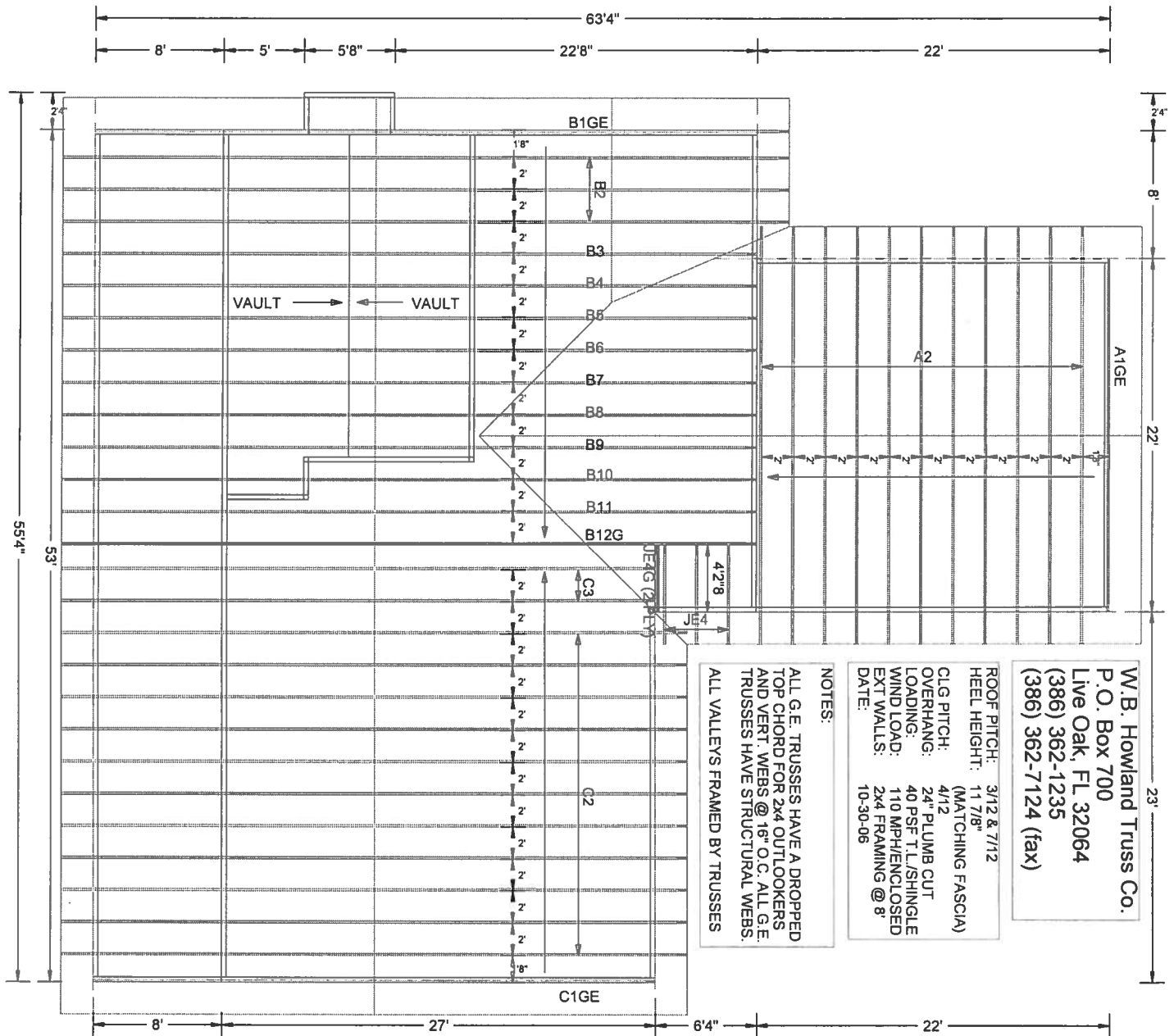


25351



NOTES:

ALL G.E. TRUSSES HAVE A DROPPED TOP CHORD FOR 2x4 OUTLOOKERS AND VERT. WEBS @ 16" O.C. ALL G.E. TRUSSES HAVE STRUCTURAL WEBS.

ALL VALLEYS FRAMED BY TRUSSES

ROOF PITCH: 3/12 & 7/12
HEEL HEIGHT: 11 7/8"
(MATCHING FASCIA)

CLG PITCH: 4/12
OVERHANG: 24" PLUMB CUT
LOADING: 40 PSF T.L./SHINGLE
WIND LOAD: 110 MPH/ENCLOSED
EXT WALLS: 2x4 FRAMING @ 8"
DATE: 10-30-06

W.B. Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (fax)

Job Name: Mark Hunter
Customer: EDGELY CONSTRUCTION
Designer: Chris McCall

JOB NO:

4008

PAGE NO:

1 OF 1

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:1T1W215-Z1231062237

Truss Fabricator: W.B. Howland
Job Identification: 4008-/Mark Hunter /EDGELY CONSTRUCTION -- LAKE CITY, FL
Truss Count: 19
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.25, 7.26.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - 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: 10/31/2006

-Truss Design Engineer-
James F. Collins Jr.

Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

Details: A11015EE-GBLLETIN-BRCLBSUB-

#	Ref	Description	Drawing#	Date
1	36473--	A1GE	06303084	10/30/06
2	36474--	A2	06303085	10/30/06
3	36475--	B1GE	06303102	10/30/06
4	36476--	B2	06303086	10/30/06
5	36477--	B3	06303087	10/30/06
6	36478--	B4	06303088	10/30/06
7	36479--	B5	06303089	10/30/06
8	36480--	B6	06303090	10/30/06
9	36481--	B7	06303091	10/30/06
10	36482--	B8	06303092	10/30/06
11	36483--	B9	06303093	10/30/06
12	36484--	B10	06303094	10/30/06
13	36485--	B11	06303095	10/30/06
14	36486--	B12G	06303098	10/30/06
15	36487--	C1GE	06303099	10/30/06
16	36488--	C2	06303100	10/30/06
17	36489--	C3	06303101	10/30/06
18	36490--	JE4	06303097	10/30/06
19	36491--	JE4G (2-PLY)	06303096	10/30/06



Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID: IT1W215-Z1231062237

Truss Fabricator: W.B. Howland
Job Identification: 4008-/Mark Hunter /EDGELEY CONSTRUCTION -- LAKE CITY, FL
Truss Count: 1
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.25, 7.26.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 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: 10/31/2006

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	36475--B1GE		06303102	10/30/06



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

LT Stubbed Wedge 2x4 SP #2 N::Rt Stubbed Wedge 2x4 SP #2 N:

See DWGS A11015EE0405 & GBLLFTIN0405 for more requirements.

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

MEMBER TO BE Laterally Braced for Horizontal Wind Loads.
Bracing System to be Designed and Furnished by Others.

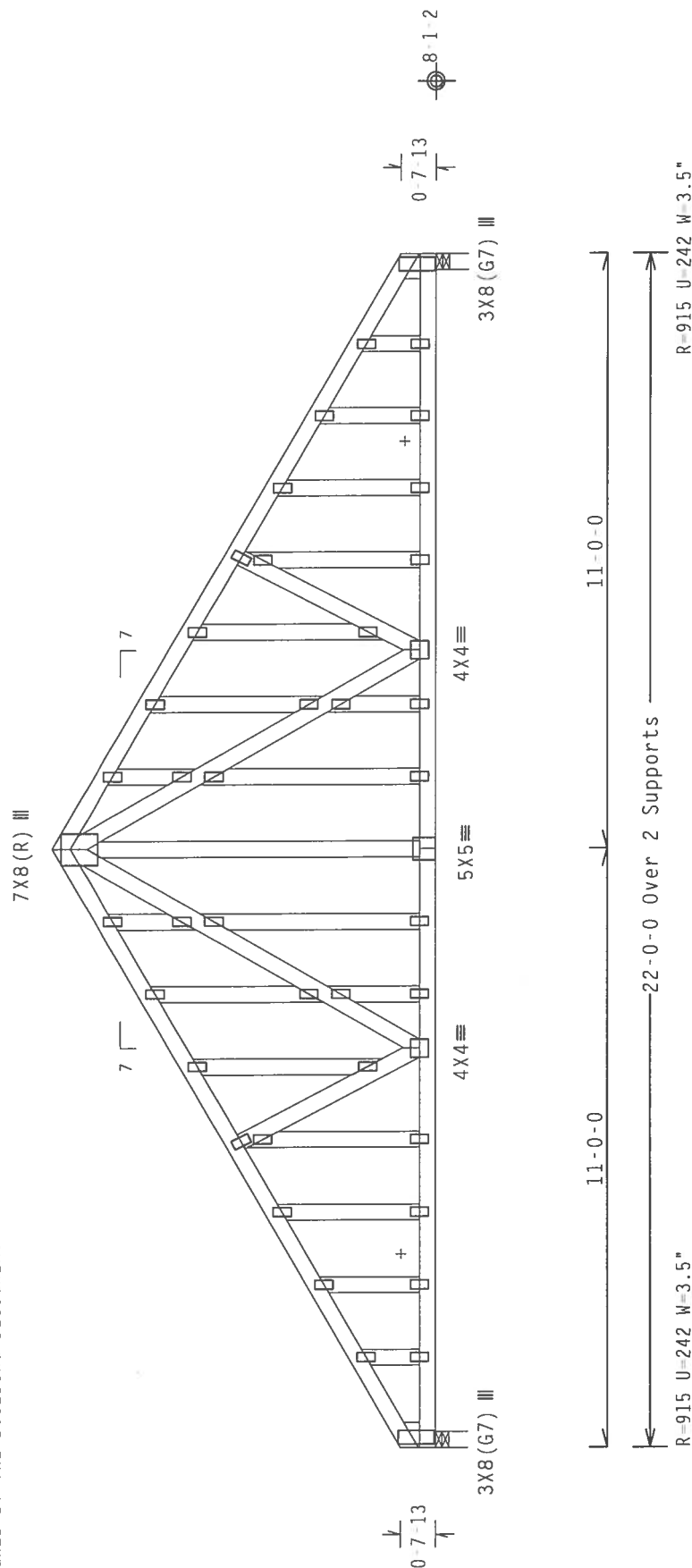
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

110 mph wind, 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.

Gable end supports 8" max rake overhang.

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

The overall height of this truss excluding overhang is 7-0-13.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT_TYP: Wave\R

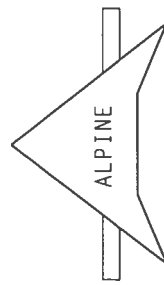
 $Cq/RT=1.00(1.25)/10(0) \quad 7.25.0502$

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

Scale = .3125"/Ft.

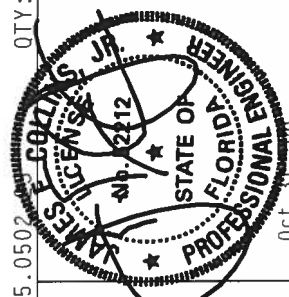
****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPT (THUSS) INSTITUTE, 583 MADISON, ST. 57191, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CHILLING.

*****IMPORTANT***** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE MANUFACTURING, MATERIAL, AND DESIGN SPECIFICATIONS OF THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/101-1 SEC. 2.



