

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: ISTG215-Z0103145338

Truss Fabricator: W.B. Howland
Job Identification: 3084- / / -- , **
Truss Count: 51
Model Code: Standard Building Code
Truss Criteria: ANSI/TPI-1995(STD)
Engineering Software: Alpine Software, Version 7.20.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 55.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 100 MPH ASCE 7-98 -Closed

Notes:

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

Details: CNBRGBLK-BRCLBSUB



Seal Date: 01/03/2006

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

#	Ref	Description	Drawing#	Date
1	30051--A-1		05364017	12/30/05
2	30052--A-2		05364002	12/30/05
3	30053--A-3		06003008	01/03/06
4	30054--A-4		06003009	01/03/06
5	30055--H9A		05364001	12/30/05
6	30056--H10A		05364015	12/30/05
7	30057--HG11A		05364006	12/30/05
8	30058--H12A		05364016	12/30/05
9	30059--HG13A		05364008	12/30/05
10	30060--HG15A		05364009	12/30/05
11	30061--HG17A		05364010	12/30/05
12	30062--HG6A		06003026	01/03/06
13	30063--HG7A		06003027	01/03/06
14	30064--H18A		05364011	12/30/05
15	30065--H18B		06003010	01/03/06
16	30066--HG16A		06003011	01/03/06
17	30067--JC1		05364029	12/30/05
18	30068--JC1A		06003012	01/03/06
19	30069--JC1B		05364027	12/30/05
20	30070--JC1B		05364025	12/30/05
21	30071--JC3		05364026	12/30/05
22	30072--JC3B		05364019	12/30/05
23	30073--JC5		05364003	12/30/05
24	30074--JE4		05364028	12/30/05
25	30075--JE6		05364023	12/30/05
26	30076--JE6T		06003013	01/03/06
27	30077--JE7		05364004	12/30/05
28	30078--JH1		05364024	12/30/05
29	30079--JH2A		06003014	01/03/06
30	30080--JH4		06003015	01/03/06
31	30081--JH6		06003028	01/03/06
32	30082--JH8		06003016	01/03/06
33	30083--JH10		06003029	01/03/06
34	30084--M1		06003017	01/03/06
35	30085--M2		06003018	01/03/06
36	30086--MHG1		06003030	01/03/06

#	Ref	Description	Drawing#	Date
37	30087--MHG2		06003031	01/03/06
38	30088--MHG3		05364005	12/30/05
39	30089--MHG4		06003032	01/03/06
40	30090--S1		05364014	12/30/05
41	30091--S2		05364007	12/30/05
42	30092--S3		05364018	12/30/05
43	30093--S4		05364012	12/30/05
44	30094--S5		06003019	01/03/06
45	30095--S6		06003021	01/03/06
46	30096--S7		05364022	12/30/05
47	30097--S8		05364021	12/30/05
48	30098--S9		05364020	12/30/05
49	30099--S10		06003022	01/03/06
50	30100--S11		05364013	12/30/05
51	30102--SG2		06003023	01/03/06



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Page 1 of 1 Document ID:1STG215-Z0103145338

Truss Fabricator: W.B. Howland
Job Identification: 3084- / / -- , **
Truss Count: 2
Model Code: Standard Building Code
Truss Criteria: ANSI/TPI-1995(STD)
Engineering Software: Alpine Software, Version 7.20.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 55.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 100 MPH ASCE 7-98 -Closed

Notes:

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

Seal Date: 01/03/2006

-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	30094--S5		06003019	01/03/06
2	30098--S9		05364020	12/30/05



(3084- / / -- , ** - A 1)

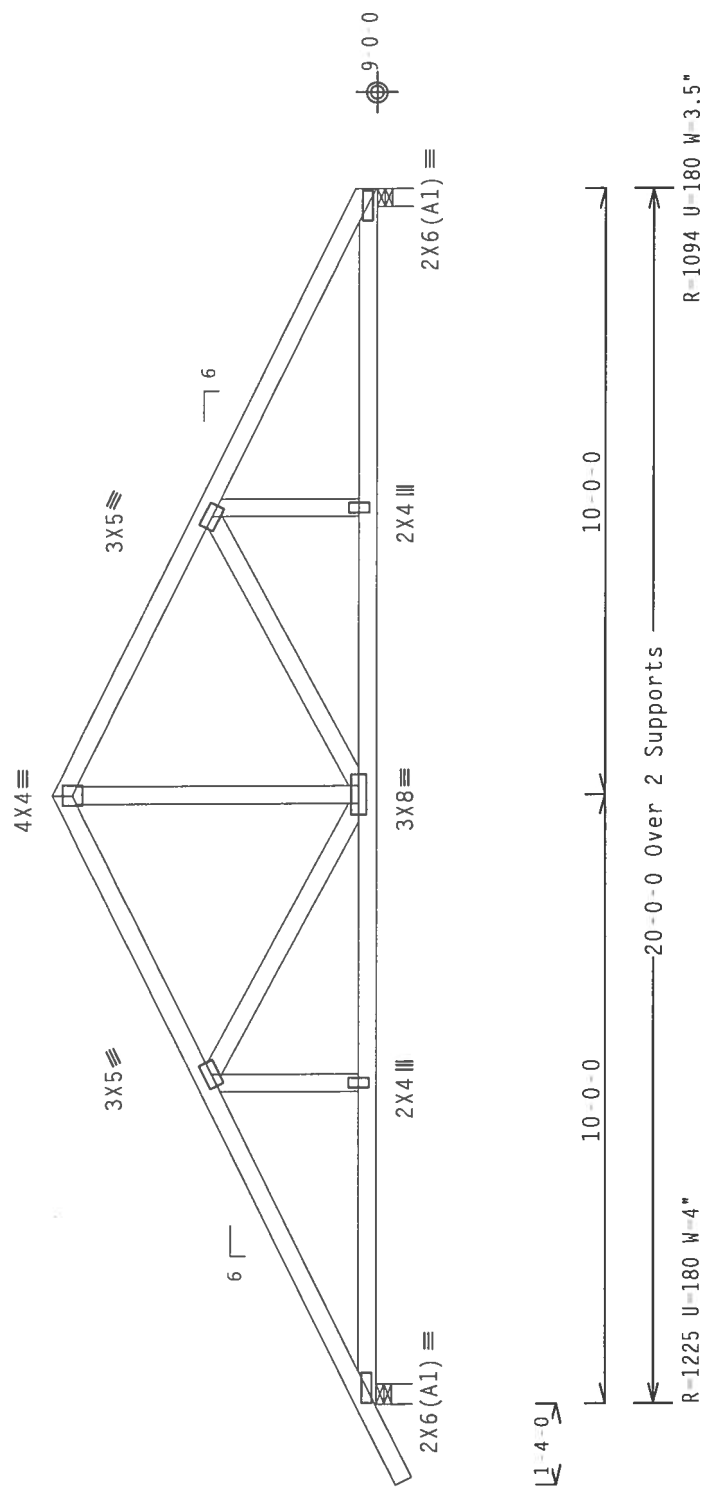
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

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

The overall height of this truss excluding overhang is 5 4 3.



L 1-4-0

PLT TYP. Wave TPI\R

Design Crit: TPI-1995 (STD)

7.20.0918

QTY: 2 FL / - / 5 / - / R / -

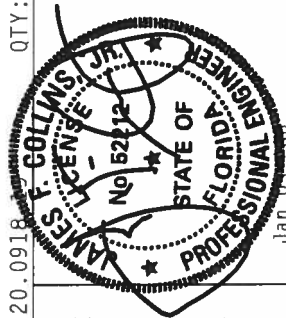
Scale = .3125" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 MADISON AVE, SUITE 100, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/166A (W/H/5/K) 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 T00A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DESIGN 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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Haines City, FL 33844
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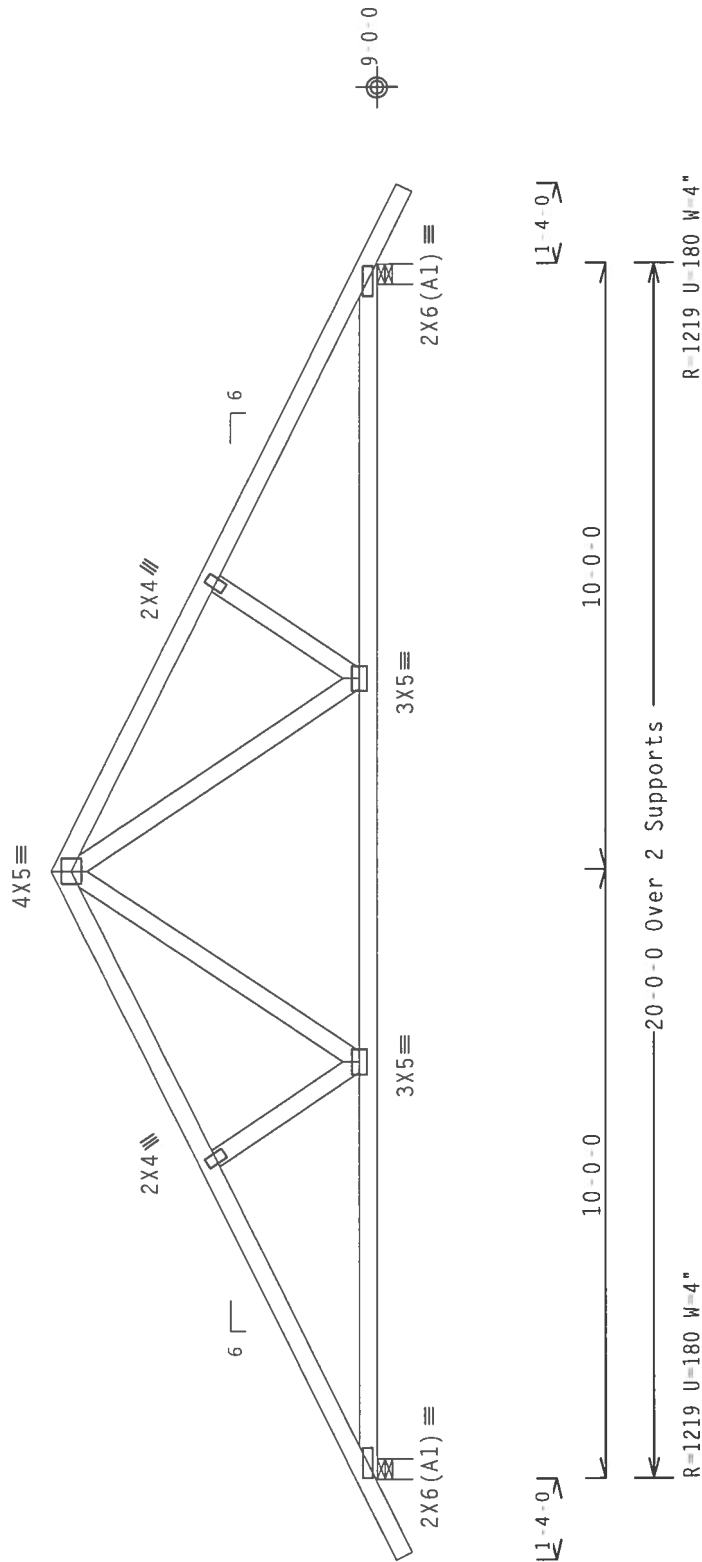
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TC DL	15.0 PSF	DATE	12/30/05	
BC DL	10.0 PSF	DRW	HCUSR215	05364017
BC LL	0.0 PSF	HC-ENG	RA/WHK	
TOT.LD.	55.0 PSF	SEQN	99347	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF	1STG215	Z01

100 mph wind, 15.00 ft mean hgt., ASCE 7 98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

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

The overall height of this truss excluding overhang is 5-4-3.



PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)

7.20.0918.19

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

Scale = .3125" / Ft.

****WARNING**** THUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THUSSES #1, #2, #3 (BUILT-UP COMPOSITE), TOP CHORD SHALL BE SUPPLIED BY THE FOLLOWING PLANT INSTITUTIONS: DUNFORD RD., SUITE 100, MADISON, WI 53719; AND VICTOR TRUSS FURNELL OF HADISON, MI 48031. THUSSES MUST BE IDENTIFIED, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LIGHT CEILING.

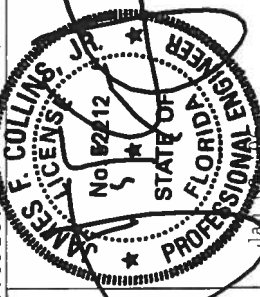
****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, ETC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; THESE CONDITIONS APPLY TO ALL FABRICATING, WELDING AND DESIGN SHOP. INSTALLED CONCRETE WALLS WITH APPLICABLE PROVISIONS FOR DESIGN SHOP. THESE CONNECTOR PLATES ARE MADE OF 20/18/16GA IN W/2X3/8 ASTM A453 GRADE 40/60 IN K/P. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF IPTL 2002 SECTION DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS BUILDING DESIGNER PER AMT/PIPL 1 SEC. 2.



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TC LL	30.0	PSF
TC DL	15.0	PSF
BC DL	10.0	PSF
BC LL	0.0	PSF
TOT. LD.	55.0	PSF
DUR. FAC.	1.25	
SPACING	24.0"	

REF	R215 -	30052
DATE	12/30/05	
DRW	HCUSR215	05364002
HC - ENG	RA/WHK	
SEQN -	99209	
FROM	LRB	
REF -	1STG215	701

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

Bearing blocks: Nail type: 0.131"x3" Gun nails
 BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
 2 35.66' 1 12" 4 Match Truss
 Bearing block to be same size and species as bottom chord.
 Refer to drawing CNBRGLK1103 for additional information.

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg. Located anywhere in roof, CAT I, EXP B, wind TC DL=7.5 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.

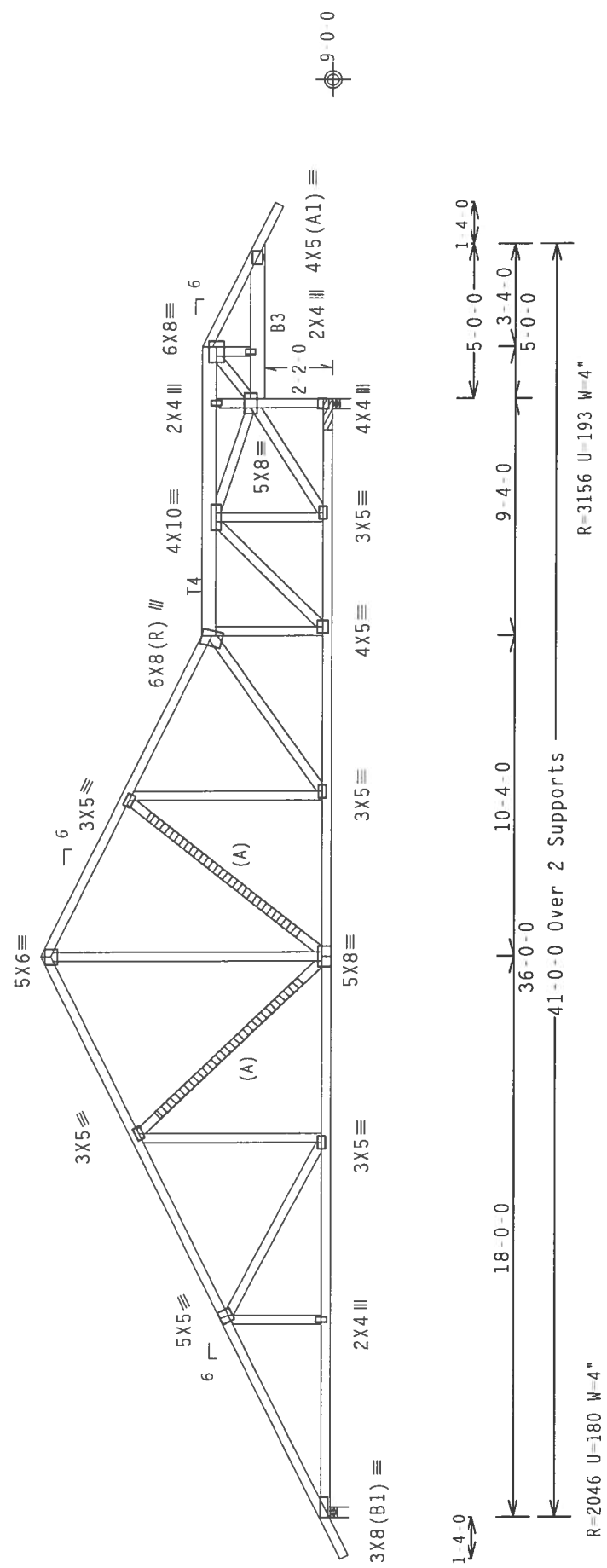
SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)			
TC	From	90 PLF at 1.33 to	90 PLF at 42.33
BC	From	4 PLF at 1.33 to	4 PLF at 0.00
BC	From	20 PLF at 0.00 to	20 PLF at 41.00
BC	From	4 PLF at 41.00 to	4 PLF at 42.33
TC		102 LB Conc. Load at	36.06
TC		255 LB Conc. Load at	37.67
BC		28 LB Conc. Load at	36.06
BC		69 LB Conc. Load at	37.67

(A) scab brace. 80% length of web member. Same size, species & grade or better. Attach with 10d Box or Gun (0.128"x3", min.) nails @ 6" OC.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

The overall height of this truss excluding overhang is 9-4-3.



PLT TYP. Wave TPI\R

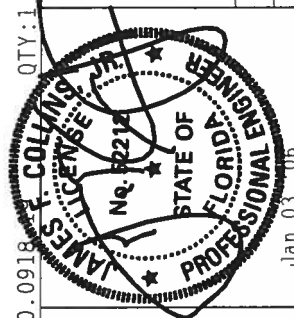
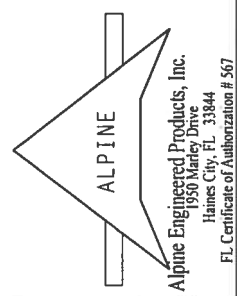
Design Crit: TPI-1995(STD)

Design Crit: TPI-1995(STD)

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BOST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI PLASTIC PLATE INSTITUTE, 563 D'ONOFIO DR., SUITE 200, MADISON, WI 53719; AND NCA (NORTH RUSS 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.

7.

*****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 COMPLIES WITH APPLICATIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/MS) AND TPI. ALPINE TRUSS COMPANY, 20018 W. 24TH AVE., SUITE 100, ASTH ASTH GRADE, STEVENSON (W. 47/155) GALV. STEEL. PLATES TO FACE OF TRUSS. UNLESS SPECIFIED OTHERWISE, ALL DIMENSIONS ARE IN INCHES PER TRUSS. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1). SHALL BE PER ANNEK 4 OF TPI-2002 SEC. 3. SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE BUILDING INDUSTRY SHOWS THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNUAL/TPI 1 SEC. 2.



FL / - / 5 / - / - / R / -		Scale = .1875" / Ft.	
TC LL	30.0 PSF	REF	R215 - - 30053
TC DL	15.0 PSF	DATE	01/03/06
BC DL	10.0 PSF	DRW	HCUSR215 06003008
BC LL	0.0 PSF	HC-ENG	RA/DLJ
TOT.LD.	55.0 PSF	SEQN-	167175
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1STG215 Z01

100 mph wind, 15.00 ft mean hgt., ASCE 7-98, CLOSED bldg., not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

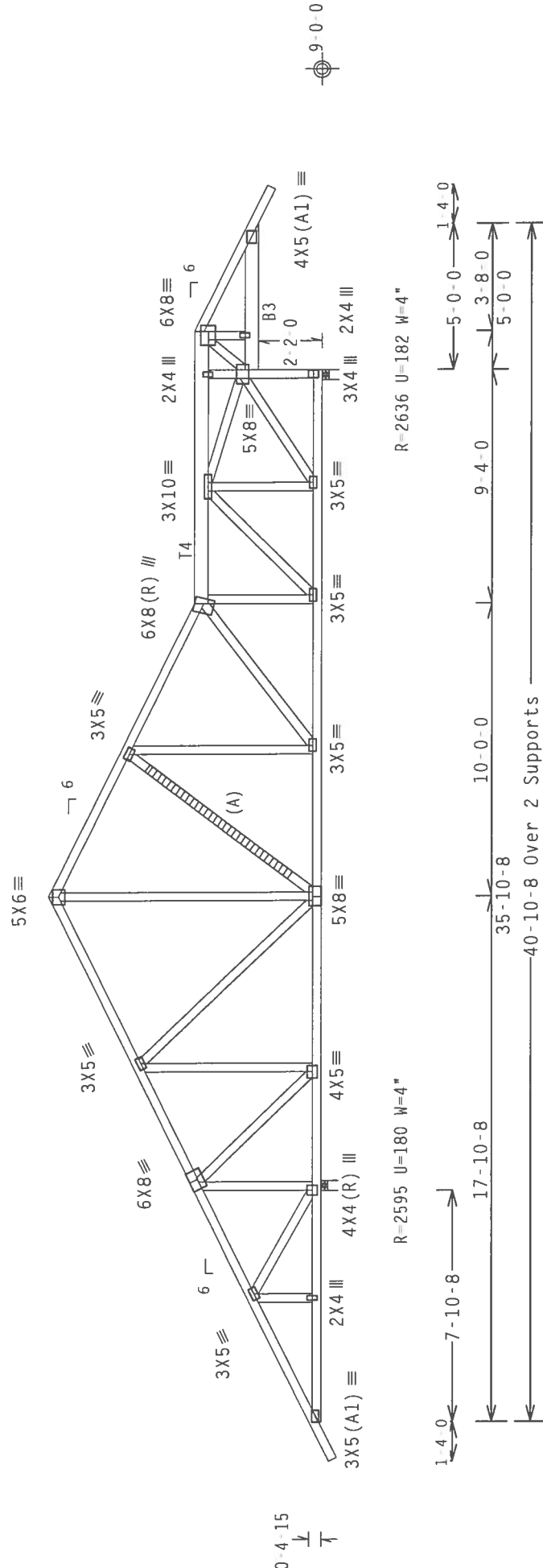
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

SPECIAL LOADS

	(LUMBER	DUR.FAC.=1.25 /	PLATE	DUR.FAC.=1.25)
TC -	90 PLF at	1.33 to	90 PLF at	42.21
BC -	From	1.33 to	4 PLF at	0.00
BC -	From	20 PLF at	0.00 to	20 PLF at 40.88
BC -	From	4 PLF at	40.88 to	4 PLF at 42.21
TC -	161 LB Conc.	Load at	37.30	
BC -	152 LB Conc.	Load at	35.94,	
BC -	32 LB Conc.	Load at	37.30	37.19

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.



Note: All Plates Are 3X5 Except As Shown.

PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)

7.20.0918

Scale = .1875"/Ft.

****WARNING**** THISES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING TO PREVENT POSSIBLE COLLAPSE OF THE CHORD PLATE. THESE PLATES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. CONTACT THE MANUFACTURER IMMEDIATELY IF THERE IS A PROBLEM WITH THESE CHORDS OR CHORD PLATES. 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.

