSTRUCTIONS ARE THE RESPONSIBILITY OF THE DESIGNING ENGINEER. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, UNLOADING AND INSTALLING THE TRUSS CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AREA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/J/S/K) ASTM A663 GRADE 40/60 (H. K/H/S) GALV. STEEL APPLIED TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI1-2007 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



Top chord 2x4 SP #2 N : T4 2x6 SP #2 N :
15 2x4 SP #2 Dense :
Bot chord 2x6 SP #2 N : B1 2x4 SP #2 N :
: B4, B5 2x6 SP SS :
Webs 2x4 SP #2 N

Gable end supports 8" max rake overhang.

WB: Web-Blocks are 2x4 of grade: WB1 = SP #2 N, WB2 = SP #2 N;
and fastened to web with W3x4 or larger plates. See DRWG
BRWEBLOCK1103 for further details.

Calculated vertical deflection is 0.65" due to live load and
0.71" due to dead load at X = 46'-5.0".

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

The overall height of this truss excluding overhang is 11'-0.0".

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

+ Member to be laterally braced for horizontal wind loads.
Bracing system to be designed and furnished by others.

* MEMBER TO BE BRACED BY PROPERLY ATTACHED PLYWOOD SHEATHING.

5X8 =

3X4 = 3X6 =

T5

5X8 =

7X6 =

3X6 =

7X10 =

4X4 =

1010 =

3X10(B3) =

16.0

9-0-8

15-11-5

11-11-11

9-2-7

43-9-8

52-10-0 Over 2 Supports

R-2331 U-666 W=5.5"

13-5-10

2 2 15

8-0-0

0-0-0

0-0-0

0-0-0

0-0-0

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not
located within 8.50 ft from roof edge, CAT II, EXP B, Wind TC
DL=5.0 psf, wind BC DL=5.0 psf.

See DWGS A11015E0405 & GBLLETIN0405 for more requirements.

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

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

WARNING: Furnish a copy of this DWG to the installation
contractor. Special care must be taken during handling, shipping
and installation of trusses. See "WARNING" note below.

5X8 =

3X4 = 3X6 =

T5

5X8 =

7X6 =

3X6 =

7X10 =

4X4 =

1010 =

3X10(B3) =

16.0

9-0-8

15-11-5

11-11-11

9-2-7

43-9-8

52-10-0 Over 2 Supports

R-2331 U-666 W=5.5"

13-5-10

2 2 15

8-0-0

0-0-0

0-0-0

0-0-0

0-0-0

0-0-0

0-0-0

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

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

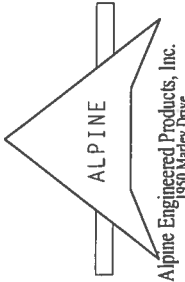
7.24.1230

QTY:1

FL/-5/-R/-

Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R215 -	8314
TC DL	10.0 PSF	DATE	05/08/06	
BC DL	10.0 PSF	DRW	HCUSR215	06128073
BC LL	0.0 PSF	HC-ENG	RK/WHK	
TOT.LD.	40.0 PSF	SEQN	-	24276
DUR.FAC.	1.25	FROM	IRR	



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

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.

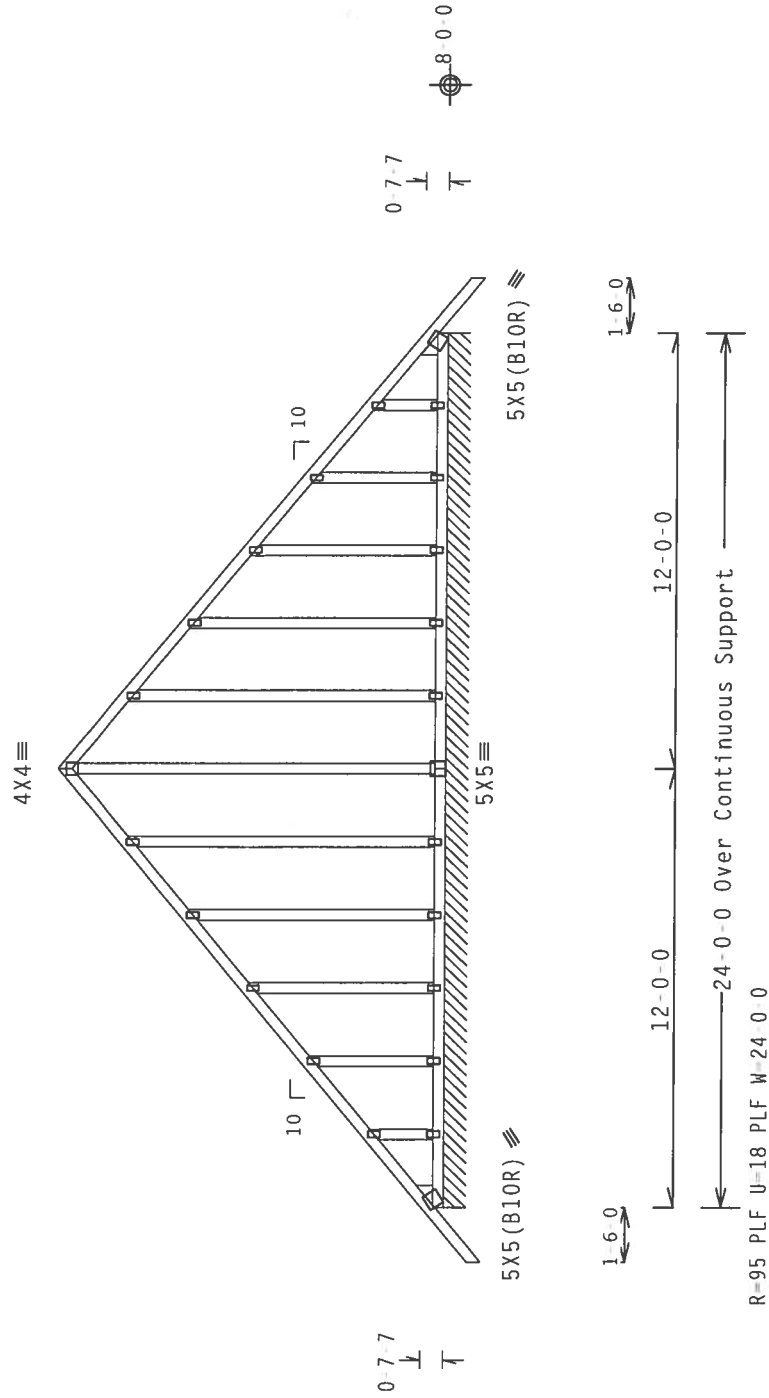
Plates sized for a minimum of 3.00 sq.in./piece.

See DWGS A11015EE0405 & GBULLETIN0405 for more requirements.

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

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

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



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

$$Ca/RT = 1.00(1.25)/10(0) \quad 7 \quad 24 \quad 1230$$

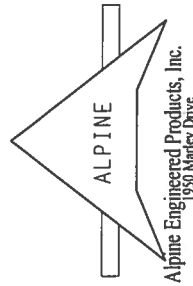
0TV.1 E1 / - / E1 / - / D1 /

Scale = .1875"/Ft.

TC LL	20.0	PSF	REF	R215 --	8316
TC DL	10.0	PSF	DATE	05/08/06	
BC DL	10.0	PSF	DRW	HCUSR215	06128075
BC LL	0.0	PSF	HC-ENG	RK/WHK	
TOT.LD.	40.0	PSF	SEQN-	24151	
DUR.FAC.	1.25		FROM	IRR	

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFERENCES TO FOLLOWING COMPANIES (SAFETY INFORMATION), PUBLISHED BY IPTI (TRUSS PANEL INSTITUTE, 583 E. DOWNEY RD., SUITE 200, CHICAGO, ILL. 60605-4000) ARE: (1) TRUSS PANEL INSTITUTE, 583 E. DOWNEY RD., SUITE 200, CHICAGO, ILL. 60605-4000; (2) TRUSS PANEL INSTITUTE, 6300 ENTERPRISE, 151 MADISON, MI 48137. FOR SAFETY PRECAUTIONS PRIOR TO PERFORMING ANY WORK, THE FOLLOWING INFORMATION IS REQUESTED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED, LIGATED, TOP CHORD GULLING.

*****IMPORTANT***** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE ENGINEER IS NOT RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE PROVISIONS OF THIS DESIGN, INCLUDING THE PROVISIONS OF THE DESIGN CONFORMS WITH ALL PERMISSIBLE PROVISIONS OF THE NATIONAL DESIGN SPEC. (NDS), AISC, AND THE CONNECTOR PLATES ARE MADE OF 2018/16GA. 0.115/16GA. 40/60 (N. 4/16 S). GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA. 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 4 OF 1911 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



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

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

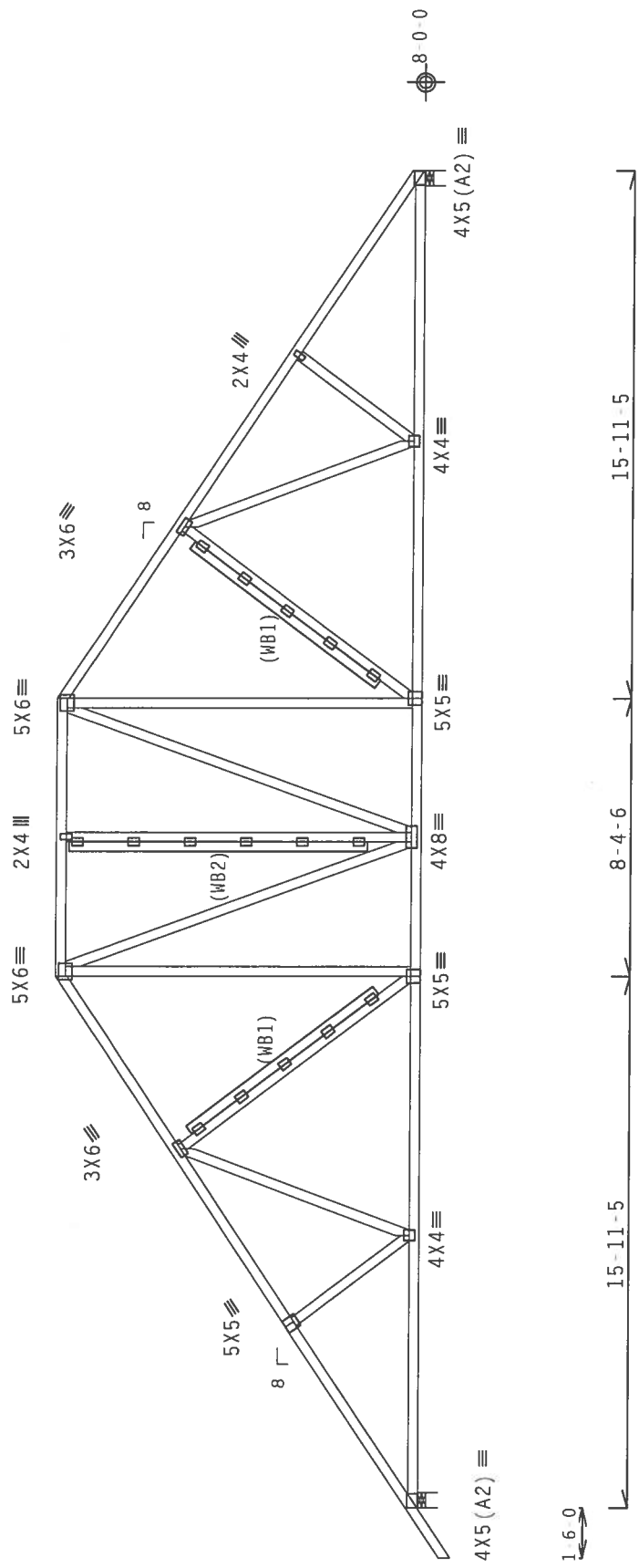
WB: Web Blocks are 2x4 of grade: WB1 = SP #2 N, WB2 = SP #2 N; and fastened to web with W3X4 or larger plates. See DRWG BRWEBLOCK1103 for further details.

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

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

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

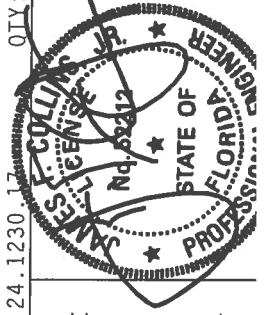
The overall height of this truss excluding overhang is 11'-0".



15'-11-5" 8'-4-6" 15'-11-5"
40'-3-0 Over 2 Supports
R=1689 U-180 W=5.5"

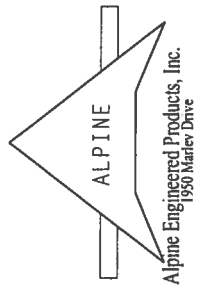
Design Crit: TPI-2002 (STD)/FBC

TC LL	20.0 PSF	FL / - / 5 / - / - / R / -	QTY: 1	7.24.1230.17	Scale = .1875" / Ft.
TC DL	10.0 PSF				REF R215 - 8317
BC DL	10.0 PSF				DATE 05/08/06
BC LL	0.0 PSF				DRW HCUSR215 06128076
TOT.LD.	40.0 PSF				HC-ENG RK/WHK *
DUR.FAC.	1.25				SEQN- 24235
					FROM LRB



****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 DUNDORIO DR., SUITE 200, MADISON, WI 53719), AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. RESIST CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED, ALL PLATES SHALL BE 3/8" THICK. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SPEC. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



PLT TYP. Wave

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

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.

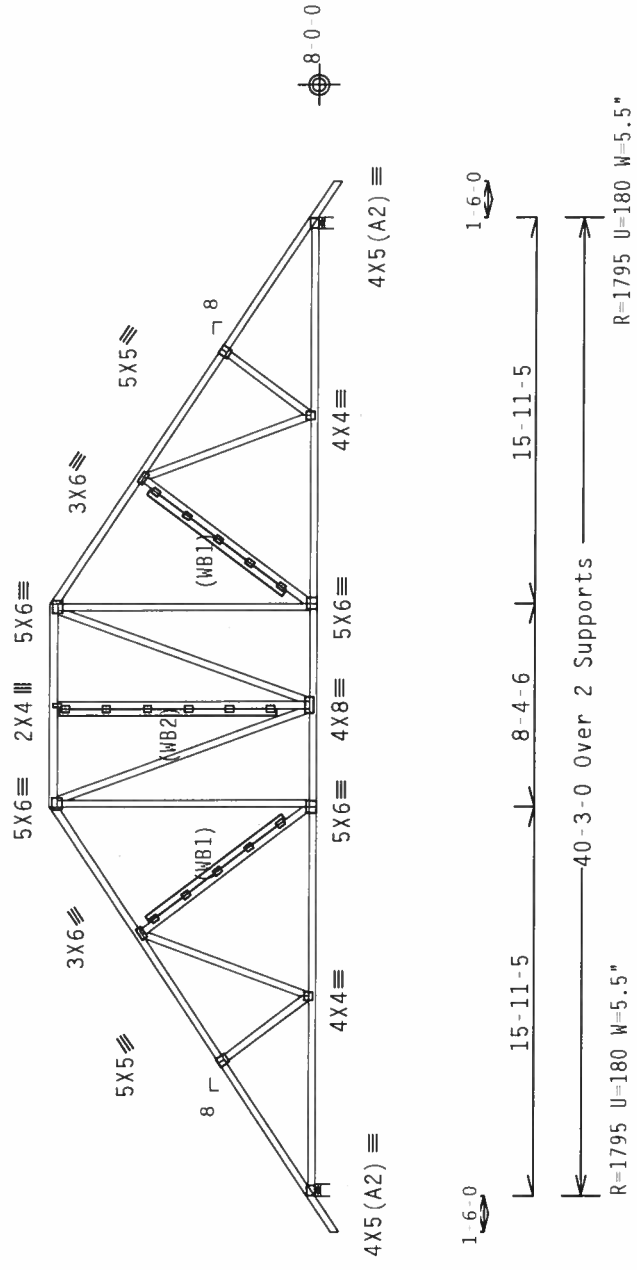
In lieu of structural panels use purlins to brace all flat TC @
24" OC.