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

FI Certificate of Authorization # 567



TC LL	20.0	PSF	REF	R215--	36473
TC DL	10.0	PSF	DATE	10/30/06	
BC DL	10.0	PSF	DRW	HCUSR215	06303084
BC LL	0.0	PSF	HC-ENG	JK/AP	
TOT.LD.	40.0	PSF	SEQN-	147207	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T1W215	Z12

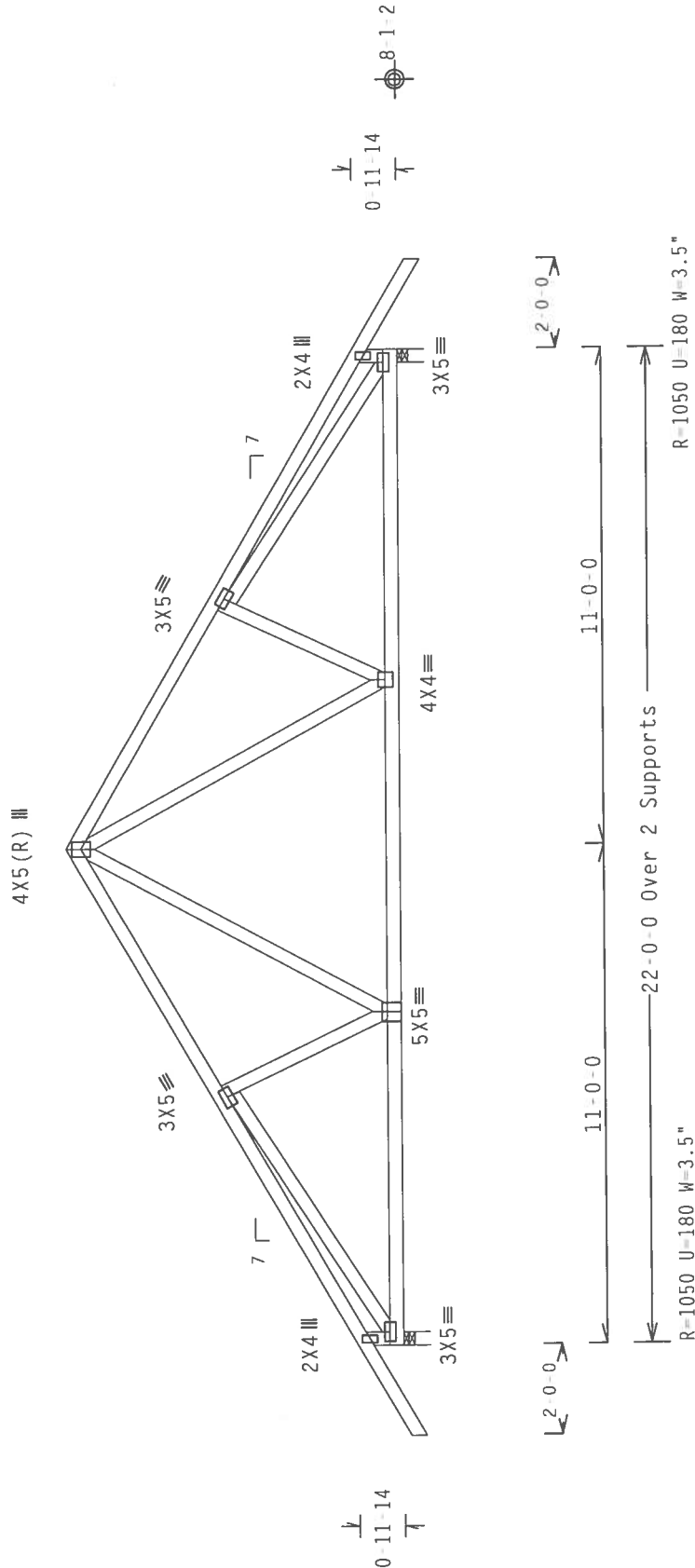
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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.

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

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

The overall height of this truss excluding overhang is 7-4 14.



Design Crit: TPI-2002(STD)/FBC

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

REF	R215--	36474
DATE	10/30/06	
DRW	HCUSR215	06303085
HC-ENG	JK/AP	*
SEQN	147211	
FROM	CDM	
JREF	1T1W215.Z12	

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
DJR.FAC.	1.25
SPACING	24.0"

PLT TYP.	Wave\R
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ALPINE	ENGINEERED PRODUCTS, INC.
1950 Marney Drive	James City, FL 33844
FL Certificate of Authorization # 567	

Top chord 2x4 SP SS :T4, T5 2x4 SP #2:
Bot chord 2x4 SP #2
Webs 2x4 SP #3 :W1, W4, W10 2x4 SP #2:
W7 2x4 SP SS:
Rt Stubbed Wedge 2x4 SP #3:

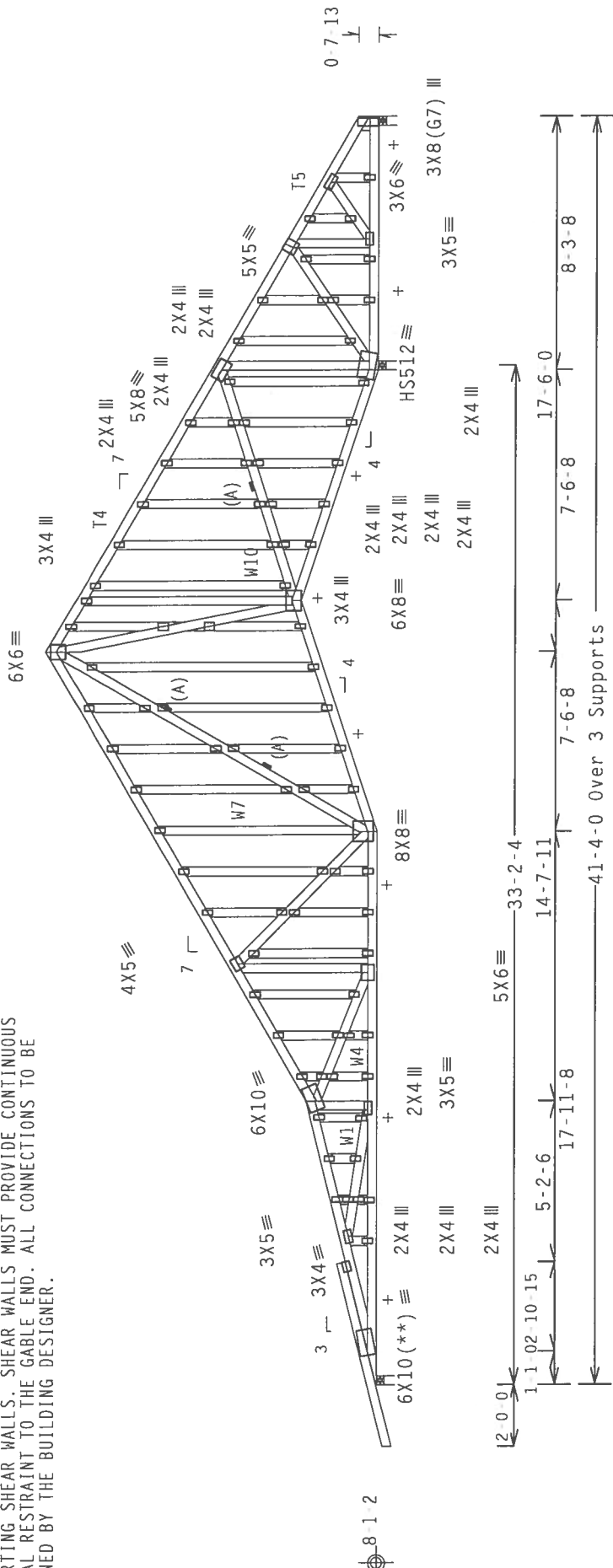
See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.
Trusses to be spaced at 12.0" OC maximum.
plates sized for a minimum of 3.00 sq.in./piece.

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

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

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

(A) Continuous lateral bracing equally spaced on member. Deflection meets L/360 live and L/240 total load.



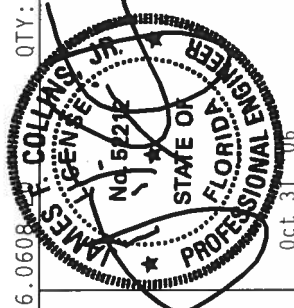
R-725 U-2258 W-3.5"

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

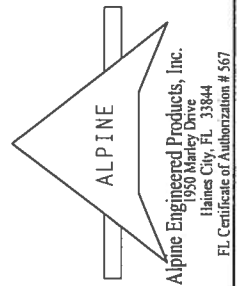
PLT TYP. 20 Gauge HS.Wave R Cq/RT=1.00(1.25)/10(0) QTY:1 FL/-5/-R/ Scale =.1875"/Ft.

TC LL	20.0	PSF	REF	R215 -	36475
TC DL	10.0	PSF	DATE	10/30/06	
BC DL	10.0	PSF	DRW	HCUSR215	06303102
BC LL	0.0	PSF	HC-ENG	JK/AP	
TOT.LD.	40.0	PSF	SEQN-	10111	REV
DUR.FAC.	1.25		FROM	CDM	
SPACING	12.0"		JREF-	111W215	Z12



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, 593 D-08010 RD. E., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BL., 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 STRUCTURES, INC. SHALL BE RESPONSIBLE FOR PROVIDING ALL INFORMATION REQUIRED TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING THE TRUSS. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI-1. ALPINE CONNECTOR PLATES ARE MADE OF 20X10/16GA. (M8/M8/SPE) ASTM A653 GRADE 40/D60 (W, E/W-SI). 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 AMBEX 43 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI-1 SEC. 2.



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

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

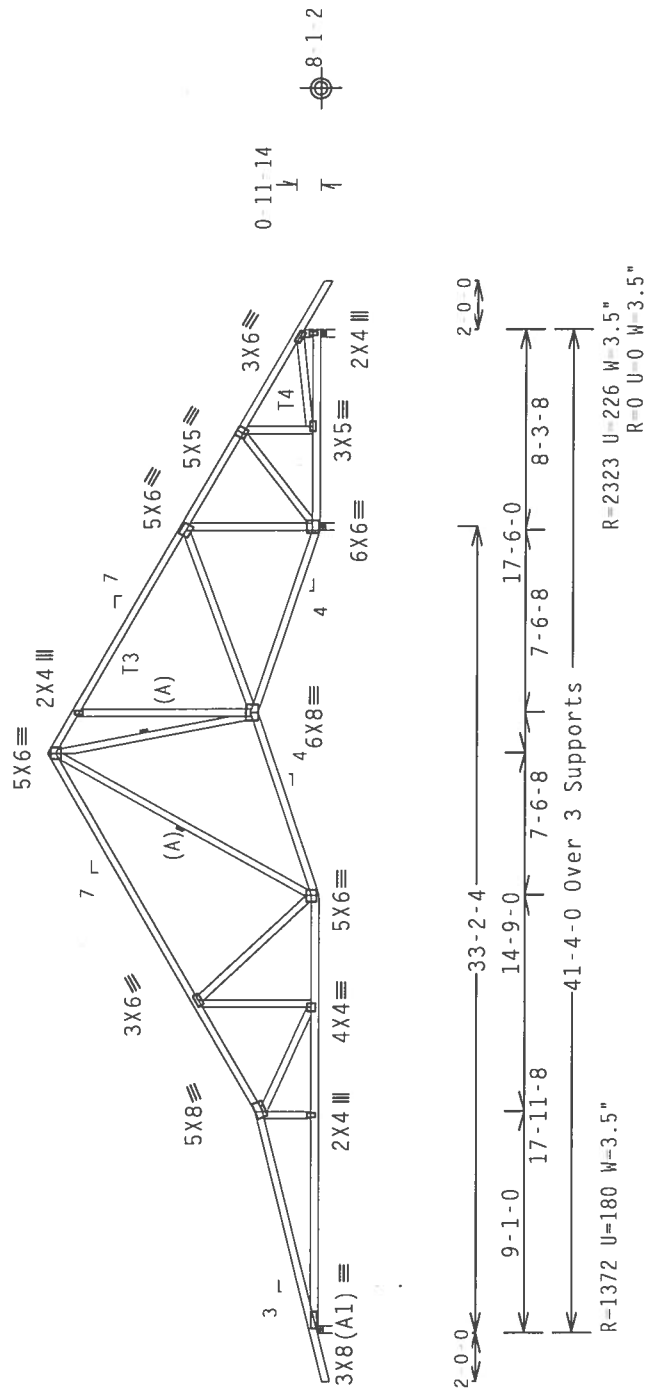
Wind reactions based on MwFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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

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

The overall height of this truss excluding overhang is 11·26.