[illegible]

TC LL	30.0 PSF	REF R215 -	30054
TC DL	15.0 PSF	DATE	01/03/06
BC DL	10.0 PSF	DRW	HCUSR215 06003009
BC LL	0.0 PSF	HC-ENG RA/DLJ	
TOT.LD.	55.0 PSF	SEQN-	167210
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1STG215 Z01

Haines City, FL 33844
FL Certificate of Authorization # 567

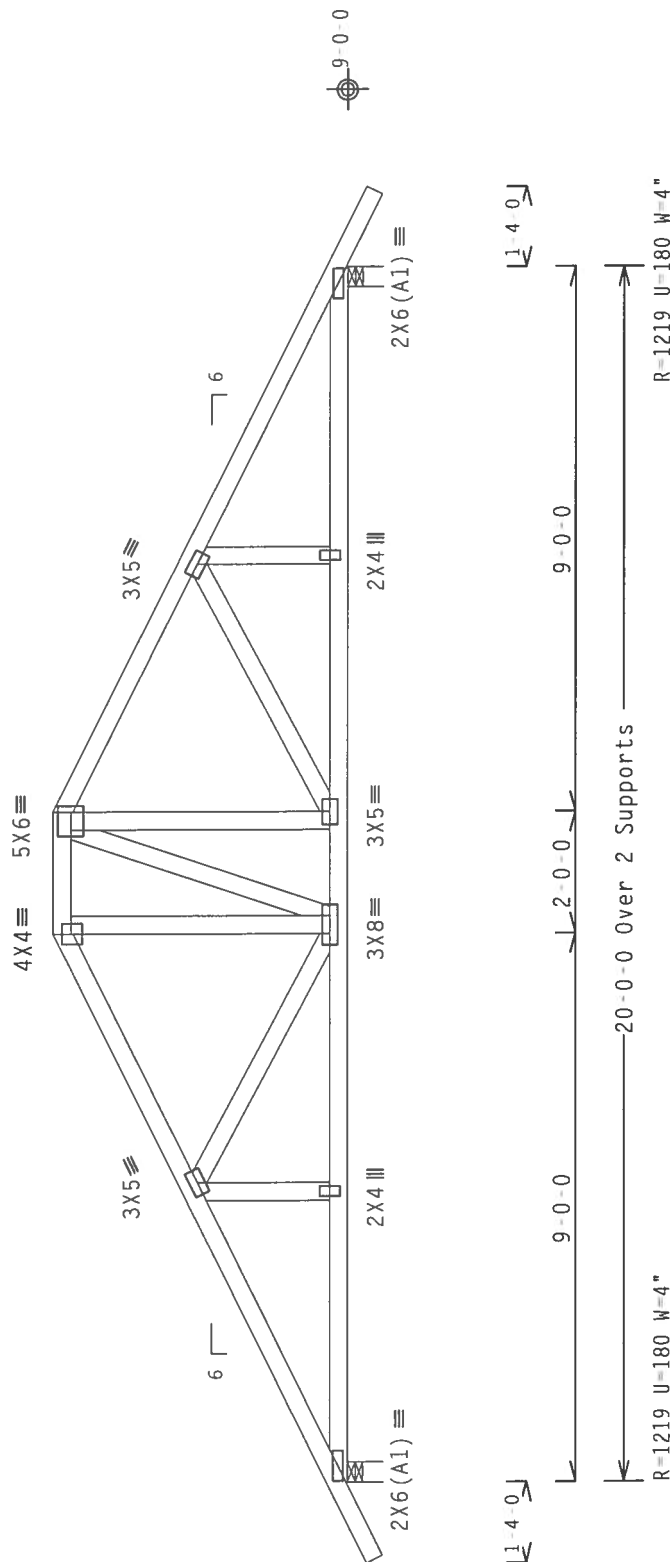
100 mph wind, 15.00 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

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



PLT TYP. Wave TPI\R

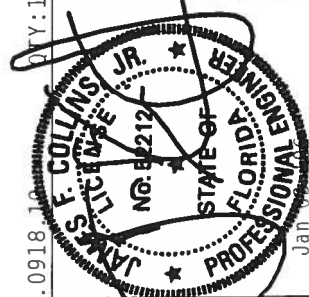
Design Crit: TPI - 1995 (STD)

7.20.0918.12

QTY:1 FL/-15/-1-1R/-

Scale = .3125"/Ft.

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TC DL	15.0 PSF	DATE	12/30/05	
BC DL	10.0 PSF	DRW	HCUSR215	05364001
BC LL	0.0 PSF	HC-ENG	RA/WHK	
TOT.LD.	55.0 PSF	SEQN-	99208	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1STG215	Z01



*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS 1-03 (BUILDING CONSTRUCTION SAFETY INFORMATION), PRINTED BY IPT (TRUSS) INSTITUTE, 363 W. WASHINGTON, WY 83413, FOR COMPLETE INSTRUCTIONS ON FABRICATING, HANDLING, SHIPPING, UNLOADING, AND ERECTING TRUSSES. MADISON, WY 83413. FOR SAFETY PRACTICES PRIOR TO OPERATING THESE TRUSSES, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED TOP CHORD SHEATHING.

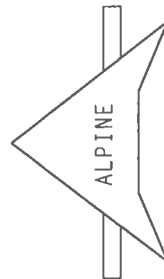
****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS COMPONENTS IN ACCORDANCE WITH THE DRAWING, INSTALLATION OR THE TRUSS DESIGN SPECIFICATION, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE TRUSS DESIGN SPECIFICATION, PERMANENTLY ATTACHED TO THE TRUSS DRAWING, PROVIDES THE FOLLOWING INFORMATION:

DESIGN CONFORMANCE WITH APPLICABLE CODES: PERMANENTLY ATTACHED TO THE TRUSS DRAWING, PROVIDES THE FOLLOWING INFORMATION:

CONNECTION PLATES ARE MADE OF 20/10/16GA (4 W/5/3/8) ASTM A563 GRADE 40/60 (14 K/15) GALV. STEEL, APPLIED TO EACH PLATE, UNLESS OTHERWISE LOCATED ON THE DESIGN. POSITION PER DRAWINGS, LEGA. 2.

PLATES TO EACH JOINT OF TRUSS, AND UNLESS OTHERWISE LOCATED ON THE DESIGN. POSITION PER DRAWINGS, LEGA. 2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IPT1-2002 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/PTI 1 SEC. 2.



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Haines City, FL 33844

Haines City, FL 33844
FL Certificate of Authorization # 567

Top chord 2x4 SP #2 N : T3 2x4 SP #2 Dense:

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

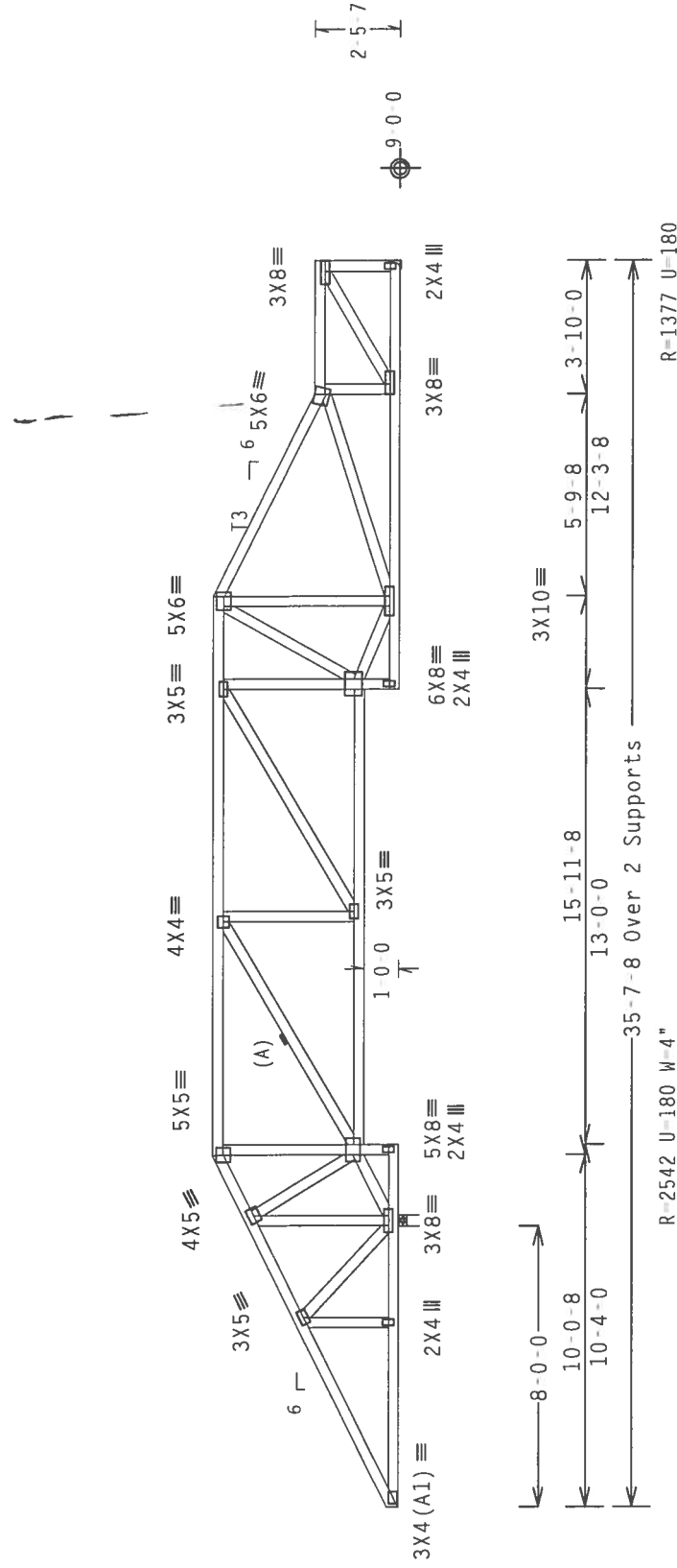
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

The overall height of this truss excluding overhang is 5-4-3.



PLT TYP. Wave TPI\R

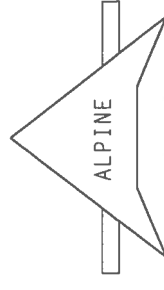
Design Crit: TPI-1995(STD)

QTY:1 FL/-15/-1-R/-

Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION. HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO RCS1 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPTI (TRUSS PLATE INSTITUTE, 503 MADISON, ST., SUITE 200, MADISON, WI 53719), AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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. ALPHE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IPTI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.) CONNECTION PLATES ARE MADE OF 2010/100K (4-11/16"X5") ASTM A553 GRADE 40/60 (W. 47M/53) GALV. STEEL. APPLY AN INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PERFORMED AT IPTI FOR EACH SECTION PER DRAWINGS. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SAFETY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/IPTI 1 SEC. 2.



Alpine Engineered Products, Inc.

1950 Marley Drive
Haines City, FL 33844

El Certificate of Authorization # 567

TC LL	30.0 PSF	REF	R215 -- 30056
TC DL	15.0 PSF	DATE	12/30/05
BC DL	10.0 PSF	DRW	HCUSR215 05364015
BC LL	0.0 PSF	HC-ENG	RA/WHK
TOT.LD.	55.0 PSF	SEQN-	99311
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1STG215 Z01

(3084 / / -- ** - HG11A)

Top chord 2x4 SP #2 N : T2 2x4 SP SS:
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

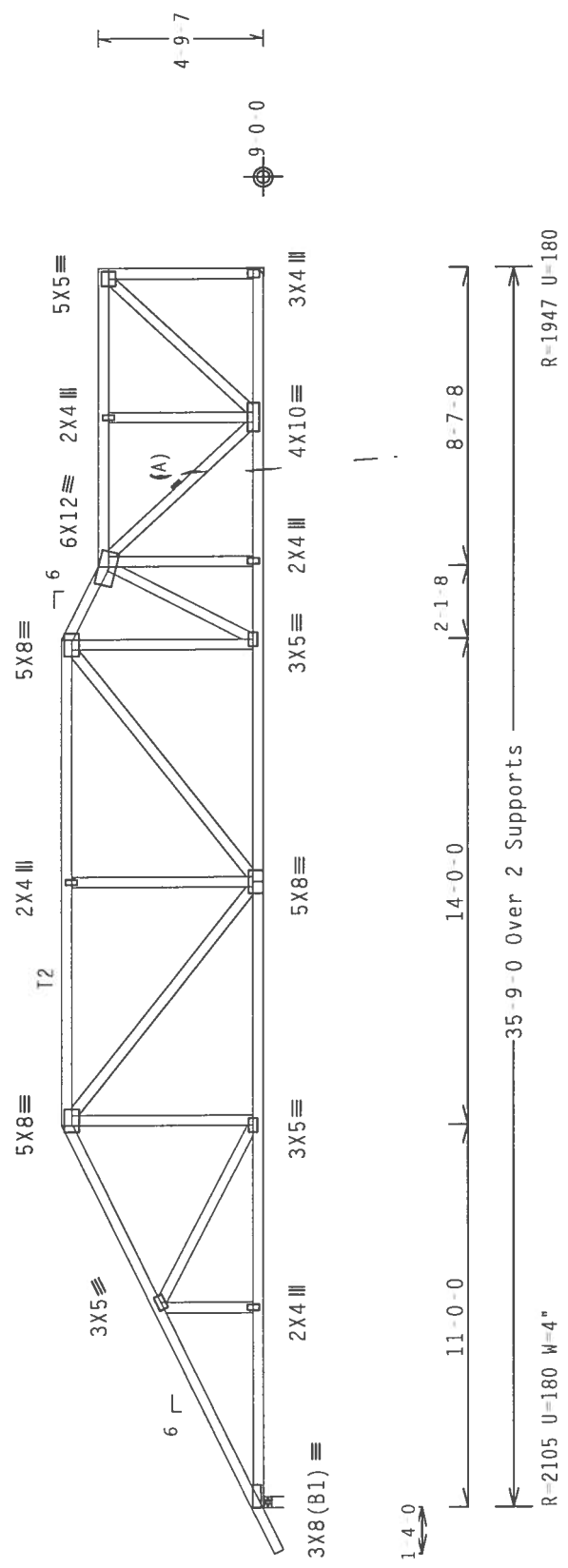
Right end vertical not exposed to wind pressure.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

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

The overall height of this truss excluding overhang is 5-10-3.



PLT TYP. Wave TPI/R

Design Crit: TPI-1995 (STD)

7.20.0918

FL/-5/-R/-

Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNWORTH DR., SUITE 200, PADUOSIA, IL 60070) AND AISC (WOOD TRUSS CONNECTIONS, 1100 N. GREEN POND RD., GREENWOOD VILLAGE, CO 80037) FOR ADDITIONAL INFORMATION. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W. H/5/8) 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 160A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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

FL Certificate of Authorization # 567

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 52212
JAN 03 '06

REF	R215	30057
DATE	12/30/05	
DRW	HCUSR215	05364006
HC-ENG	RA/WHK	
SEQN	99239	
FROM	LRB	
JREF	1STG215_Z01	

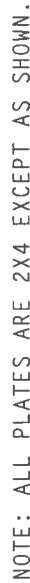
100 mph wind, 15.00 ft mean hgt., ASCE 7 98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

The overall height of this truss excluding overhang is 6'4"3.

SEE DWGS TCFILLER1103 AND BCFILLER1103 FOR FILLER DETAILS. LATALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C. INCLUDING A LATERAL BRACE AT CHORD ENDS.



PLT_TYP: Wave TPI\R

Design Crit: TPI-1995(STD)

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

Scale = .1875"/Ft.

TC LL	30.0 PSF	REF	R215--	30058
TC DL	15.0 PSF	DATE	12/30/05	
BC DL	10.0 PSF	DRW	HCUSR215	05364016
BC LL	0.0 PSF	HC-ENG	RA/WHK	
TOT.LD.	55.0 PSF	SEQN-	99303	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1STGT215_Z01	



Alpine Engineered Products, Inc.

1950 Marley Drive
Haines City, FL 33844

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

(3084 / / - - , ** - HG13A)

Top chord 2x4 SP SS :T2 2x4 SP #2 N:
:T4 2x4 SP #2 Dense:
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind
BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

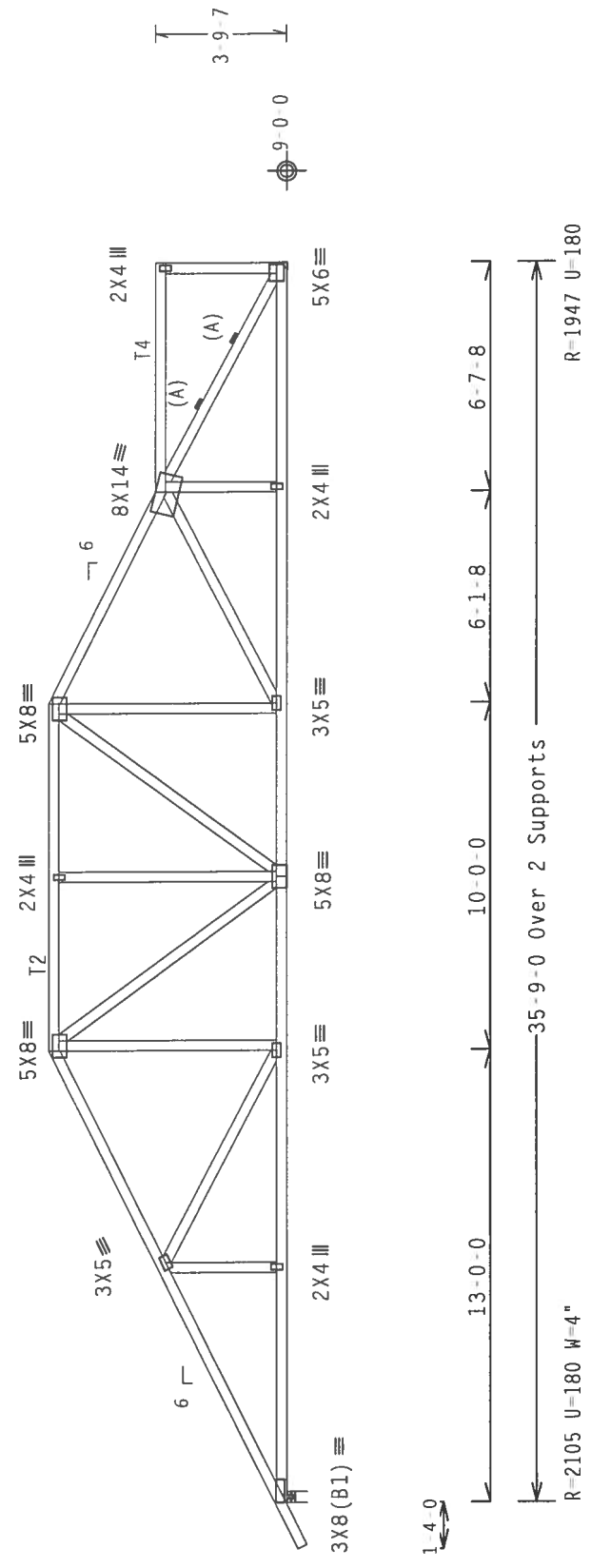
In lieu of structural panels use purlins to brace all flat TC @ 24"
OC.

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

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load. Creep increase factor
for dead load is 2.00.

The overall height of this truss excluding overhang is 6'10"-3."



PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)

Scale = .1875"/Ft.

TC LL	30.0 PSF	REF	R215 - -	30059
TC DL	15.0 PSF	DATE	12/30/05	
BC DL	10.0 PSF	DRW	HCUSR215	05364008
BC LL	0.0 PSF	HC-ENG	RA/WHK	
TOT.LD.	55.0 PSF	SEQN	99240	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF	1STG215	Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'AMORE DR., SUITE 200, MADISON, WI 53719), AND MECA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS 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 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. BY AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W-11/5/E) 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 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.
1950 Valley Drive
Haines City, FL 33844
FL Certificate of Authorization # 367

(3084 / / - - , ** - HG15A)

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

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

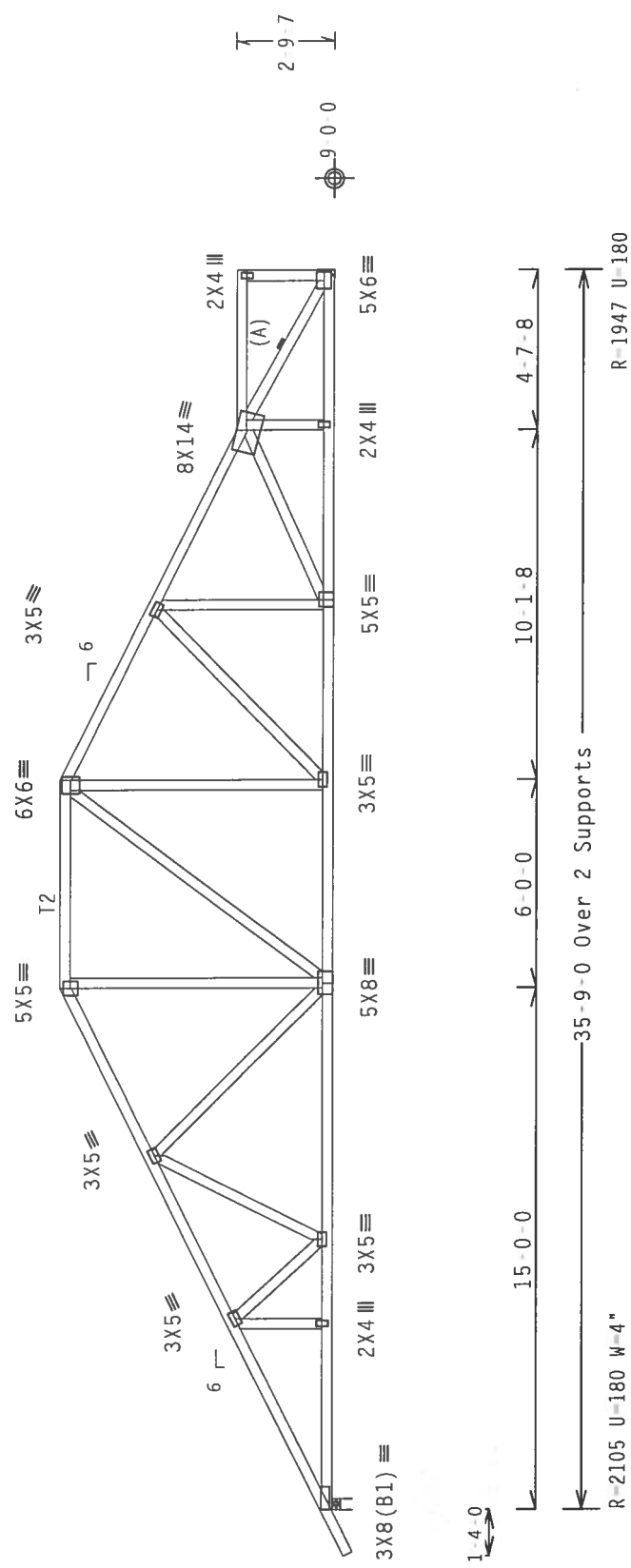
Right end vertical not exposed to wind pressure.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

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

The overall height of this truss excluding overhang is 7-10-3.



PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)

7.20.0918.18

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

Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE USER MUST OBTAIN THE BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 563 O'CONNOR ST., 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 AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (4.4/5/5) ASTM A563 GRADE 40/60 (4.4/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX TPI 1 SEC. 2.



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



LES F. COLLINS, JR.
No. 5212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 09

TC LL	30.0 PSF	REF	R215--	30060
TC DL	15.0 PSF	DATE	12/30/05	
BC DL	10.0 PSF	DRW	HCUSR215	05364009
BC LL	0.0 PSF	HC-ENG	RA/WHK	
TOT.LD.	55.0 PSF	SEQN-	99241	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1STG215_Z01	

(3084- / / --, ** -- HG17A)

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

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

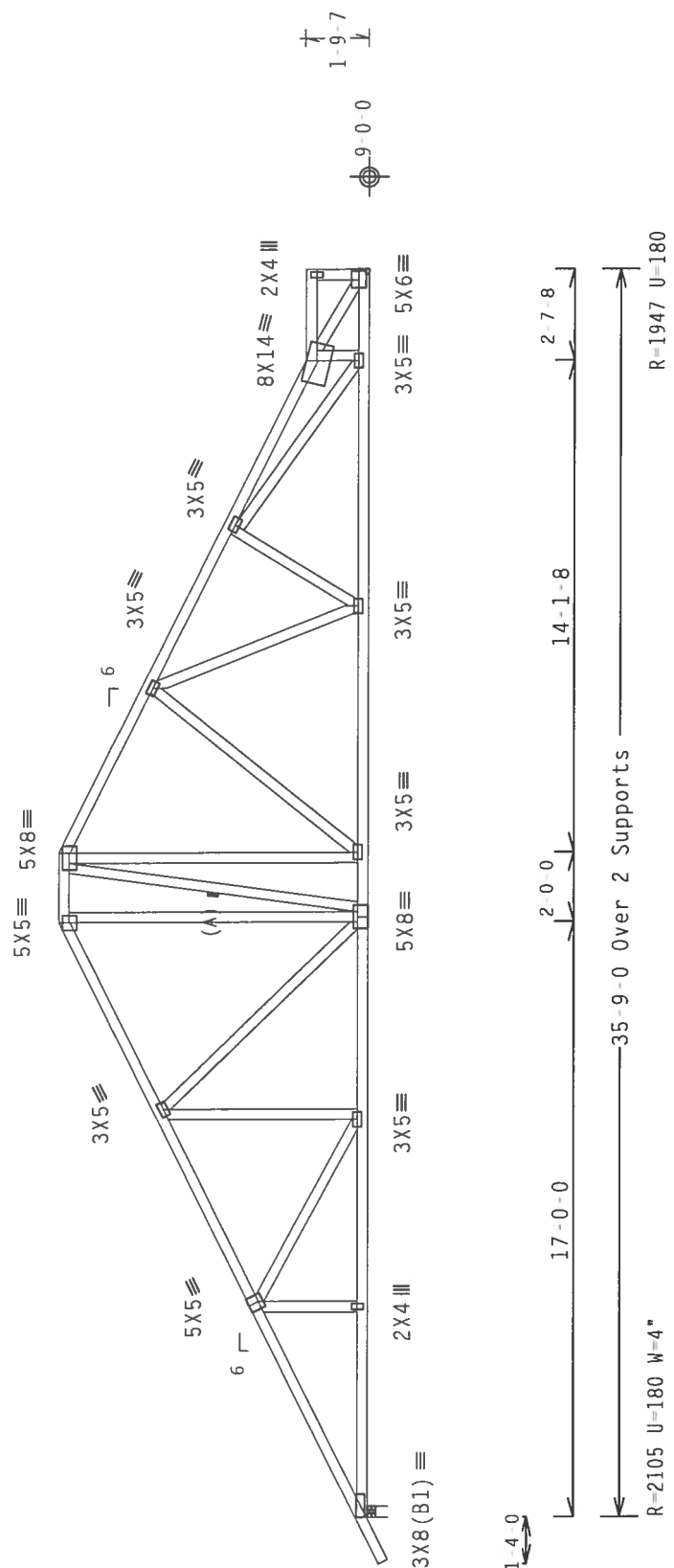
(A) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

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

The overall height of this truss excluding overhang is 8-10 3.