WB: Web-Blocks are 2x4 of grade: WB1 = SP #2 N, WB2 = SP #2 N;
and fastened to web with W3X4 or larger plates. See DRWG
BRWEBB10CK1103 for further details.

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 11-0-0.

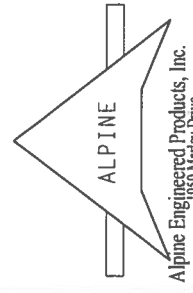
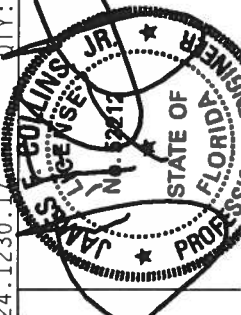


Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	QTY: 5		FL / - / 5 / - / - / R / -		Scale = .125" / Ft.	
	REF	R215	-	8318	TC LL	20.0 PSF
	DATE	05/08/06			TC DL	10.0 PSF
	DRW	HCUSR215	06128077		BC DL	10.0 PSF
	HC-ENG	RK/WHK	*		BC LL	0.0 PSF
					TOT.LD.	40.0 PSF
					DUR.FAC.	1.25
					FROM	IRR

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PRODUCTS, INC. 10000 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA) 6300 FATHERS LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H/5/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 TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



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

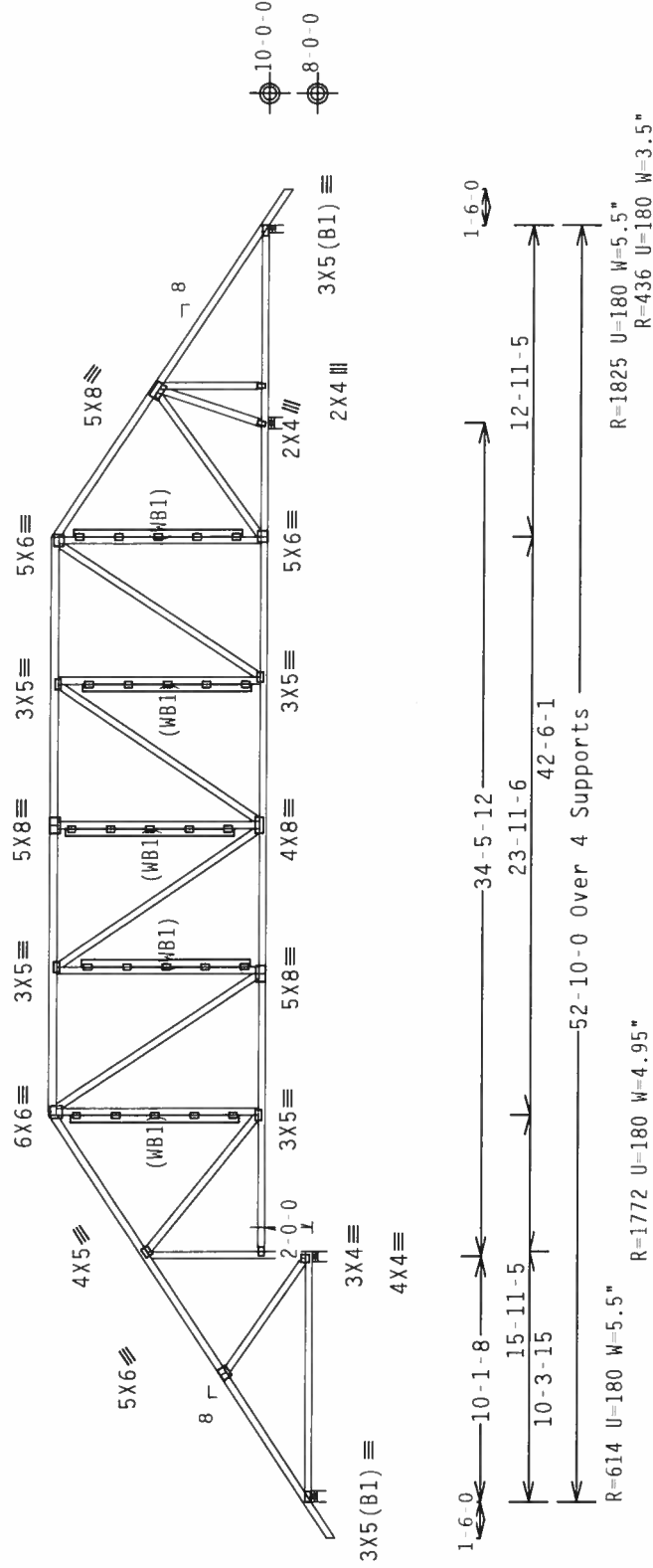
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

In lieu of structural panels use purlins to brace all flat TC @ 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 11-0-0.



Design Crit: TPI-2002(STD)/FBC

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS 1.03 (BUILDING COMPONENT SAFETY INFORMATION) FOR MORE DETAILED INFORMATION. THIS PRODUCT IS MANUFACTURED BY WESTERN WOOD PRESERVATION CO., 5631 MADISON DR., SUITE 200, MADISON, WI 53719, AND WECA (WOOD TRUSS COUNCIL OF NORTH AMERICA), 5631 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.

QTY:1 FL/-/5/-/-/R/- Scale =.125"/Ft.

WARNING RUSSLS REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (TRUSS PLATE INSTITUTE, 583 D-CHORNER DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE IN., 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.

TC LL	20.0 PSF	REF R215-- 8320
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TC DL	10.0 PSF	DATE	05/08/06
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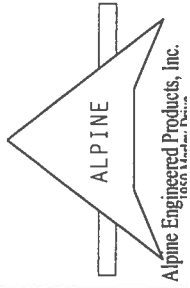
BC DL	10.0 PSF	DRW HCUSR215 06128079
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BC LL	0.0 PSF	HC-ENG RK/WHK
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TOT.LD.	40.0 PSF	SEQN-	2
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	DUR.FAC.	1.25	FROM	IRR
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PLT TYP. Wave



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

110 mph wind, 15.00 ft mean hgt, ASCE 7 02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

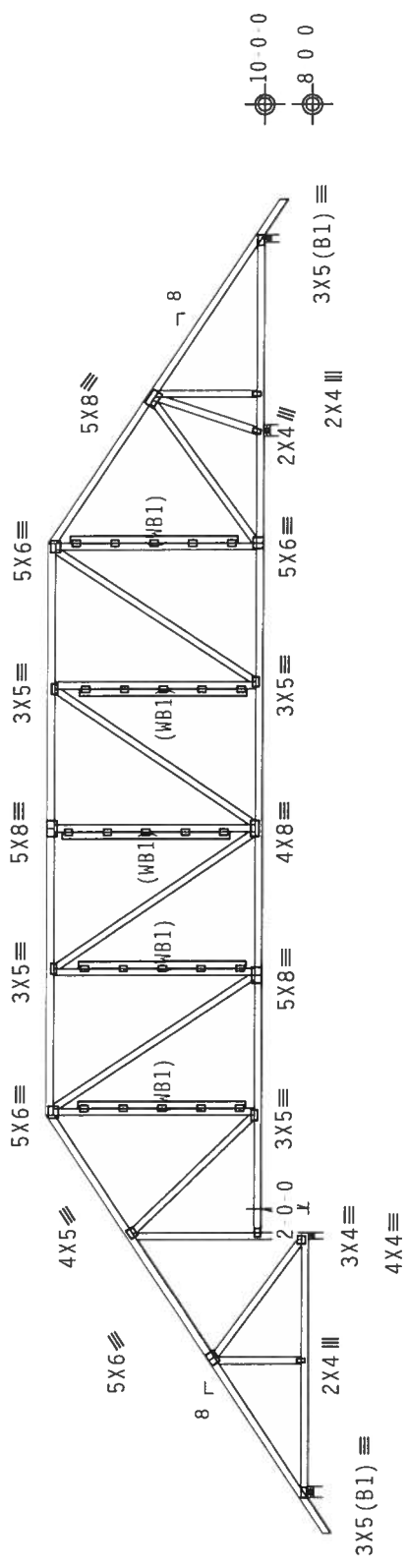
WB: Web-Blocks are 2x4 of grade: WB1 SP #2 N, and fastened to web with W3X4 or larger plates. See DRWG BRWEBBLOCK1103 for further details.

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 0 0.

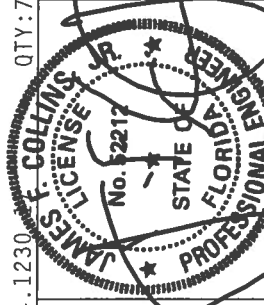
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



16 0
10-10-12
15-11-5
11-0-8
41-9-8
52-10-0 Over 4 Supports
R-631 U 180 W 5.5"
R 1788 U 180 W 3.5"
R 1786 U=180 W 5.5"
R 441 U 180 W 3.5"

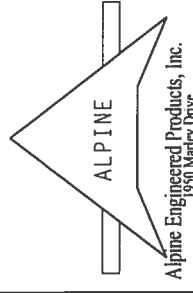
Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230

PLT TYP. Wave	QTY: 7		FL / - / 5 / - / - / R / -		Scale = .125" / Ft.	
	TC LL	20.0 PSF	REF	R215 - -	8321	
	TC DL	10.0 PSF	DATE	05/08/06		
	BC DL	10.0 PSF	DRW	HCUSR215	06128080	
	BC LL	0.0 PSF	HC-ENG	RK / WHK		
TOT. LD.		40.0 PSF	SEON -	24140		
DUR. FAC.		1.25	FROM	LRB		



****WARNING**** FRUSTRATIONS REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ORFORD DR., SUITE 200, MADISON, WI 53719) AND NCA (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 AIA) AND TPI. APPLY CORRECTION PLATES ARE MADE BY 2018/1816GA (M-17/574) - ASTM A653 GRADE 40/60 (M. K71-S) GALV. STEEL. APPLY CORRECTION PLATES TO ALL TRUSSES. THE TRUSSES SHALL BE PERFORMED BY THE INSTALLATION CONTRACTOR. ANY INSPECTION OF PLATES FOLLOWED BY THE TRUSSES SHALL BE PERFORMED BY THE INSTALLATION CONTRACTOR. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SEE TPI FOR THE TRUSS COMPONENT.



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

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.

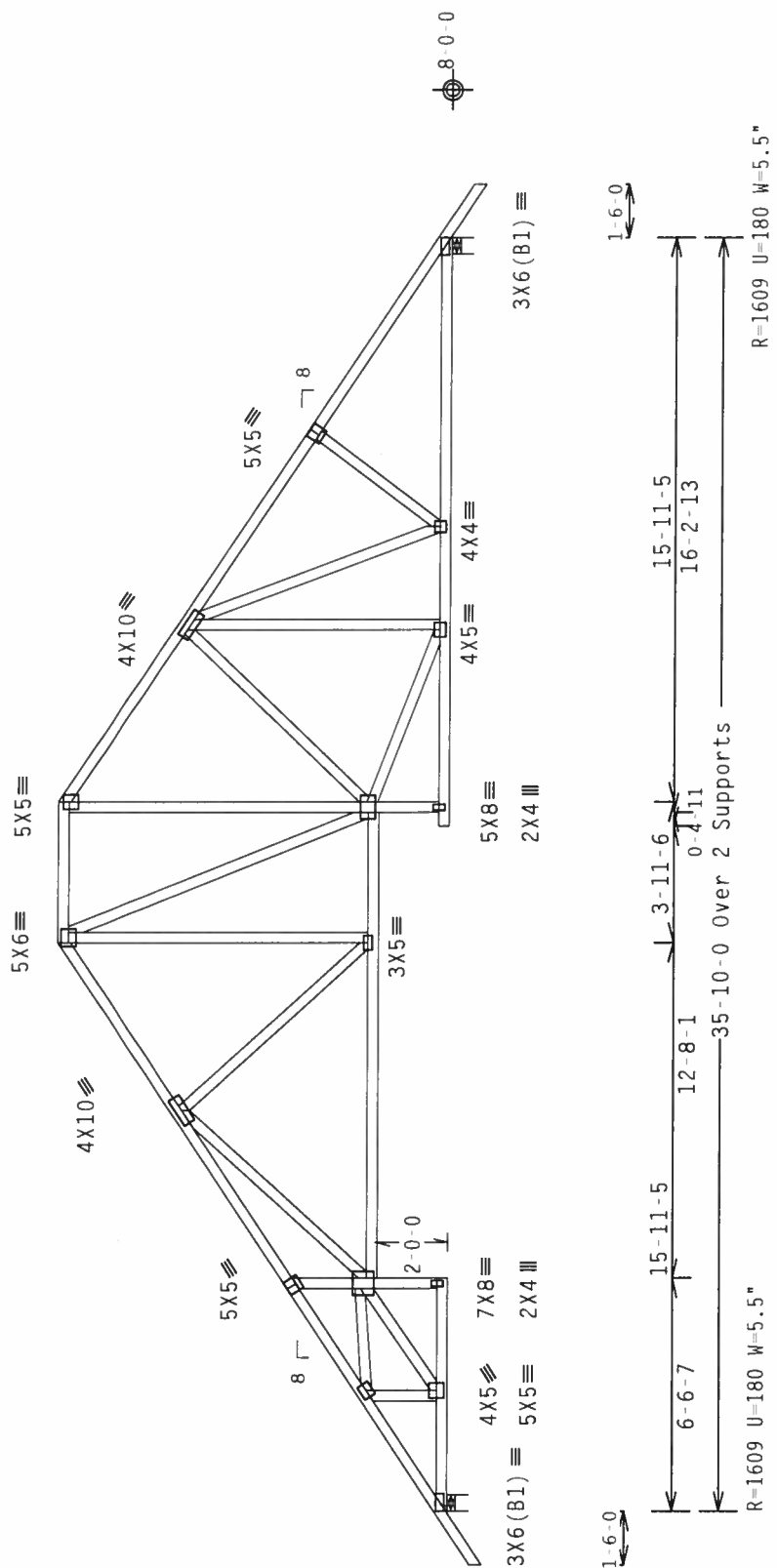
Calculated horizontal deflection is 0.13" due to live load and 0.14" due to dead load.

In lieu of structural panels use purlins to brace all flat TC @ 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 11-0-0.



Design Crit: TPI-2002(STD)/FBC

QTY: ~~3~~ EL / - / 5 / - / - / R / - Scale = .1875" / Ft.

ALPINE

Alpine Engineered Products, Inc.
1930 Markey Drive

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BG51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 583 DUNDORF DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LBL, 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 OTHERWISE ATTACHED RIGID CEILING.