Design Crit: TPI-2002(STD)/FBC

PLT_TYP: Wave/R

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

QTY: 3 EI / - / 5 / - / - / R / -

$$\text{Scale} = 125''/\text{Ft}$$

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BECS 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TROSS PLATE INSTITUTE, INC. 583 RIVERVIEW AVE. SUITE 14000, ST. LOUIS, MO 63117-1400) FOR THE LATEST INFORMATION. THE CITY OF ST. LOUIS, MISSOURI, AND THE CITY OF MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PROCEEDING WITH THE INSTALLATION. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

TC LL	20.0	PSF	REF	R215 -	36476
TC DL	10.0	PSF	DATE	10/30/06	
BC DL	10.0	PSF	DRW	HCUSR215	063030866
BC LL	0.0	PSF	HC-ENG	JK/AP	
TOT.LD.	40.0	PSF	SEQN-	147272	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T1W215	Z12

ALPINE

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

FL Certificate of Authorization # 567
Tallahassee City, FL 32304

Top chord 2x4 SP #2 N : 11 2x4 SP #2 Dense:

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

Wind reactions based on MWFRS pressures.

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

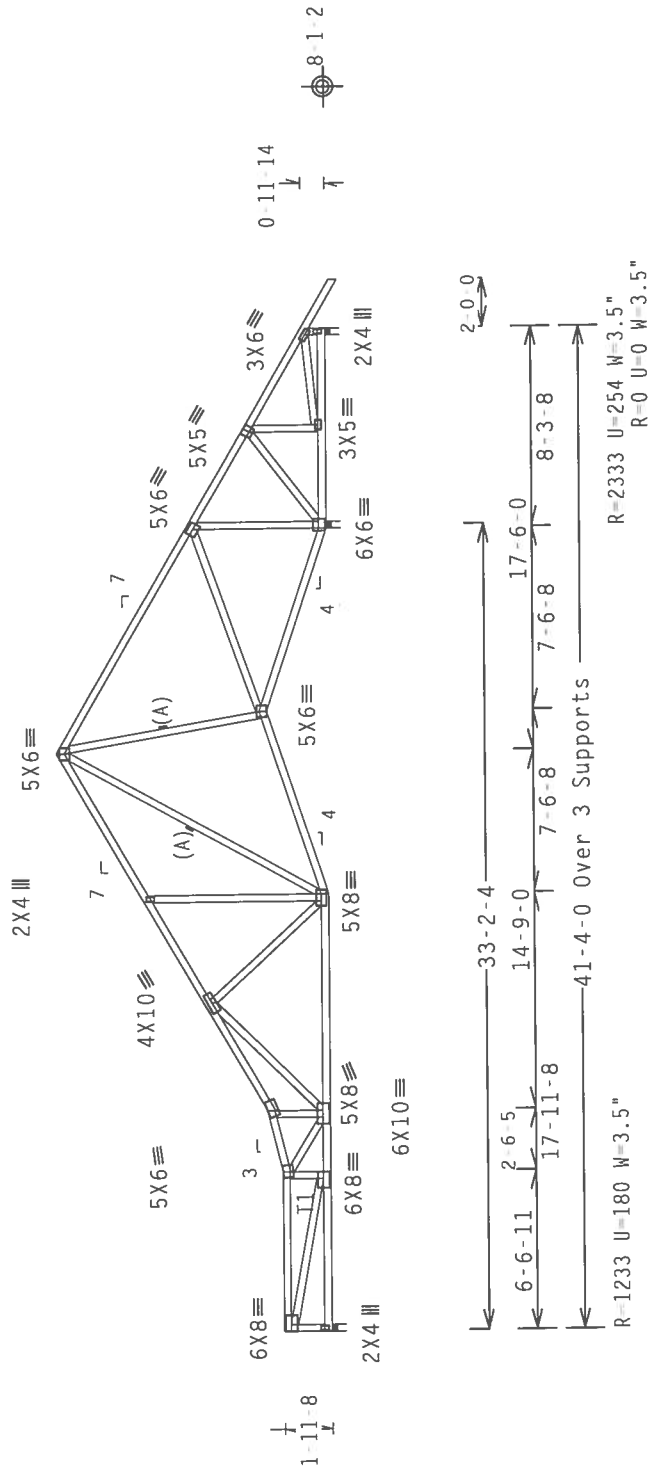
The overall height of this truss excluding overhang is 11-2-6.

110 mph wind, 15.00 ft mean ht, 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.

(A) Continuous lateral bracing equally spaced on member.

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

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



Design Crit: TPI-2002(STD)/FBC

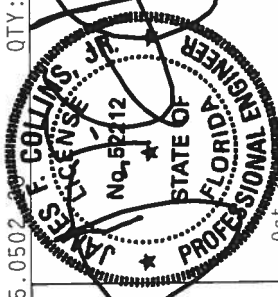
PLT TYP. Wave\ R

Cq/RT=1.00(1.25)/10(0) 7.25.0502

Scale = .125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 O'DONOHUE DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 600 WESTERN AVE., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. IF ANY OTHERS ARE 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 MDS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. ALPINE CORRECTOR PLATES ARE MADE OF 20/18/16GA (W-H/S/K) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



QTY: 1	FL	/	5	/	-	/	R	/	-	Scale = .125"/Ft.
TC LL	20.0	PSF	REF	R215	-	-	36478			
TC DL	10.0	PSF	DATE	10/30/06						
BC DL	10.0	PSF	DRW	HCUSR215	06303088					
BC LL	0.0	PSF	HC-ENG	JK/AP						
TOT.LD.	40.0	PSF	SEQN	147356						
DUR.FAC.	1.25		FROM	CDM						
SPACING	24.0"		JREF	1T1W215_Z12						



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

Wind reactions based on MWFRS pressures.

Left 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 11'-2-6".

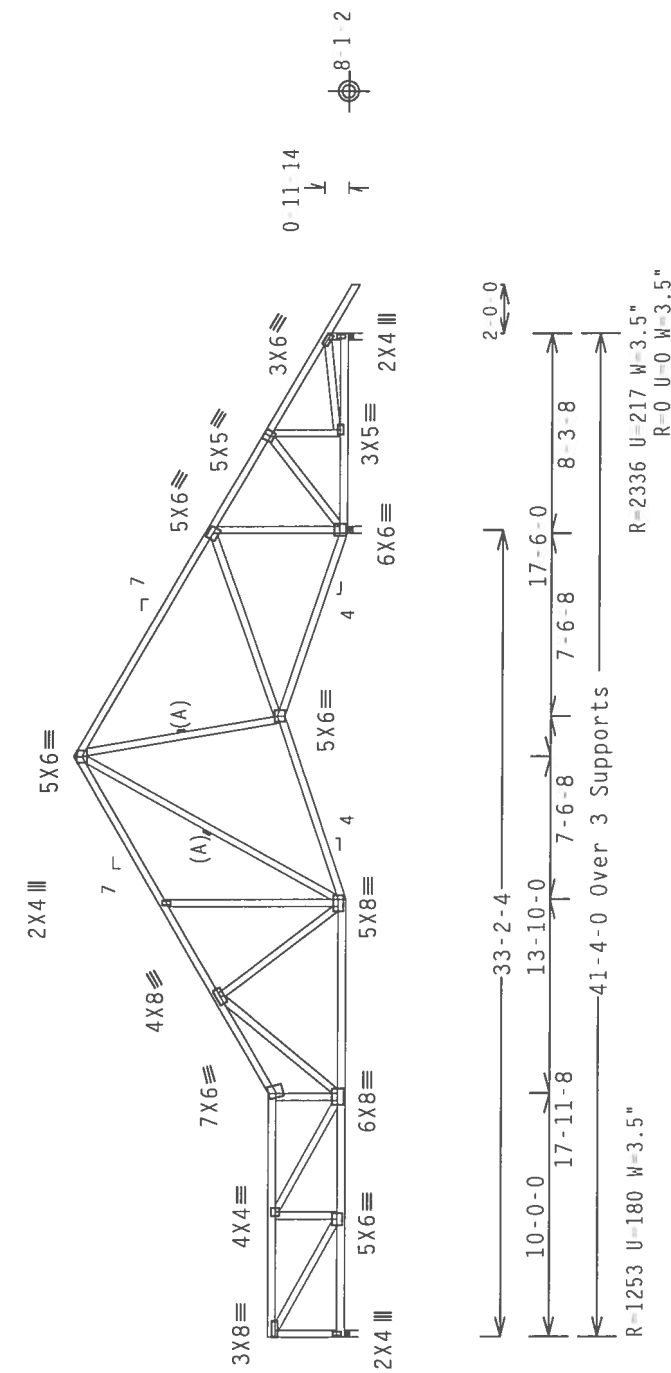
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Max JT VERT DEFL: LL: 0.18" DL: 0.19" recommended camber 3/8"

(A) Continuous lateral bracing equally spaced on member.

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

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



PLT TYP. Wave\R

ALPINE

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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0502.23

Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R215 - -	36479
TC DL	10.0 PSF	DATE	10/30/06	
BC DL	10.0 PSF	DRW	HCUSR215	06303089
BC LL	0.0 PSF	HC-ENG	JK/AP	
TOT.LD.	40.0 PSF	SEQN-	147351	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF	1T1W215	Z12

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

0-11-14

8-1-2

2-0-0

R-2336 U=217 W=3.5"

R-0 U=0 W=3.5"

ALPINE ENGINEERED PRODUCTS, INC.

1950 MARLEY DRIVE

HAINES CITY, FL 33844

FL CERTIFICATE OF AUTHORIZATION # 567

Top	chord	2x4	SP	#2	N
30t	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

11110 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.

wind reactions based on MWFRS pressures.