PLT TYP. Wave TPI/R

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

Design Crit: TPI-1995 (STD)

7.20.0918

QTY: 1

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

Scale = .1875" / 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, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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REF	R215 - -	30061
DATE	12/30/05	
DRW	HCUSR215	05364010
HC - ENG	RA / WHK	
SEQN -	99242	
FROM	LRB	
JREF -	1STG215	Z01

Top chord 2x4 SP #2 N :T2 2x6 SP SS: :T3 2x6 SP #2 N:
Bot chord 2x6 SP #2 N :B3 2x6 SP SS:
Webs 2x4 SP #2 N

Bearing blocks: Nail type: 0.131"x3" Gun nails
 1 8,000' 1 12" 15 Match Truss
 #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
 X LOC

Bearing block to be same size and species as bottom chord.
 Refer to drawing CWRBGLK1103 for additional information.

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

Left side jacks have 6-0-0 setback with 8-0-0 cant and 1-4-0 overhang.
End jacks have 6-0-0 setback with 0-0-0 cant and 1-4-0 overhang. Right
side jacks have 0-7-8 setback with 0-0-0 cant and 0-0-0 overhang.

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 @ 3'-00" o.c.
 Bot Chord: 1 Row @ 10'-75" o.c.
 Webs : 1 Row @ 4" o.c.
 Use equal spacing between rows and stagger nails
 in each row to avoid splitting.

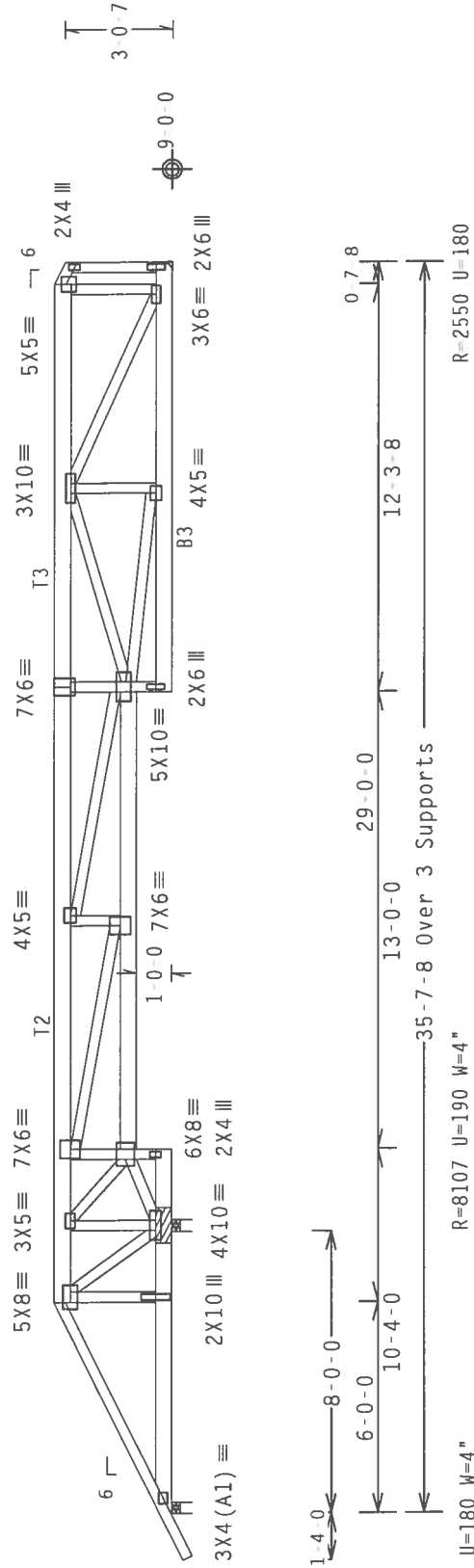
100 mph wind, 15.00 ft mean ht, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

#1 hip supports 6-0-0 jacks at left end and 0-7-8 jacks at right end. Jacks have 2 panel TC and no end vertical.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

The overall height of this truss excluding overhang is 34.3.



R=0 U=180 W=4"
FOR LATERAL SUPPORT ONLY

PLT TYP. Wave TPI\R



ALPINE

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

FI Certificate of Authorization # 567

Design Crit: TPI-1995(STD)

7.20.0918.18

QTY:1 FL:5 /-R/-

Scale = .1875"/Ft.

REF R215 - 30062

DATE 01/03/06

DRW HCUSR215 06003026

HC-ENG RA/DLJ

SEQN - 99329

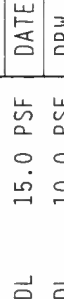
FROM LRB

JREF - 1STG215 Z01

****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 0-000R10 DR., SUITE 200, MADISON, WI 53719) AND HICA (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 THIS DESIGN, OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES DOES NOT CONSTITUTE WITH GUARANTEE PROVIDING ANY GUARANTEE. ACCEPTANCE OF THE TRUSS SHALL BE THE RESPONSIBILITY OF THE TRUSS CONTRACTOR. TRUSSES ARE MADE OF 20/18/16GA IN W/5/03 ASTM A653 GRADE 40/60 (W/ K/IN 51 GALV) STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMHX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	30.0	PSF
TC DL	15.0	PSF
BC DL	10.0	PSF
BC LL	0.0	PSF
TOT. LD.	55.0	PSF
DUR. FAC.	1.25	
SPACING	24.0"	



James F. Collins
No. 57212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Jan 09

(3084 / / - - - - - ** - - - - - HG7A)

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

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0
psf.

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

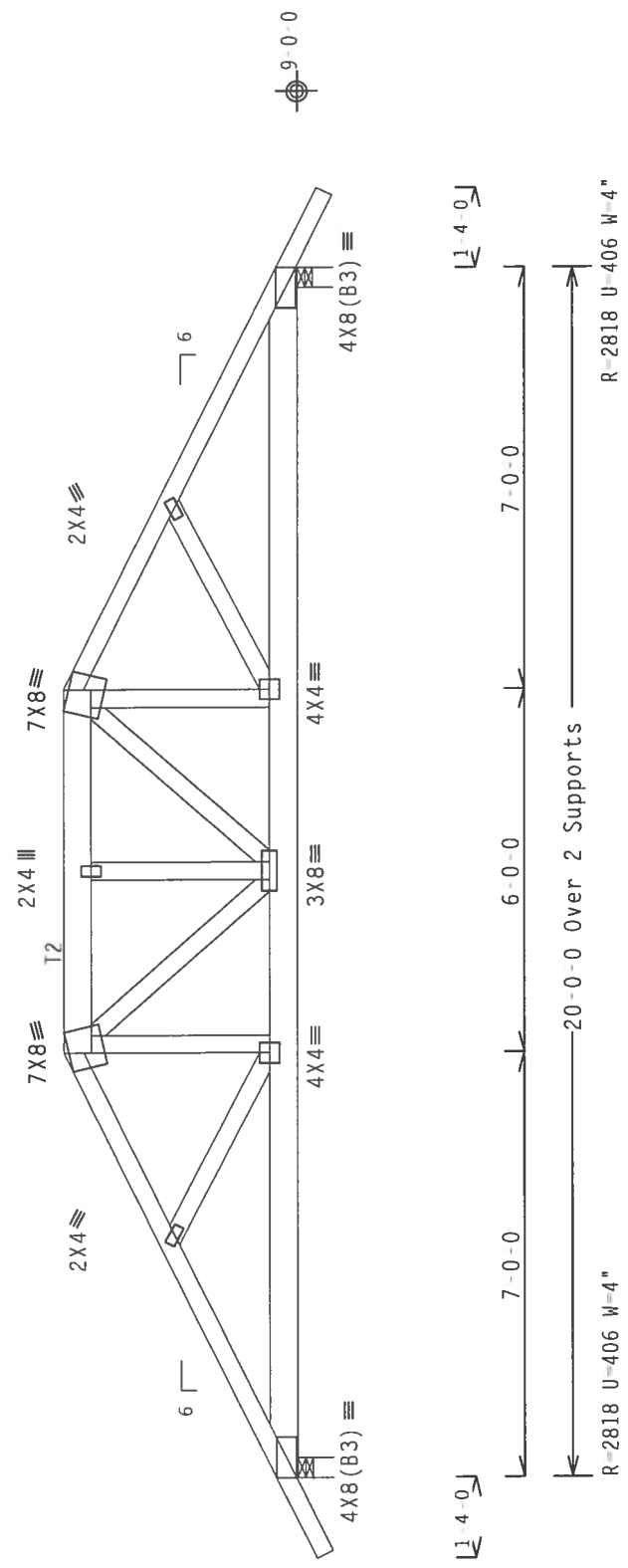
Deflection meets L/360 live and L/240 total load. Creep increase factor
for dead load is 2.00.

SPECIAL LOADS

TC	From	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
BC	From	90 PLF at 1.33 to 90 PLF at 21.33
BC	From	4 PLF at 1.33 to 4 PLF at 0.00
BC	From	20 PLF at 0.00 to 20 PLF at 20.00
BC	From	4 PLF at 20.00 to 4 PLF at 21.33
TC	From	270 LB Conc. Load at 7.06, 9.06, 10.94, 12.94
BC	From	976 LB Conc. Load at 7.00, 13.00
BC	From	82 LB Conc. Load at 9.06, 10.94

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

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



PLT TYP. Wave TPI/R

Design Crit: TPI-1995(STD)

7.20.0918

FL/-5/-R/-

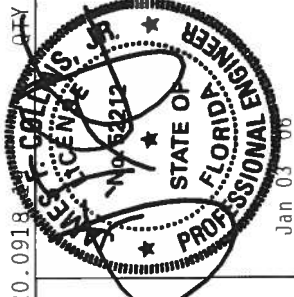
Scale = .3125"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THIS DESIGN. ANY FAILURE OR DAMAGE TO THE TRUSS OR TO THE BUILDING SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W-H/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 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



ALAN J. COLLINS
No. 63212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 03 '08

TC LL	30.0 PSF	REF	R215 - -	30063
TC DL	15.0 PSF	DATE	01/03/06	
BC DL	10.0 PSF	DRW	HCUSR215	06003027
BC LL	0.0 PSF	HC-ENG	RA/DLJ	
TOT.LD.	55.0 PSF	SEQN-	167111	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1STG215	Z01

(3084 / / - - - - - ** - H18A)

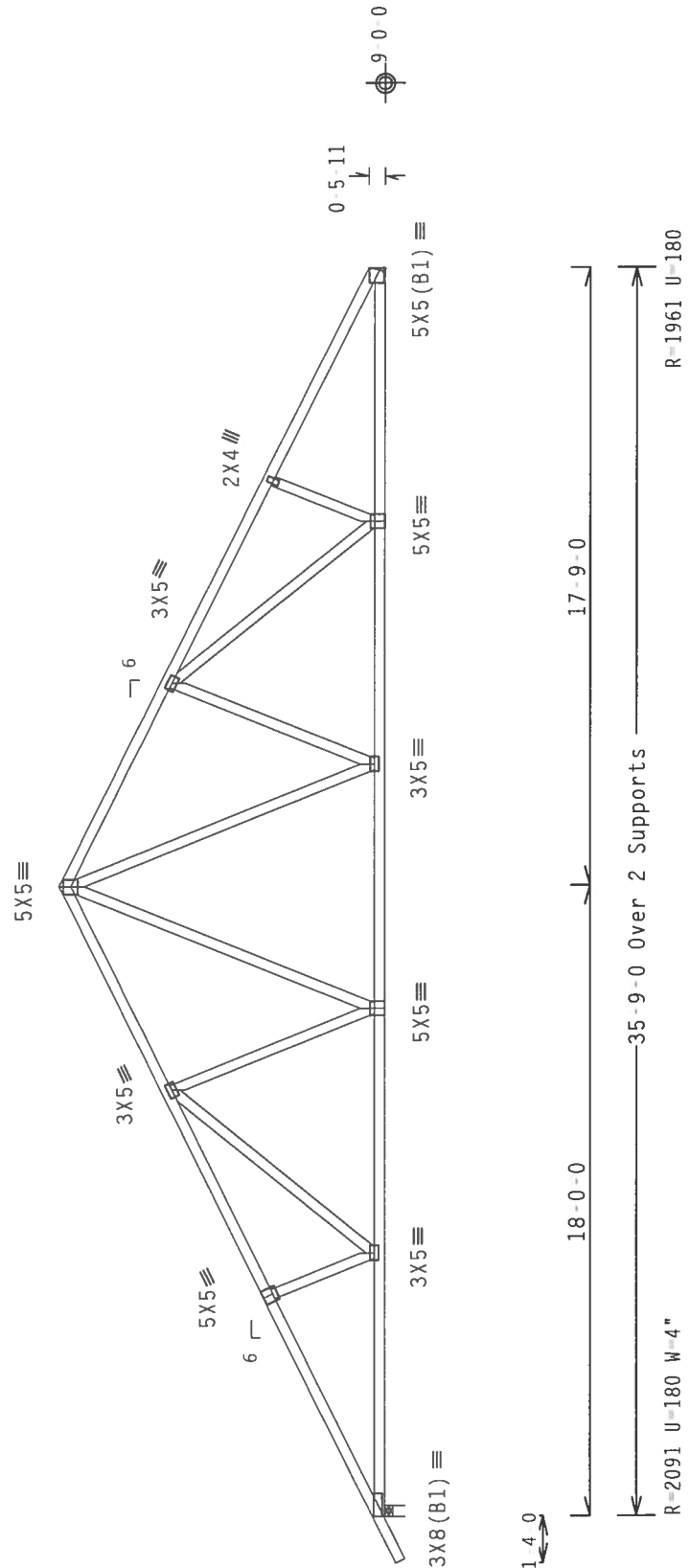
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind
BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor
for dead load is 2.00.

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

The overall height of this truss excluding overhang is 9' 4" 3/8."



PLT TYP. Wave TPI\|R

Design Crit: TPI-1995(STD)

7.20.0918.10

QTY:1

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

Scale = .1875" / Ft.

ALPINE

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

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), 543 D'ONOFRIO DR., 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 UNLESS A COPY OF THIS DESIGN IS TO THE INSTALLATION CONTRACTOR, PROVIDOR, INC. SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. TRUSSES IN CONFORMANCE WITH TPI-1995 (STD) OR TPI-1995 (STD) FOR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI-1995 (STD). CONNECTOR PLATES ARE MADE OF 2018/18/16GA (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 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.

TC LL	30.0 PSF	REF	R215 -	30064
TC DL	15.0 PSF	DATE	12/30/05	
BC DL	10.0 PSF	DRW	HCUSR215	05364011
BC LL	0.0 PSF	HC-ENG	RA/WHK	
TOT.LD.	55.0 PSF	SEQN	99213	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF	1STG215_Z01	

1100 mph wind, 15.00 ft mean hgt, ASCE 7 98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

(A) scab brace. 80% length of web member. Same size, species & grade or better. Attach with 10d Box or Gun (0.128"x3",min.)nails @6" OC.

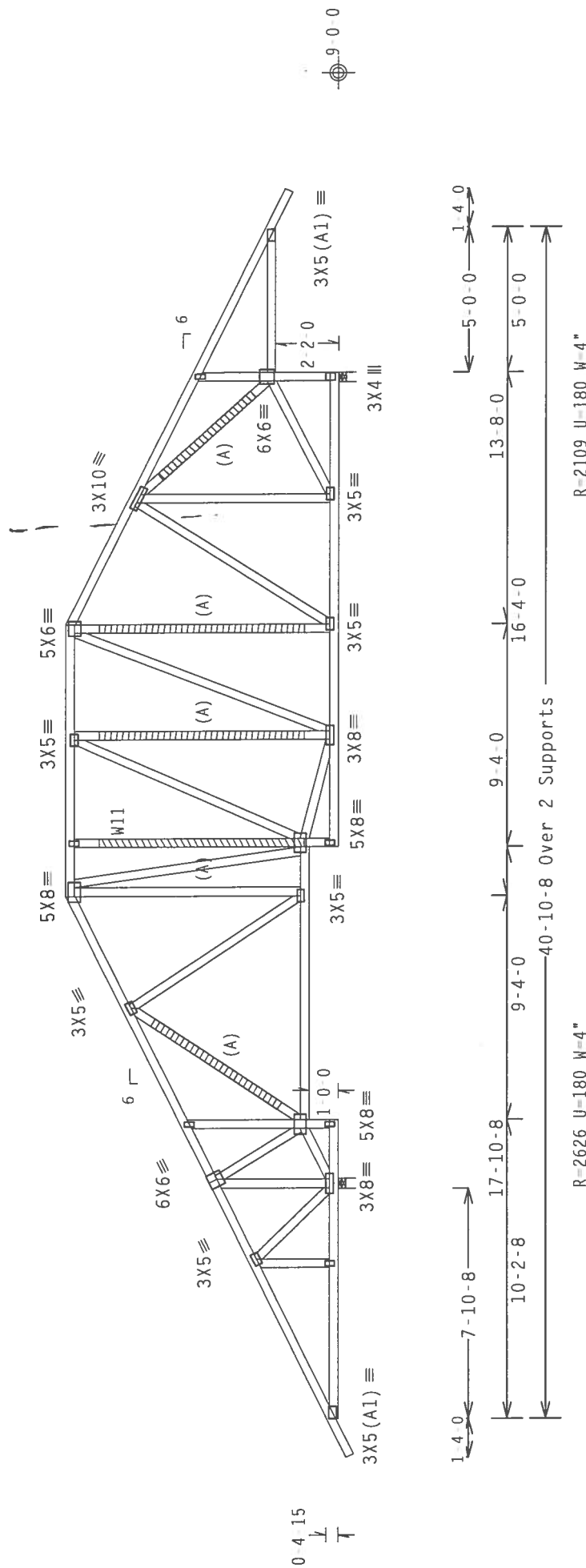
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

NOTE: MAY EXHIBIT UNDESIRABLE DEFLECTION UNDER FULL DESIGN LOAD, AS THE LONG TERM EFFECTS OF CREEP HAVE NOT BEEN CONSIDERED FOR THIS DESIGN.

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 overall height of this truss excluding overhang is 9'4" 3.



No. 1. A 1-plate arg3x4 except as shown.

PLT TYP. Wave TPI\IR

Design Crit: TPI-1995(STD)

QTY:1 FL/-15/-1-1R/-

Scale = .1875"/Ft.

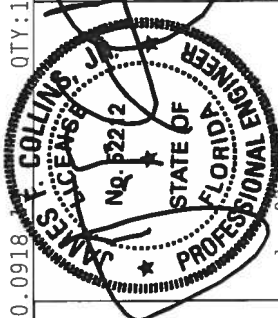
WARNING TRUSSES REQUIRE EXTENSIVE CARE IN THE FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. THE TRUSSES ARE DESIGNED TO BE USED IN CONJUNCTION WITH THE TRUSS COUNCIL OF AMERICA, 6300 CREEKVIEW BLVD., MADISON, WI 53719, FOR SAFETY PRACTICES 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., PROVIDES THESE RESPONSES IN CONNECTION WITH THE DESIGN OF BUILDING TRUSSES IN CONFORMANCE WITH THE FOLLOWING RESPONSIBILITIES:

1. ANY FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES BY THE INSTALLATION CONTRACTOR SHALL BE IN ACCORDANCE WITH THE NATIONAL DESIGN SPEC., BY AISC AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA. (W-PLATE) ASTM A663 GRADE 40/60 (W/ K-H-SI GALV. STEEL). PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THE BOTTOM SURFACE PER DRAWINGS 160A. 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPII 2002 SEC.3.

3. 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 I SEC. 2.

TC LL	30.0 PSF	REF R215-- 30065
TC DL	15.0 PSF	DATE 01/03/06
BC DL	10.0 PSF	DRW HCUSR215 06003010
BC LL	0.0 PSF	HC-ENG RA/DLJ
TOT.LD.	55.0 PSF	SEQN- 167149
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1STG215 Z01



(3084- / / - - , ** - HG16A)

Top chord 2x4 SP #2 N :T4 2x4 SP #2 Dense:
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(A) scab brace. 80% length of web member. Same size, species & grade or better. Attach with 10d Box or Gun (0.128"x3", min.) nails @ 6" OC.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

The overall height of this truss excluding overhang is 8-4 3/4.

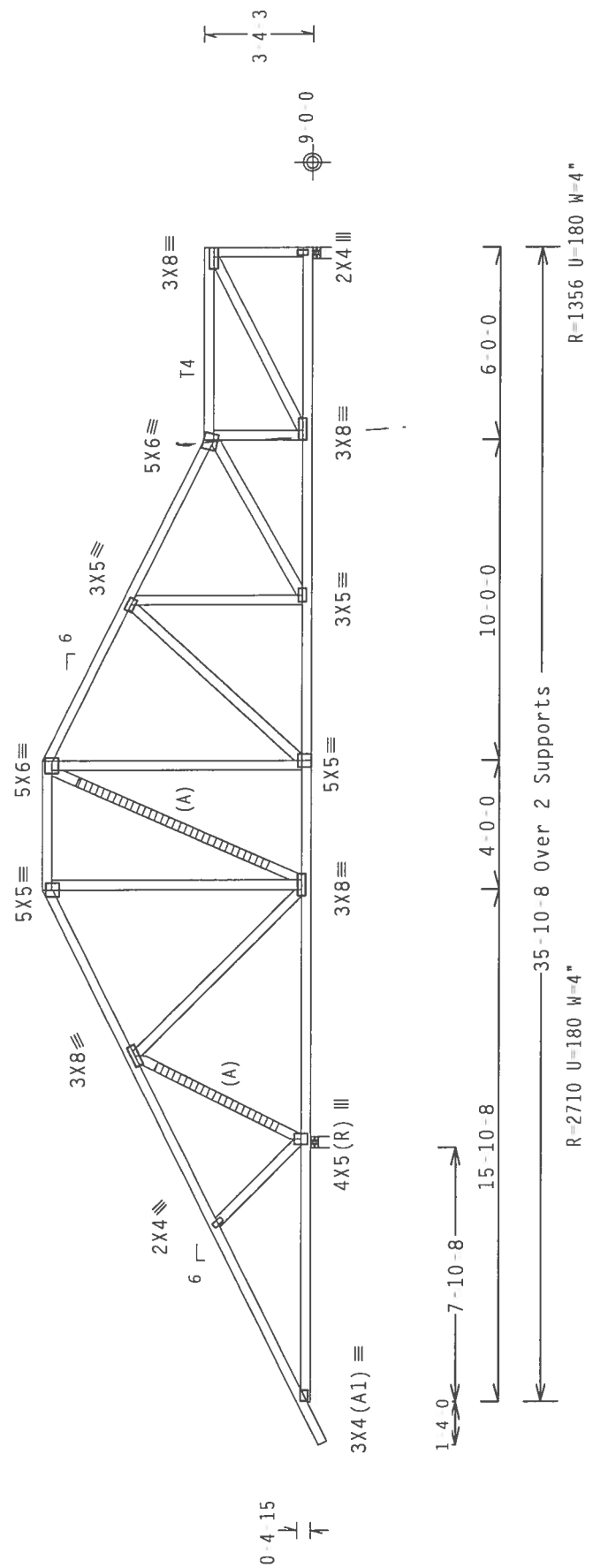
NOTE:
TRUSS MAY EXHIBIT UNDESIRABLE DEFLECTION UNDER FULL DESIGN LOAD, AS THE LONG TERM EFFECTS OF CREEP HAVE NOT BEEN CONSIDERED FOR THIS DESIGN.