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TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

REF R215-- 8322

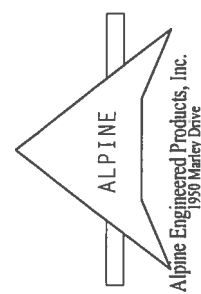
DATE 05/08/06

DRW HCUSR215 06128081

HC-ENG RK/WHK *

SEQN- 24306

FROM LRB



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

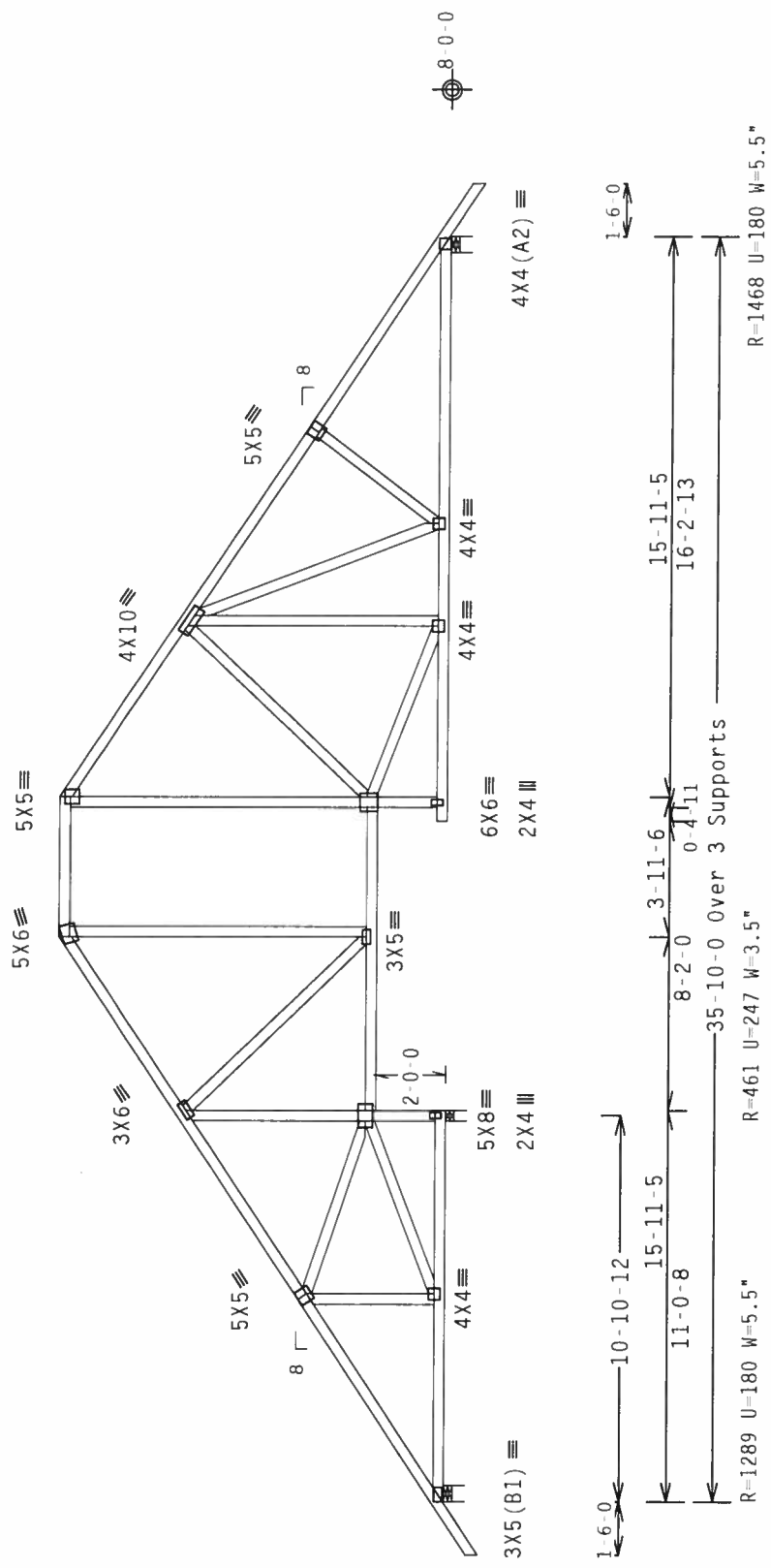
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

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/240 live and L/180 total load.

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



PLT TYP. Wave

Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230

QTY:1	FL/-5/-/-R/-	Scale = .1875"/Ft.
TC LL	20.0 PSF	REF R215-- 8323
TC DL	10.0 PSF	DATE 05/08/06
BC DL	10.0 PSF	DRW HCUSR215 06128082
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT.LD.	40.0 PSF	SEQN- 24300
DUR.FAC.	1.25	FROM LRB

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OR (1505) OR (1506) OR (1507) OR (1508) OR (1509) OR (1510) OR (1511) OR (1512) OR (1513) OR (1514) OR (1515) OR (1516) OR (1517) OR (1518) OR (1519) OR (1520) OR (1521) OR (1522) OR (1523) OR (1524) OR (1525) OR (1526) OR (1527) OR (1528) OR (1529) OR (1530) OR (1531) OR (1532) OR (1533) OR (1534) OR (1535) OR (1536) OR (1537) OR (1538) OR (1539) OR (1540) OR (1541) OR (1542) OR (1543) OR (1544) OR (1545) OR (1546) OR (1547) OR (1548) OR (1549) OR (1550) OR (1551) OR (1552) OR (1553) OR (1554) OR (1555) OR (1556) OR (1557) OR (1558) OR (1559) OR (1560) OR (1561) OR (1562) OR (1563) OR (1564) OR (1565) OR (1566) OR (1567) OR (1568) OR (1569) OR (1570) OR (1571) OR (1572) OR (1573) OR (1574) OR (1575) OR (1576) OR (1577) OR (1578) OR (1579) OR (1580) OR (1581) OR (1582) OR (1583) OR (1584) OR (1585) OR (1586) OR (1587) OR (1588) OR (1589) OR (1590) OR (1591) OR (1592) OR (1593) OR (1594) OR (1595) OR (1596) OR (1597) OR (1598) OR (1599) OR (1600) OR (1601) OR (1602) OR (1603) OR (1604) 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OR (1705) OR (1706) OR (1707) OR (1708) OR (1709) OR (1710) OR (1711

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N :B1 2x4 SP #2 Dense:
Webs 2x4 SP #2 N

WB: Web-Blocks are 2x4 of grade: WB1 = SP #2 N, WB2 = SP #2 N,
WB3 = SP #2 N; and fastened to web with W3X4 or larger plates.
See DRWG BRWEBLOCK1103 for further details.

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

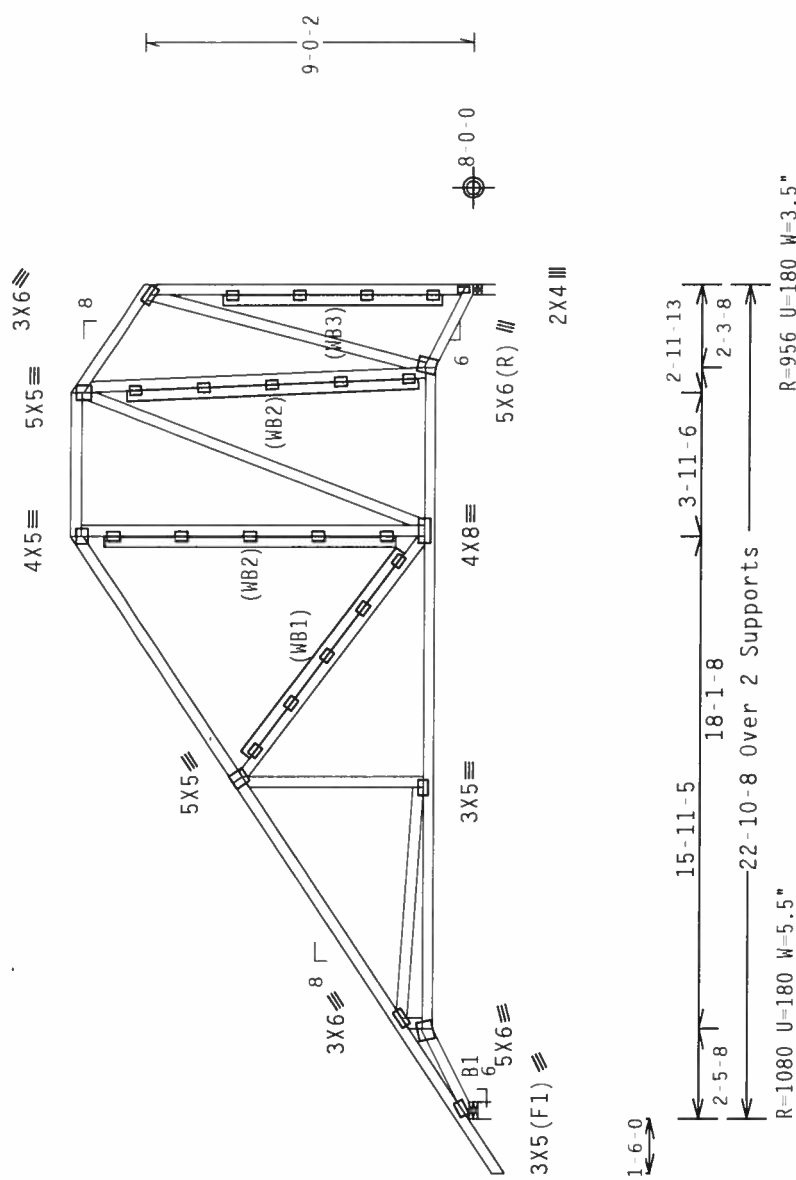
The overall height of this truss excluding overhang is 11'-0".

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.

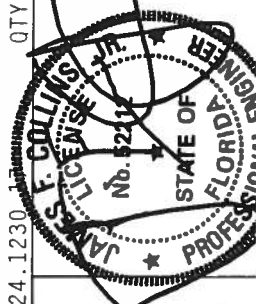
Right end vertical not exposed to wind pressure.

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.

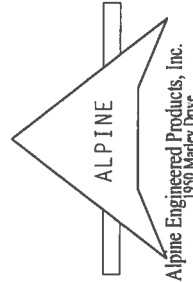


PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)	7.24.1230	QTY: 1	FL/-/5/-/-/R/-	Scale = .1875" /Ft.
				TC LL	20.0 PSF
				TC DL	10.0 PSF
				BC DL	10.0 PSF
				BC LL	0.0 PSF
				TOT.LD.	40.0 PSF
				DUR.FAC.	1.25
				FROM	LRB
				REF	R215 -- 8324
				DATE	05/08/06
				DRW	HCUSR215 06128083
				HC-ENG	RK/WHK
				SEQN	24187
				FROM	LRB



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 AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. APPLY CONNECTOR PLATES ARE MADE OF 2018/18GA (N-11/57X) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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 AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. APPLY CONNECTOR PLATES ARE MADE OF 2018/18GA (N-11/57X) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

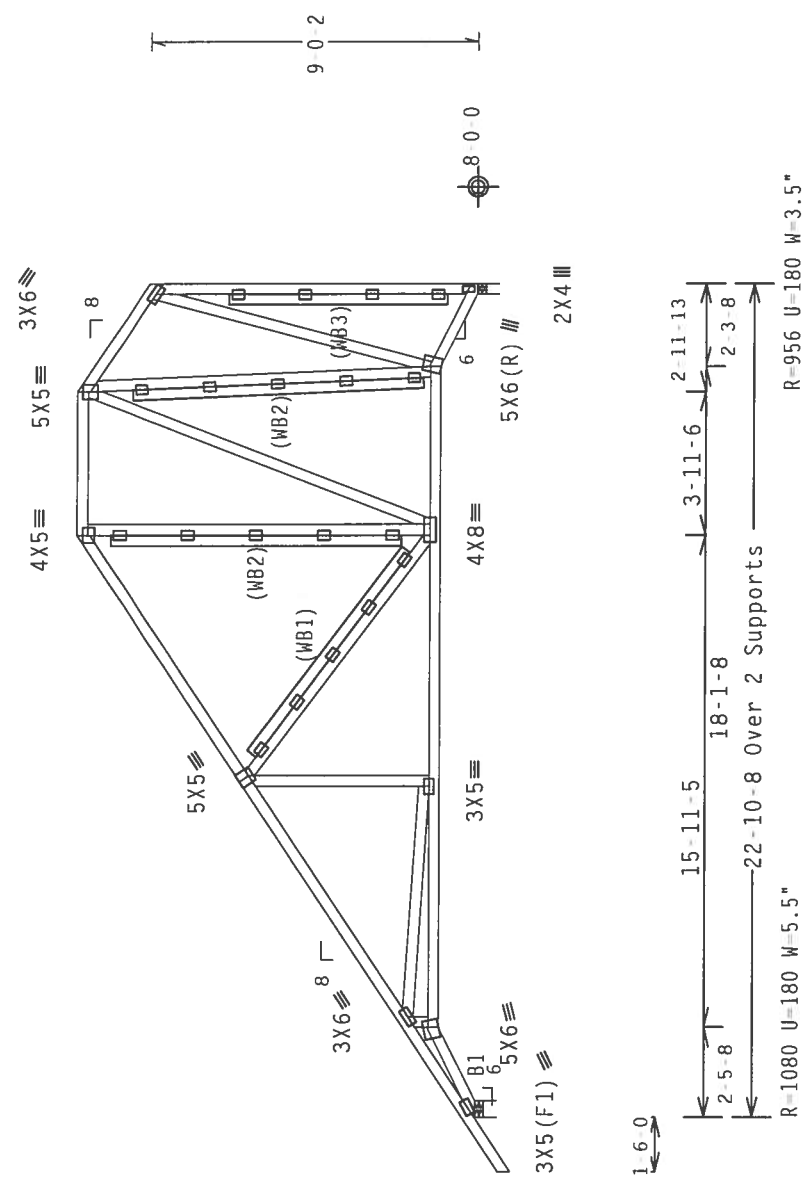


110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

WB: Web Blocks are 2x4 of grade: WB1 = SP #2 N, WB2 = SP #2 N, WB3 = SP #2 N; and fastened to web with W3X4 or larger plates.
See DRWG BRWEBBLOCX1103 for further details.

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

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



PLT TYP. Wave

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.24.1230.17 OTV:3 FL/-/5/-/-R/- Scale = .1875"/Ft.