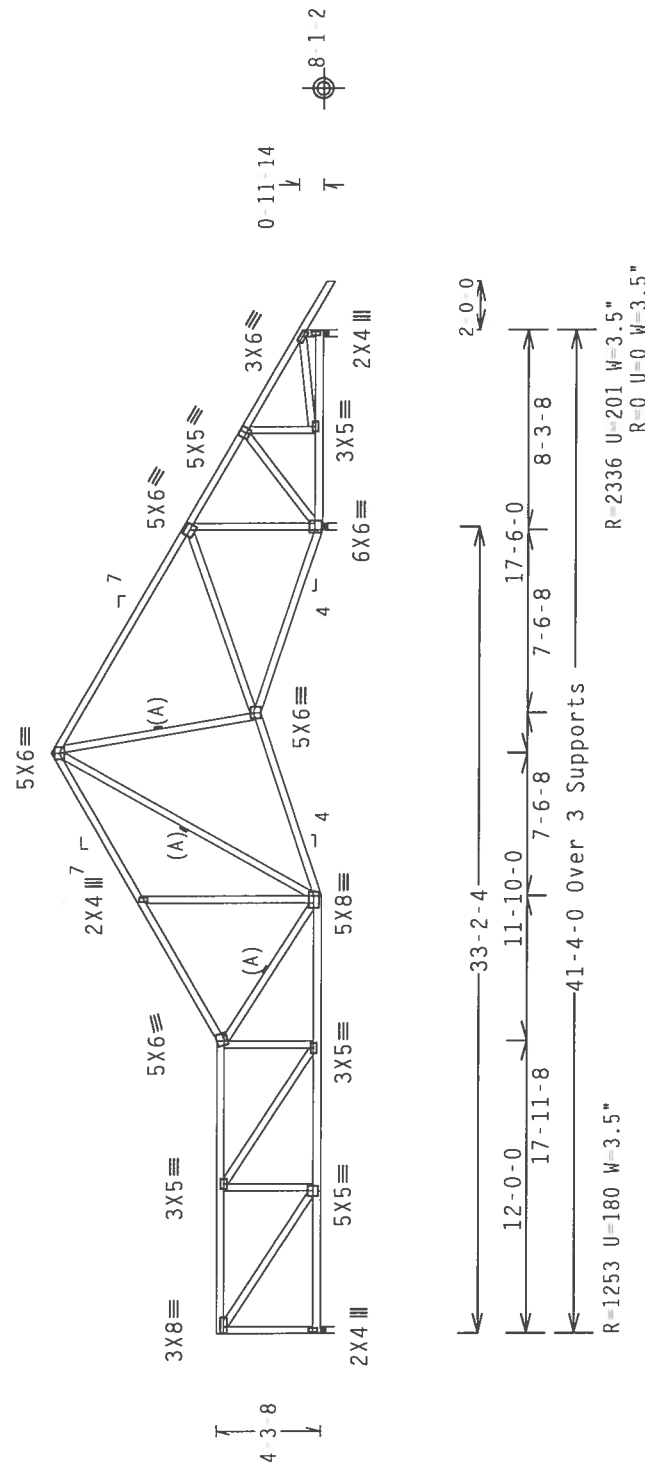
(A) Continuous lateral bracing equally spaced on member.

Left end vertical not exposed to wind pressure.

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

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

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

 $Ca/RT=1.00(1.25)/10(0)$ 7.25-0502

OTY:1 EI / - / 5 / - / - / R / -

$$\text{Scale} = 125''/\text{Ft}$$

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IP1 (CRUSS PLATE INSTITUTE, 503 D-08010 RD., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE, H-01-08010 RD., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED

TC LL	20.0	PSF	REF	R215 -	36480
TC DL	10.0	PSF	DATE	10/30/06	
BC DL	10.0	PSF	DRW	HCUSR215	06303090
BC LL	0.0	PSF	HC-ENG	JK/AP	
TOT.LD.	40.0	PSF	SEQN-	147346	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T1W215	Z12

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
E1 Certificate of Authorization # 567

Haines City, FL 33844
El Certificate of Authorization # 567

Top chord 2x4 SP #2 N :T2 2x4 SP #2 Dense:

:T3 2x4 SP SS:

Bot chord 2x4 SP #2 N

Webbs 2x4 SP #2 N

Left 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.

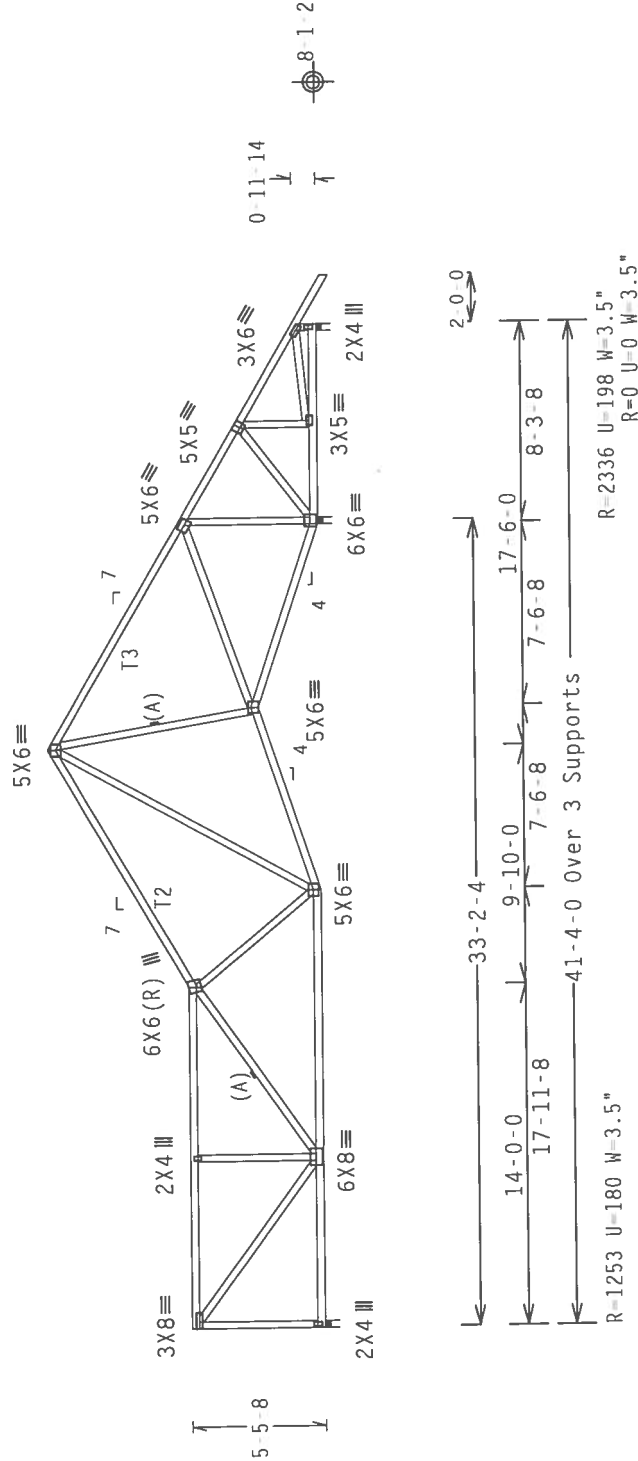
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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

The overall height of this truss excluding overhang is 11'-2 6/8".



Design Crit: TPI-2002(STD)/FBC

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

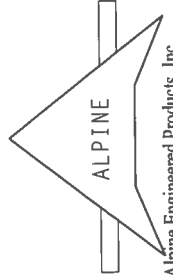
7.25.0502

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

Scale = .125"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 1000 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD CHORD TRUSS CONNECTIONS), PUBLISHED BY TPI, 1000 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIVITIES. 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. *THE CONTRACTOR SHALL 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 AOS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. *ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (H/H/S/K) ASTM A653 GRADE 40/60 (H, K/H, S) GALV. STEEL. *APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TIGA 2. *ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. *A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. *THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



FL Certificate of Authorization # 567

PLT TYP. Wave\R

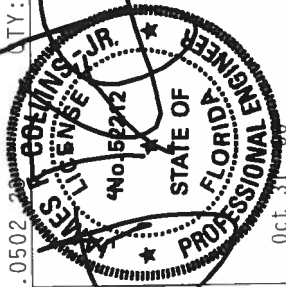
QTY:1

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

Scale = .125"/Ft.

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

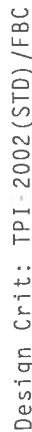
REF	R215--	36481
DATE	10/30/06	
DRW	HCUSR215	06303091
HC-ENG	JK/AP	
SEQN-	147341	
FROM	CDM	
JREF-	1T1W215_Z12	



Oct 31 2006

The overall height of this truss excluding overhang is 11'-2" 6.

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



PI-2002(SID)/FBC
Cg/PT=1 00(1 25)/10(0) 7 25 0502

Scale = .125"/Ft.

IMPORTANT TURN OVER A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE OR FABRICATING, HANDLING, SHIPPING, INSTALLING, A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOST (NATIONAL DESIGN SPECIFICATION FOR STEEL TRUSS DESIGN) SHALL BE THE RESPONSIBILITY OF THE USER. THE USER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, SECTION PER DRAWINGS LOG 2. ANY PLACEMENT OF PLATES FOLLOWED BY (1) SHALL BE PER ANCH A3 OF TP1 2002 SEC. 3. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENTS DESIGN SHOWN. THE USER SHALL USE OF THIS CONSENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE USER.

TC	LL	20.0 PSF
----	----	----------

REF R215 - - 36482

DATE 10/30/06

DATE 10/30/00

JKW HCUR215 06303092

HC-ENG JK/AP

SEQN- 147336

FROM CDM

1055	1T1H21E 712
------	-------------

REF - I I I W Z I C _ Z I C

Haines City, FL 33844
FL Certificate of Authorization # 567

Haines City, FL 33844
FL Certificate of Authorization # 567

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

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

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

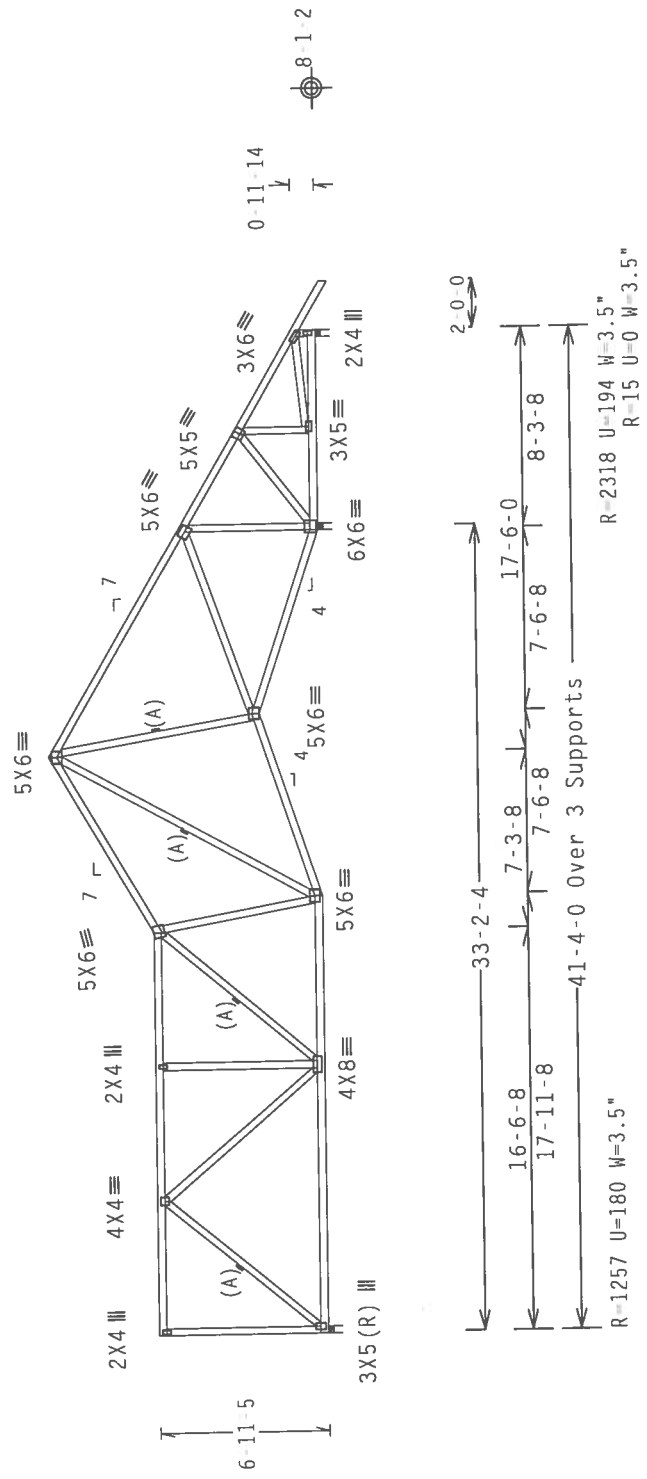
The overall height of this truss excluding overhang is 11' 2 6/8".