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 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 TPI\R

Design Crit: TPI-1995(STD)

7.20.0918

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

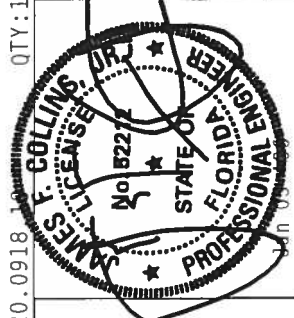
Scale = .1875"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 MADISON, WI 53219), FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 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 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER'S USE. THIS SEAL IS NOT VALID FOR ANY OTHER USE. THE SEAL IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.

ALPINE

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



TC LL	30.0 PSF	REF	R215 - -	30066
TC DL	15.0 PSF	DATE	01/03/06	
BC DL	10.0 PSF	DRW	HCUSR215	06003011
BC LL	0.0 PSF	HC-ENG	RA/DLJ	
TOT.LD.	55.0 PSF	SEQN-	167184	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1STG215_Z01	

(3084 - / / - - , ** - JC1)

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

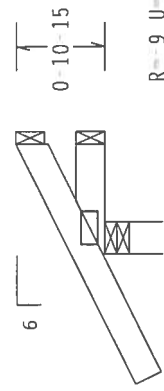
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

The overall height of this truss excluding overhang is 0 10 15.

100 mph wind, 15.00 ft mean htg, ASCE 7-98, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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

R=83 U=180



R=9 U=180

L=1-4-0

1-1-8 Over 3 Supports

R=335 U=180 W=4"

PLT TYP. Wave TPI/R

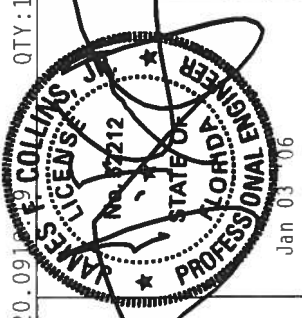
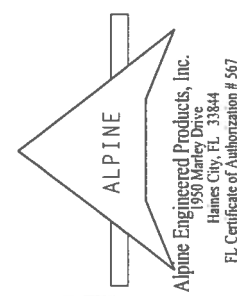
Design Crit: TPI-1995(STD)

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

Scale = .5" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'DONOHIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL CHORDS 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 ENGINEERING, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. ANY FAILURE TO INDICATE THE DESIGN OF THE TRUSS SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGN OF THE TRUSS SHALL BE IN CONFORMANCE WITH TPI (TRUSS PLATE INSTITUTE, 583 O'DONOHIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. *ALPINE ENGINEERING, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. ANY FAILURE TO INDICATE THE DESIGN OF THE TRUSS SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGN OF THE TRUSS SHALL BE IN CONFORMANCE WITH TPI (TRUSS PLATE INSTITUTE, 583 O'DONOHIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



TC LL	30.0 PSF	REF	R215 - - 30067
TC DL	15.0 PSF	DATE	12/30/05
BC DL	10.0 PSF	DRW	HCUSR215 05364029
BC LL	0.0 PSF	HC-ENG	RA/WHK
TOT.LD.	55.0 PSF	SEQN-	99207
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1STG215_Z01

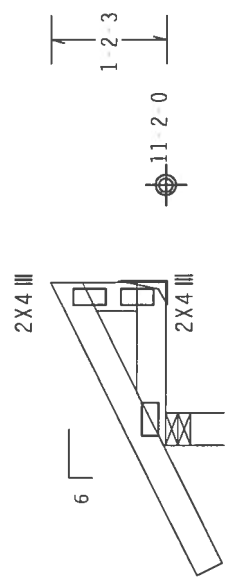
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

100 mph wind, 15.00 ft mean ht, ASCE 7-98, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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

The overall height of this truss excluding overhang is 1-2-3.



1-4-0
1-8-0 Over 2 Supports
R-311 U=180 W=4"

PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)

7.20.0918.18

QTY:1

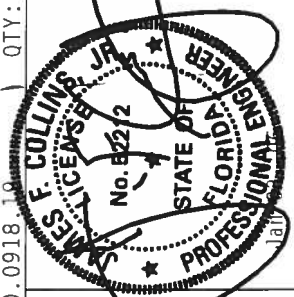
Scale = .5" / Ft.

TC LL	30.0 PSF	REF	R215 - -	30068
TC DL	15.0 PSF	DATE	01/03/06	
BC DL	10.0 PSF	DRW	HCUSR215	06003012
BC LL	0.0 PSF	HC-ENG	RA/DLJ	
TOT.LD.	55.0 PSF	SEQN-	167187	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1STG215	Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. AFTER RESISTANCE TO BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DIXIE DRIVE, 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 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 AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (4-N/57K) ASTM A653 GRADE 40/60 (4-N/57K) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX A3 OF TPI 1 SEC. 2.

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



(3084 / / - - , ** - JC1B)

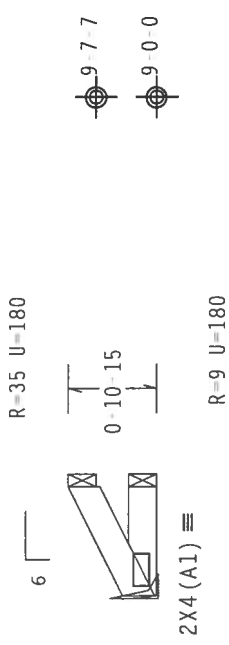
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

The overall height of this truss excluding overhang is 0-10-15.

100 mph wind, 15.00 ft mean htg, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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



1-1-8 Over 3 Supports
R-80 U=180

PLT TYP. Wave TPI\R

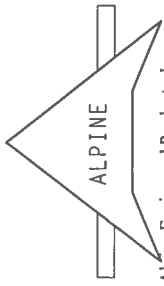
Design Crit: TPI-1995(STD)

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

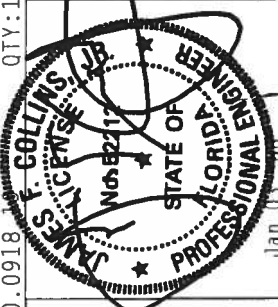
Scale = .5" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 503 DEER CREEK ROAD, 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**** 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 HDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (4-H/5/K) ASTM A653 GRADE 40/60 (4-H/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER'S USE. SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX 1 SEC. 2.



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



Jan 03 2008

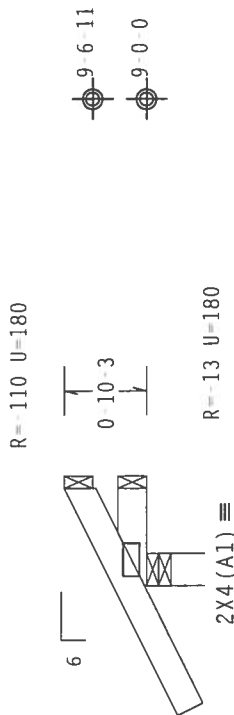
TC LL	30.0 PSF	REF	R215 - -	30069
TC DL	15.0 PSF	DATE	12/30/05	
BC DL	10.0 PSF	DRW	HCUSR215	05364027
BC LL	0.0 PSF	HC-ENG	RA/WHK	
TOT.LD.	55.0 PSF	SEQN	99205	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF	1STG215	Z01

1100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

The overall height of this truss excluding overhang is 0-10-3.



$\leftarrow 1-4-0 \rightarrow$
 $1-0-0$ Over 3 Supports
 $R=353 \quad U=180 \quad W=4''$

PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)

7.20.0918.19

QTY:10 FL/5/-/-/R/-

Scale = .5"/Ft.

WARNING: TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, UNLOADING AND BRACING. REFER TO BCSJ 103 (BUILDING COMPONENT INFORMATION), PUBLISHED BY IPI (IRVING PILE INSTITUTE, 583 D'ORFIO DR., SUITE 200, MADISON, WI 53719), AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

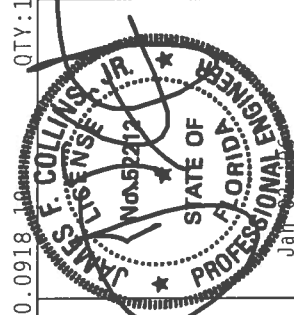
****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN.

PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & DRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/J/S/K) ASTM A663 GRADE 40/60 (M. K/H/S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, SECTION PER DRAWINGS 160A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI1 2002 SPEC. 3. A SEAL ON THIS

Alpine Engineered Products, Inc.

1950 Marley Drive
Haines City, FL 33844

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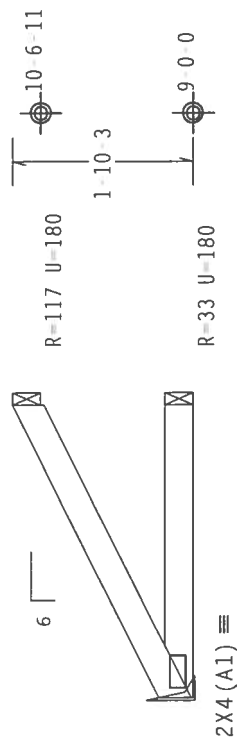
(3084- / / --, ** - JC3)

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

The overall height of this truss excluding overhang is 1-10 3.

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.
Plates sized for a minimum of 3.00 sq.in./piece.



3 0 0 Over 3 Supports
R=180 U=180

PLT TYP. Wave TPI/R

Design Crit: TPI-1995(STD)

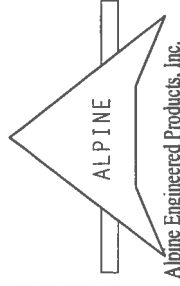
7.20.0918

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

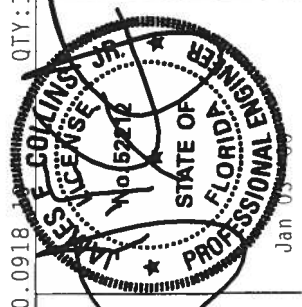
Scale = .5"/Ft.

****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, 583 O'DONOHIO 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. ALL TRUSSES SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

****IMPORTANT**** UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEER 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 APA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H/S/K) ASTM A653 GRADE 40/60 (W. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

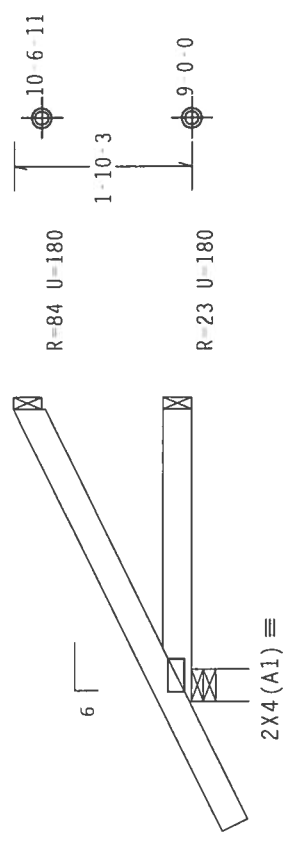


Alpine Engineered Products, Inc.
1950 Mader Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



TC LL	30.0 PSF	REF R215 - 30071
TC DL	15.0 PSF	DATE 12/30/05
BC DL	10.0 PSF	DRW HCUSR215 05364026
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.LD.	55.0 PSF	SEQN - 99206
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF - 1STG215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.
The overall height of this truss excluding overhang is 1' 10"-3".
100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.
Plates sized for a minimum of 3.00 sq.in./piece.

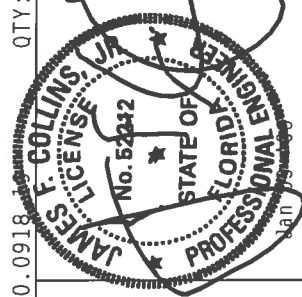


1'-4-0

3'-0-0 Over 3 Supports

R=343 U=180 W=4"

PLT TYP. Wave TPI\R	Design Crit: TPI-1995 (STD)	7.20.0918	QTY:11	FL/-/5/-/1/R/-	Scale =.5"/Ft.
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D-0000 RD., 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, ALL DIMENSIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.					REF R215-- 30072
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 MDS NATIONAL DESIGN SPEC. BY ACPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (4-11/5/8) ASTM A653 GRADE 40/60 (4-11/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.					DATE 12/30/05
					DRW HCUSR215 05364019
					HC-ENG RA/WHK
					SEQN- 99202
					FROM LRB
					JREF- 1STG215_Z01



ALPINE

Alpine Engineered Products, Inc.
1650 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

(3084 / / -- , ** - JC5)

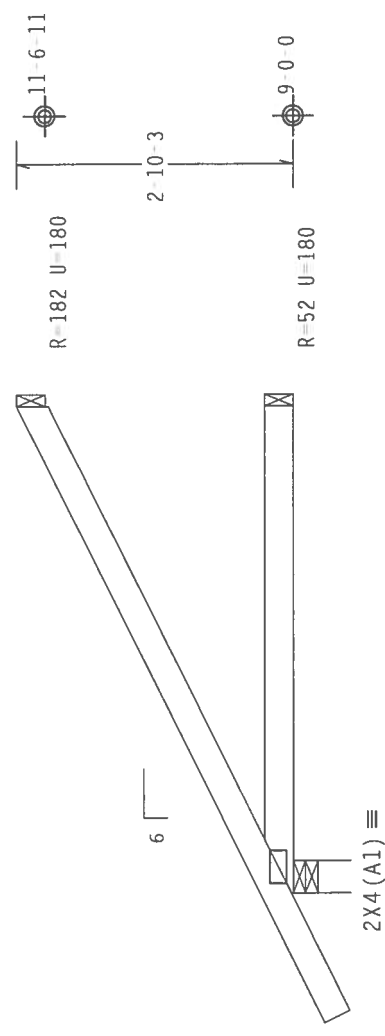
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

The overall height of this truss excluding overhang is 2 10-3.

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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



1-4-0 →
5-0-0 Over 3 Supports →
R-435 U=180 W-4"

PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)

7.20.0918

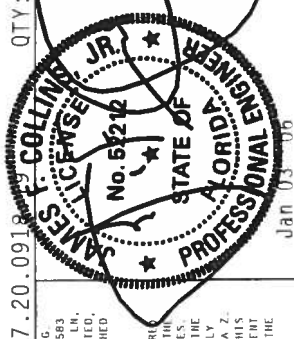
QTY: 8 FL/-/5/-/R/-

Scale = .5" / Ft.

REF	R215 --	30073
DATE	12/30/05	
DRW	HCUSR215	05364003
HC-ENG	RA/WHK	
SEQN-	99210	
FROM	LRB	
JREF-	1STG215_Z01	



Alpine Engineered Products, Inc.
1550 Nancy Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'AMORIO DR., SUITE 200, MADISON, WI 53719), AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

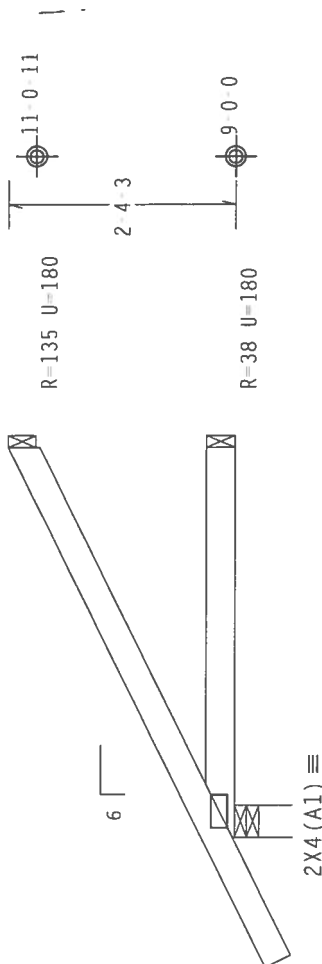
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC NATIONAL DESIGN SPEC. BY AISC) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/1066 (4-11/5/83 ASH 6053 GRADE 40/60 (4-11/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A 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.

1100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

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

The overall height of this truss excluding overhang is 2-4-3.



1-4-07

← 4 - 0 - 0 Over 3 Supports →

PLT TYP. Wave TPI\R

Design Crit: TPI-1995 (STD)

QTY:5 FL/-15/-1-/R/-

Scale = 5" / Ft.

[illegible]

TC LL	30.0	PSF	REF	R215 --	30074
TC DL	15.0	PSF	DATE	12/30/05	
BC DL	10.0	PSF	DRW	HCUSR215	05364028
BC LL	0.0	PSF	HC-ENG	RA/WHK	
TOT.LD.	55.0	PSF	SEGN-	99204	
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF-	1STG215	Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH THE TRUSS COMPANY'S SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLANT, INC., 1000 W. 40TH AVE., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS) TRUSS COMPANY OF AMERICA, 6100 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****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 TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH TPI'S OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES COMPANY PLATES ARE MADE OF 2019/T16GA (2019/S15) ASTM A653 GRADE 40/60 (40 K/40 S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAMING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSSES FOR THIS DESIGN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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

James City, FL 33844
El Certificate of Authorization # 567

(3084 / / - - - - - JE6T)

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

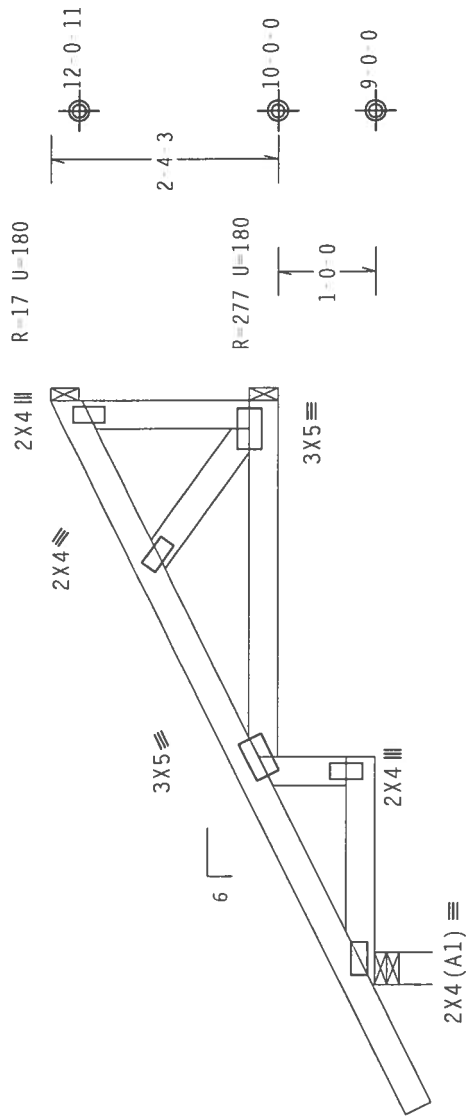
100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

Right end vertical not exposed to wind pressure.

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

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



1-4-0

2-4-0
3-8-0
6-0-0 Over 3 Supports
R-485 U=180 W=4

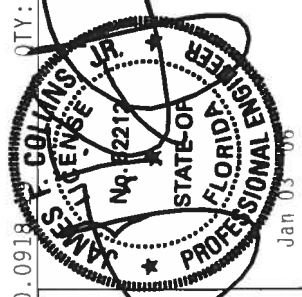
PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)

7.20.0918

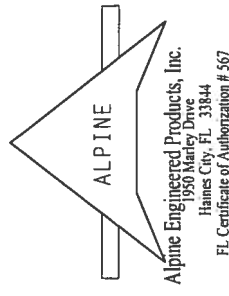
QTY:1 FL/-/5/-/R/-

Scale = .5" / 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'AMORELLO 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.

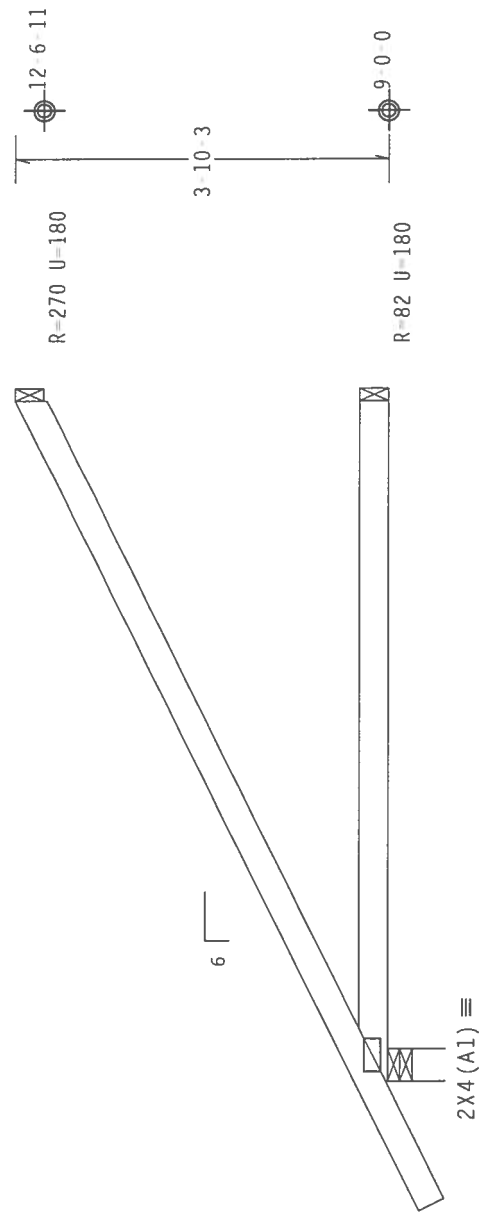
****IMPORTANT**** UNLESS A COPY OF THIS DESIGN IS PROVIDED TO THE INSTALLATION CONTRACTOR, THE SUBMITTER ASSUMES RESPONSIBILITY FOR THE TRUSS IN CONFORMANCE WITH TPI RECOMMENDATIONS. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTORS) AND AISC 360 (SPECIFICATION FOR STRUCTURAL STEEL). UNLESS OTHERWISE INDICATED, ALL TRUSS PLATES ARE MADE OF 20/18/16GA (4-H/5/3) ASTM A653 GRADE 40/60 (4, 4/H/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 1.002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	30.0 PSF	REF	R215--	30076
TC DL	15.0 PSF	DATE	01/03/06	
BC DL	10.0 PSF	DRW	HCUSR215	06003013
BC LL	0.0 PSF	HC-ENG	RA/DLJ	
TOT.LD.	55.0 PSF	SEQN-	167220	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1STG215_Z01	

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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



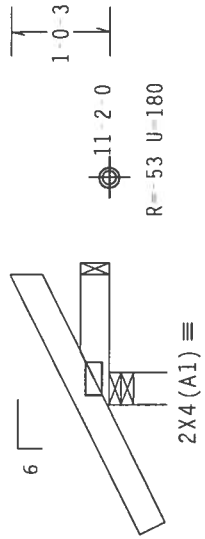
$\leftarrow 1-4-0 \rightarrow$
 $\leftarrow 7-0-0 \rightarrow$ Over 3 Supports

 $R=537 \quad U=180 \quad W=4"$

[illegible]

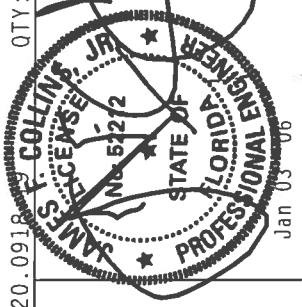
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.
The overall height of this truss excluding overhang is 1-0-3.