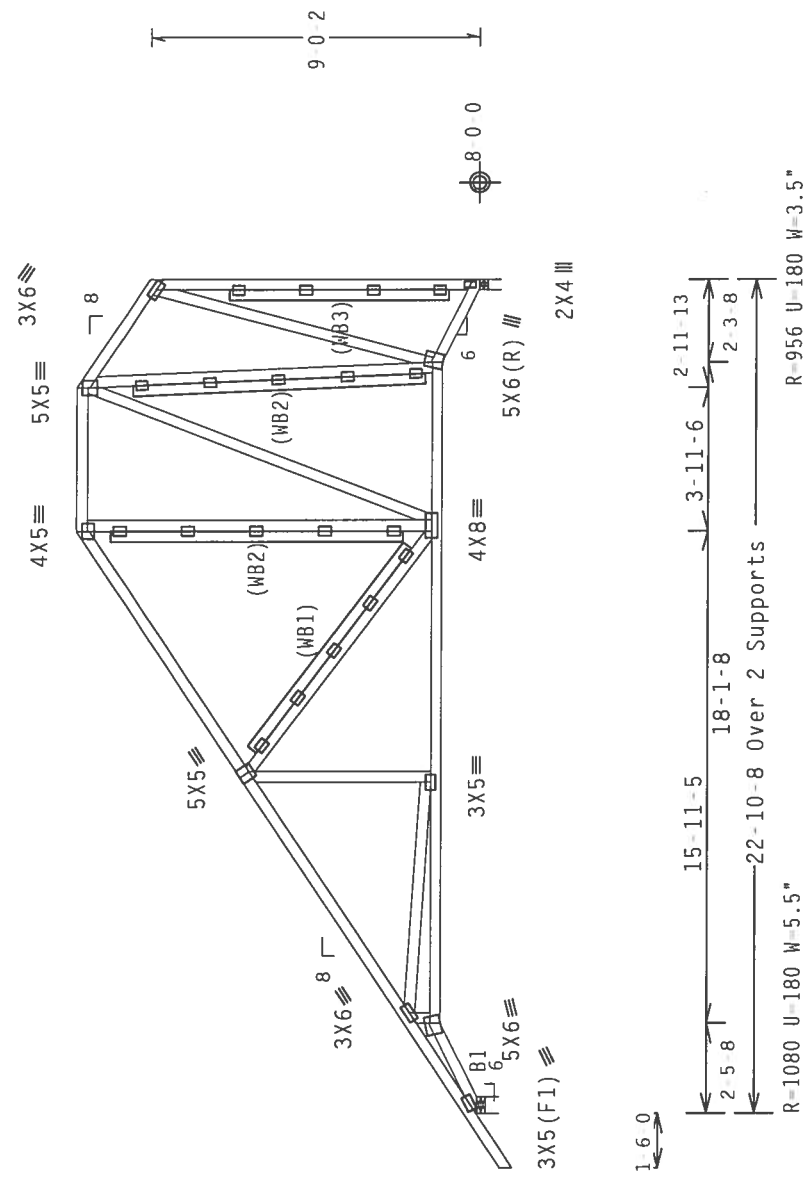
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESI 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 MADISON RD., SUITE 200, MADISON, WI 53716), AND WEA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53716) 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: ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IIDS (NATIONAL DESIGN SPEC., BY AIAAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N/H/S/X) 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 TPI1 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT	TC LL 20.0 PSF	REF R215 - - 8325	OTV:3 FL/-/5/-/-R/-	Scale = .1875"/Ft.
	TC UL 10.0 PSF	DATE 05/08/06		
	BC DL 10.0 PSF	DRW IICUSR215 06128084		
	BC LL 0.0 PSF	HC-ENG RK/WHK		
	TOT.LD. 40.0 PSF	SEQN- 24185		
	DUR.FAC. 1.25	FROM LRB		

Top chord 2x4 SP #2 N 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
Bot chord 2x4 SP #2 N :B1 2x4 SP #2 Dense: DL=5.0 psf, wind BC DL=5.0 psf.
Webs 2x4 SP #2 N

WB: Web Blocks are 2x4 of grade: WB1 - SP #2 N, WB2 - SP #2 N, WB3 - SP #2 N; and fastened to web with W3X4 or larger plates. In lieu of structural panels use purlins to brace all flat TC @ 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 11'0".



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave



ALPINE

Alpine Engineered Products, Inc.
10000 Highway 100, Suite 100, Dallas, TX 75243

QTY: 1 FL / - / 5 / - / - / R / - Scale = .1875" / Ft.

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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY THE INFORMATION), PUBLISHED BY TPI (TRUSS PAIL INSTITUTE, 503 QUORIO DR., SUITE 200, MADISON, WI 53719) AND MICA (MIDWEST 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 TRUSSES, CONNECTIONS OR BRACING IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS, OR ANY FAILURE TO FOLLOW THE DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. IN ATTEMPTING TO BUILD THE TRUSSES OR CONNECTIONS) SHALL BE THE RESPONSIBILITY OF THE USER. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY FAILURE TO FOLLOW THE DESIGN SPECIFICATIONS OR ANY FAILURE TO FOLLOW THE DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. IN ATTEMPTING TO BUILD THE TRUSSES OR CONNECTIONS) SHALL BE THE RESPONSIBILITY OF THE USER.

CONNECTOR PLATES ARE MADE OF 2018/166GA (W/JUS/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 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK 4 OF TPI1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

Q1/RT=1.00(1.20)/10(0) 7-24.1230.17 QTY: 1 FL / - / 5 / - / - / R / - Scale = .1875" / Ft.

Top chord	2x4	SP	#2 N	:T3,	T4	2x6	SP	#2 N:
Bot chord	2x6	SP	#2 N	:B3	2x6	SP	SS:	
webs	2x4	SP	#2 N					

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" _Gun_nails)

Top Chord: 1 Row @12.00" o.c.

Bot Chord: 1 Row @12.00" 0.c.

Webs : 1 Row @ 4" O.C.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt., ASCE 7-02, CLOSED bldg, 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.

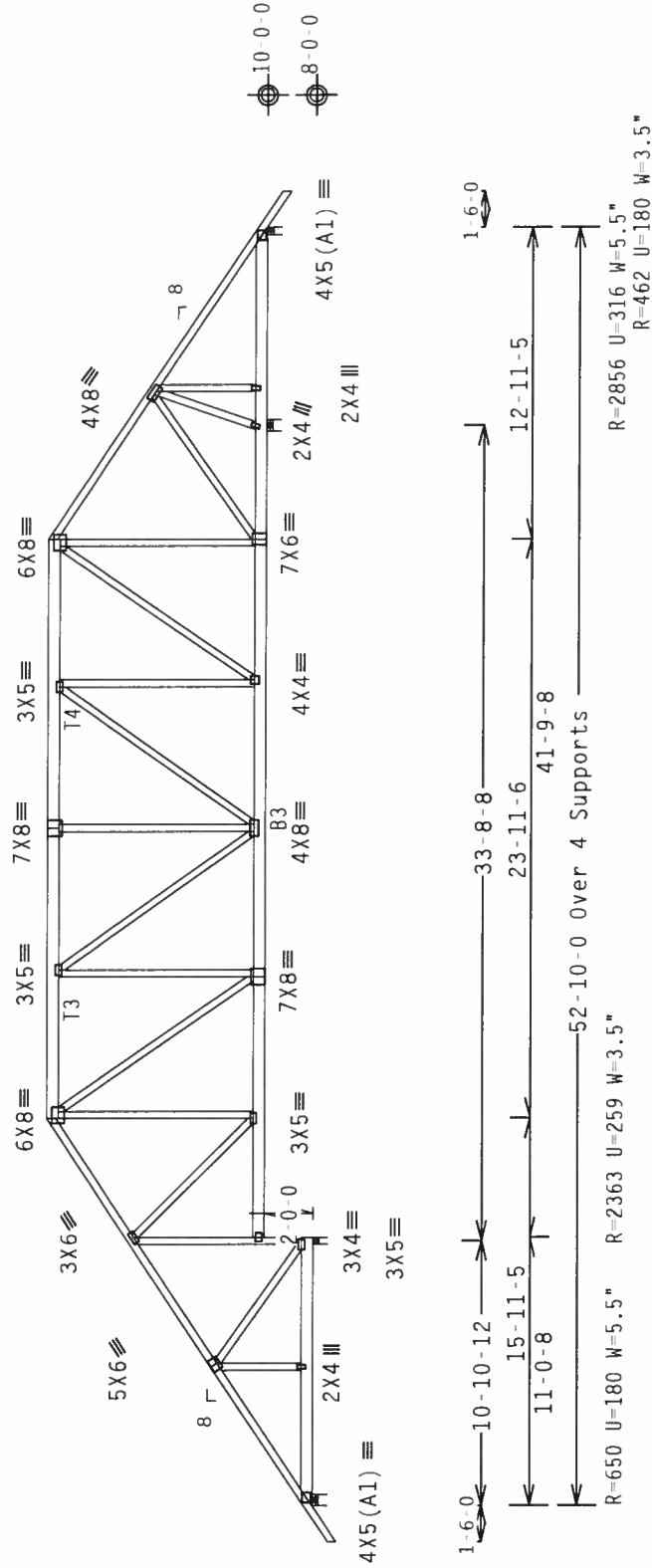
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

In lieu of structural panels use purlins to brace all flat TC @ 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 11-0-0.



Design Crit: TPI-2002(STD)/FBC

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

Scale = .125"/Ft.

FL/-/5/-/-/R/-

WARNING: TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BEST PRACTICES FOR BUILDING COMPONENT SAFETY (INFORMATION), PUBLISHED BY TPI (TRUSSING PLATE INSTITUTE, 5803 D'AMORE DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 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 CEILING.

REF R215-- 8327

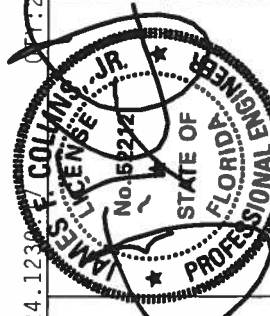
DATE 05/08/06

DRW HCUSR215 06128103

HC-ENG RK/WHK

SEON- 24334

FROM LRB



IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PROVIDENT, INC. HAS RESPONSIBILITY FOR THE DESIGN OF ANY ALPINE ENGINEERED TRUSS IN CONFORMANCE WITH THE FOLLOWING DESIGN REQUIREMENTS: ANY FLOOR TO BUILD ON THIS TRUSS SHALL BE DESIGNED TO SUPPORT A MINIMUM OF 100 PSF. ALL TRUSS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ASEA) AND TPI (TECHNICAL PUBLICATIONS, INC.) APPLICABLE TO THE DESIGN. ALL TRUSS CONNECTOR PLATES ARE MADE OF 2018/16GA H/H/S/K ASTM A653 GRADE 40/60 (H. K/H.S.) GALV STEEL 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 A.3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.

Alpine Engineered Products, Inc.
1950 Market Drive

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N :B1 2x4 SP #2 Dense:
Webs 2x4 SP #2 N

WB: Web-Blocks are 2x4 of grade: WB1 = SP #2 N, WB2 = SP #2 N,
WB3 = SP #2 N; and fastened to web with W3X4 or larger plates.
See DRWG BRWEBLOCK1103 for further details.

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

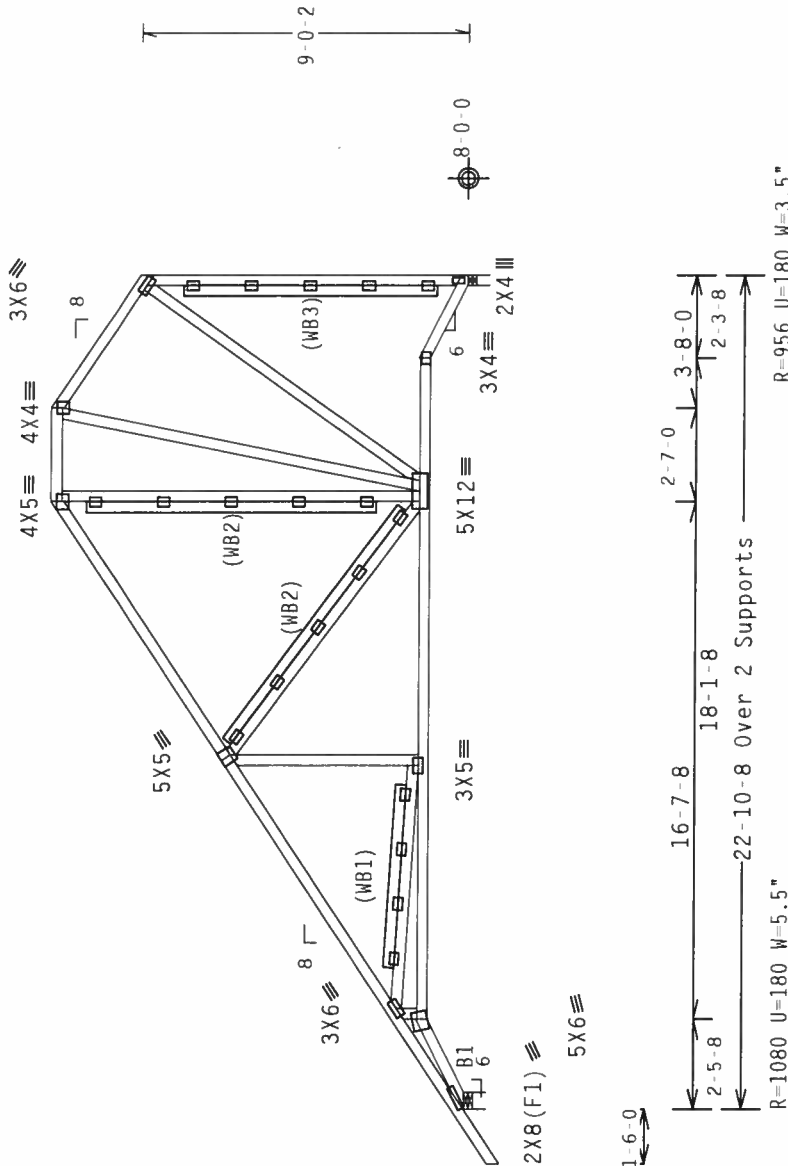
The overall height of this truss excluding overhang is 11'-5".

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.

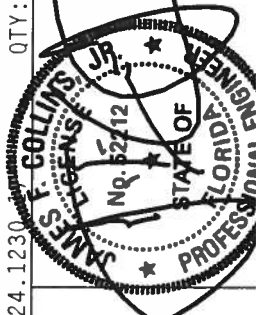
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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



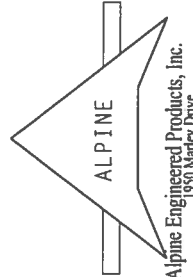
Design Crit: TPI-2002 (STD) / FBC

PLT TYP. Wave	QTY: 1	FL / - / 5 / - / - / R / -	Scale = .1875" / Ft.
	IC LL	20.0 PSF	REF R215 - - 8328
	TC DL	10.0 PSF	DATE 05/08/06
	BC DL	10.0 PSF	DRW HCUSR215 06128086
	BC LL	0.0 PSF	HC-ENG RK/WHK
	TOT.LD.	40.0 PSF	SEQN - 24189
	DUR.FAC.	1.25	FROM IRR

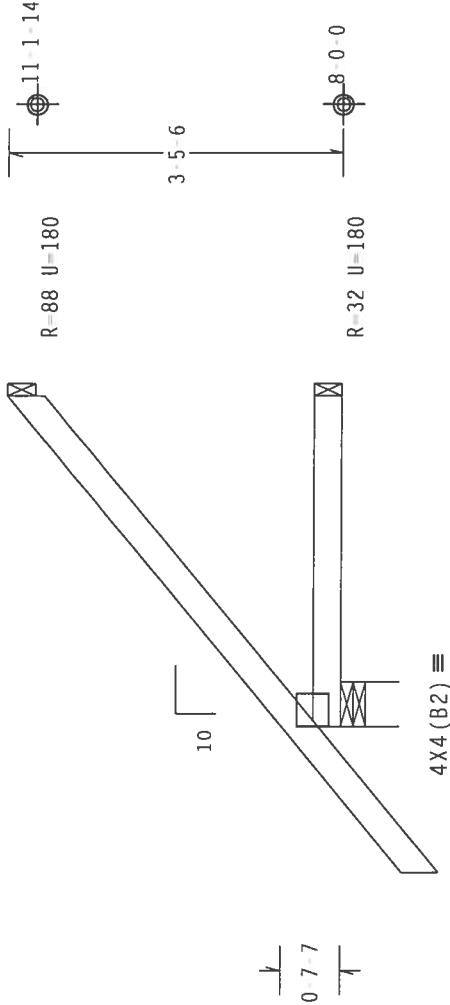


****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 593 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY 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 ASEA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/10GA (M/1/5/2K) ASH 4053 GRADE 40/60 (M. KIN-S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES, TRUSSES, OR TRUSS COMPONENTS TO THE TPI 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT.



Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 3 5 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.
Plates sized for a minimum of 3.00 sq.in./piece.