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.

(A) Continuous lateral bracing equally spaced on member.

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/R

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

JAMES E. COLLINS, JR.
No. 82112
STATE OF FLORIDA
PROFESSIONAL ENGINEER

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'DONNELL 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 THE DESIGN OR FOR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AFAPA AND TPI. ALPINE CORRELATION PLATES ARE AVAILABLE FOR THE FOLLOWING: ASTM A563 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY TO ALL TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. PLATES SHALL BE PER ANCHOR A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Scale = .125"/Ft.	QTY: 1	FL / - / 5 / - / - / R / -	TC LL	20.0 PSF	REF R215 - -	36483
			TC DL	10.0 PSF	DATE	10/30/06
			BC DL	10.0 PSF	DRW HCUSR215	06303093
			BC LL	0.0 PSF	HC-ENG JK/AP	
			TOT. LD.	40.0 PSF	SEQN -	147331
			DUR. FAC.	1.25	FROM	CDM
			SPACING	24.0"	JREF -	111W215_Z12

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.

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

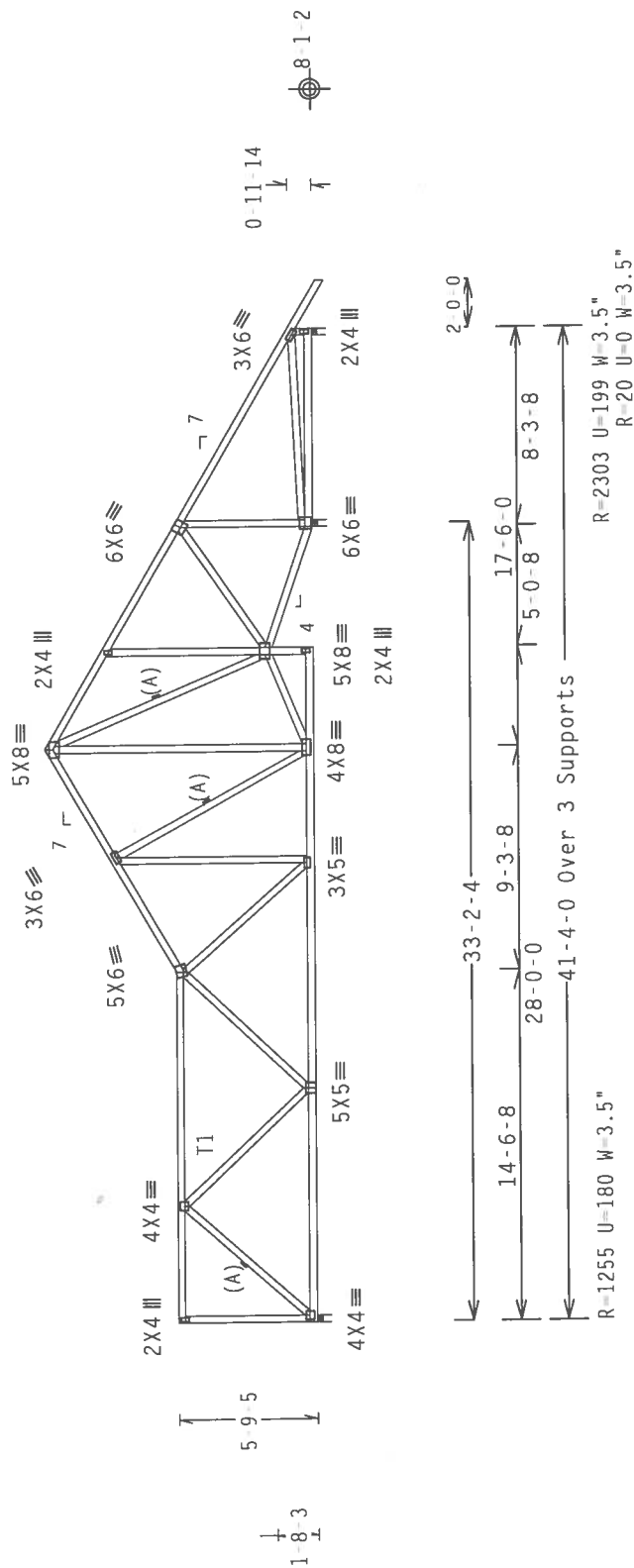
Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 11-2-6.

(A) Continuous lateral bracing equally spaced on member.

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.



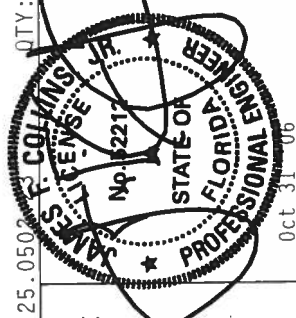
Design Crit: TPI-2002(STD)/FBC

Scale = .125"/Ft.

PLT TYP. Wave\R

***WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.**
 REFER TO BCST 1 03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TRUSS PULPIT INSTITUTE, 583
 W. OHIO ST., SUITE 200, HANCOCK, MI 48731, AND WITH AROUND TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BL.,
 HANCOCK, MI 48731, 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 AIRLINE ENGINEER'S PRODUCTS. THE SHALL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THESE SPECIFICATIONS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE ABOVE REQUIREMENTS WILL CAUSE PROVISIONS OF AOS (NATIONAL DESIGN SPEC., BY AREA) AND TPI ALPHAS DESIGN CRITERIA TO APPLY. THE FOLLOWING SHIPPING, INSTALLING & BRACING OF TRUSSES PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED OR THIS POSITION PER DRAWINGS 160A.2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMHX AS OF 1911 2002 SEC.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

Oct 31 06

TC LL	20.0	PSF	REF R215-- 36484
TC DL	10.0	PSF	DATE 10/30/06
BC DL	10.0	PSF	DRW HCUR215 06303094
BC LL	0.0	PSF	HC-ENG JK/AP
TOT.LD.	40.0	PSF	SEQN- 147325
DUR.FAC.	1.25		FROM CDM
SPACING	24.0"		JREF- 11W215_Z12

(4008-Mark Hunter /EDGELEY CONSTRUCTION -- LAKE CITY, FL - B11)

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

Wind reactions based on MWERS pressures.

Left end vertical not exposed to wind pressure.

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

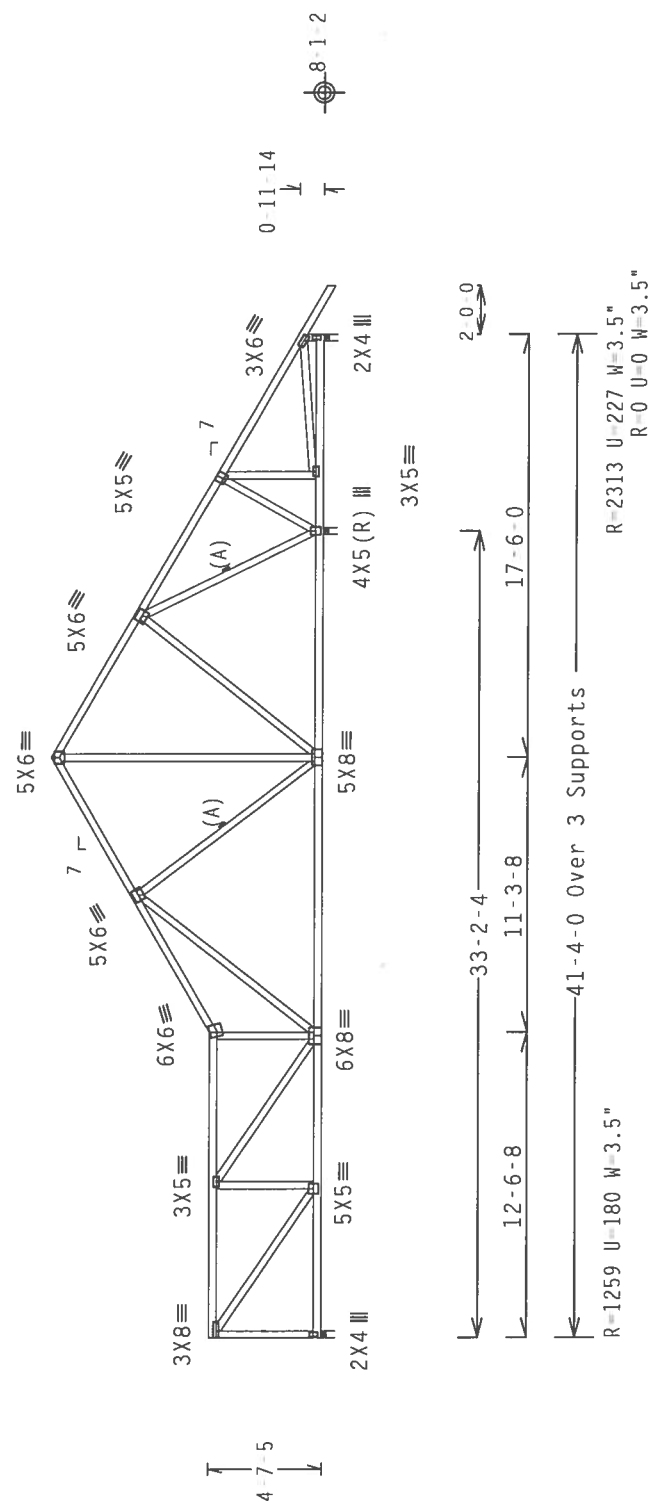
The overall height of this truss excluding overhang is 11-2-6.

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.

(A) Continuous lateral bracing equally spaced on member.

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

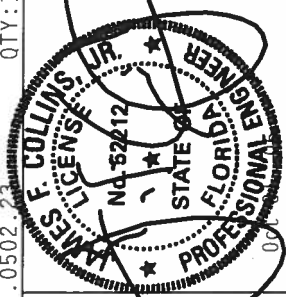
Plates sized for a minimum of 3.00 sq.in./piece.