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.
Plates sized for a minimum of 3.00 sq.in./piece.



L=1-4-0
1-4-0 Over 2 Supports
R=319 U=180 W=4"

PLT TYP. Wave TPI\R	Design Crit: TPI-1995(STD)	7.20.0918	QTY:3	FL/-/5/-/R/-	Scale =.5"/Ft.
				TC LL	30.0 PSF
				TC DL	15.0 PSF
				BC DL	10.0 PSF
				BC LL	0.0 PSF
				TOT.LD.	55.0 PSF
				DUR.FAC.	1.25
				SPACING	24.0"
				REF	R215 - 30078
				DATE	12/30/05
				DRW	HCUSR215 05364024
				HC-ENG	RA/WHK
				SEQN	99229
				FROM	LRB
				JREF	1STG215_Z01



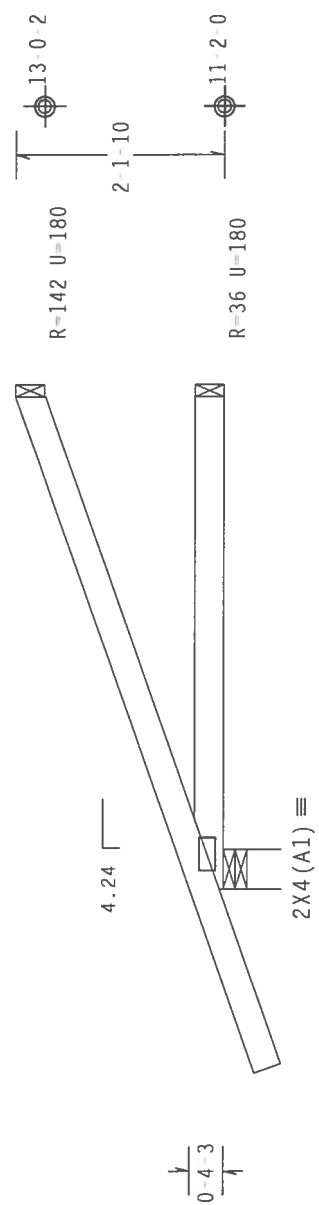
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 MADISON, MI 48137) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIONS. TOP CHORD SHALL 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. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-17/5/3) ASTM A653 GRADE 40/60 (M. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN 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
Bot chord 2x4 SP #2 N
Hipjack supports 3-6-15 setback jacks with no webs.
Plates sized for a minimum of 3.00 sq.in./piece.
The overall height of this truss excluding overhang is 2-1-10.

100 mph wind, 15.00 ft mean htg, ASCE 7-98, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.



1-10-10
5-0-12 Over 3 Supports
R-252 U-180 W-4.907"

PLT TYP. Wave TPI\R	Design Crit: TPI-1995(STD)	7.20.0918	QTY:1	FL/-5/-/R/-	Scale =.5"/Ft.
ALPINE Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567 **WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONDRIO DR., SUITE 200, MADISON, WI 53719), AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., SUITE 300, FARMINGTON, CT 06031) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/166A (4-H/5/K) ASTM A653 GRADE 40/60 (W. K/A-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANIST/TPI 1 SEC. 2.					REF R215-- 30079
					DATE 01/03/06
					DRW HCUSR215 06003014
					HC-ENG RA/DLJ
					SEQN- 167198
					FROM LRB
					JREF- 1STG215_Z01

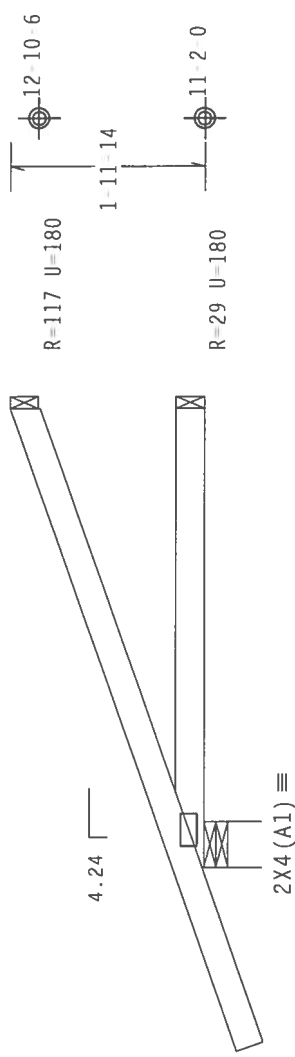
(3084- / / - - , ** - JH4)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Hipjack supports 3 4-0 setback jacks with no webs.
Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 1-11-14.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.



← 1-10-10 →
← 4-8-9 Over 3 Supports →
R=239 U=180 W=5.657"

PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)

7.20.0918

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

Scale = .5" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 E. MAIN ST., MADISON, WI 53719), FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (4-H/5/K) ASTM A653 GRADE 40/60 (4, 4/H-5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/TP1 1 SEC. 2.

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

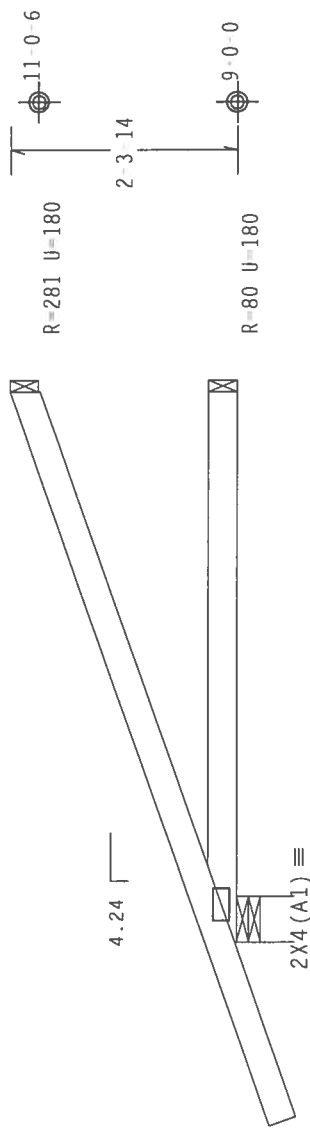
Jan 03, 2006

TC LL	30.0 PSF	REF	R215 - -	30080
TC DL	15.0 PSF	DATE	01/03/06	
BC DL	10.0 PSF	DRW	HCUSR215	06003015
BC LL	0.0 PSF	HC-ENG	RA/DLJ	
TOT.LD.	55.0 PSF	SEQN-	167215	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1STG215_Z01	

(3084 / / - , ** - JH6)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.
The overall height of this truss excluding overhang is 2 3-14.
Hipjack supports 3 0-0 setback jacks with no webs.

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.
Plates sized for a minimum of 3.00 sq.in./piece.



5-7-14 Over 3 Supports
R=401 U=214 W=5.657"

PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)

7.20.091

Scale = .5" / Ft.

ALPINE

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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 503 MADISON, MI 48137, 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. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (N-11/5/K) ASTM A653 GRADE 40/60 (4. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	30.0 PSF	REF	R215 - - 30081
TC DL	15.0 PSF	DATE	01/03/06
BC DL	10.0 PSF	DRW	HCUSR215 06003028
BC LL	0.0 PSF	HC-ENG	RA/DLJ
OT.LD.	55.0 PSF	SEQN	99231
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF	1STG215_Z01

JAMES COLLINS JR.
LICENSED PROFESSIONAL ENGINEER
No. 52212
STATE OF FLORIDA

Jan 03 '06

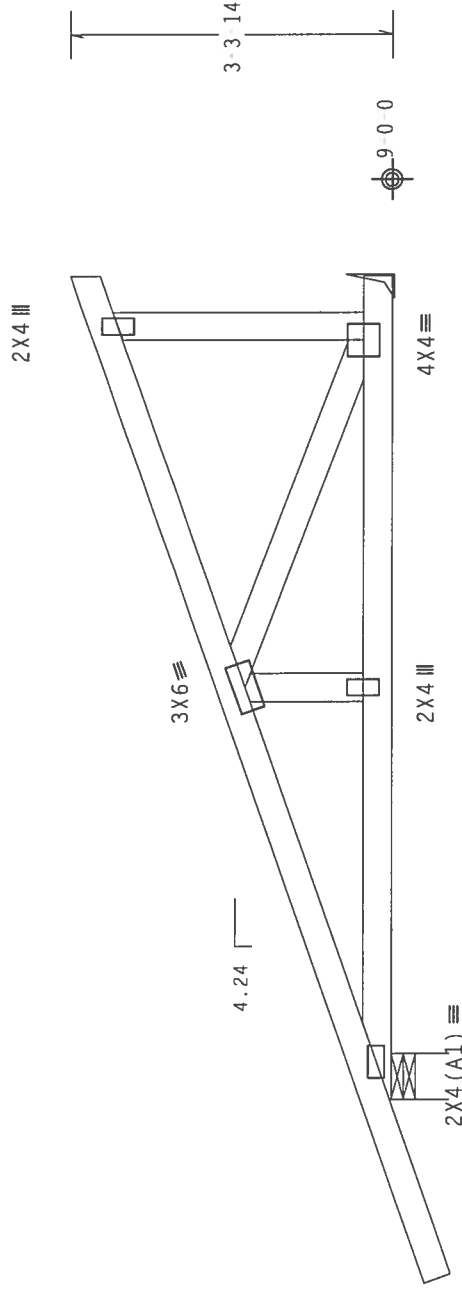
100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

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

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

The overall height of this truss excluding overhang is 3-3-14.



1-10-10-7

8-5-13 Over 2 Supports

R=449 H=180 W=5.657"

$$R=598 \quad ||=180$$

PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)

7.20.0918-18

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

Scale = .5"/Ft.

***WARNING:** THESE REQUIRE EXISTENT CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL INSTITUTE OF CONSTRUCTION EDUCATION, 363 D'AMORE DR., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6000 ENTERPRISE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE STATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

TC LL	30.0 PSF	REF	R215 -	30082
TC DL	15.0 PSF	DATE	01/03/06	
BC DL	10.0 PSF	DRW	HCUSR215	06003016
BC LL	0.0 PSF	HC-ENG	RA/DLJ	
TOT.LD.	55.0 PSF	SEQN-	167118	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1STG215	Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO TEST (PUBLISHED BY THE MANUFACTURER) WHICH IS SHIPPED BY THE TRUSS PLATE INSTITUTE, 583 RIVINGTON STREET (PUBLISHED BY THE MANUFACTURER), TRUSS PLATE INSTITUTE, 583 RIVINGTON STREET, NEW YORK, NY 10037, FOR THE PROPER HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. TRUSSES SHOWN IN 537191 AND 537192 ARE NOT TO BE USED FOR THE PROPOSED APPLICATION. TRUSSES SHOWN IN 537193, 537194, 537195, 537196, 537197, 537198, 537199, 537200, 537201, 537202, 537203, 537204, 537205, 537206, 537207, 537208, 537209, 537210, 537211, 537212, 537213, 537214, 537215, 537216, 537217, 537218, 537219, 537220, 537221, 537222, 537223, 537224, 537225, 537226, 537227, 537228, 537229, 537230, 537231, 537232, 537233, 537234, 537235, 537236, 537237, 537238, 537239, 537240, 537241, 537242, 537243, 537244, 537245, 537246, 537247, 537248, 537249, 537250, 537251, 537252, 537253, 537254, 537255, 537256, 537257, 537258, 537259, 537260, 537261, 537262, 537263, 537264, 537265, 537266, 537267, 537268, 537269, 537270, 537271, 537272, 537273, 537274, 537275, 537276, 537277, 537278, 537279, 537280, 537281, 537282, 537283, 537284, 537285, 537286, 537287, 537288, 537289, 537290, 537291, 537292, 537293, 537294, 537295, 537296, 537297, 537298, 537299, 537300, 537301, 537302, 537303, 537304, 537305, 537306, 537307, 537308, 537309, 537310, 537311, 537312, 537313, 537314, 537315, 537316, 537317, 537318, 537319, 537320, 537321, 537322, 537323, 537324, 537325, 537326, 537327, 537328, 537329, 537330, 537331, 537332, 537333, 537334, 537335, 537336, 537337, 537338, 537339, 537340, 537341, 537342, 537343, 537344, 537345, 537346, 537347, 537348, 537349, 537350, 537351, 537352, 537353, 537354, 537355, 537356, 537357, 537358, 537359, 537360, 537361, 537362, 537363, 537364, 537365, 537366, 537367, 537368, 537369, 537370, 537371, 537372, 537373, 537374, 537375, 537376, 537377, 537378, 537379, 537380, 537381, 537382, 537383, 537384, 537385, 537386, 537387, 537388, 537389, 537390, 537391, 537392, 537393, 537394, 537395, 537396, 537397, 537398, 537399, 537400, 537401, 537402, 537403, 537404, 537405, 537406, 537407, 537408, 537409, 537410, 537411, 537412, 537413, 537414, 537415, 537416, 537417, 537418, 537419, 537420, 537421, 537422, 537423, 537424, 537425, 537426, 537427, 537428, 537429, 537430, 537431, 537432, 537433, 537434, 537435, 537436, 537437, 537438, 537439, 537440, 537441, 537442, 537443, 537444, 537445, 537446, 537447, 537448, 537449, 537450, 537451, 537452, 537453, 537454, 537455, 537456, 537457, 537458, 537459, 537460, 537461, 537462, 537463, 537464, 537465, 537466, 537467, 537468, 537469, 537470, 537471, 537472, 537473, 537474, 537475, 537476, 537477, 537478, 537479, 537480, 537481, 537482, 537483, 537484, 537485, 537486, 537487, 537488, 537489, 537490, 537491, 537492, 537493, 537494, 537495, 537496, 537497, 537498, 537499, 537500, 537501, 537502, 537503, 537504, 537505, 537506, 537507, 537508, 537509, 537510, 537511, 537512, 537513, 537514, 537515, 537516, 537517, 537518, 537519, 537520, 537521, 537522, 537523, 537524, 537525, 537526, 537527, 537528, 537529, 537530, 537531, 537532, 537533, 537534, 537535, 537536, 537537, 537538, 537539, 537540, 537541, 537542, 537543, 537544, 537545, 537546, 537547, 537548, 537549, 537550, 537551, 537552, 537553, 537554, 537555, 537556, 537557, 537558, 537559, 537560, 537561, 537562, 537563, 537564, 537565, 537566, 537567, 537568, 537569, 537570, 537571, 537572, 537573, 537574, 537575, 537576, 537577, 537578, 537579, 537580, 537581, 537582, 537583, 537584, 537585, 537586, 537587, 537588, 537589, 537590, 537591, 537592, 537593, 537594, 537595, 537596, 537597, 537598, 537599, 537600, 537601, 537602, 537603, 537604, 537605, 537606, 537607, 537608, 537609, 537610, 537611, 537612, 537613, 537614, 537615, 537616, 537617, 537618, 537619, 537620, 537621, 537622, 537623, 537624, 537625, 537626, 537627, 537628, 537629, 537630, 537631, 537632, 537633, 537634, 537635, 537636, 537637, 537638, 537639, 537640, 537641, 537642, 537643, 537644, 537645, 537646, 537647, 537648, 537649, 537650, 537651, 537652, 537653, 537654, 537655, 537656, 537657, 537658, 537659, 537660, 537661, 537662, 537663, 537664, 537665, 537666, 537667, 537668, 537669, 537670, 537671, 537672, 537673, 537674, 537675, 537676, 537677, 537678, 537679, 537680, 537681, 537682, 537683, 53

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

Haines City, FL 33844
El Certificate of Authorization # 567

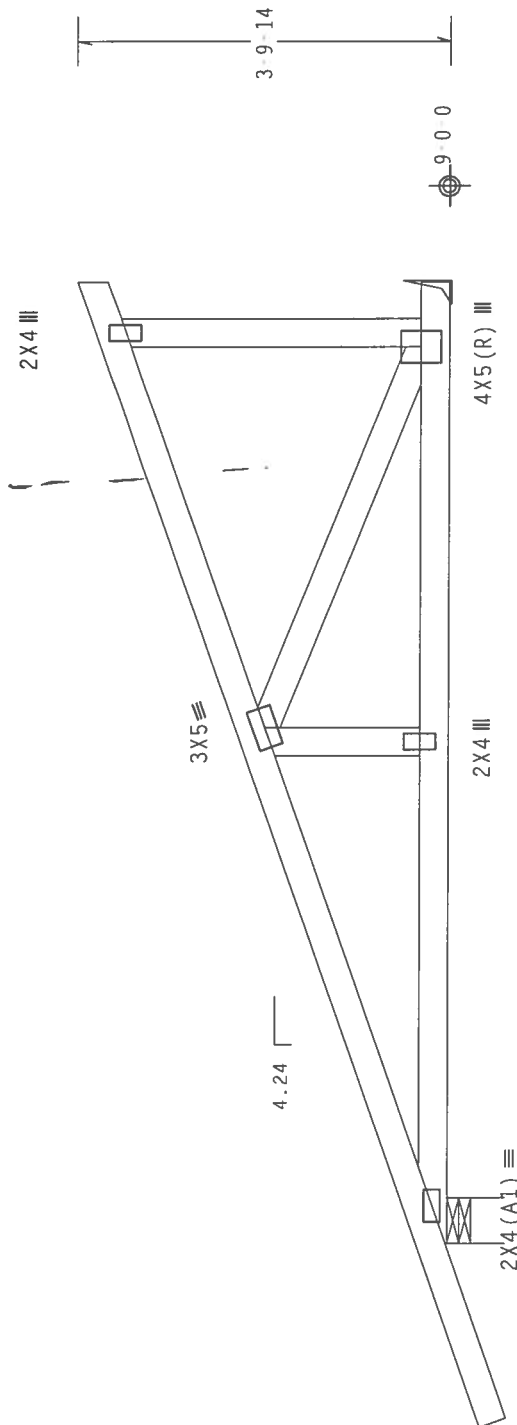
Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 Dense
 Webs 2x4 SP #2 N

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

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

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

The overall height of this truss excluding overhang is 3-9-14.



7
10
10
10
7

9 - 10 - 13 Over 2 Supports

R-802 U-292 W-5.657"

R-895 U-180

PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)

18.10

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

Scale = .5"/Ft.

WARNING TRUSSES, REQUIRING EXTREME CARE IN FABRICATION, WELDING, SHIPPING, INSTALLING AND BRACING. REFER TO BC531.03, BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PRACTICES NEWS, 363 WEST CONIFER DR., SUITE 200, MADISON, WI 53719, AND WCA LIGUID 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.

TC LL	30.0	PSF	REF	R215--	30083
TC DL	15.0	PSF	DATE	01/03/06	
BC DL	10.0	PSF	DRW	HCUSR215	06003029
BC LL	0.0	PSF	HC-ENG	RA/DLJ	
TOT.LD.	55.0	PSF	SEQN-	99234	
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF-	1STG215	Z01



ALPINE

Alpine Engineered Products, Inc.

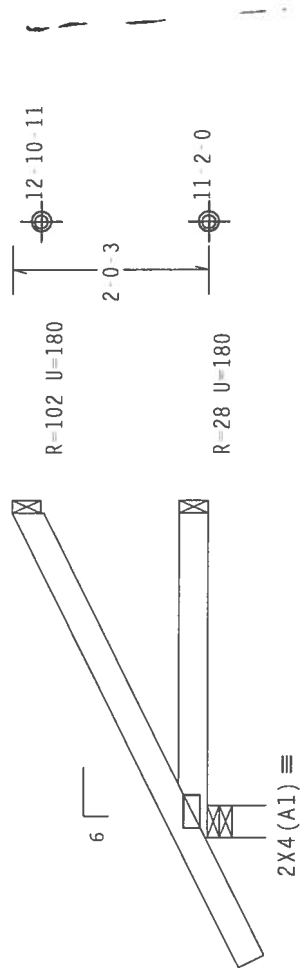
1930 Niarley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

(3084- / / - - , ** - M1)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.
The overall height of this truss excluding overhang is 2 0 3.

100 mph wind, 15.00 ft mean hgt, ASCE 7 98, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.
Plates sized for a minimum of 3.00 sq.in./piece.



6' $\leftarrow$ 1-4-0 $\rightarrow$
 $\leftarrow$ 3-4-0 Over 3 Supports $\rightarrow$
R-356 U=180 W=4"

PLT TYP. Wave TPI\R

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

Design Crit: TPI-1995(STD)

7.20.0918 00:11 FL / - / 5 / - / R / -

Scale = .5" / Ft.

TC LL	30.0 PSF	REF	R215 - -	30084
TC DL	15.0 PSF	DATE	01/03/06	
BC DL	10.0 PSF	DRW	HCUSR215	06003017
BC LL	0.0 PSF	HC-ENG	RA/DLJ	
TOT.LD.	55.0 PSF	SEQN	167166	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF	1STG215	Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. IN COMPLIANCE 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 2018/166A (N-17/57K) ASTM A653 GRADE 40/60 (N, K/N-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 DESIGNER'S USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX A3 OF TPI 1 SEC. 2.

****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. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (N-17/57K) ASTM A653 GRADE 40/60 (N, K/N-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 DESIGNER'S USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX A3 OF TPI 1 SEC. 2.

7.20.0918 00:11

JAMES F. COLLINS, JR.
No 50212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 03 2006

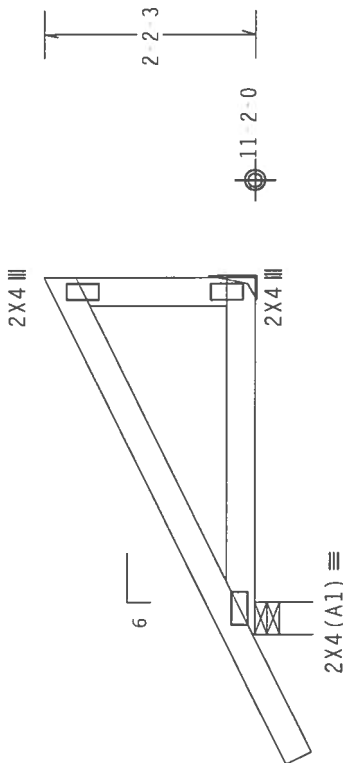
1100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

The overall height of this truss excluding overhang is 2-2 3/4.


$$\rightarrow 1-4-0 \rightarrow$$

$\leq 3-8-0$ Over 2 Supports $\Rightarrow$
 $R=371$ $U=180$ $W=4''$
 $R=152$ $U=180$

PLT TYP. Wave TPI\R

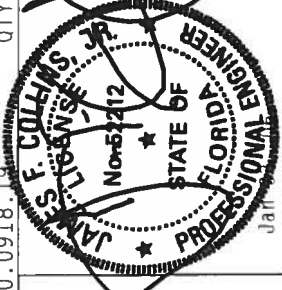
Design Crit: TPI-1995(STD)

7.20.0918.19

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

Scale = .5"/Ft.

TC LL	30.0 PSF	REF	R215 - 30085
TC DL	15.0 PSF	DATE	01/03/06
BC DL	10.0 PSF	DRW	HCUSTR215 06003018
BC LL	0.0 PSF	HC-ENG	RA/DLJ
TOT.LD.	55.0 PSF	SEQN-	167190
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1STG215_Z01



ALPINE

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

FL Certificate of Authorization # 567

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

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

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL = 7.5 psf, wind BC DL = 5.0 psf.