1-6-0
3 4 11 Over 3 Supports
R-279 U=180 W=5.5"

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

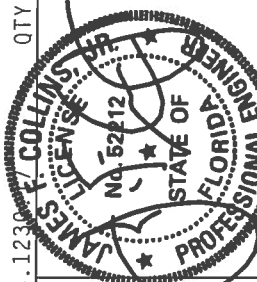
PLT TYP. Wave

QTY: 1

FL/-/5/-/-/R/-

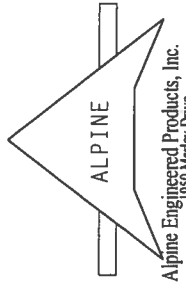
Scale = 5" / Ft.

TC LL	20.0 PSF	REF	R215 -- 8330
TC DL	10.0 PSF	DATE	05/08/06
BC DL	10.0 PSF	DRW	HCUSR215 06128088
BC LL	0.0 PSF	HC-ENG	RK/WHK *
TOT.LD.	40.0 PSF	SECN	24200
DUR.FAC.	1.25	FROM	IRR

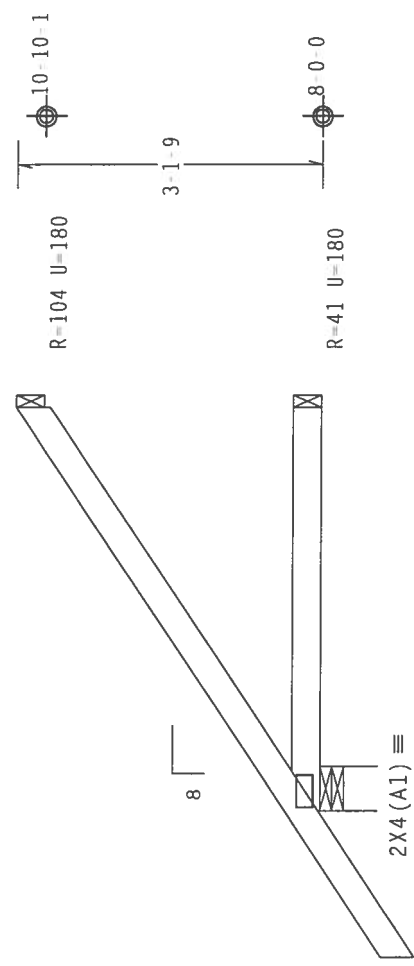


****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE INTERNATIONAL ASSOCIATION OF BRIDGE ENGINEERS, 1000 N. MADISON, MI 48219, AND AISC (STEEL CONSTRUCTION OF AMERICA) 6300 CRITERIA. 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 IBCS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/16GA (N/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. SECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN AISC OF 1911 2002 SECC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 3'-1-9".
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.



←-1-6-0-→

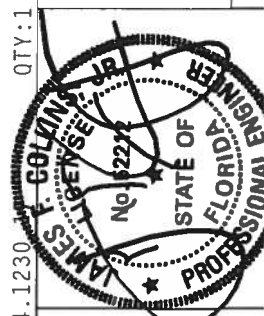
←-4-1-10 Over 3 Supports →

R-307 U=180 W-5.5"

Design Crit: TPI-2002(STD)/FBC

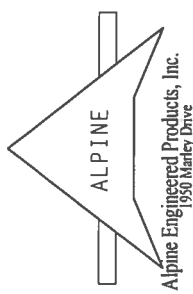
QTY: 1 FL/-5/-/-R/- Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R215-- 8331
TC DL	10.0 PSF	DATE	05/08/06
BC DL	10.0 PSF	DRW	HCUSR215 06128089
BC LL	0.0 PSF	HC-ENG	RK/WHK *
TOT.LD.	40.0 PSF	SEQN-	24179
DUR.FAC.	1.25	FROM	LRB

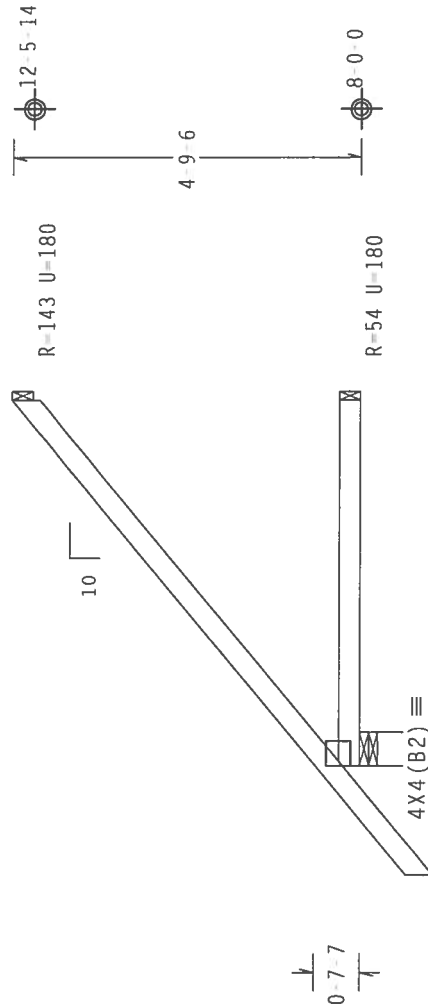


****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC61 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONDRIOT DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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 DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGNER'S DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE 2018/180A (R-01/05) AS/NZS 4600:2005. ALL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1600-2. 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.

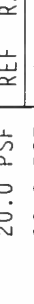


The overall height of this truss excluding overhang is 4-9-6.



4-11-14 Over 3 Supports >

Scale = .375"/Ft.



Alpine Engineered Products, Inc.

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS 1.03 (BULLDOING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 5603 D'ONDRIO DR., SUITE 200, MADISON, WI 53719), AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES TO CONFORM WITH THIS DESIGN, OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING THE TRUSSES, OR CONSTRUCTION WITH THE PROHIBITED MATERIALS (SUCH AS ALUMINUM OR STEEL), OR THE ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (A-105/M-15) ASTM A653 GRADE 40/65/16 GA. IN ALL TRUSSES, 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 TPI1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

STATE OF FLORIDA

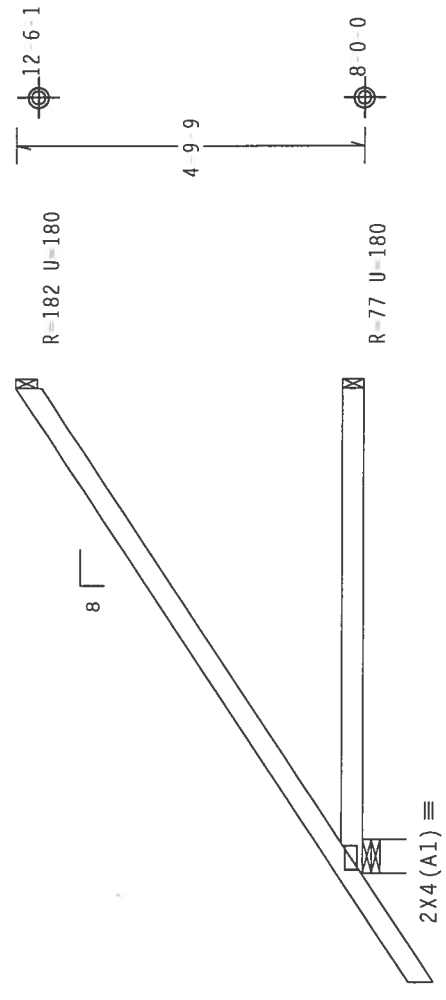
PROFESSIONAL ENGINEER

J. COLLINS JR.

No. 82212

REF	R215 --	8332
DATE	05/08/06	
DRW	HCUSR215	06128090
HC-ENG	RK/WHK	*
SEQN-	13020	
TOT.LD.	40.0	PSF
BC LL	0.0	PSF
BC DL	10.0	PSF
TC DL	10.0	PSF
TC LL	20.0	PSF
DUR.FAC.	1.25	
FROM	IRB	

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 4-9-9.
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.



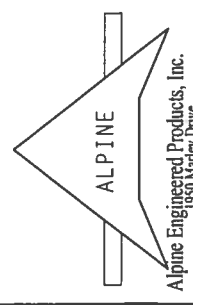
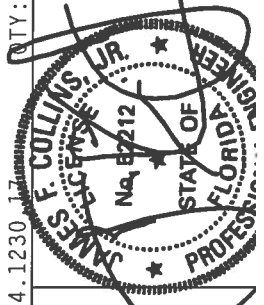
6-7-10 Over 3 Supports
R-403 U-180 W-5.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave	QTY:1	FL/-/5/-/R/-	Scale = .375" /Ft.
	TC LL	20.0 PSF	REF R215 - 8333
	TC DL	10.0 PSF	DATE 05/08/06
	BC DL	10.0 PSF	DRW HCUSR215 06128091
	BC LL	0.0 PSF	HC-ENG RK/WHK *
	TOT.LD.	40.0 PSF	SEQN - 24181
	DUR.FAC.	1.25	FROM LRB

****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 & BRACING, 10000 DORSET DR., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. APPLICABLE CONNECTION PLATES ARE MADE OF 2018/10GA (M.H./S/A) 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 TGD.2. TRUSS CONNECTION PLATES SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 13TH EDITION, 2002. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



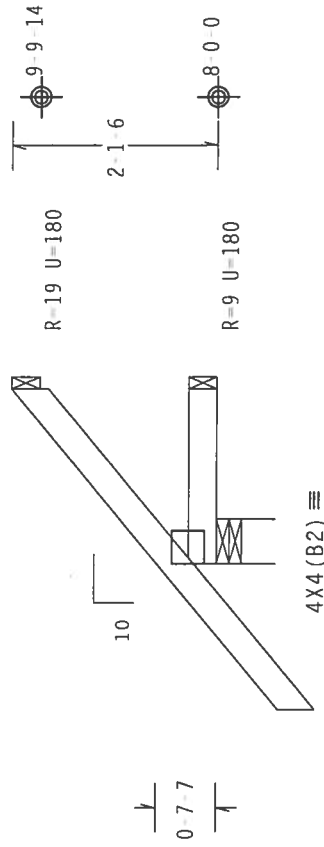
Top chord	2x4	SP	#2	N
Bot chord	2x4	SP	#2	N

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/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 2-1-6.



1-6-0 →
198 Over 3 Supports
R=233 U=180 W=5.5"

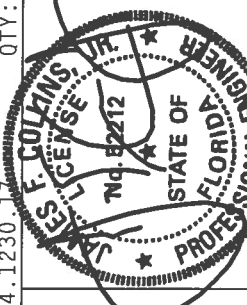
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

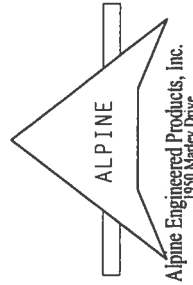
QTY:1

Scale = .5"/Ft.

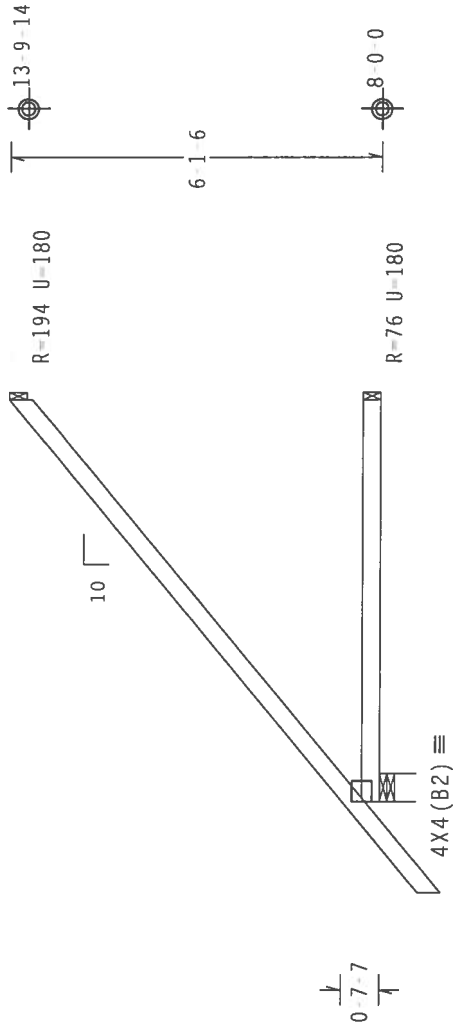
TC LL	20.0	PSF	REF	R215 - 8334
TC DL	10.0	PSF	DATE	05/08/06
BC DL	10.0	PSF	DRW	HCSR215 06128092
BC LL	0.0	PSF	HC - ENG	RK / WHK *
TOT. LD.	40.0	PSF	SEON	24198
DUR. FAC.	1.25		FROM	LRB



****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALTHOUGH ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY CONSEQUENCES FROM ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THIS DESIGN, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BUILD THE TRUSS IN CONFORMANCE WITH ALL CODES OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND ERECTING DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFAPA) AND TP1. CONNECTOR PLATES ARE MADE OF 20X10/16GA H/H-SPL ASTM A563 GRADE 40/50 (H/V-H/S). GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEC AS OF TP1 2002 SEC. 3. A SEAL ON THIS DRAFTING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 6'1-6".
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.



L 6 0 J

←6-7-1 Over 3 Supports →
R-404 U-180 W-5.5"

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

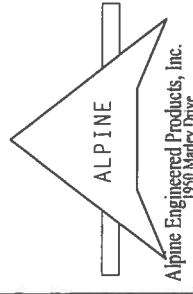
QTY:1 FL/-/5/-/-/R/- Scale =.3125"/Ft.

TC LL	20.0 PSF	REF	R215--	8335
TC DL	10.0 PSF	DATE	05/08/06	
BC DL	10.0 PSF	DRW	HCUSR215	06128093
BC LL	0.0 PSF	HC-ENG	RK/WHK	*
TOT.LD.	40.0 PSF	SEQN-	24175	
DUR.FAC.	1.25	FROM	LRB	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCES 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 MADISON, MI 48131) OR, SUITE 200, MADISON, MI 48131) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6000 ENTERPRISE LN, MADISON, MI 48131) 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**** *URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ALPINE CONNECTIONS ARE MADE OF 2019/16GA (44/575) ASTM A653 GRADE 40/60 (40 KSI) GALV. STEEL. APPLY TO ALL CONNECTIONS. THE TRUSS SHALL BE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS TRIM 2. ANY INSPECTION OF PLATES FOLLOWED BY ALL SHALL BE FOLLOWED BY ALL. THE ENGINEERING RESPONSIBILITY FOR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



PLT TYP. Wave

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

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.