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

PLT TYP. Wave\R

Scale = .125"/Ft.		QTY:1	FL/-/5/-/1-/R/-	TC LL	20.0 PSF	REF	R215-- 36485
				TC DL	10.0 PSF	DATE	10/30/06
				BC DL	10.0 PSF	DRW	HCUSR215 06303095
				BC LL	0.0 PSF	HC-ENG	JK/AP
				TOT.LD.	40.0 PSF	SEQN-	147320
				DUR.FAC.	1.25	FROM	CDM
				SPACING	24.0"	JREF-	1T1W215-212



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE BUILDING RESEARCH CORPORATION, 4000 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 ACPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2010/16GA (4-N/5X) ASTM A653 GRADE 40/60 (IN. K/0.5) GALV. STEEL. APPLICABLE SPECIFICATIONS FOR EACH FACE TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS (60A-2, 60B-2, 60C-2, 60D-2, 60E-2, 60F-2, 60G-2, 60H-2, 60I-2, 60J-2, 60K-2, 60L-2, 60M-2, 60N-2, 60O-2, 60P-2, 60Q-2, 60R-2, 60S-2, 60T-2, 60U-2, 60V-2, 60W-2, 60X-2, 60Y-2, 60Z-2). DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS SEAL OR THIS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

	Top chord	2x4	SP #2	N :T1	2x4	SP SS:
Bot chord	2x6	SP #2 <td>N :B3,</td> <td>B4</td> <td>2x4</td> <td>SP #2 N:</td>	N :B3,	B4	2x4	SP #2 N:
	webs	2x4	SP #2 <td>N</td> <td></td> <td></td>	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.

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

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

The overall height of this truss excluding overhang is 11-2-6.

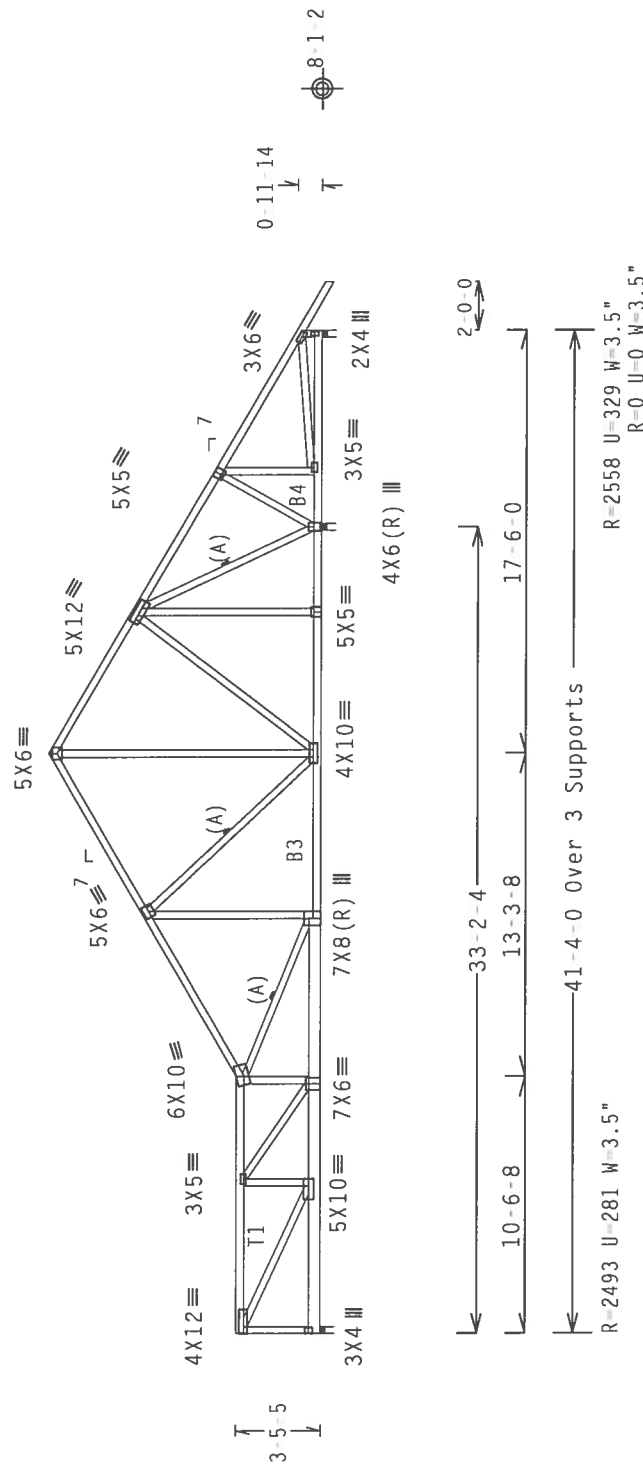
SPECIAL LOADS

	(LUMBER	DUR.FAC. = 1.25	/ PLATE	DUR.FAC. = 1.25)
TC	From	63 PLF at 0.00	to	63 PLF at 43.33
BC	From	20 PLF at 0.00	to	20 PLF at 41.33
BC	From	5 PLF at 41.33	to	5 PLF at 43.33
PB-LB	143 LB Conc.	Load at (1.73, 8.13),		(3.73, 8.13), (5.73, 8.13)
PB-LB	1050 LB Conc.	Load at (6.21, 8.13),		

(A) Continuous lateral bracing equally spaced on member.

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.



R=2558 U=329 W=3.5"
R=0 U=0 W=3.5"

R-2493 II-281 W-3-5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

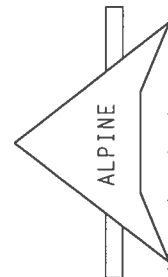
$$Cq/RT=1.00(1.25)/10(0)$$

QTY:1 EL / - / 5 / - / - / R / - /

Scale = 125"/Ft

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. CONSULT THE MANUFACTURER'S SAFETY INFORMATION, PUBLISHED BY IPI CRUSS PLATE SYSTEMS, 983 S. GUNTER RD., CHICAGO, IL 60607 OR IPI CRUSS PLATE SYSTEMS LTD., 5000 W. MADISON, MI 48071. 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 CHORD LINE.

*IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE DESIGNER, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR ERECTING TRUSSES. THE DESIGNER, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA 1000-1-1) SHALL APPLY TO ALL TRUSSES. THE DESIGNER, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITIVE INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK A OF TPI 11 2002 SPECIFICATION. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE DESIGNER, INC. OF THIS COMPANY FOR ANY BUILDING IS. BUILDING DESIGNER, PER ANNEK A OF TPI 11 2002 SPECIFICATION.



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

FL. Certificate of Authorization # 567

Oct 31 06

REF ID: A66852

SPACING 24.0"

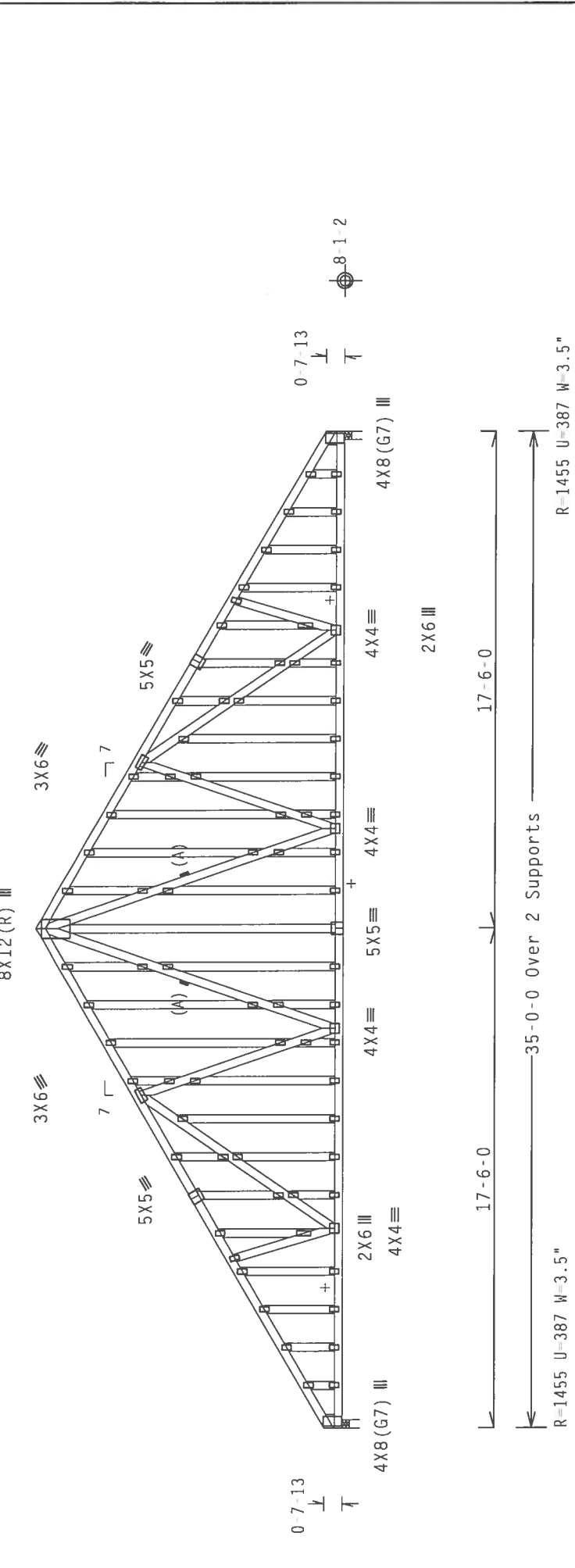
Oct 31 06

BUILDING DESIGNER PER ANSI/AP1 SEC. 2.

James City, FL 33844
FL Certificate of Authorization # 567

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Stubbed Wedge 2x4 SP #2 N::Rt Stubbed Wedge 2x4 SP #2 N:
Gable end supports 8" max rake overhang.
(A) Continuous lateral bracing equally spaced on member.
Plates sized for a minimum of 3.00 sq.in./piece.
+ MEMBER TO BE Laterally BRACED FOR HORIZONTAL WIND LOADS.
BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF 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
Cq/RT=1.00(1.25)/10(0) 7.25.0502.22
PLT TYP. Wave\R

Scale = .1875"/Ft.