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

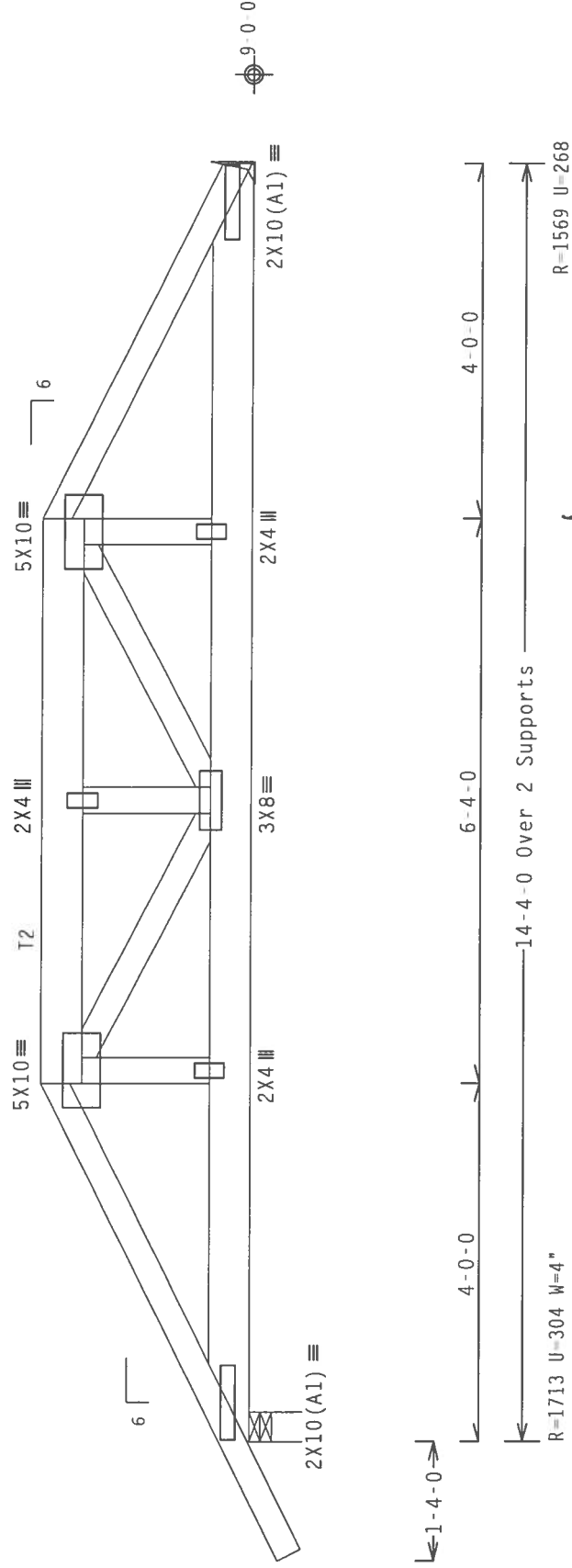
Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 2'-4"-3/4".

SPECIAL LOADS

	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)			
TC	From	90 PLF at 1.33	to	90 PLF at 14.33
BC	From	4 PLF at 1.33	to	20 PLF at 14.33
TC	-	416 LB Conc.	Load at	4.00, 10.33
TC	-	135 LB Conc.	Load at	6.06, 7.17, 8.27
BC	-	117 LB Conc.	Load at	4.00, 10.33
BC	-	38 LB Conc.	Load at	6.06, 7.17, 8.27

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.



PLT TYP. Wave TPI\IR

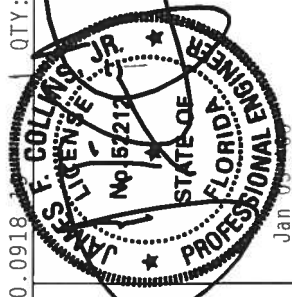
Design Crit: TPI-1995 (STD)

7 20 0918

10TY.1 E11-151-1-1B1-

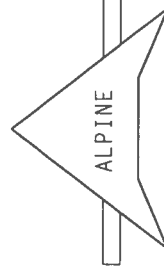
$$+3/5 = 0.6$$

TC LL	30.0 PSF	REF	R215--	30086
TC DL	15.0 PSF	DATE	01/03/06	
BC DL	10.0 PSF	DRW	HCUSR215	06003030
BC LL	0.0 PSF	HC-ENG	RA/DLJ	
TOT.LD.	55.0 PSF	SEQN-	99252	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREE-	1SIG215	701



*WARNING** FROSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIG 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TROSS PLAC COMPANY, INC., 583 OREGON RD., SUITE 200, MADISON, WI 53719) AND WICKA (WOOD TROSS COUNCIL OF AMERICA, 6300 CENTRELINE, IN. 46033, TEL. 317-353-1171). SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, MUST BE FOLLOWED. THE TOP CHORD SHALL HAVE PROPERLY ANCHORED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED TO TOP CHORD, SEEING.

* IMPORTANT ** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS
PLACING THE SIGN SHALL BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN; ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS, NATIONAL DESIGN SPEC. INSTALLING A BRACING TO TRUSSES,
CONNECTOR PLATES ARE MADE OF 2018/16GA. 48 IN/45/CS ASTM A563 GRADE 40/60 (W/ 4/10-5) GALV STEEL
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 43 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 Engineered Products, Inc.

1950 Marley Drive
Haines City, FL 33844

James City, FL 33844
FL Certificate of Authorization # 567

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

Bot chord 2x8 SP #2 N
Webs 2x4 SP #2 N

3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun nails)

Top Chord: 1 Row @ 3.00" o.c.

Bot Chord: 2 Rows @ 5.50" o.c. (Each Row)

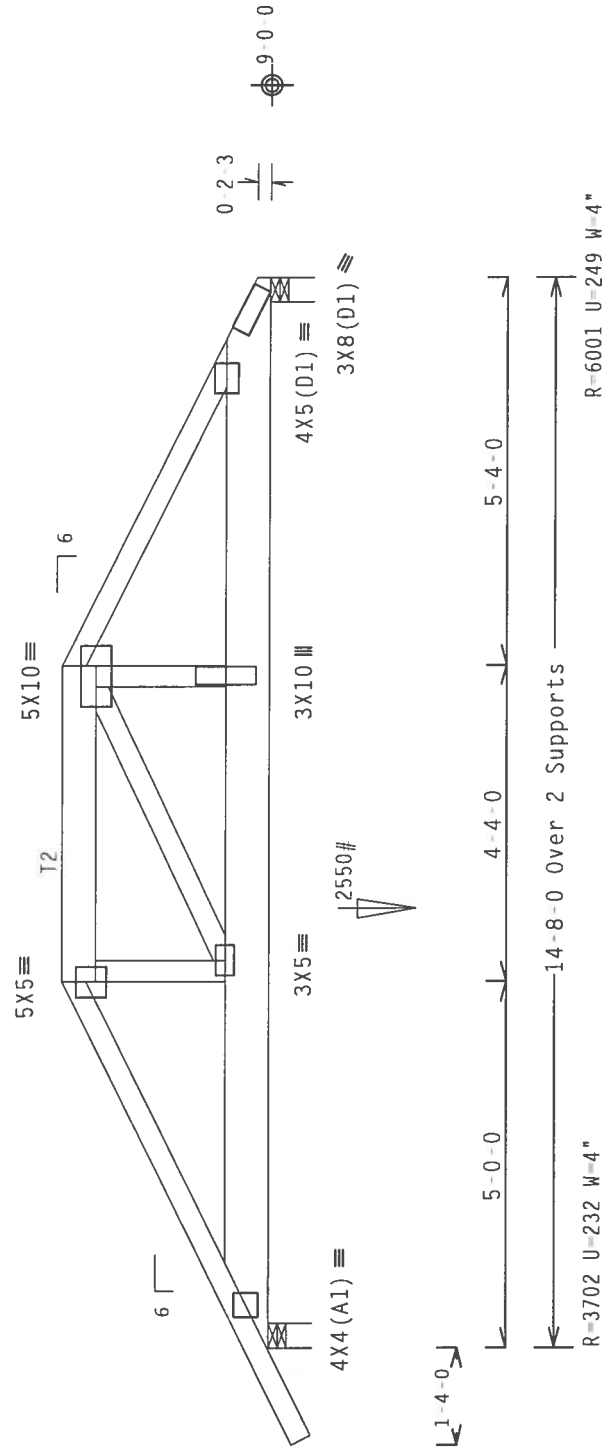
Webbs : 1 Row @ 4" O.C.
Repeat nailing as each 1 row

Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 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.



R-6001 U-249 W-4"

R-3702 U-232 W-4"

-14-8-0 Over 2 Supports

PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)

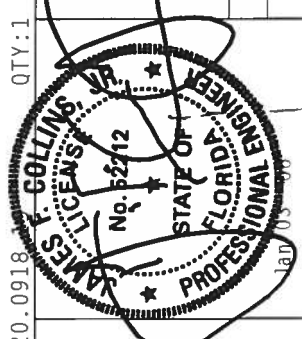
7.20.0918

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

Scale = .375"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BCSP 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (CRUISING PLATE INSTITUTE, 583 S. O'HANION 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. IF OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID GILLING.

**** IMPORTANT ****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS CONFORMS WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. IN STEEL) AND THE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/1/2X1/2) ASTM A453 GRADE 40/50 (W/ 6/16 S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND NUTS/SPACERS LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A. 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF IPT1 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/IPT 1 SEC. 2.



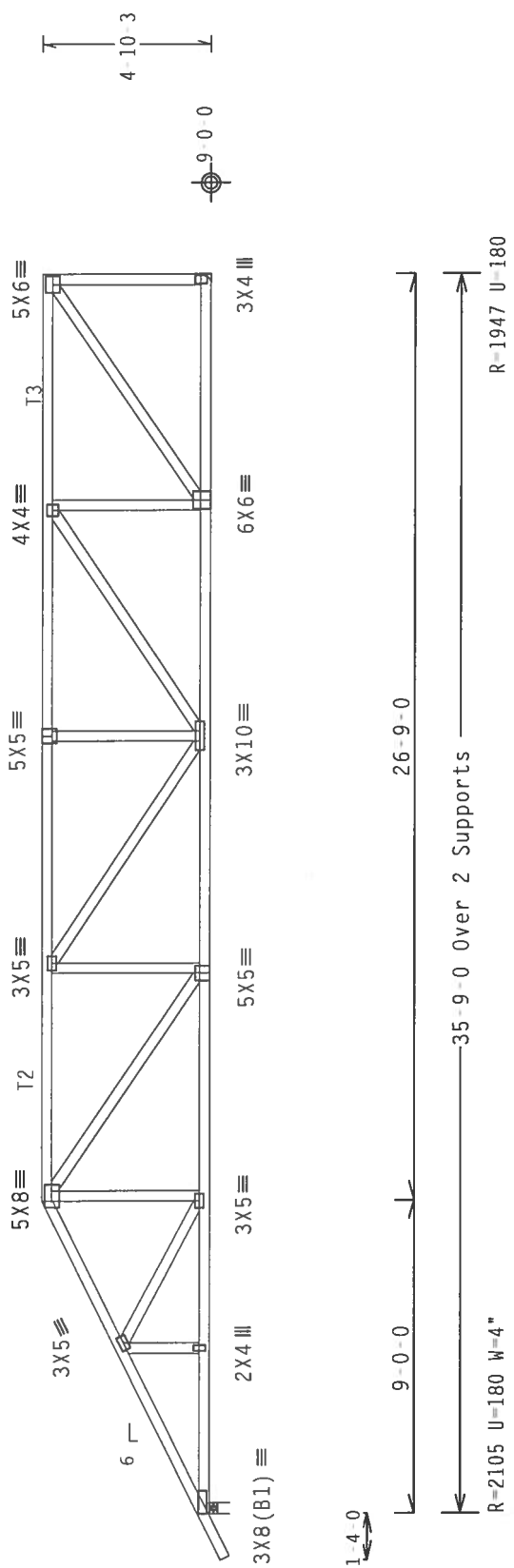
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

(3084 / / - - , ** - MHG3)

Top chord 2x4 SP #2 N :T2 2x4 SP SS:
:T3 2x4 SP #2 Dense:
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
Plates sized for a minimum of 3.00 sq.in./piece.
The overall height of this truss excluding overhang is 4 10-3.

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind
BC DL=5.0 psf.
Right end vertical not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 2.00.



PLT TYP. Wave TPI\R

Design Crit: TPI-1995 (STD)

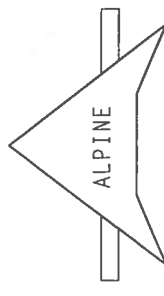
QTY:1 FL/-/5/-/-/R/-

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, 563 D-000010 DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., YORKSBURG, PA 15357) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** UNLESS 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 FOLLOW THE DESIGN IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE CONNECTOR PLATES WITH APPLICABLE PROVISIONS OF AISC NATIONAL DESIGN SPEC. BY AREA) AND TPI. APPLY CONNECTOR PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	30.0 PSF	REF	R215 - -	30088
TC DL	15.0 PSF	DATE	12/30/05	
BC DL	10.0 PSF	DRW	HCUSR215	05364005
BC LL	0.0 PSF	HC-ENG	RA/WHK	
TOT.LD.	55.0 PSF	SEQN-	99238	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF	1STG215_Z01	



ALPINE

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10500 Markey
Haines City, FL 33844
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2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun nails)

Top Chord: 1 Row @10.00" o.c.

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

Webbs : 1 Row @ 4" 0.c.

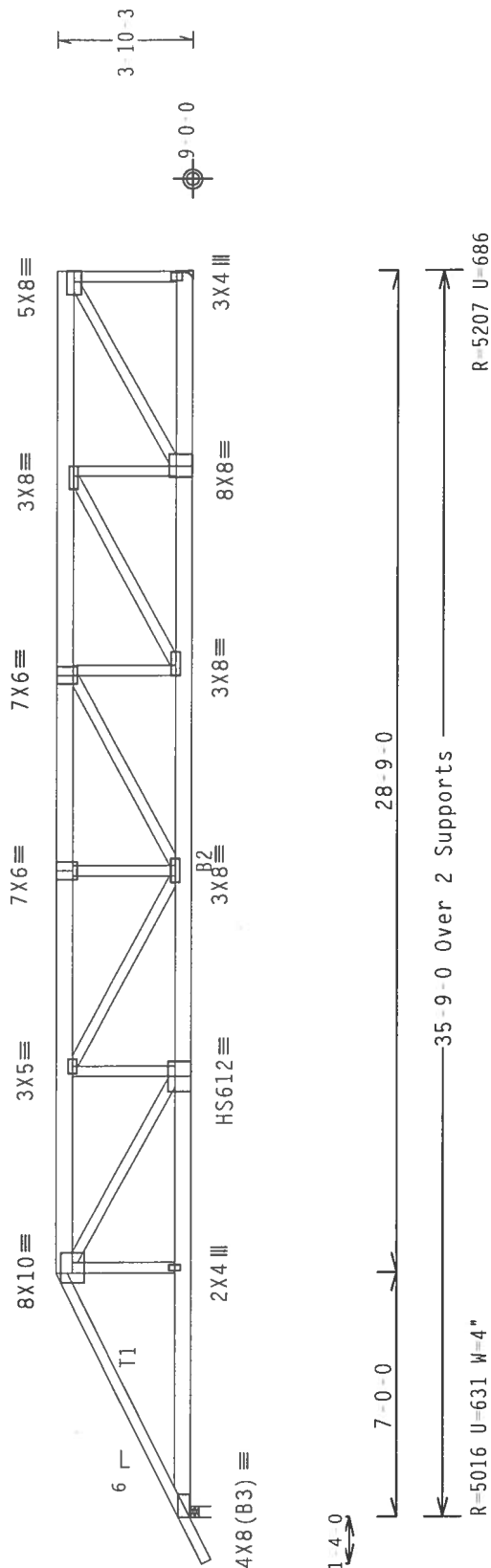
Use equal spacing between rows and stagger nails in each row to avoid splitting.

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

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



PLT TYP. 20 Gauge HS,Wave TPI\R Design Crit: TPI-1995(STD)

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

Scale = .1875"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RECOMMENDED PRACTICES FOR THE DESIGN, FABRICATION, AND BRACING OF TRUSSES ARE AVAILABLE FROM THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 530 NORTH DEARBORN, CHICAGO, ILL. 60610. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS AND PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE FOLLOWING OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN CONFORMANCE WITH TP1 OR CROSBY'S DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. PLATES ARE MADE OF 201 OR 304 STAINLESS STEEL. CONNECTOR PLATES ARE MADE OF 201 OR 304 STAINLESS STEEL. ASTM A563 GRADE 40/50 (40 KSI/55 KSI) GALV. STEEL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16DA & 17. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMNH AS OF 1/11/21 2022 REC-3. (2) SHALL BE PER AMNH AS OF 1/11/21 2022 REC-3. A SEAL ON THIS DRAWING SHALL BE REQUIRED TO ACCEPT THE CONTRACTING RESPONSIBILITY OF THE SEAL FOR THE TRUSS COMPONENT DESIGN. SHOW THE STABILITY AND USE OF THIS COMPONENT FOR BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER/ENGINEER. SEE AMNH/TP1 1 SEC. 2.

TC LL	30.0 PSF	REF R215 - - 30089
TC DL	15.0 PSF	DATE 01/03/06
BC DL	10.0 PSF	DRW HCUSR215 06003032
BC LL	0.0 PSF	HC-ENG RA/DLJ
TOT.LD.	55.0 PSF	SEQN- 99237
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1STG215 Z01



Alpine Engineered Products, Inc.
1950 Marley Drive

1750 Nancy Drive
Haines City, FL 33844

FL Certificate of Authorization # 567
Haines City, FL 33844

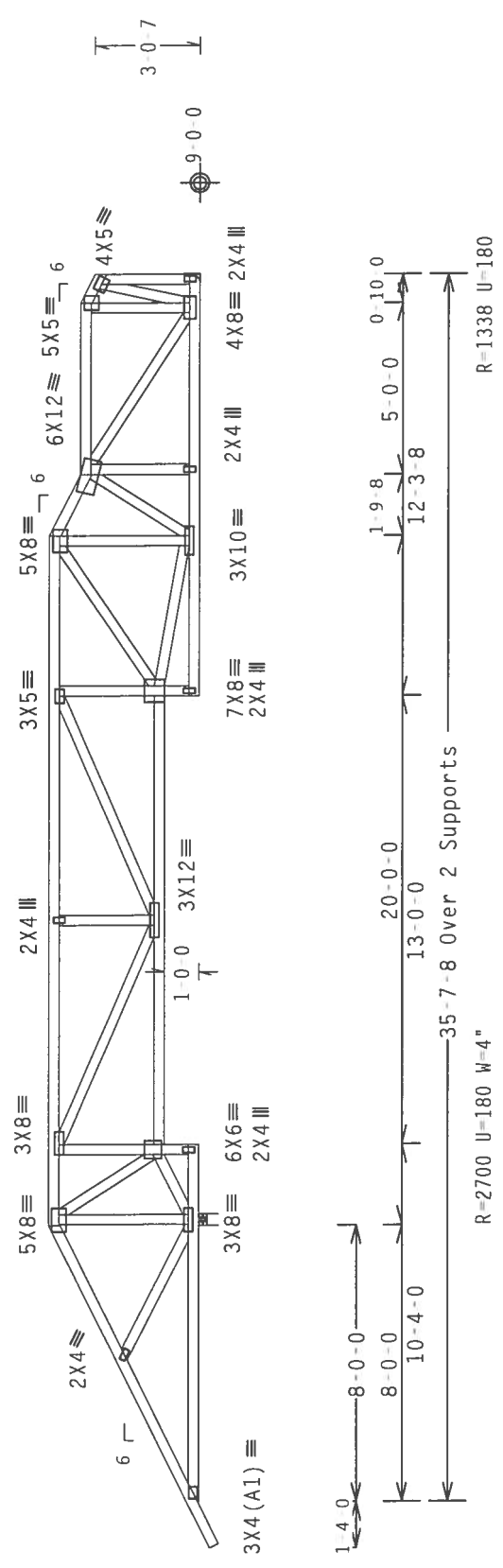
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

Right end vertical not exposed to wind pressure.
Plates sized for a minimum of 3.00 sq.in./piece.
The overall height of this truss excluding overhang is 4-4-3.

NOTE:
TRUSS MAY EXHIBIT UNDESIREABLE DEFLECTION UNDER FULL DESIGN LOAD, AS THE LONG TERM EFFECTS OF CREEP HAVE NOT BEEN CONSIDERED FOR THIS DESIGN.

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.



PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)

7.20.0918

QTY:1

FL/-/5/-/R/-

Scale = .1875"/Ft.

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1950 Marley Drive
Haines City, FL 33844
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****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 DUMFRIES DR., SUITE 200, MADISON, WI 53719), AND MEA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., DUNFRIES, VA 22024) FOR ADDITIONAL INFORMATION. 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 AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W./I/S/K) ASTM A653 GRADE 40/60 (W./I/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

REF	R215 - -	30090
DATE	12/30/05	
DRW	HCUSR215	05364014
HC-ENG	RA/WHK	
SEQN-	99318	
FROM	LRB	
JREF-	1STG215_Z01	

(3084 / / - - , ** - S2)

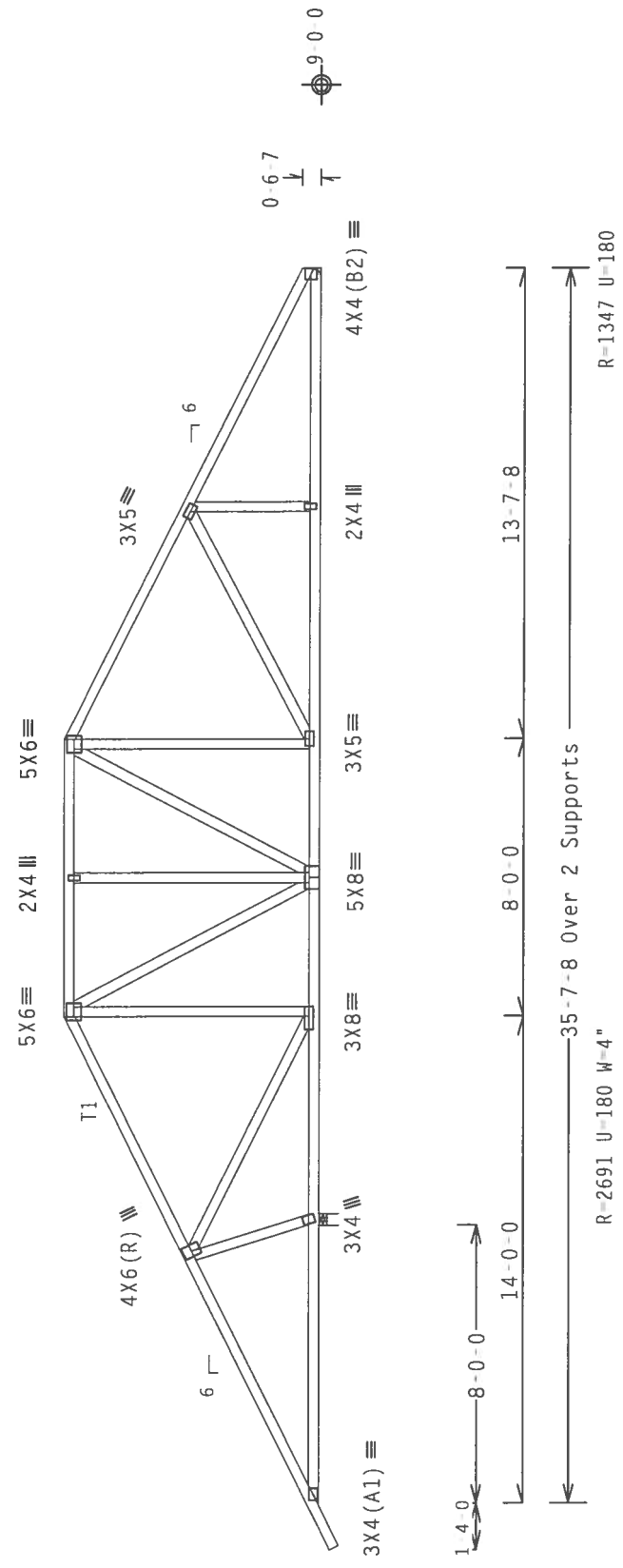
Top chord 2x4 SP #2 N :T1 2x4 SP SS:
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
Plates sized for a minimum of 3.00 sq.in./piece.

NOTE:
TRUSS MAY EXHIBIT UNDESIREABLE DEFLECTION
UNDER FULL DESIGN LOAD, AS THE LONG TERM EFFECTS
OF CREEP HAVE NOT BEEN CONSIDERED FOR THIS DESIGN.

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind
BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 2.00.
The overall height of this truss excluding overhang is 7-4 3/8.