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

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

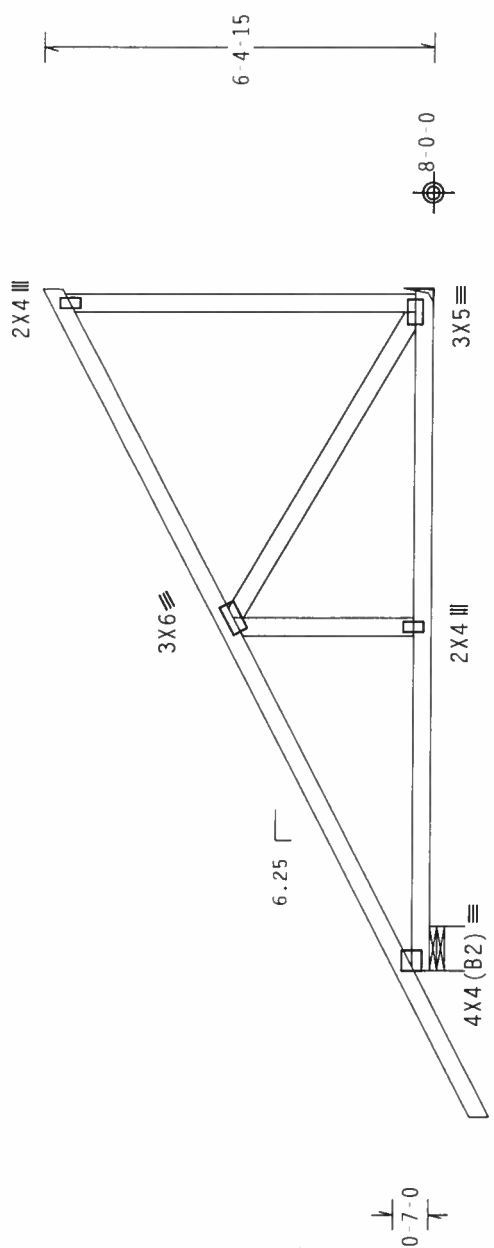
Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 6'-4"-15".

SPECIAL LOADS

- TC - From 63 PLF at -2.40 to 63 PLF at 11.21
- BC - From 5 PLF at -2.40 to 5 PLF at 0.00
- BC - From 20 PLF at 0.00 to 20 PLF at 11.21
- TC - 19 LB Conc. Load at 2.94
- TC - 104 LB Conc. Load at 4.87
- TC - 88 LB Conc. Load at 5.51
- TC - 182 LB Conc. Load at 8.07
- TC - 194 LB Conc. Load at 10.63
- BC - 9 LB Conc. Load at 2.94
- BC - 41 LB Conc. Load at 4.87
- BC - 32 LB Conc. Load at 5.51
- BC - 77 LB Conc. Load at 8.07, 10.63

Right end vertical not exposed to wind pressure.



2-4-13

11-2-7 Over 2 Supports

R=886 U=181 W=8.804"

R=1020 U=187 (J)

Design Crit: TPI-2002 (STD) /FBC

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

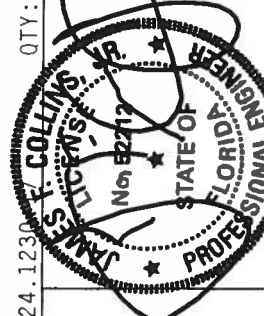
QTY:1 FL/-/5/-/R/-

Scale = .3125"/Ft.

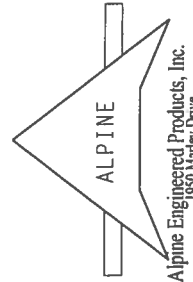
PLT TYP. Wave

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1.03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE INTERNATIONAL ASSOCIATION OF BRIDGE ENGINEERS, INC. (IABSE), 1000 NORTH 10TH AVENUE, SUITE 200, DENVER, CO 80202, 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. CONNECTOR PLATES ARE MADE OF 2018/16GA (W.H/5/16) ASTM A653 GRADE 40/60 (W. K/H/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 10GA 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



TC LL	20.0 PSF	REF	R215 - -	8336
TC DL	10.0 PSF	DATE	05/08/06	
BC DL	10.0 PSF	DRW	HCUSR215	06128099
BC LL	0.0 PSF	HC-ENG	RK/WHK	
TOT.LD.	40.0 PSF	SEQN-	24345	
DUR.FAC.	1.25	FROM	IRR	



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

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

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.

Right end vertical not exposed to wind pressure.

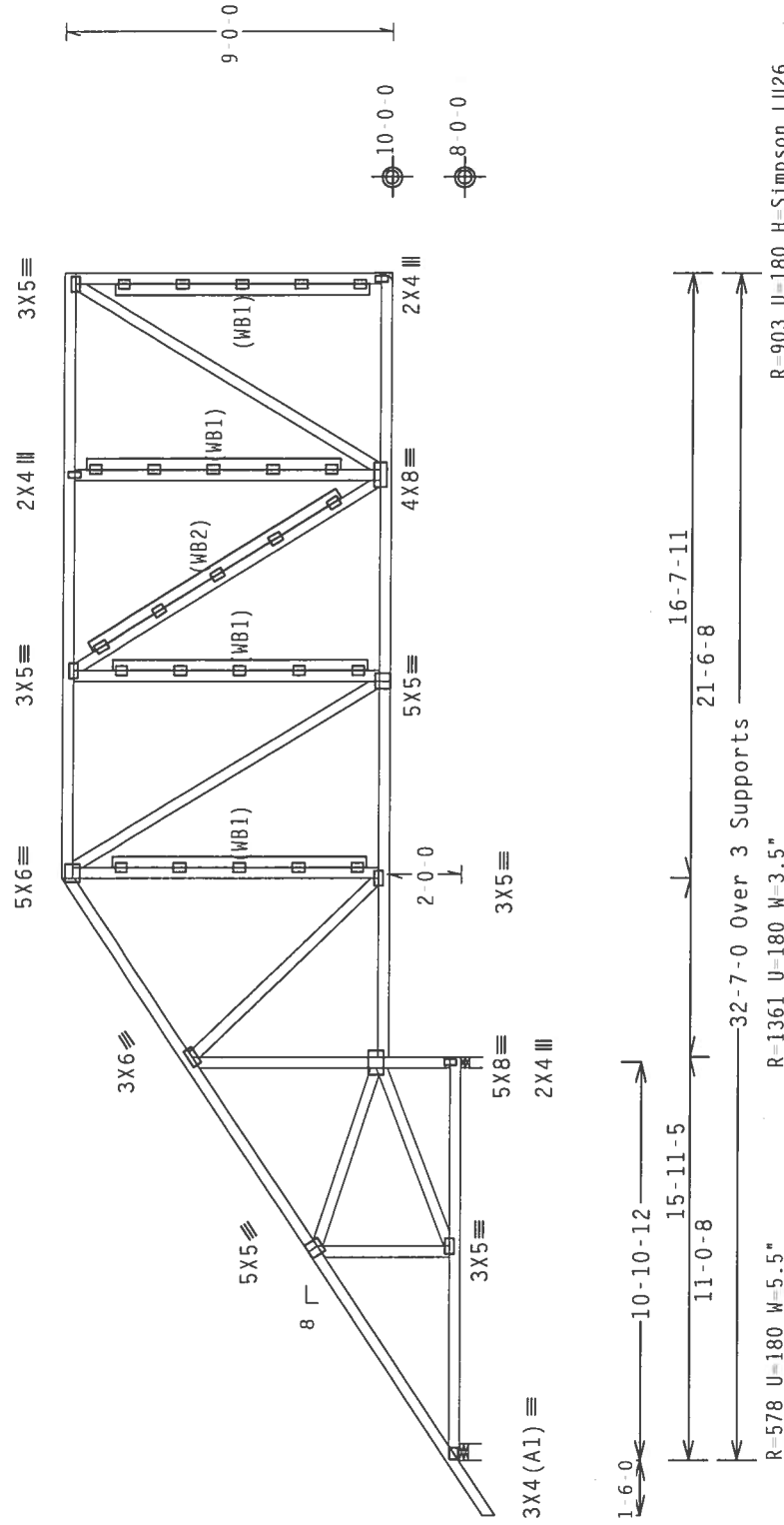
WB: Web-Blocks are 2x4 of grade: WB1 = SP #2 N, WB2 = SP #2 N; and fastened to web with W3X4 or larger plates. See DRWG BRWEBBLOCK1103 for further details.

In lieu of structural panels use purlins to brace all flat TC @ 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'-0"-0".



R-903 U-180 H-Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 16d, 0.162"x2.5" nails in Girder
Girder is (2)2X6 min. So.Pine

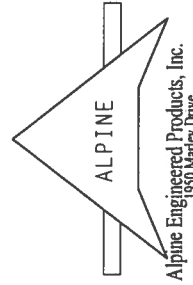
Design Crit: TPI-2002(STD)/FBC

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

QTY: 3 ~~FL~~ / - / 5 / - / - / R / -
Scale = .1875" / Ft.

PLT TYP. Wave

TC LL	20.0	PSF	REF	R215--	8337
TC DL	10.0	PSF	DATE	05/08/06	
BC DL	10.0	PSF	DRW	HCUSR215	06128094
BC LL	0.0	PSF	HC-ENG	RK/WHK	
TOT.LD.	40.0	PSF	SEQN-	24319	
DUR.FAC.	1.25		FROM	LRB	



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

110 mph wind, 22.99 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.

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

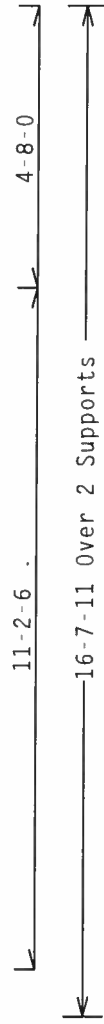
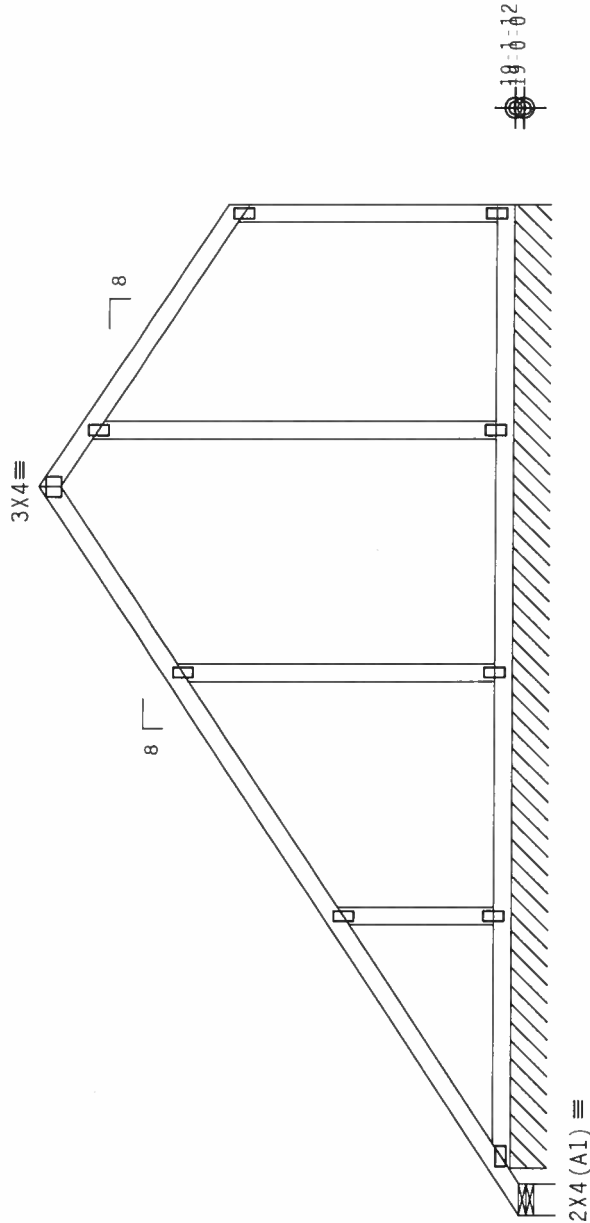
Right end vertical not exposed to wind pressure.

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 7-11-13.

REFER TO PIGBACKA0699 OR PIGBACKB0699 FOR PIGBACK DETAILS.



R=-55 U=180 W=6.31"

R=74 PLF U=34 PLF W=15 10-6

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

7.24.1230

QTY: 3

FL/-/5/-/-/R/-

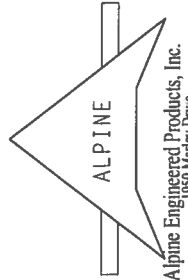
Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R215--	8338
TC DL	10.0 PSF	DATE	05/08/06	
BC DL	2.0 PSF	DRW	HCUSR215	06128095
BC LL	0.0 PSF	HC-ENG	RK/WHK	
TOT.LD.	32.0 PSF	SEQN-	24208	
DUR.FAC.	1.25	FROM	IRR	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1 03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 530 NORTH ZEEB ROAD, SUITE 200, MADISON, WI 53719, AND AISC (AISC) TRUSS COUNCIL OF AMERICA, 6300 CATERPILLAR BLVD., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

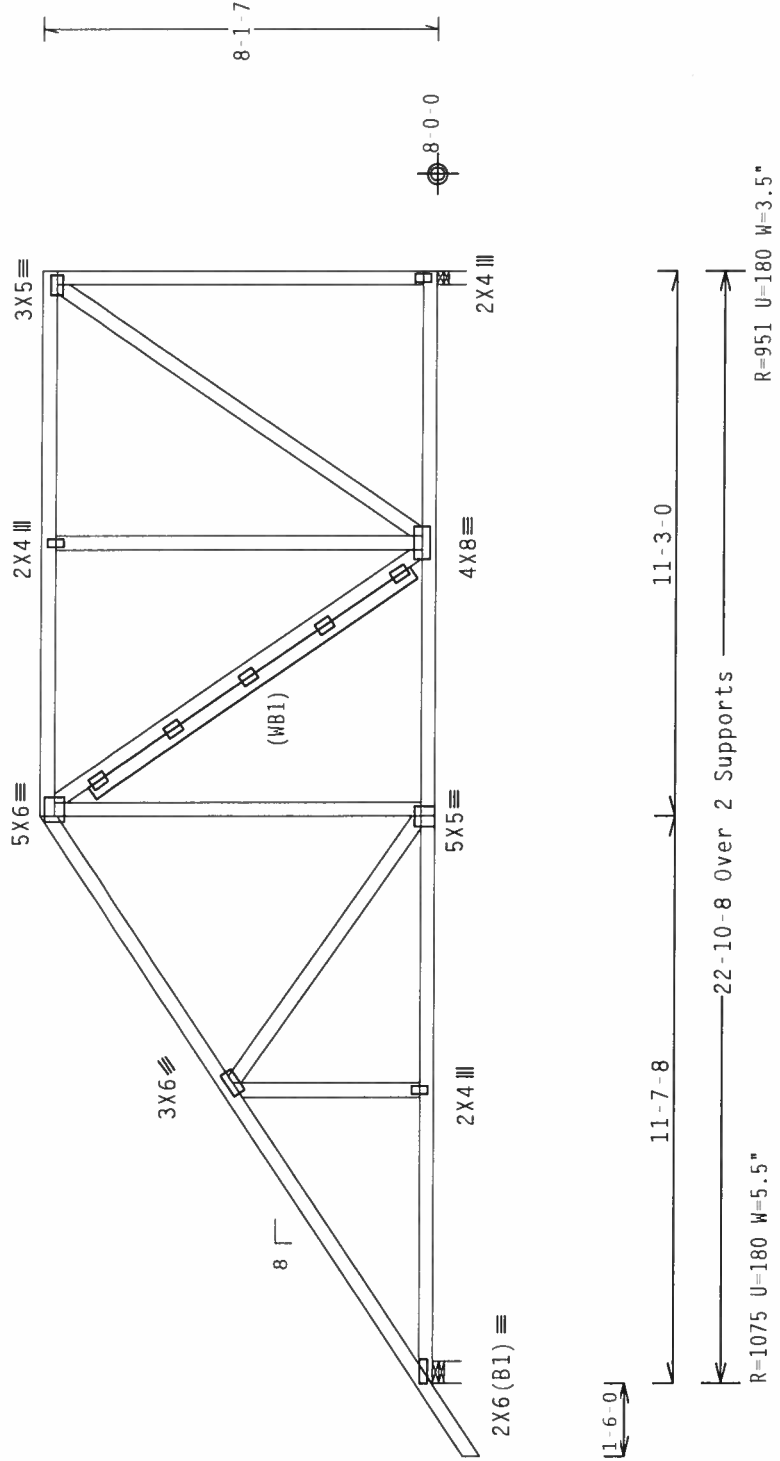
****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (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 16GA 2. CONNECTIONS OF PLATES FOLLOWED BY (1) SHALL BE PER AISC 308 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



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

WB: Web-Blocks are 2x4 of grade: WB1 = SP #2 N, and fastened to web with W3X4 or larger plates. See DRWG BRWEBLOCK1103 for further details.