REF	TC LL	20.0 PSF	FL/-/5/-/-/R/-
R215--	TC DL	10.0 PSF	
10/30/06	BC DL	10.0 PSF	
DRW	BC LL	0.0 PSF	
HCUSR215	TOT.LD.	40.0 PSF	
06303099	DUR.FAC.	1.25	
HC-ENG JK/AP	SPACING	24.0"	
SEQN-			
147225			
FROM			
CDM			
JREF-			
1T1W215-Z12			

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

ALPINE
ENGINEERED PRODUCTS, INC.
DESIGNED BY
No. 5712
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Oct 2007

ALPINE
ENGINEERED PRODUCTS, INC.
DESIGNED BY
No. 5712
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Oct 2007

ALPINE
ENGINEERED PRODUCTS, INC.
DESIGNED BY
No. 5712
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Oct 2007

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, C10SED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

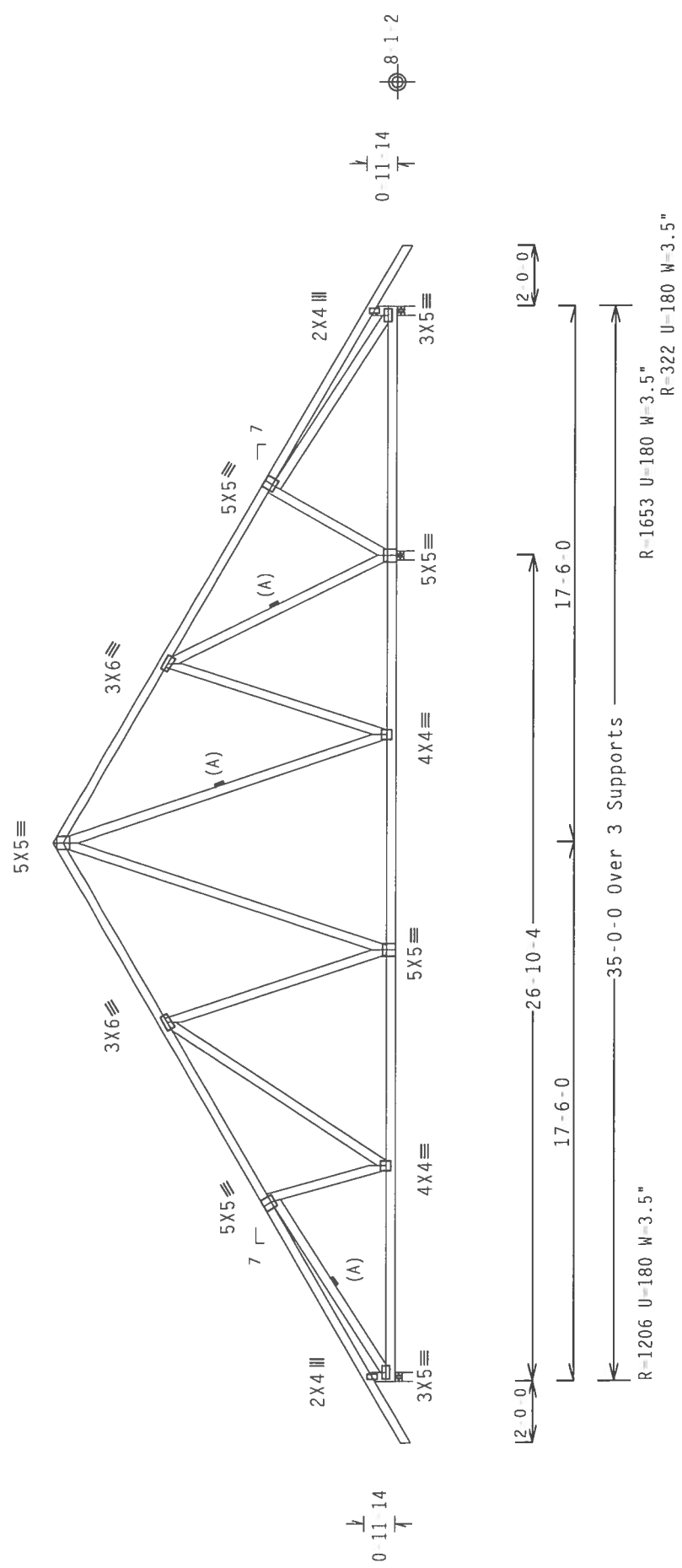
Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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

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

The overall height of this truss excluding overhang is 11' 2" 6."



Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.

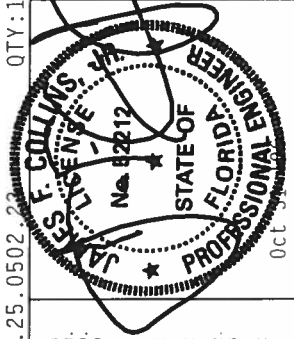
QTY:11 FL/-/5/-/-/R/-

7.25.0502.23

$$Cq/RT = 1.00(1.25)/10(0)$$
[illegible]PLT TYP. Wave\ R

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 PLAN INSTITUTE, 583 WEST 40TH STREET, 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 ACCORDANCE WITH THE REQUIREMENTS OF THIS DESIGN, INCLUDING FABRICATING, SHIPPING, INSTALLING & BRACING OF TRUSSES, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE PROPOSED TRUSS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS: THE TRUSS CONNECTOR PLATES ARE MADE OF 70/10166A (H/VS/PT) ASH 6053 GRADE 40/60 (F 40/60) (K/US) GALV. STEEL. APPLY 2 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/AP1 1 SEC. 2.



TC LL	20.0	PSF	REF	R215 -	36488
TC DL	10.0	PSF	DATE	10/30/06	
BC DL	10.0	PSF	DRW	HCUSR215	06303100
BC LL	0.0	PSF	HC - ENG	JK/AP	
TOT.LD.	40.0	PSF	SEQN -	147229	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF -	111W215_Z12	

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.

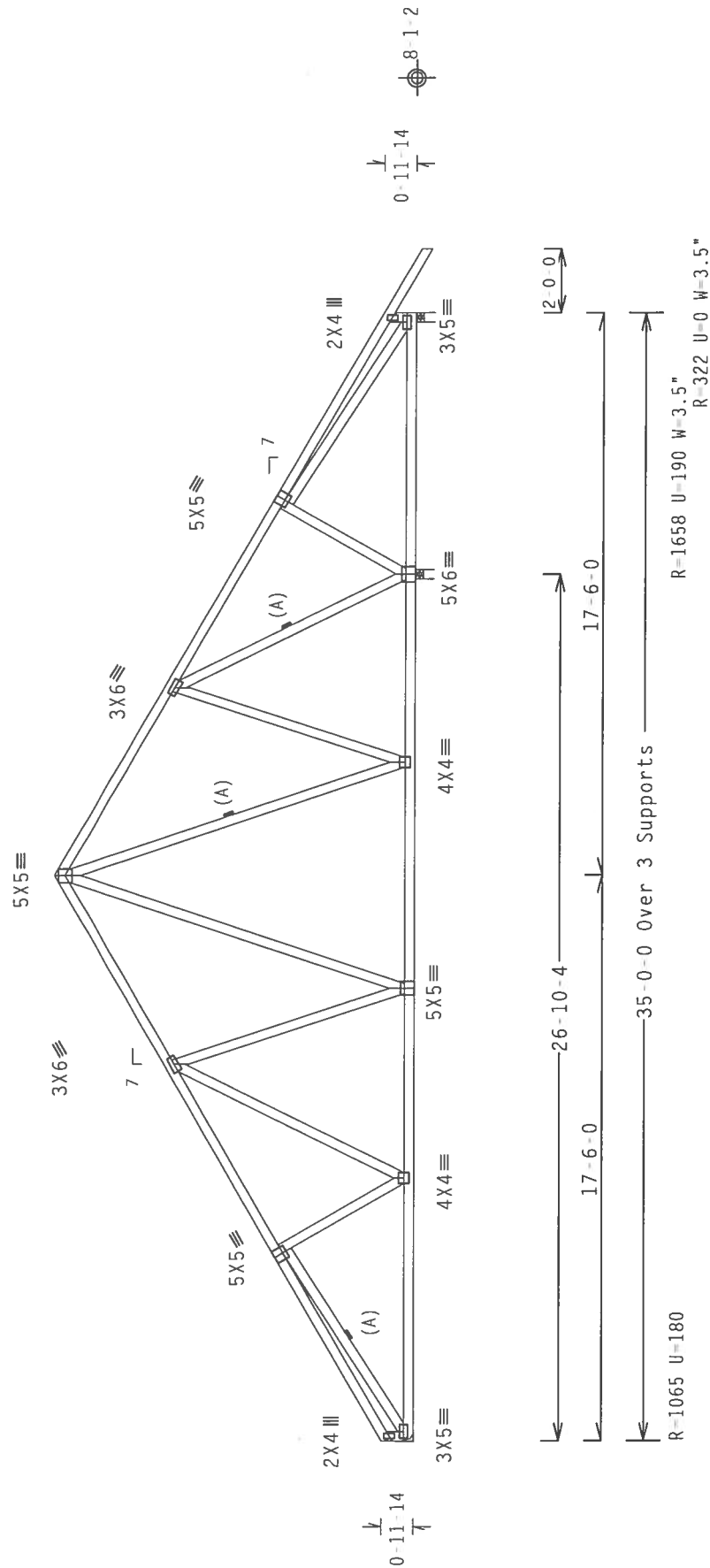
Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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

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

The overall height of this truss excluding overhang is 11'2-6".



Design Crit: TPI-2002(STD)/FBC

QTY:2 FL/-/5/-/-/R/-/ Scale =.1875"/ft.

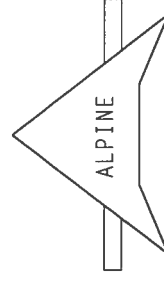
PLT TYP. Wave\R

[illegible]

****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'S OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING TO TRUSSES. CONNECTOR PLATES ARE MADE OF PROPOSED STEEL DESIGN SPEC. BY APMA AND TPI. ALPINE ENGINEERED PRODUCTS HAS REVIEWED AND APPROVED THESE DRAWINGS AS SHOWN.

PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DIMENSIONS GIVEN.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMPS #2 OF TP1-2009 SEC 3 - A SEAL OR THIS DRAINAGE INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMP#1/TP1 1 SEC. 2.



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

James City, FL 33844
Fl. Certificate of Authorization # 567

TC LL	20.0	PSF	REF	R215--	36489
TC DL	10.0	PSF	DATE	10/30/06	
BC DL	10.0	PSF	DRW	HCUSR215	06303101
BC LL	0.0	PSF	HC-ENG	JK/AP	
TOT.LD.	40.0	PSF	SEON-	147293	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		UREF-	1T1W215	Z12

(4008 /Mark Hunter /EDGELEY CONSTRUCTION -- LAKE CITY, FL -- JE4)

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

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.

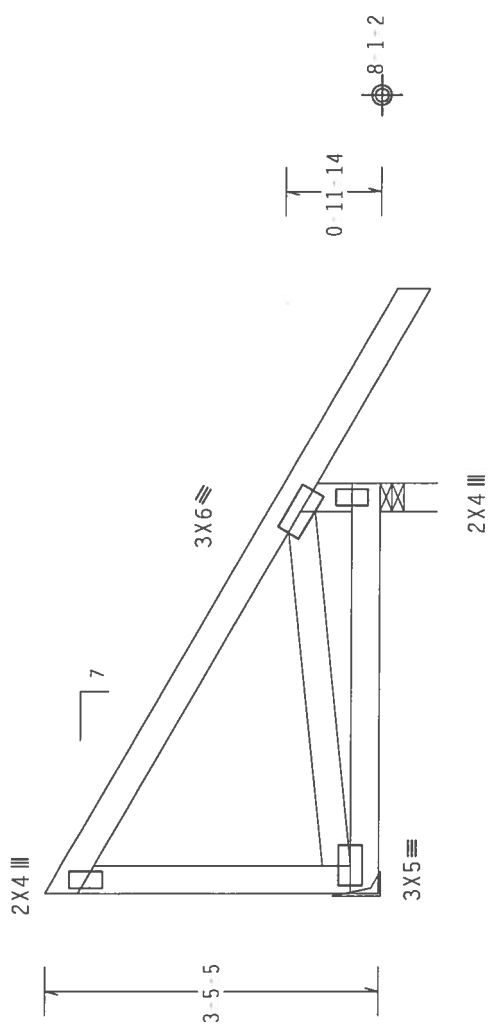
Wind reactions based on MWFRS pressures.

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

Left end vertical not exposed to wind pressure.

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

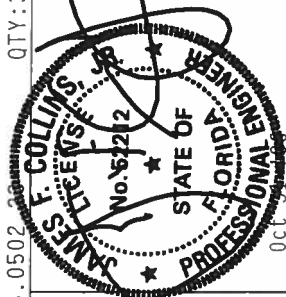
The overall height of this truss excluding overhang is 3-5 5.



←4-2-8 Over 2 Supports →
R-143 U-180 R-343 U-180 W-3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R	QTY:3	FL/-/5/-/R/-	Scale =.5"/Ft.
REF R215-- 36490	TC LL	20.0 PSF	
DATE 10/30/06	TC DL	10.0 PSF	
DRW HCUSR215 06303097	BC DL	10.0 PSF	
HC-ENG JK/AP	BC LL	0.0 PSF	*
SEQN- 147299	TOT.LD.	40.0 PSF	
FROM CDM	DUR.FAC.	1.25	
JREF- 1T1W215_Z12	SPACING	24.0"	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 503 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BL., 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 DESIGN TO EACH FACE OF TRUSS AND JOINTS (4-11/16) WITH AISC GRADE 40/60 (4-11/16) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND JOINTS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SECTION PER DRAWINGS 160A 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

SPECIAL LOADS

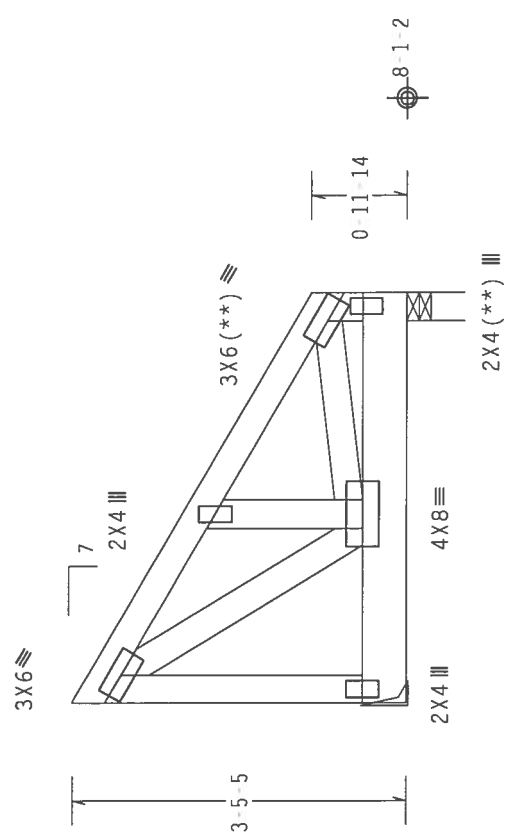
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 0.00 to 63 PLF at 4.21
BC - From 20 PLF at 0.00 to 20 PLF at 4.21
BC - 1065 LB Conc. Load at 1.48, 3.48
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Left end vertical not exposed to wind pressure.
Plates sized for a minimum of 3.00 sq.in./piece.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 6.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
Wind reactions based on MWFRS pressures.
Deflection meets L/360 live and L/240 total load.
The overall height of this truss excluding overhang is 3-5 5.



←4-2-8 Over 2 Supports →
R=1050 U=180 R=1430 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R	QTY:1	FL/-/5/-/-/R/-	Scale =.5"/Ft.
	TC LL	20.0 PSF	REF R215 - 36491
	TC DL	10.0 PSF	DATE 10/30/06
	BC DL	10.0 PSF	DRW HCUR215 06303096
	BC LL	0.0 PSF	HC-ENG JK/AP
	TOT.LD.	40.0 PSF	SEQN- 147308
	DUR.FAC.	1.25	FROM CDM
	SPACING	24.0"	JREF- 1T1W215_Z12

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS. (4) 2X4X1/2" LATH AGES GRADE 40/60 (M, K/PLS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. (2) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

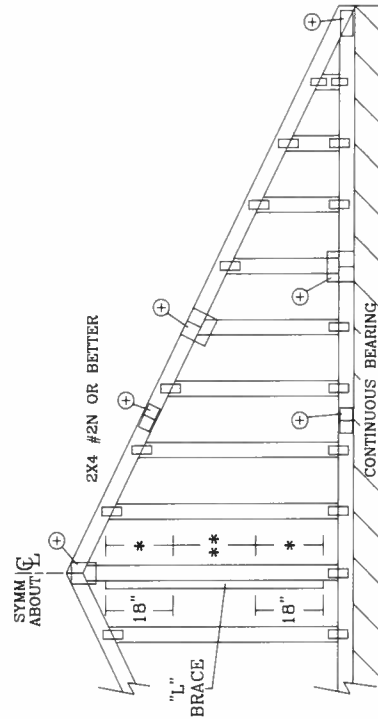
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MAX CABLE VERTICAL LENGTH																		
SPACING	2X4 CABLE VERTICAL SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *			(1) 2X4 "L" BRACE *			(2) 2X4 "L" BRACE **			(1) 2X6 "L" BRACE *			(2) 2X6 "L" BRACE *		
				GROUP A	GROUP B	GROUP A	GROUP B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

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

VERTICAL LENGTH SHOWN
IN TABLE ABOVE.

CONNECT DIAGONAL AT
MIDPOINT OF VERTICAL WEB



REFER TO CHART ABOVE FOR MAX CABLE VERTICAL LENGTH.

*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND REMOVING. FOR ADDITIONAL INFORMATION, CONTACT THE PUBLISHED TRUSS MANUFACTURER. TRUSS COMPANY, 509 DUNDEN RD., SUITE 201, MADISON, WI 53719. ENTERPRISE 1, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED TO PERFORMING STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID JOINT.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERING, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING THE TRUSSES IN CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/Y/K) ASTM A653 GRADE 40/60 (W/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND FOLLOWED BY (C) SHALL BE THE DESIGNER'S POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2

REF	ASCE7-02-GABI015
DATE	04/15/05
DRWG	A11015EE0405
-ENG	

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

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

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

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.

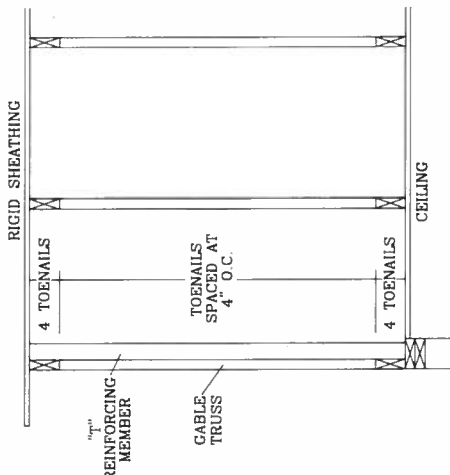
ATTACH EACH "L" BRACE WITH 10d NAILS.

* 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

SYM. $\mathbb{C}$
ABOUT



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

EXAMPLE: 2X4



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

WIND SPEED AND MPH	"H" 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 %

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT

GABLE VERTICAL = 24" O.C. SP #3

T REINFORCING MEMBER SIZE = 2X4

(1) 2V4 "1" BRACE LENGTH = 6' 3"

(1) $2\lambda^4$ L BRACE LENGTH = 8 / MAXIMUM "T" REINFORCED CABLE VERTICAL LENGTH

 $1.10 \times 6' 7'' = 7' 3''$

ATTACH EACH ^{29,30} 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 ASCENDING

OR SBCCI WIND LOAD.

ASCE 7-93 GABLE

A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103

A11030EN1103, A10030EN1103, A090

ASCE 7-98 GABLE DETAIL DRAWINGS

AI3015EC1103, AI2015EC1103, AI1015EC1103, A08515EC1103

A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103

ASCE 7-02 GABLE DETAIL DRAWINGS

AI3013EE0403, AI2013EE0403, AI1013EE0403, A08513EE0403, AI3030EE0405, AI2030EE0405, AI1030EE0405, A08530EE0405

SEE APPROPRIATE ALPINE CABLE DETAIL (ASCE OR SBCCI)

WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

WARRANTING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS-101 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE NATIONAL PLATE INSTITUTE, 583 DUNDORF DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS MANUFACTURING PRACTICES, PUBLISHED BY THE NATIONAL TRUSS MANUFACTURING INSTITUTE, 1000 W. ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED PERCHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEING.

***MATERIALS**. FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. AN FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING THE TRUSSES IN CONFORMANCE WITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN SPECIFICATION) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), INC.'S GRADES 60/60 & 60/60 K/H/S CALV. STEEL APPLIED TO EACH PLATE OF TRUSS. IF INSPECTION OF TRusses IS LIMITED TO THIS DESIGN, POSITION PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ANNEX A.3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TPI 1 - SEC. 2.

REF LET-IN VERT

DATE 04/14/05

DRWG GBLJETIN0405

-ENG DLI/KAR

MAX TOT. LD. 60 PSF

DUR.	FAC.	ANY
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
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14	14	14
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18	18	18
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96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

MAX SPACING	24.0"
MAX SPACING	24.0"



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

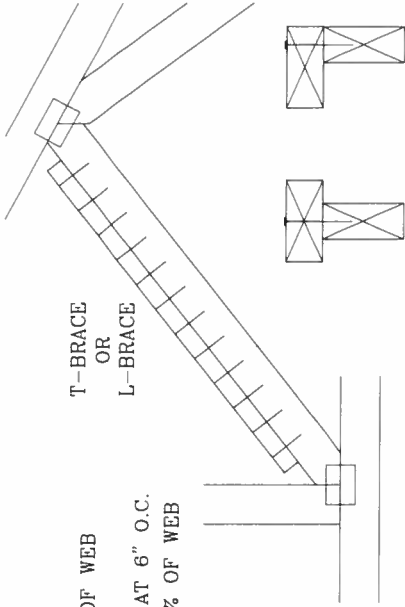
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

T-BRACING
OR
L-BRACING:

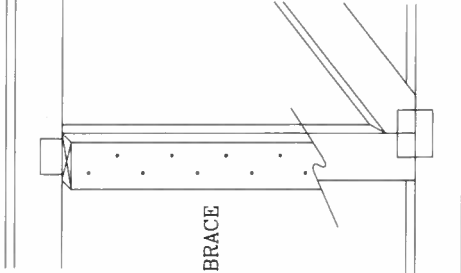
APPLY TO EITHER SIDE OF WEB
NARROW FACE
ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB
MEMBER LENGTH



T-BRACE
OR
L-BRACE

SCAB BRACING:

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



SCAB BRACE

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI CROSS LUMBER INSTITUTE, 583 DUNDAS DR., SUITE 200, HADISON, VT 53719, AND VITA (WOOD TRUSS COUNCIL) PUBLISHED BY TPI CROSS LUMBER INSTITUTE, 583 DUNDAS DR., SUITE 200, HADISON, VT 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR CHORDS, ALL TRUSS CHORDS SHALL BE PROPERLY ATTACHED TO STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERING 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.) AND AIA (ALPINE INSTITUTE). ALPINE ENGINEERING PRODUCTS, INC., SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATION, AND INSTALLATION OF TRUSSES UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWING 1600A-1 TO EACH INSPECTION. THE DESIGNER'S ACCEPTANCE OF THE TRUSS SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERING PRODUCTS, INC.
POMPANO BEACH, FLORIDA

THIS DRAWING REPLACES DRAWING 579,640

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRLBSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			