PLT TYP. Wave TPI/R

Design Crit: TPI-1995 (STD)

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

Scale = .1875" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNDAS DR., SUITE 200, MADISON, WI 53719), AND WEA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE DR., DUNDAS DR., 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**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BRACE TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THIS QUALITY DESIGN SPEC, BY A/E/P/A AND TPI. CONNECTOR PLATES ARE MADE OF 2018/16GA (40/60) ASTM A653 GRADE 40/60 (40/60) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE
Alpine Engineered Products, Inc.
1650 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

SALES F. COLLINS JR.
No. 82212
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 03 2000

TC LL	30.0 PSF	REF	R215 --	30091
TC DL	15.0 PSF	DATE	12/30/05	
BC DL	10.0 PSF	DRW	HCUSR215	05364007
BC LL	0.0 PSF	HC-ENG	RA/DLJ	
TOT.LD.	55.0 PSF	SEQN	99295	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF	1STG215_Z01	

	Top	chord	2x4	SP	#2	N	:T3	2x4	SP	#2	Dense:
Bot	chord	2x4	SP	#2	N						
	webs	2x4	SP	#2	N						

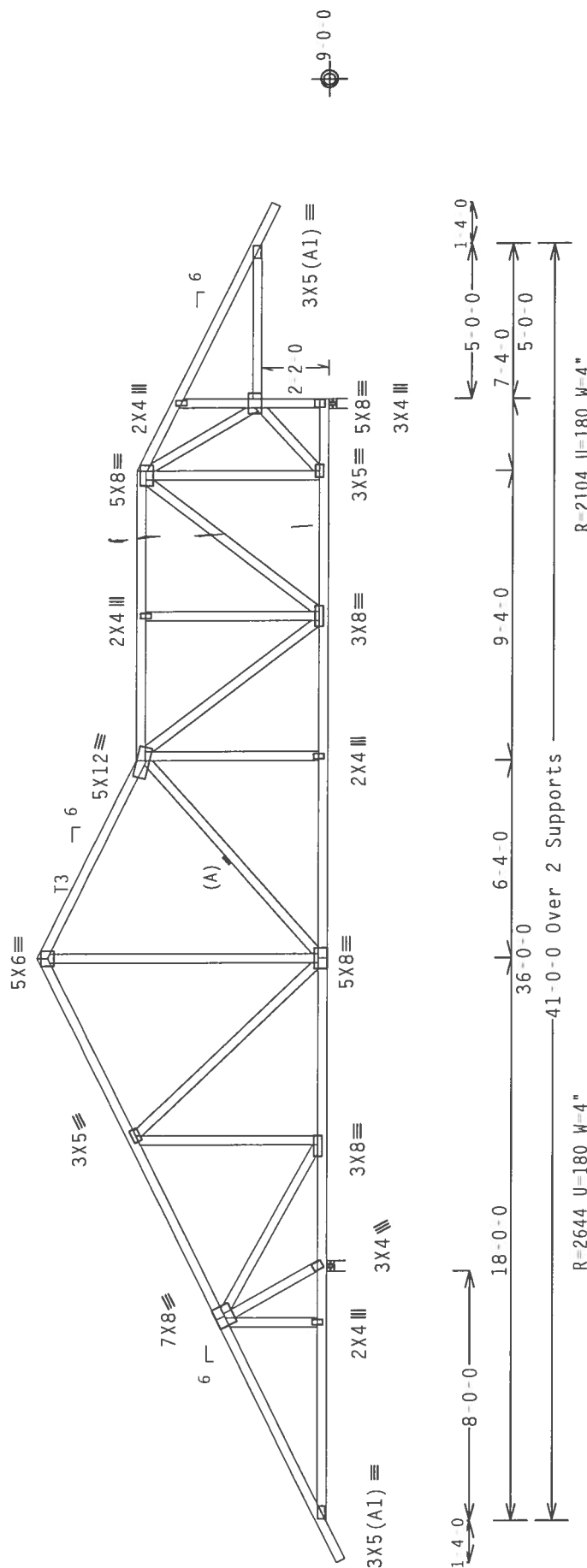
100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

The overall height of this truss excluding overhang is 9-4-3.

NOTE: MAY EXHIBIT UNDESIRABLE DEFLECTION UNDER FULL DESIGN LOAD, AS THE LONG TERM EFFECTS OF CREEP HAVE NOT BEEN CONSIDERED FOR THIS DESIGN.



PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)

7.20.0918.19

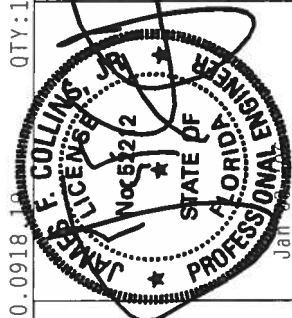
QTY:1 FL/-/5/-/-/R/-

Scale = .1875"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESI TRUSSING COMPANY'S SAFETY INFORMATION, PUBLISHED BY IPT (TRUSS PANEL INSTITUTE), 583 S. GARDEN CITY DR., SUITE 2100, GARDEN CITY, NY 11530, FOR SAFETY PRECAUTIONS PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PAINS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED CEILING JOISTS.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03, BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 1943 OXFORD DR., SUITE 200, MADISON, WI 53719, AND MICA GOOD TRUSS PRACTICES FOR 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 AIAA) AND ALPINE CONNECTION PLATE ARE MADE OF 20/17/16GA (20/15/15) ASTM A653 GRADE 40/60 (K 7/1-5) GALV. STEEL. APPLY AN INSPECTION OF ALL STEEL MEMBERS UNLESS OTHERWISE NOTED ON THIS DESIGN. POSITION PER DRAWINGS, ITEM 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	30.0 PSF	REF R215--	30093
TC DL	15.0 PSF	DATE	12/30/05
BC DL	10.0 PSF	DRW	HCUSR215 05364012
BC LL	0.0 PSF	HC-ENG RA/WHK	
TOT.LD.	55.0 PSF	SEQN-	99219
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF-	1SGT215 701

(3084 / / - - - ** - S5)

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

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

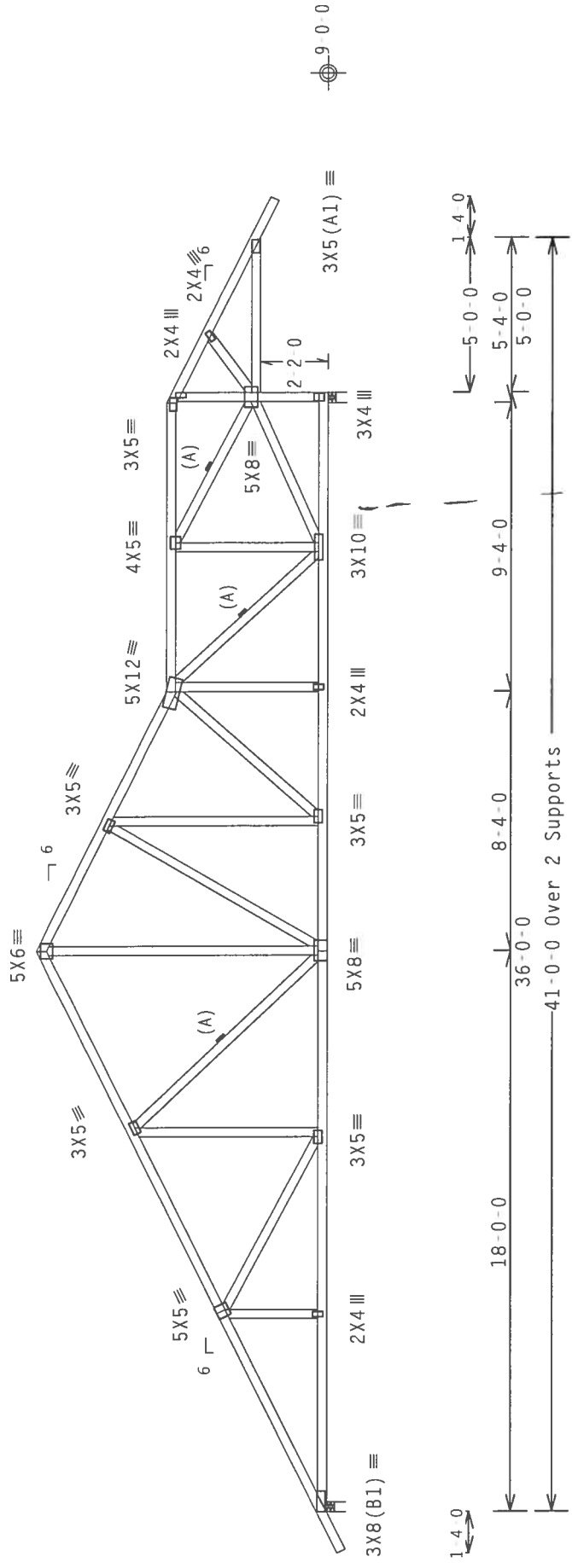
(A) Continuous lateral bracing equally spaced on member.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

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

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



R=2061 U=180 W=4"

R=2687 U=180 W=4"

PLT TYP. Wave TPI/R

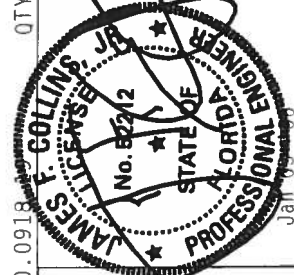
Design Crit: TPI-1995 (STD)

7.20.0918 QTY:1 FL/-/5/-/-/R/-

Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSE 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719), AND MGA (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 FAILURE OF THE TRUSS OR STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH TPI: - FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. FOR ATAPA) AND IPI. CONNECTOR PLATES ARE MADE OF 2018/16GA (4-11/2/K) ASTM A653 GRADE 40/60 (4, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IPI 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/IPI 1 SEC. 2.



REF	R215--	30094
DATE	01/03/06	
DRW	HCUSR215	06003019
HC-ENG	RA/DLJ	
SEQN-	99220	REV
FROM	LRB	
JREF-	1STG215	Z01

ALPINE

Alpine Engineered Products, Inc.
1950 W. Highway 138
Haines City, FL 33844

FL Certificate of Authorization # 567

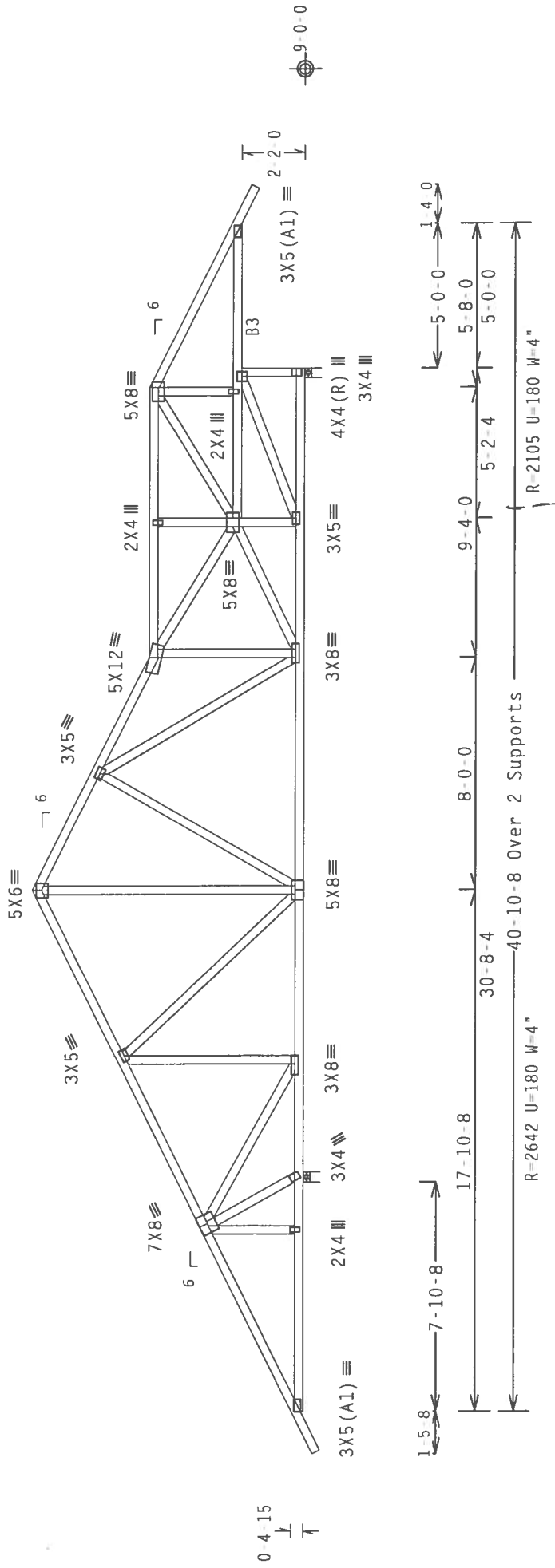
(3084 / / - - - - - S6)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N :B3 2x4 SP #2 Dense:
Webs 2x4 SP #2 N

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
Plates sized for a minimum of 3.00 sq.in./piece.
Laterally brace BC above filler at 24" oc.

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind
BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 2.00.
The overall height of this truss excluding overhang is 9-4-3.



PLT TYP. Wave TPI\R

Design Crit: TPI-1995 (STD)

7.20.0918

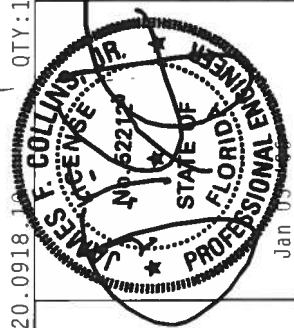
QTY:1 FL/-/5/-/R/-

Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 MAGNOLIA DR., SUITE 200, HOUSTON, TEXAS 77059), AND MECHANICAL TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., HOUSTON, TEXAS 77059, FOR ADDITIONAL INFORMATION. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR INDICATING 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. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (N-11/5X) ASTM A653 GRADE 40/60 (N, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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



TC LL	30.0 PSF	REF	R215 - -	30095
TC DL	15.0 PSF	DATE	01/03/06	
BC DL	10.0 PSF	DRW	HCUSR215	06003021
BC LL	0.0 PSF	HC-ENG	RA/DLJ	
TOT.LD.	55.0 PSF	SEQN-	167226	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1STG215	Z01

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

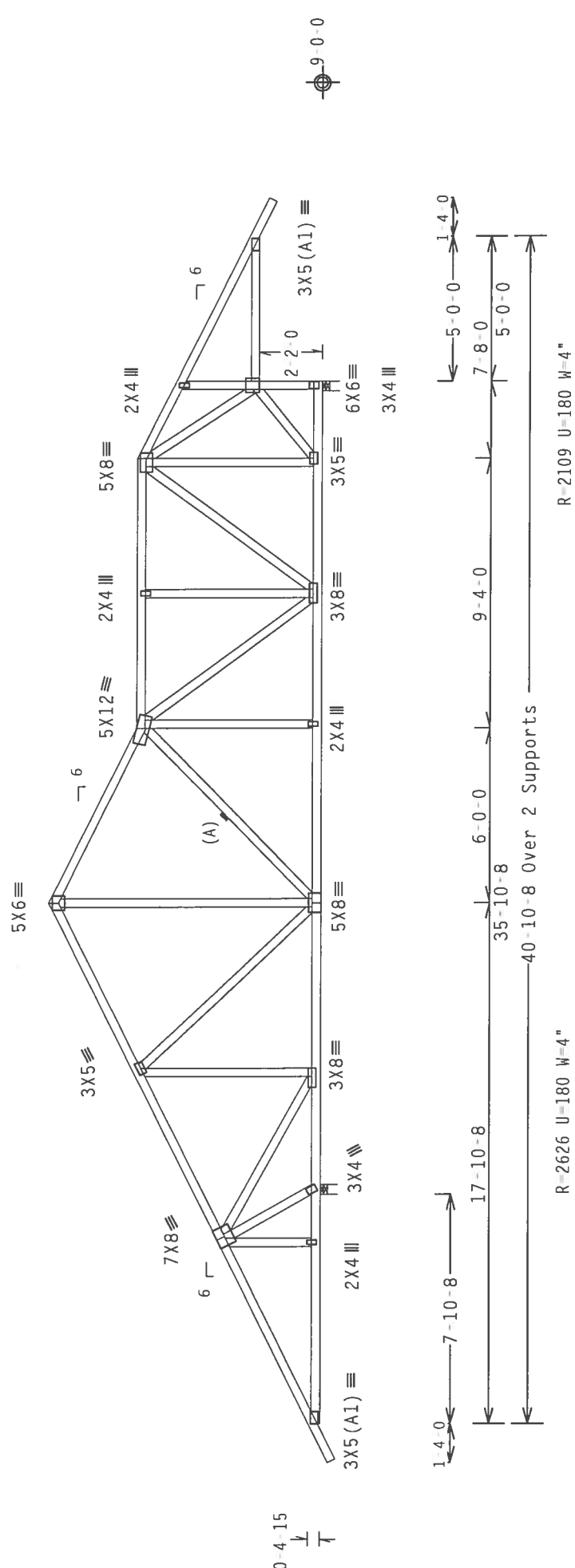
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

The overall height of this truss excluding overhang is 9' 4" 3.

NOTE:
TRUSS MAY EXHIBIT UNDESIRABLE DEFLECTION UNDER FULL DESIGN LOAD, AS THE LONG TERM EFFECTS OF CREEP HAVE NOT BEEN CONSIDERED FOR THIS DESIGN.

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 TPI\R

Design Crit: TPI-1995(STD)

7.20.0918.18

Scale = .1875"/Ft.

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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RECOMMENDATIONS FOR FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES ARE PROVIDED IN THE TPI TRUSS PLATE INSTRUCTIONS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT. THE USER SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT. THE USER SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/5X) ASTM A653 GRADE 40/60 (40 KSI/55 KSI) 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 AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) DRAWING INDICATES. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNER'S DESIGN. THE USER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENT DESIGNER'S DESIGN. THE USER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENT DESIGNER'S DESIGN.

TC LL	30.0 PSF	REF	R215 - -	30096
TC DL	15.0 PSF	DATE	12/30/05	
BC DL	10.0 PSF	DRW	HCUSR215	05364022
BC LL	0.0 PSF	HC-ENG	RA/WHK	
TOT.LD.	55.0 PSF	SEQN-	99225	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1STG215_Z01	

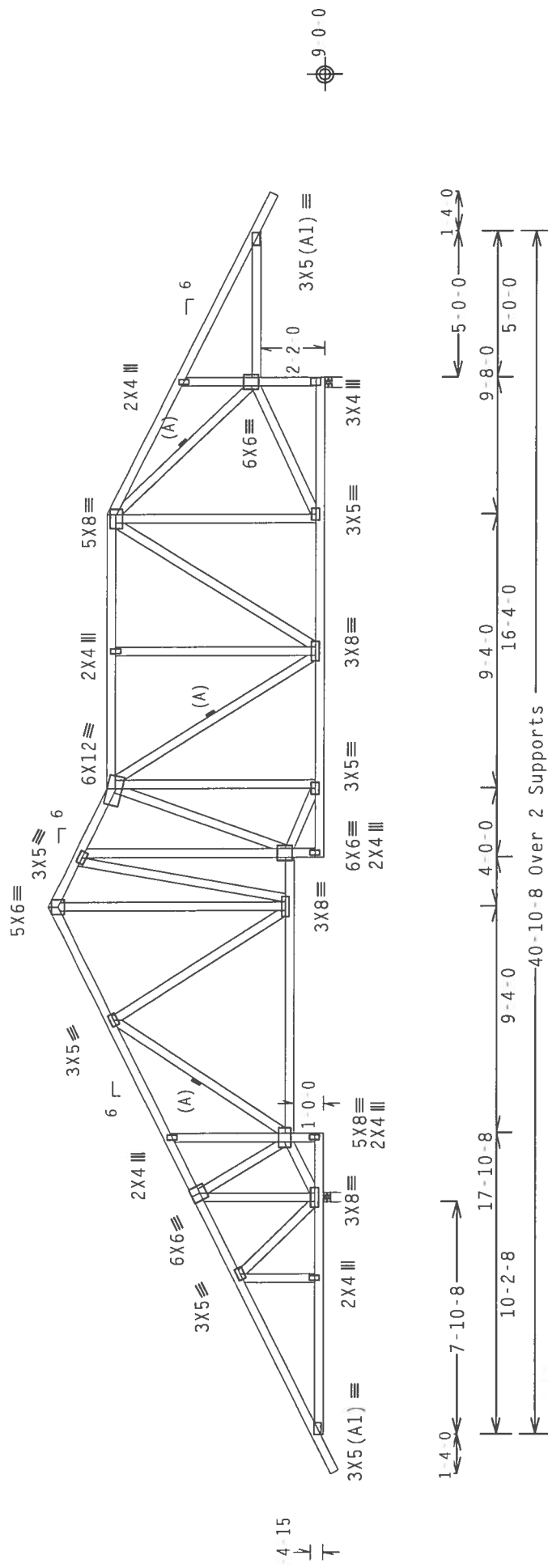
1100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

The overall height of this truss excluding overhang is 9-4-3.

NOTE: TRUSS MAY EXHIBIT UNDESIRABLE DEFLECTION UNDER FULL DESIGN LOAD, AS THE LONG TERM EFFECTS OF CREEP HAVE NOT BEEN CONSIDERED FOR THIS DESIGN.

 $R=2626 \text{ } ||=180 \text{ } W=4^{\text{th}}$ R-2109 U-180 W-4^m

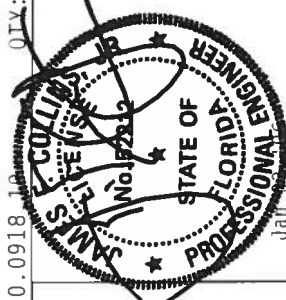
PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)

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

Scale = .1875"/Ft.

TC LL	30.0 PSF	REF R215- 30097
TC DL	15.0 PSF	DATE 12/30/05
BC DL	10.0 PSF	DRW HCURS215 05364021
BC LL	0.0 PSF	HC-ENG RA/WHK
TOT.I.D.	55.0 PSF	SEQN- 99224
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1STG215_Z01



ALPINE

Alpine Engineered Products, Inc.

1950 Marley Drive
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

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

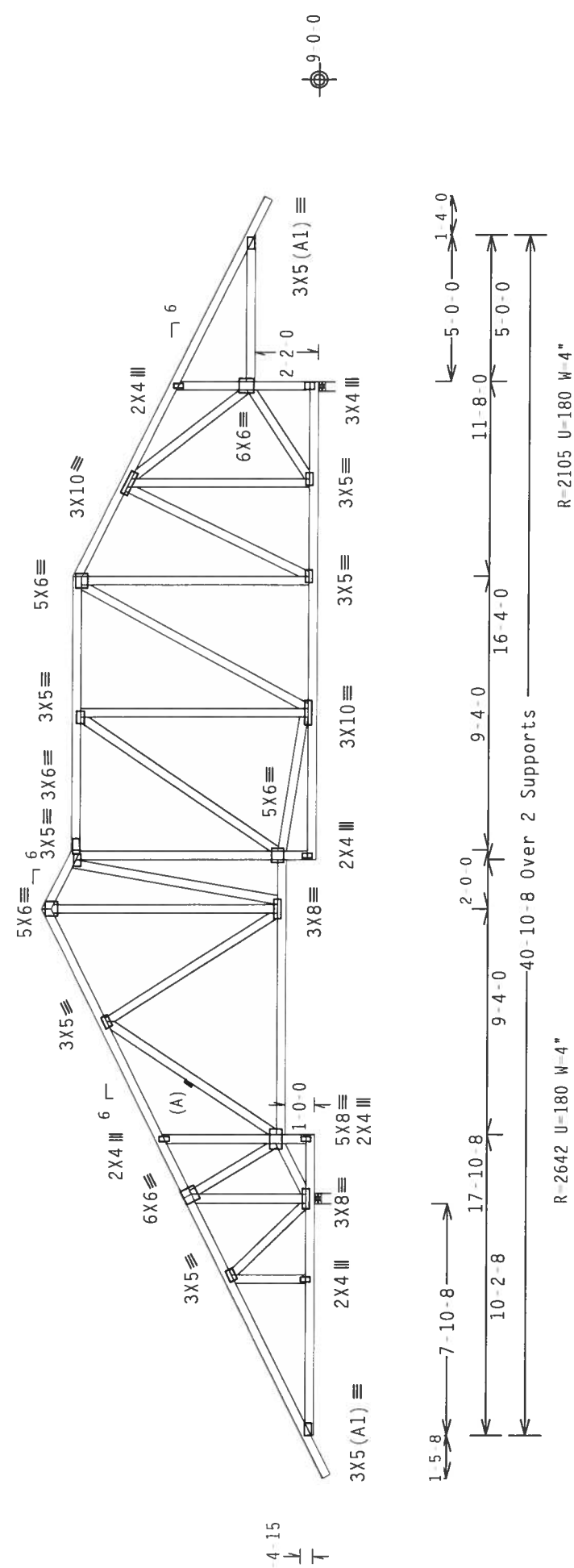
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

The overall height of this truss excluding overhang is 9'-4.3".