Deflection meets L/240 live and L/180 total load.
The overall height of this truss excluding overhang is 8-1-7.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230

Scale = .25" / Ft.

TC LL	20.0 PSF	REF R215--	8339
TC DL	10.0 PSF	DATE	05/08/06
BC DL	10.0 PSF	DRW HCUSR215	06128096
BC LL	0.0 PSF	HC-ENG RK/WHK	*
TOT.LD.	40.0 PSF	SEQN-	24193
DUR.FAC.	1.25	FROM	LRB

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI CRUISS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. APPLY PLATES TO EACH FACE OF TRUSS. 20/10/10GA (48/5/5/4) ASTM A653 GRADE 40/60 (48/5/5) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERMANENT. (2) OF TPI 2002. POSITION PER DRAWINGS 100A, 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

ALPINE
Alpine Engineered Products, Inc.
1950 Marler Drive

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

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.

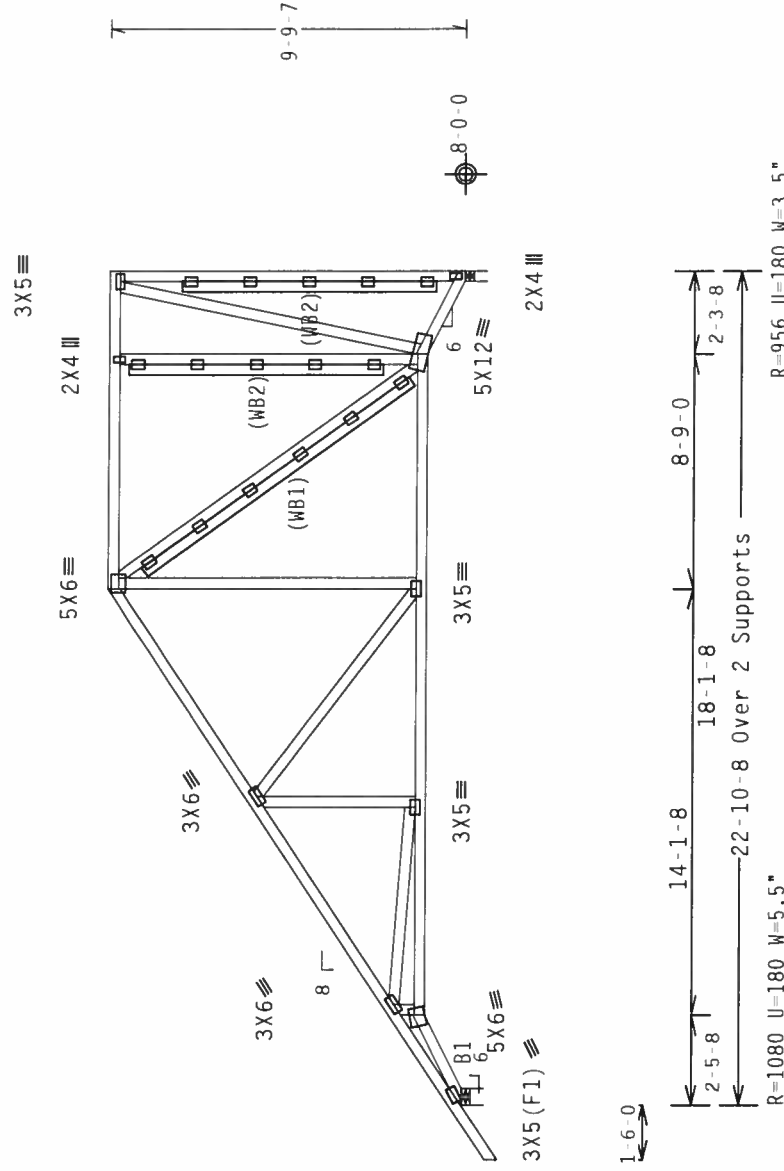
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

WB: Web-Blocks are 2x4 of grade: WB1 = SP #2 N, WB2 = SP #2 N; and fastened to web with W3X4 or larger plates. See DRWG BRWEBBLOCK1103 for further details.

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

The overall height of this truss excluding overhang is 9-9-7.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

QTY: 1 FL / - / 5 / - / - / R / -

Scale = .1875"/Ft.

****WARNING**** RUSSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, UNLOADING AND BRACING. REFER TO BC51 03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSSING PLATE INSTITUTE, 563 S. OBERLOER DR., SUITE 200, MADISON, WI 53719, AND NETA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE BLVD., 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 TOP CHORD SHELLING.

****WARNING**** RUSSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, UNLOADING AND BRACING. REFER TO BC51 03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSSING PLATE INSTITUTE, 583 S. OBERLIN DR., SUITE 200, MADISON, WI 53719, AND NETA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., 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 TOP CHORD SHELLING.

*** IMPORTANT *** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE PRODUCTS, THEY SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTIONS BETWEEN ALL PLATES SHALL BE MADE BY FULL PENETRATION BUTT WELDS IN ACCORDANCE WITH ALPHE ENGINEERED CONNECTIONS SPECIFICATIONS AND PERMITTING AGENCY REQUIREMENTS. ALL WELDS SHALL BE MADE BY QUALIFIED WELDERS.

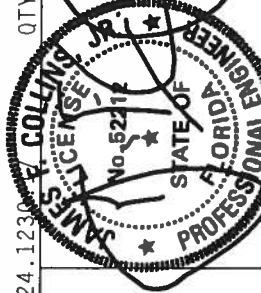
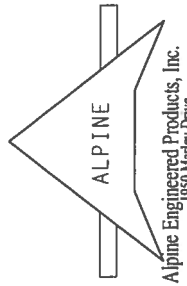
ALL PLATES SHALL BE MADE OF A709 F50 STEEL

CONNECTOR PLATES ARE MADE OF 2018/16GA .14 US/KS ASTM A653 GRADE 40/50 IN K/WAY

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 ANEX A.3 OF IPII 2002 SEC.3.

A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING SUPERVISORY SURETY FOR THE TRUSS COMPONENT



Top chord 2x4 SP #2 N : T2 2x6 SP SS:

Top	Chord	2x4	SP	#2 N
Bot	chord	2x6	SP	#2 N
	webs	2x4	SP	#2 N

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.

WB: Web Blocks are 2x4 of grade: WB1 = SP #2 N, and fastened to web with W3x4 or larger plates. See DRWG BRWEBBLOCK1103 for further details.

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

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

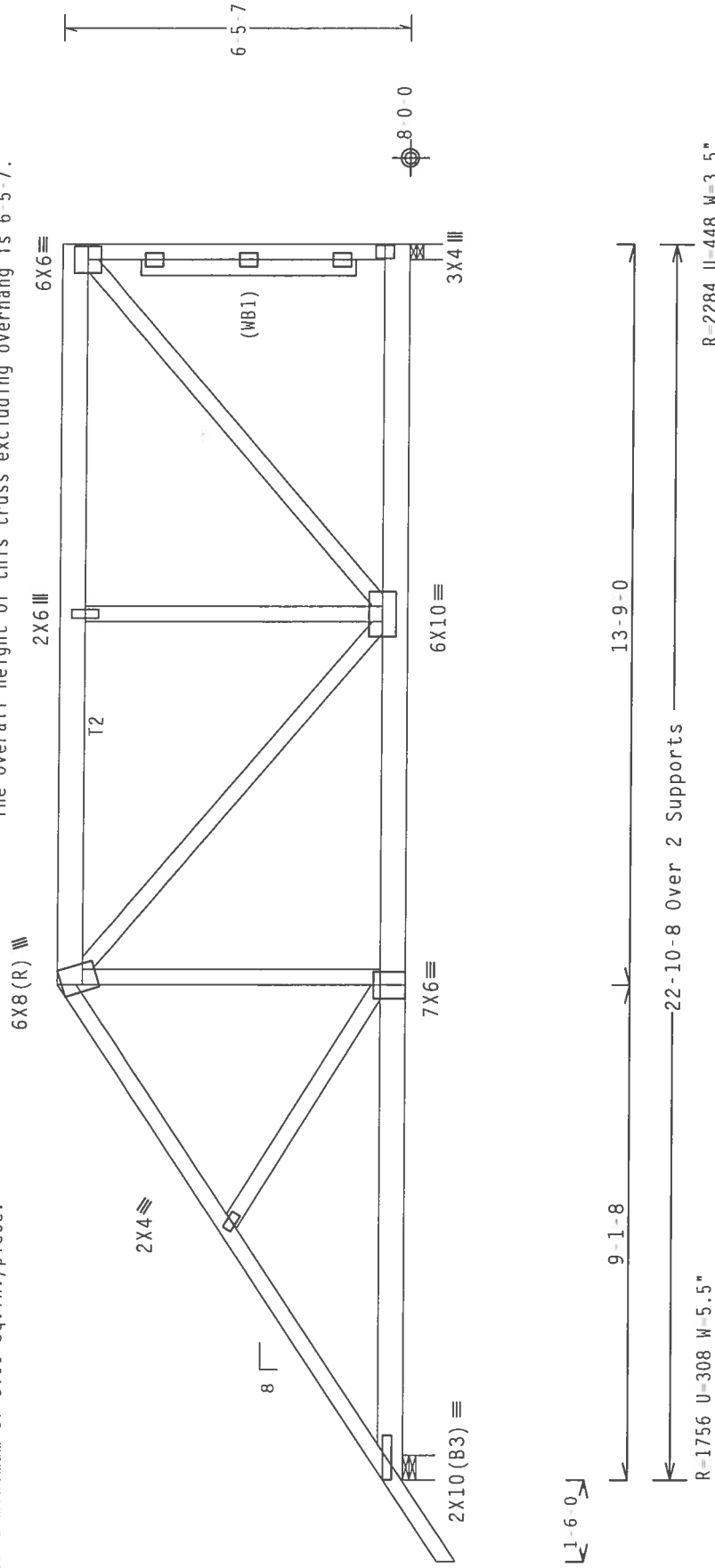
SPECIAL LOADS

	(LUMBER DUR.FAC. 1.25 / PLATE DUR.FAC. 1.25)
TC - From 64 PLF at 1.50 to 64 PLF at 22.88	
BC - From 5 PLF at 1.50 to 5 PLF at 0.00	
BC - From 20 PLF at 0.00 to 20 PLF at 22.88	
TC - 207 LB Conc. Load at 9.19, 11.19, 13.19, 15.19, 17.19	
19.19, 21.19	
BC - 81 LB Conc. Load at 9.19, 11.19, 13.19, 15.19, 17.19	
19.19, 21.19	

Right end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 6'-5-7".



PLT TYP. Wave

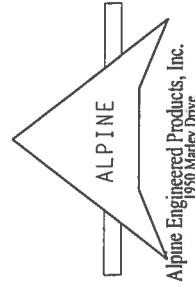
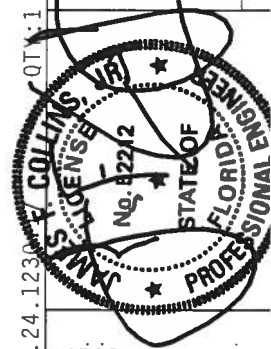
Design Crit: TPI-2002(STD)/FBC

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

1230 ~~FL/~~ ~~COLL:~~ QTY:1 FL/-/5/-/-/R/-

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF R215 - 8341
TC DL	10.0 PSF	DATE 05/08/06
BC DL	10.0 PSF	DRW HCUSR215 06128100
BC LL	0.0 PSF	HC-ENG RK/WHK
TOT. LD.	40.0 PSF	SEQN - 24340
DUR. FAC.	1.25	FROM IRB



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

Calculated horizontal deflection is 0.12" due to live load and 0.13" due to dead load.

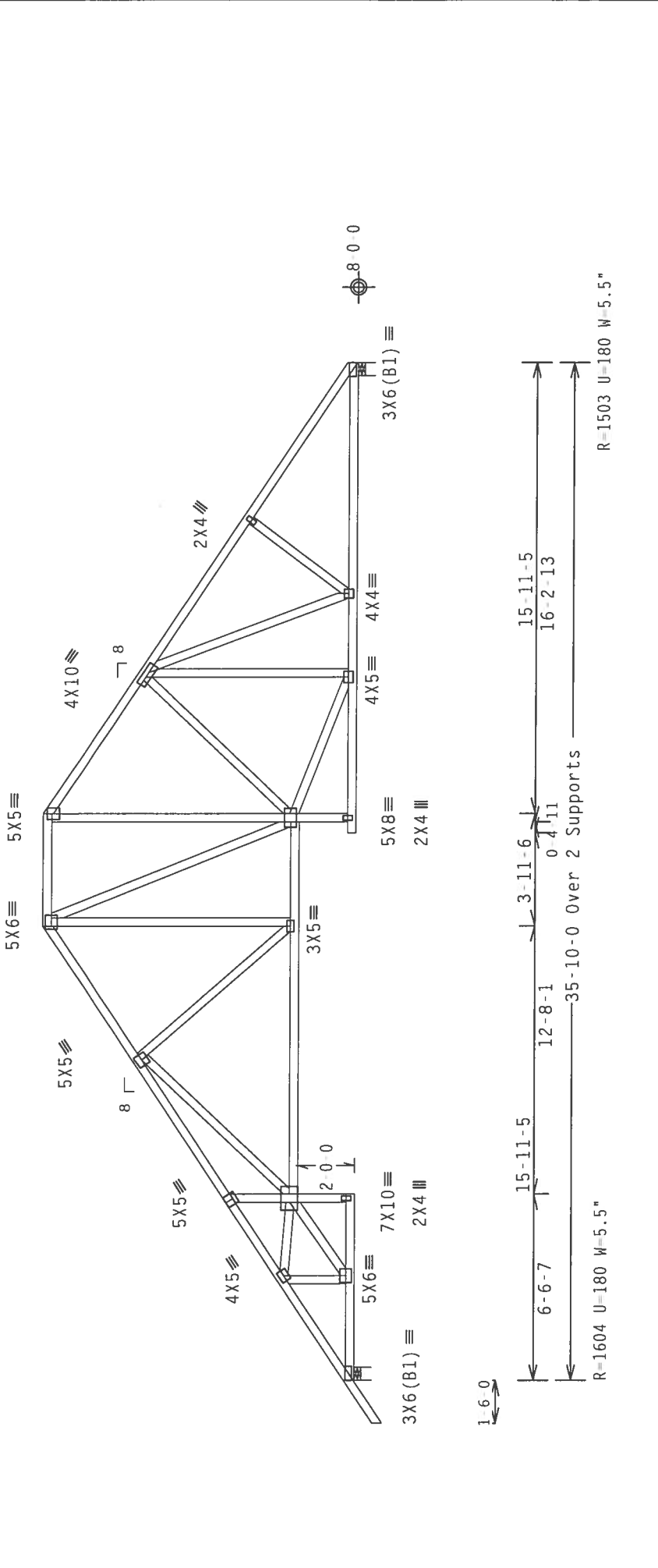
Deflection meets L/240 live and L/180 total load.

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

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.

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.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230 12

Scale = .1875" / Ft.