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

NOTE:
TRUSS MAY EXHIBIT UNDESIRABLE DEFLECTION UNDER FULL DESIGN LOAD, AS THE LONG TERM EFFECTS OF CREEP HAVE NOT BEEN CONSIDERED FOR THIS DESIGN.



PLT TYP. Wave TPI\R

Design Crit: TPI-1995(STD)

7.20.0918

Scale = .1875"/Ft.

QTY:1

FL / - / 5 / - / R / -

REF R215 - - 30098

DATE 12/30/05

DRW HCUSR215 05364020

HC-ENG RA/WHK

SEQN- 99353 REV

FROM LRB

JREF- 1STG215_Z01

ALPINE

Alpine Engineered Products, Inc.

Haines City, FL 33844

FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS IS A PRE-ENGINEERED PRODUCT. IT IS THE RESPONSIBILITY OF THE INSTALLER TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN, OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE TRUSS IS NOT TO BE USED FOR ANY OTHER PURPOSES THAN THAT FOR WHICH IT WAS DESIGNED. THE TRUSS IS NOT TO BE MODIFIED IN ANY MANNER. THE TRUSS IS NOT TO BE USED FOR ANY OTHER PURPOSES THAN THAT FOR WHICH IT WAS DESIGNED. THE TRUSS IS NOT TO BE MODIFIED IN ANY MANNER. THE TRUSS IS NOT TO BE USED FOR ANY OTHER PURPOSES THAN THAT FOR WHICH IT WAS DESIGNED. THE TRUSS IS NOT TO BE MODIFIED IN ANY MANNER.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN, OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE TRUSS IS NOT TO BE USED FOR ANY OTHER PURPOSES THAN THAT FOR WHICH IT WAS DESIGNED. THE TRUSS IS NOT TO BE MODIFIED IN ANY MANNER. THE TRUSS IS NOT TO BE USED FOR ANY OTHER PURPOSES THAN THAT FOR WHICH IT WAS DESIGNED. THE TRUSS IS NOT TO BE MODIFIED IN ANY MANNER.

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

BC DL=5.0 psf.
within 6.50 ft from roof edge, CAI II, EXP B, wind IC DL=7.5 psf, wind

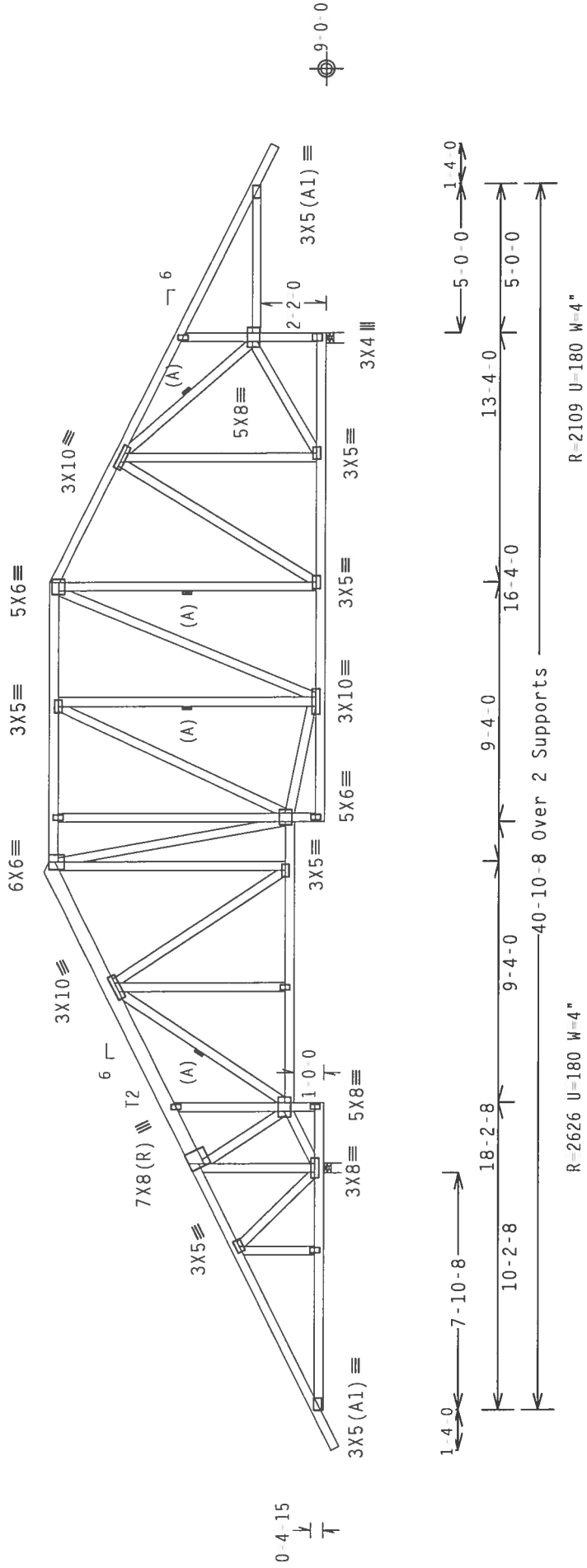
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

The overall height of this truss excluding overhang is 9-4-3.

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.



Note: All Plates Are 2X4 Except As Shown.

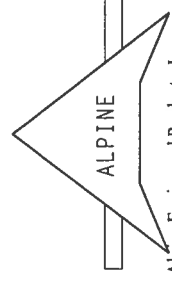
PLT TYP. Wave TPI/R

Design Crit: TPI-1995(STD)

7.20.0918.19

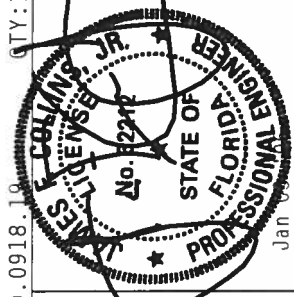
QTY:1 EL / - / 5 / - / - / R / -

Scale = 1875"/Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO SPEC 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLECE INSTITUTE, 583 D'OROFIO 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.

PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY REVISIONS TO BUILDING TRUSS IN CONFORMANCE WITH TPI. THE DESIGNER SHALL BE RESPONSIBLE FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSS IN CONFORMANCE WITH TPI. THE DESIGNER SHALL BE RESPONSIBLE FOR DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166GA. 041/25/2SE ASTM A653 GRADE 40/60 (4/ 4, 3/16, 1/2) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, WHEN/WHENEVER LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX 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/TP1 1 SEC. 2.



TC LL	30.0	PSF	REF	R215 -	30099
TC DL	15.0	PSF	DATE	01/03/06	
BC DL	10.0	PSF	DRW	HCUSR215	06003022
BC LL	0.0	PSF	HC-ENG	RA/DLJ	
TOT.LD.	55.0	PSF	SEQN-	167155	
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF-	1STG215	Z01

(3084 / / - - - ** - S11)

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

(A) Continuous lateral bracing equally spaced on member.

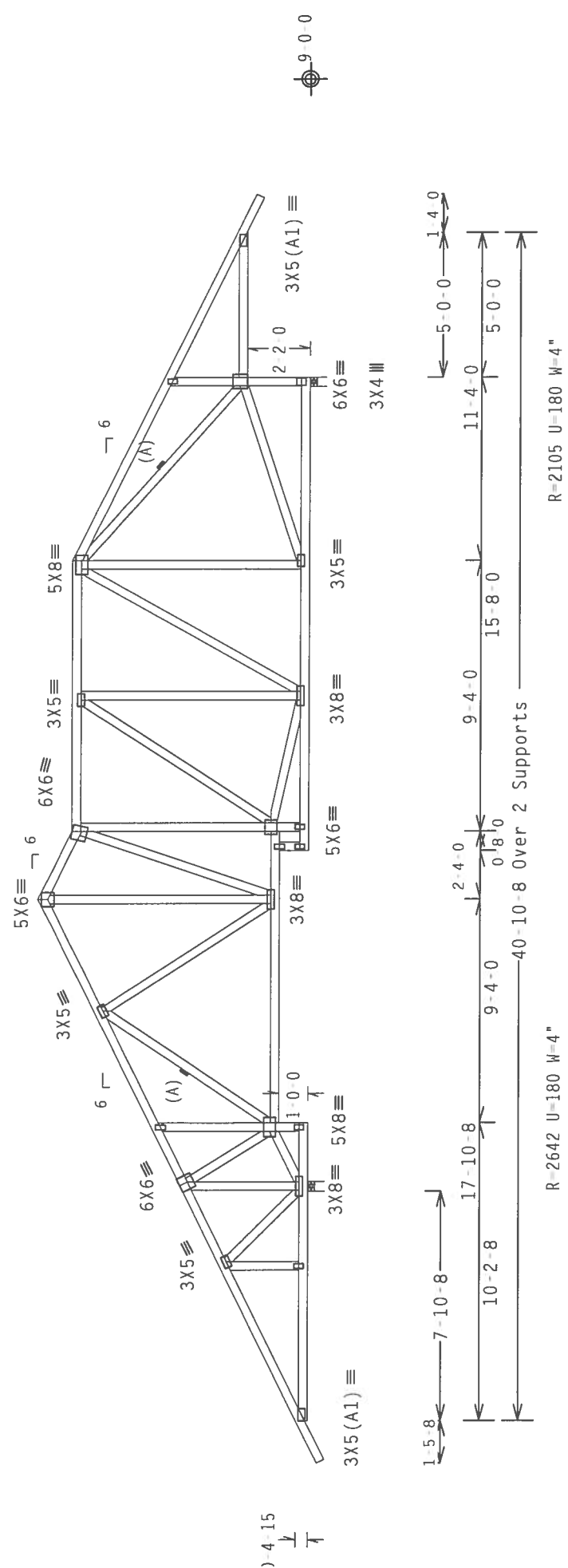
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.

The overall height of this truss excluding overhang is 9'-4.3".

SEE DWGS TCFILLER1103 AND BCFILLER1103 FOR FILLER DETAILS. LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C. INCLUDING A LATERAL BRACE AT CHORD ENDS.

NOTE:
TRUSS MAY EXHIBIT UNDESIRABLE DEFLECTION UNDER FULL DESIGN LOAD, AS THE LONG TERM EFFECTS OF CREEP HAVE NOT BEEN CONSIDERED FOR THIS DESIGN.

100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 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.



Note: All Plates Are 2X4 Except As Shown.

PLT TYP. Wave TPI/R

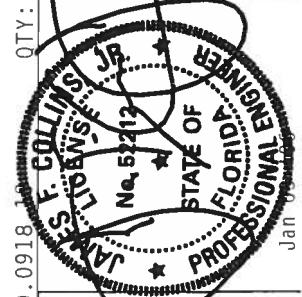
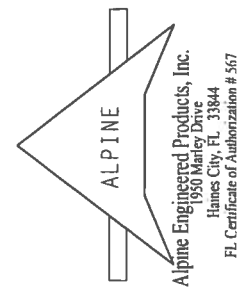
Design Crit: TPI-1995 (STD)

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

Scale = .1875" / Ft.

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

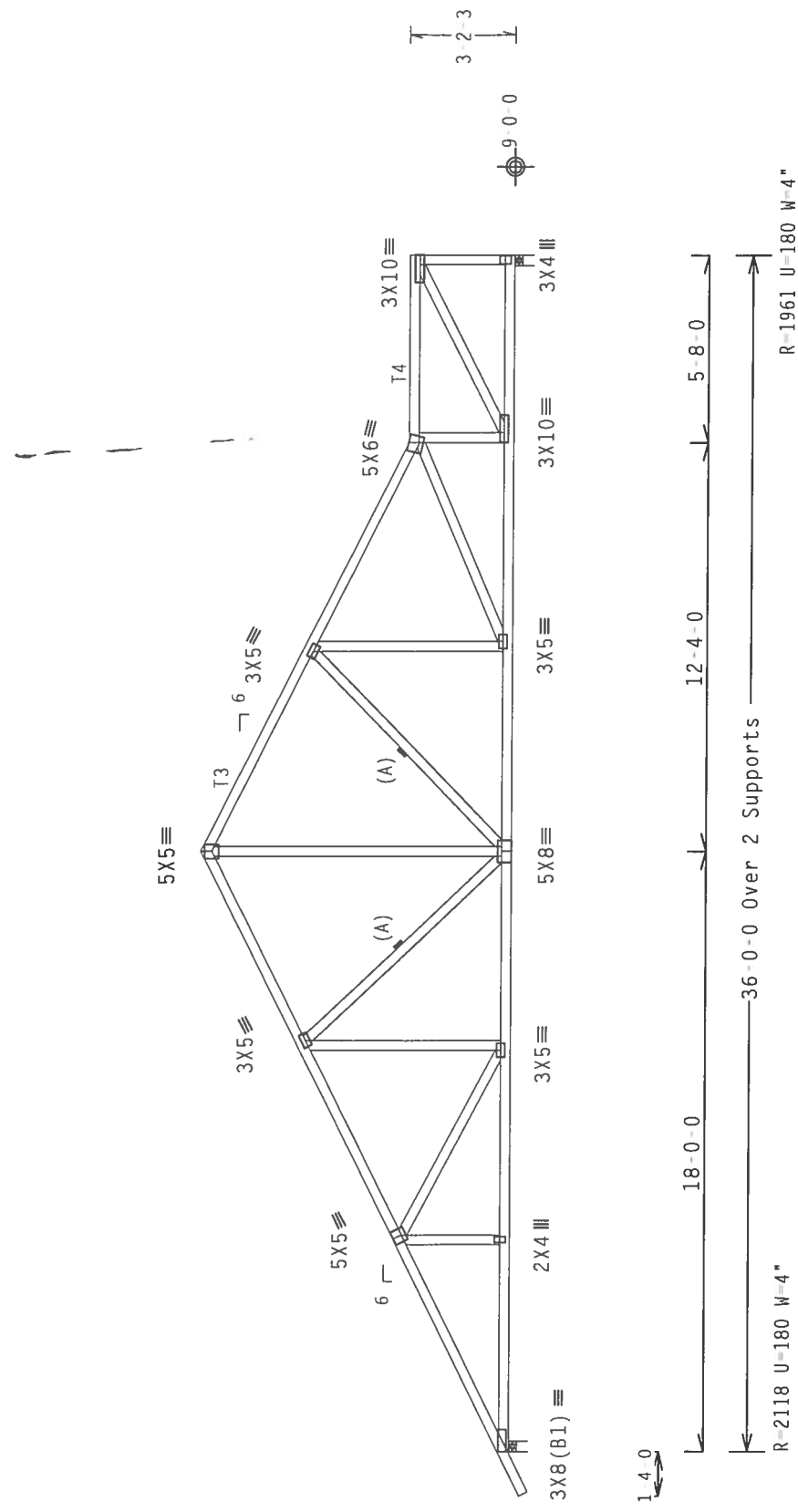
****IMPORTANT**** TURN IN A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. TRUSSES IN CONFORMANCE WITH TPI DESIGN PROVISIONS OF THIS NATIONAL DESIGN SPEC. BY MEANS OF THE ALPINE CONNECTOR PLATES ARE MADE OF 20/10/10GA (4-H/5/8) ASTM A653 GRADE 40/60 (4. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS LEGA 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.



REF	R215--	30100
DATE	12/30/05	
DRW	HCUSR215	05364013
HC-ENG	RA/WHK	
SEQN	99221	
FROM	LRB	
JREF	1STG215	Z01

Top chord 2x4 SP #2 N :T3, T4 2x4 SP #2 Dense:
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

(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.
100 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=7.5 psf, wind BC DL=5.0 psf.
Right end vertical not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 2.00.
The overall height of this truss excluding overhang is 9'4".



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

PLT TYP. Wave TPI/R

Design Crit: TPI-1995(STD)

7.20.0918

QTY: 1

FL / - / 5 / - / R / -

Scale = .1875" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. 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. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (4-11/16) IN. 40960 (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. UNLESS OTHERWISE INDICATED, ACCEPTANCE OF PROTECTIVE COATING SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENT DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

REF	R215--	30102
DATE	01/03/06	
DRW	HCUSR215	06003023
HC-ENG	RA/DLJ	
SEQN-	167162	
FROM	LRB	
JREF	1STG215_Z01	

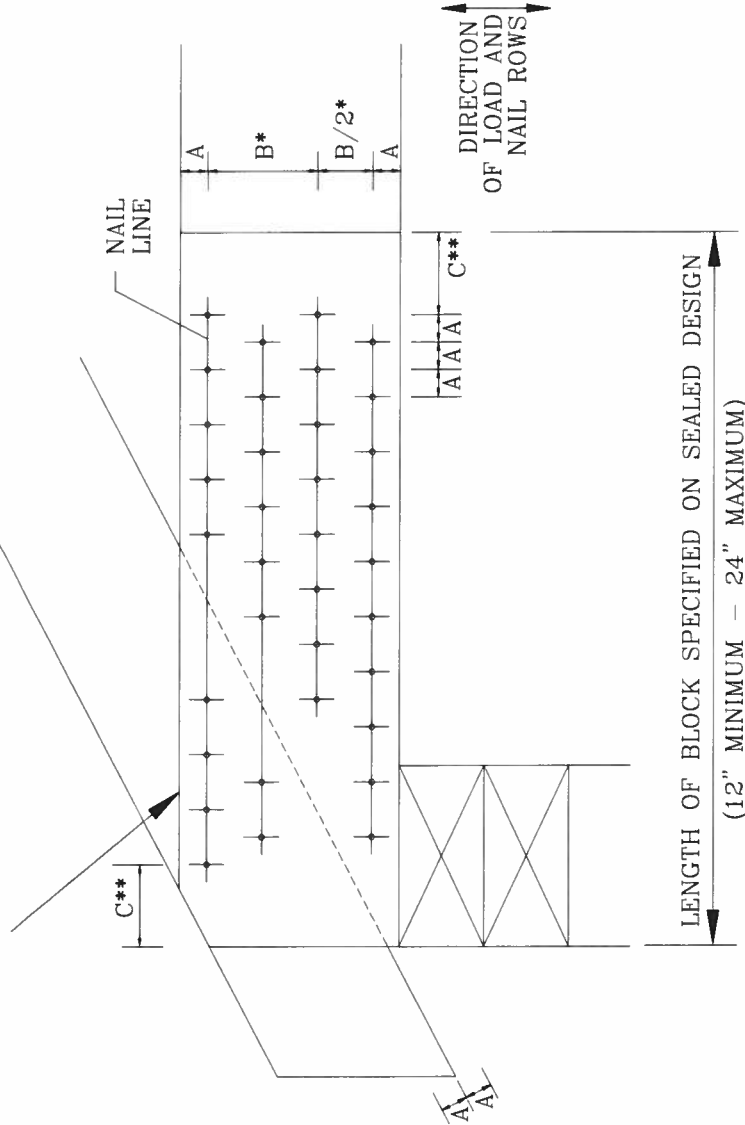
BEARING BLOCK NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

- A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
- B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
- C - END DISTANCE (15 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
 • SPACING MAY BE REDUCED BY 50%
 • SPACING MAY BE REDUCED BY 33%

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (F_c -perp) IS AT LEAST THAT OF THE CHORD.



MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

NAIL TYPE	CHORD SIZE					
	2X4	2X6	2X8	2X10	2X12	
8d BOX (0.113"x2.5")	3	6	9	12	15	
10d BOX (0.128"x3")	3	5	7	10	12	
12d BOX (0.128"x3.25")	3	5	7	10	12	
16d BOX (0.135"x3.5")	3	5	7	10	12	
20d BOX (0.148"x4")	2	4	5	6	8	
8d COMMON (0.131"x2.5")	3	5	7	10	12	
10d COMMON (0.148"x3")	2	4	6	8	10	
12d COMMON (0.148"x3.25")	2	4	6	8	10	
16d COMMON (0.162"x3.5")	2	4	6	8	10	
0.120"x2.5" GUN	3	6	8	11	14	
0.131"x2.5" GUN	3	5	7	10	12	
0.120"x3.0" GUN	3	6	8	11	14	
0.131"x3.0" GUN	3	5	7	10	12	

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES		
	A	B*	C**
8d BOX (0.113"x2.5")	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"x3")	7/8"	1 5/8"	2"
12d BOX (0.128"x3.25")	7/8"	1 5/8"	2"
16d BOX (0.135"x3.5")	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"x4")	1"	1 7/8"	2 1/4"
8d COMMON (0.131"x2.5")	7/8"	1 5/8"	2"
10d COMMON (0.148"x3")	1"	1 7/8"	2 1/4"
12d COMMON (0.148"x3.25")	1"	1 7/8"	2 1/4"
16d COMMON (0.162"x3.5")	1"	2"	2 1/2"
0.120"x2.5" GUN	3/4"	1 1/2"	1 7/8"
0.131"x2.5" GUN	7/8"	1 5/8"	2"
0.120"x3.0" GUN	3/4"	1 1/2"	1 7/8"
0.131"x3.0" GUN	7/8"	1 5/8"	2"

THIS DRAWING REPLACES DRAWING B139 AND CNBRGLK0699

REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGLK1103
-ENG	SJP/KAR

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 983 DOWNSIDE DR., SUITE 200, MADISON, VT 53719) AND WPCA (WOOD TRUSS COUNCIL, 1000 ENTERPRISE BLVD., MADISON, VT 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. THESE FUNCTIONS MUST BE PERFORMED BY PERSONNEL TRAINED IN THE PROPER USE OF STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/S/K) ASTM A653 GRADE 50 (GALVALUME) STEEL. CONNECTOR PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED BY A DESIGNATION, SHALL BE PERMANENTLY ATTACHED TO THE TRUSS. THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
POMPANOE BEACH, FLORIDA

No. 80212

STATE OF FLORIDA

PROFESSIONAL ENGINEER

JAMES E. COLLINS JR.

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	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

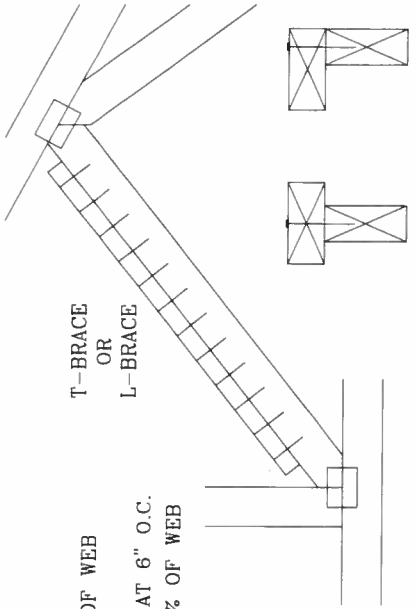
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING

OR

L-BRACING:

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

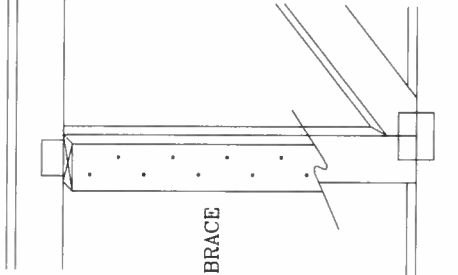


T-BRACE

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 BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONDRE DR., SUITE 200, MADISON, WI. 53719), AND WTC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL 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. IT IS THE RESPONSIBILITY OF THE TRUSS FABRICATOR TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/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 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE THE RESPONSIBILITY OF THE TRUSS FABRICATOR. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING. IT IS THE RESPONSIBILITY OF THE TRUSS FABRICATOR TO MAINTAIN 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.
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	BRCBLSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			