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

REF R215 -- 8342
DATE 05/08/06
DRW HCUSR215 06128098
HC-ENG RK/WHK
SEQN - 24312
FROM IRR

ALPINE
Alpine Engineered Products, Inc.

ENGINEER
STATE OF FLORIDA
PROFESSIONAL
JAMES E. GOLANSKY, JR.
No. 61212

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS COUNCIL OF AMERICA, 6000 ENTERPRISE BLVD., 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 IBCS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2019/16GA (N-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 DRAWINGS 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

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

GABLE TRUSS DETAIL NOTES:

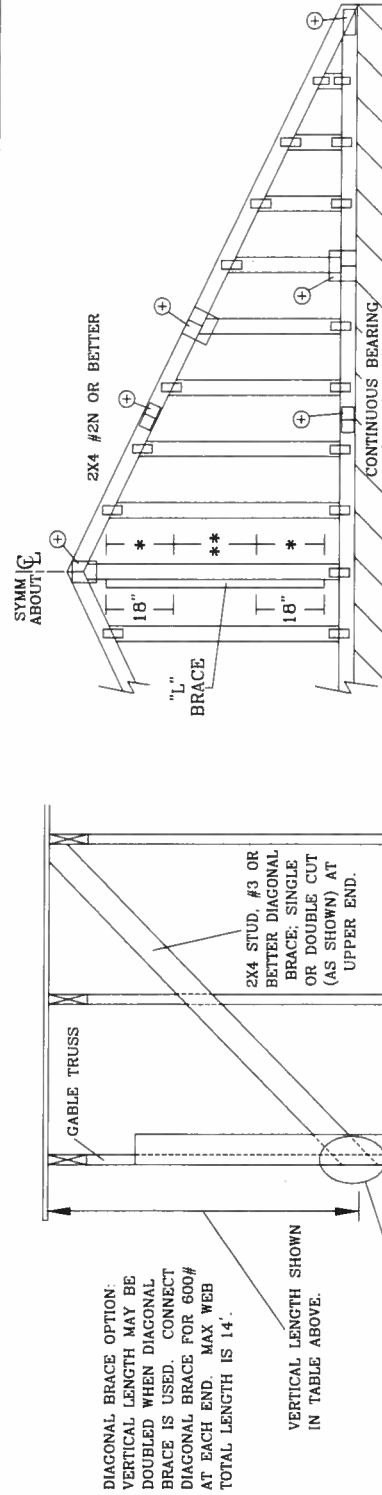
LIVE LOAD DEFLECTION CRITERIA IS L/240.
PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER
CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

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.

CABLE 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

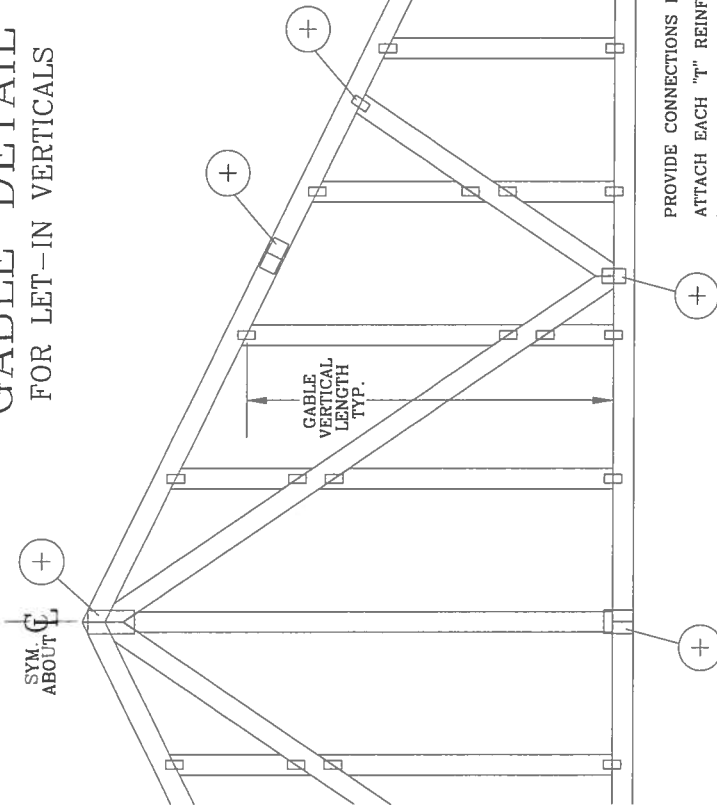
+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

	
ALPINE ENGINEERED PRODUCTS, INC. POMPAHO BEACH, FLORIDA	
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RECI I-03 (BUILDING COMPONENT SAFETY INFORMATION) FOR THE LATEST CHANGES. PLATE INSTITUTE, 583 D'INDROFRID DR., SUITE 200, MADISON, VI 53719) AND VTC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, VI 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 TPII OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING THE TRUSS IN CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPECIFICATION), ASHRAE (AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING), ASTM A653 GRADE 40/60 (K/KLSD) GALV STEEL. COMPLY PLATES TO EACH FACE OF TRUSS JOINTS. ALL MEMBERS SHALL BE PER ANNEX A3 OF TPI I-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 OWNER.	JAMES E. COLLINS, JR. No 52212 Professional Engineer STATE OF FLORIDA MAY 03
	MAX. TOT. LD. 60 PSF
REF	ASCE7-02-GABI1015
DATE	04/15/05
DRWG	A11015EEE0405
-ENG	

GABLE DETAIL FOR LET-IN VERTICALS



RIGID SHEATHING

TOENAILS
SPACED AT
4\"/>

TOENAILS
SPACED AT
4\"/>

CEILING

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 CABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

- ASCE 7-93 CABLE DETAIL DRAWINGS
 - A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
 - A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
- ASCE 7-98 CABLE DETAIL DRAWINGS
 - A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
 - A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103
- ASCE 7-02 CABLE DETAIL DRAWINGS
 - A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08515EE0405, A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08530EE0405

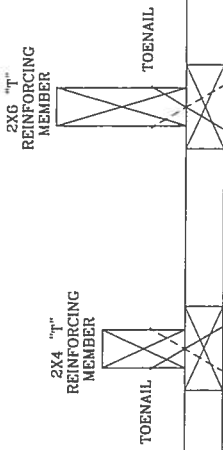
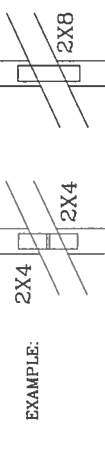
SEE APPROPRIATE ALPINE CABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

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

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

EXAMPLE: 2X4 2X4 2X8



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

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

WEB LENGTH INCREASE W/ "T" BRACE

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

EXAMPLE:

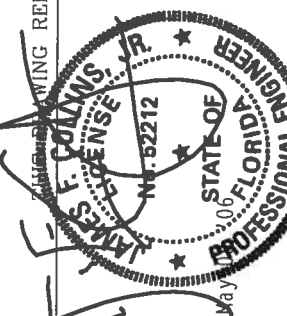
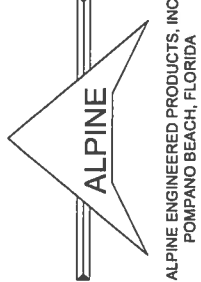
ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT
GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

REF	LET-IN VERT
DATE	04/14/05
DRWG	GBLETTIN0405
	-ENG DLJ/KAR
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY

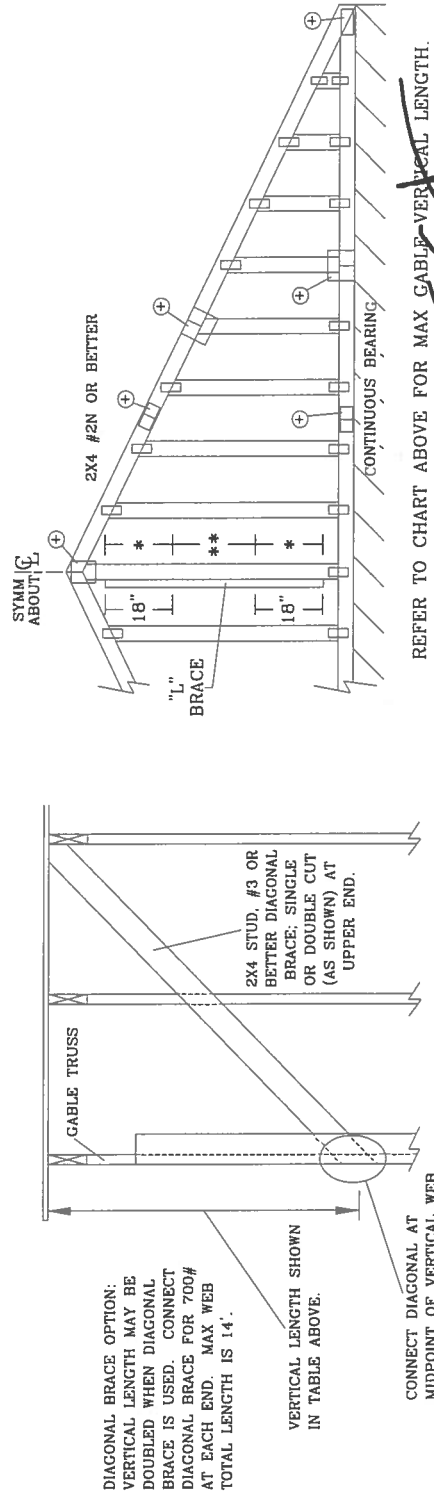
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 583 D'ONOFRI DR., SUITE 200, MADISON, WI 53719, AND VTCA AWOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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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ASCE 7-02: 110 MPH WIND SPEED, 30' 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
MAX GABLE VERTICAL LENGTH	12" O.C.	SPF	3' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	8' 11"	9' 2"	9' 2"	11' 9"	11' 9"
		HF	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	8' 11"	8' 11"	11' 2"	11' 2"
		STUD	3' 7"	5' 5"	5' 5"	7' 1"	7' 1"	8' 11"	8' 11"	8' 11"	8' 11"	11' 1"	11' 1"
		STANDARD	3' 7"	4' 8"	4' 8"	6' 1"	6' 1"	8' 3"	8' 3"	8' 3"	8' 3"	9' 6"	9' 6"
24" O.C.	SP	#1	4' 0"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	8' 11"	9' 7"	9' 7"	11' 9"	11' 9"
		#2	3' 11"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	8' 11"	9' 7"	9' 7"	11' 9"	11' 9"
		#3	3' 9"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	8' 11"	9' 5"	9' 5"	11' 5"	11' 5"
		STUD	3' 9"	5' 6"	5' 6"	7' 3"	7' 3"	8' 11"	8' 11"	9' 5"	9' 5"	11' 4"	11' 4"
16" O.C.	SPF	STANDARD	3' 8"	4' 9"	4' 9"	6' 3"	6' 3"	8' 5"	8' 5"	8' 5"	8' 5"	9' 9"	9' 9"
		#1 / #2	4' 2"	7' 3"	7' 5"	8' 7"	8' 10"	10' 3"	10' 3"	10' 6"	10' 6"	13' 10"	13' 10"
		#3	4' 1"	6' 8"	6' 8"	8' 7"	8' 7"	10' 3"	10' 3"	10' 3"	10' 3"	13' 5"	13' 5"
		STUD	4' 1"	8' 0"	8' 0"	8' 7"	8' 7"	10' 3"	10' 3"	10' 3"	10' 3"	13' 5"	13' 5"
12" O.C.	SPF	STANDARD	4' 1"	5' 8"	5' 8"	7' 6"	7' 6"	10' 1"	10' 1"	10' 1"	10' 1"	11' 8"	11' 8"
		#1	4' 7"	7' 3"	7' 9"	8' 7"	9' 3"	10' 3"	10' 3"	11' 0"	11' 0"	13' 5"	13' 5"
		#2	4' 6"	7' 3"	7' 9"	8' 7"	9' 3"	10' 3"	10' 3"	11' 0"	11' 0"	13' 5"	13' 5"
		#3	4' 4"	6' 10"	6' 10"	8' 7"	9' 0"	10' 3"	10' 3"	10' 9"	10' 9"	14' 0"	14' 0"
12" O.C.	SPF	STANDARD	4' 2"	5' 10"	5' 10"	7' 8"	8' 11"	10' 3"	10' 3"	10' 9"	10' 9"	13' 5"	13' 5"
		#1 / #2	4' 7"	8' 0"	8' 2"	9' 5"	9' 8"	11' 3"	11' 3"	11' 7"	11' 7"	14' 0"	14' 0"
		#3	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	11' 3"	11' 3"	14' 0"	14' 0"
		STUD	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	11' 3"	11' 3"	14' 0"	14' 0"
12" O.C.	HF	STANDARD	4' 6"	6' 7"	6' 7"	8' 8"	8' 8"	11' 3"	11' 3"	11' 3"	11' 3"	13' 6"	13' 6"
		#1	5' 1"	8' 0"	8' 0"	9' 5"	10' 2"	11' 3"	11' 3"	12' 1"	12' 1"	14' 0"	14' 0"
		#2	4' 11"	8' 0"	8' 0"	9' 5"	10' 2"	11' 3"	11' 3"	12' 1"	12' 1"	14' 0"	14' 0"
		#3	4' 9"	7' 11"	7' 11"	9' 5"	9' 11"	11' 3"	11' 3"	11' 10"	11' 10"	14' 0"	14' 0"
12" O.C.	DFL	STUD	4' 9"	7' 9"	7' 9"	9' 5"	9' 11"	11' 3"	11' 3"	11' 10"	11' 10"	14' 0"	14' 0"
		STANDARD	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	11' 3"	11' 3"	11' 7"	11' 7"	13' 10"	13' 10"
		#1	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	11' 3"	11' 3"	11' 7"	11' 7"	13' 10"	13' 10"
		#2	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	11' 3"	11' 3"	11' 7"	11' 7"	13' 10"	13' 10"



DIAGONAL BRACE OPTION:
VERTICAL LENGTH MAY BE
DOUBLED WHEN DIAGONAL
BRACE IS USED. CONNECT
DIAGONAL BRACE FOR 700#
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 GABLE VERTICAL LENGTH.

BRACING GROUP SPECIES AND GRADES:			
GROUP A:			
SPRUCE-PINE-FIR	HEM-FIR		
#1 / #2 STANDARD	#2	#3	STUD
#3	STUD		STANDARD
GROUP B:			
DOUGLAS FIR-LARCH	SOUTHERN PINE		
#3	STUD	#3	STUD
STUD	STANDARD		STANDARD

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.

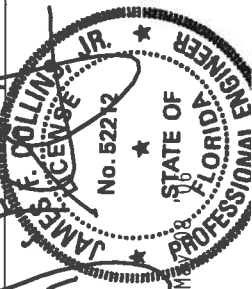
CABLE VERTICAL PLATE SIZES			
VERTICAL LENGTH	NO SPLICE	1X4 OR 2X3	
LESS THAN 4' 0"			
GREATER THAN 4' 0", BUT		2X4	
LESS THAN 11' 6"			
GREATER THAN 11' 6"		2.5X4	

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

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BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (V.H/SX) ASTM A653 GRADE
40/60 (V.H/SX) 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 (C) SHALL
INDICATE ACCEPTANCE OF THE DESIGN. THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN.
PROFESSIONAL ENGINEERING RESPONSIBILITY IS THE RESPONSIBILITY OF THE BUILDING
SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING

REF	ASCE7-02-CAB11030
DATE	04/14/05
DRWG	A11030EE0405
	-ENG

MAX. TOT. LD. 60 PSF



ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA