

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:1SSZ2888Z0614094158

Truss Fabricator: Arnold Truss Company
Job Identification: 19311-HOMES BY WHITTAKER / #2021 ACUNA RES.
Truss Count: 46
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-1995(STD)/FBC
Engineering Software: Alpine Software, Version 7.10.
Structural Engineer of Record:
Address:

Minimum Design Loads: Roof - 37.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-98 -Partially Enclosed

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: HCUSR2888

Details: VALCONVF

Seal Date: 12/14/2005

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



#	Ref	Description	Drawing#	Date
1	96068--T-1		05347166	12/13/05
2	96069--T-2		05347140	12/13/05
3	96070--T-3		05347139	12/13/05
4	96071--T-4		05347141	12/13/05
5	96072--T-5		05347142	12/13/05
6	96073--T-6		05347143	12/13/05
7	96074--T-7		05347136	12/13/05
8	96075--T-8		05347170	12/13/05
9	96076--T-9		05347144	12/13/05
10	96077--T-10		05347146	12/13/05
11	96078--T-11		05347156	12/13/05
12	96079--T-12		05347155	12/13/05
13	96080--T-13		05347171	12/13/05
14	96081--T-14		05347158	12/13/05
15	96082--T-15		05347150	12/13/05
16	96083--T-16		05347127	12/13/05
17	96084--T-17		05347154	12/13/05
18	96085--T-18		05347153	12/13/05
19	96086--T-19		05347152	12/13/05
20	96087--T-20		05347138	12/13/05
21	96088--T-21		05347157	12/13/05
22	96089--T-22		05347137	12/13/05
23	96090--T-23		05347131	12/13/05
24	96091--T-24		05347130	12/13/05
25	96092--T-25		05347129	12/13/05
26	96093--T-26		05347128	12/13/05
27	96094--T-27		05347172	12/13/05
28	96095--T-28		05347151	12/13/05
29	96096--T-29		05347145	12/13/05
30	96097--T-30		05347162	12/13/05
31	96098--T9A		05347161	12/13/05
32	96099--J7		05347135	12/13/05
33	96100--J7A		05347163	12/13/05
34	96101--J7B		05347169	12/13/05
35	96102--J6		05347164	12/13/05
36	96103--J3		05347168	12/13/05

#	Ref	Description	Drawing#	Date
37	96104--J3A		05347165	12/13/05
38	96105--CJ5		05347133	12/13/05
39	96106--CJ3		05347134	12/13/05
40	96107--CJ1		05347159	12/13/05
41	96108--CJ1A		05347160	12/13/05
42	96109--HJ10		05347132	12/13/05
43	96110--HJ5		05347167	12/13/05
44	96111--HJ4		05347149	12/13/05
45	96112--HJ4A		05347148	12/13/05
46	96113--HJ4B		05347147	12/13/05



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1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID: 1SSZ2888Z0614094158

Truss Fabricator: Arnold Truss Company
Job Identification: 19311-HOMES BY WHITTAKER / #2021 ACUNA RES. (JUSTICE #1381 OCALA, FL)
Truss Count: 2
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-1995(STD)/FBC
Engineering Software: Alpine Software, Version 7.10.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 37.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-98 -Partially Enclosed

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: HCUSR2888

Seal Date: 12/14/2005

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

Revised Trusses

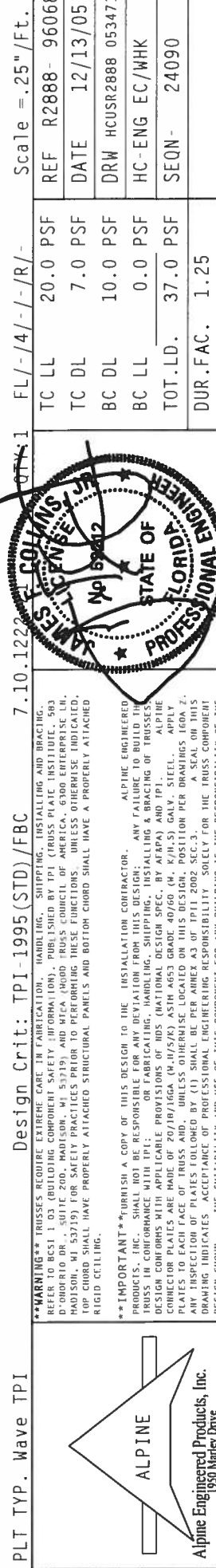
#	Ref	Description	Drawing#	Date
1	96084--T-17		05347154	12/13/05
2	96088--T-21		05347157	12/13/05



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

Roof overhang supports 2.00 psf soffit load.

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



Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #2 N

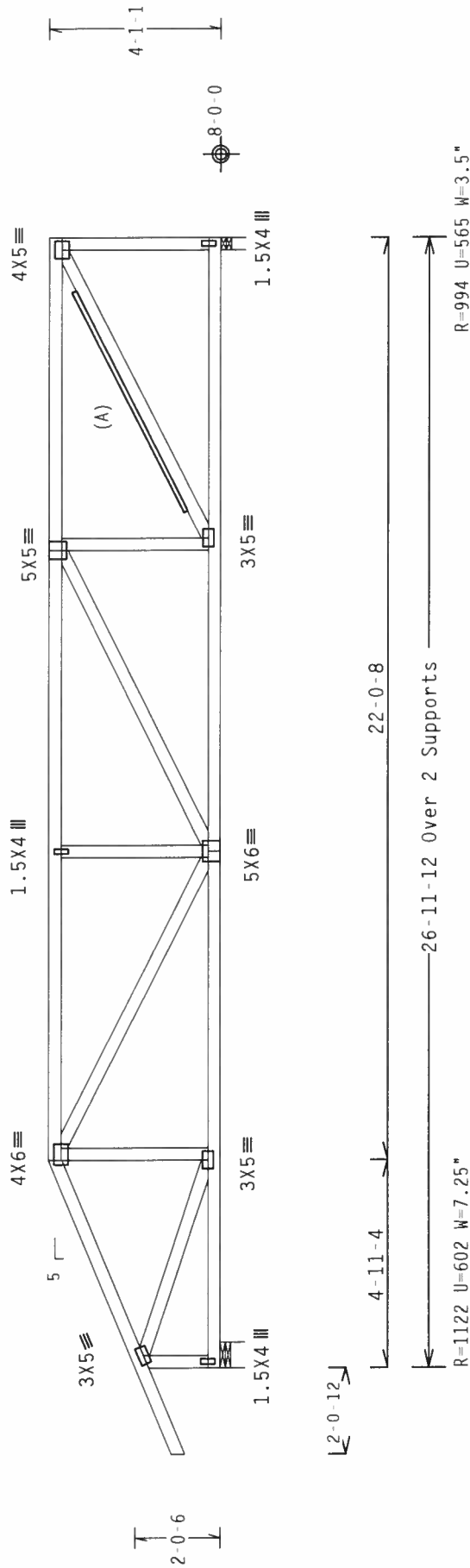
110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Components and cladding wind pressures considered for uplift callouts.

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

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

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.10.1222

QTY:1 FL/-/4/-/R/-

Scale = .25"/Ft.

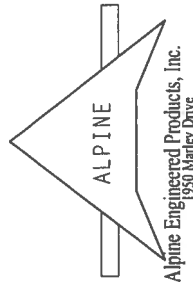
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719), AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 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**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE DESIGNING OF THE TRUSS SHALL BE THE RESPONSIBILITY OF THE DESIGNER. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. APPLICABLE 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. THE CULPABILITY AND USE OF THIS DOCUMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE USER.



TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT. LD.	37.0 PSF
DUR. FAC.	1.25

REF	R2888- 96069
DATE	12/13/05
DRW	HCUSR2888 05347140
HC-ENG EC/WHK	
SEQN	45529



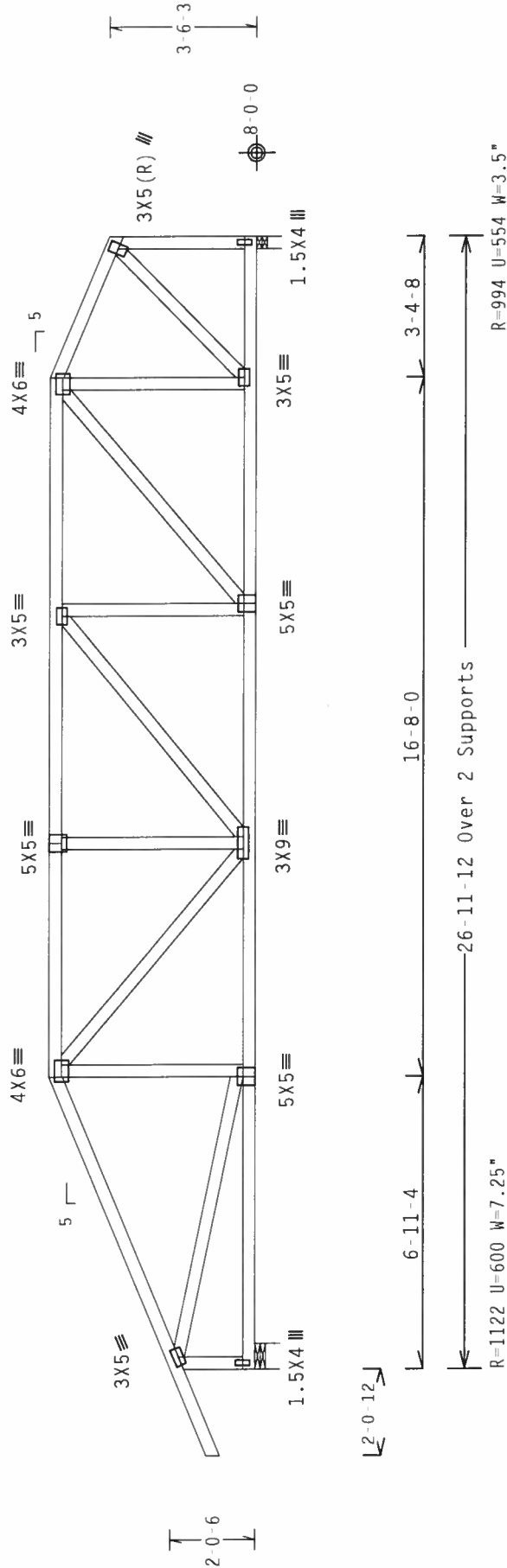
Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #2 N

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Components and cladding wind pressures considered for uplift callouts.

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

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.10.1222

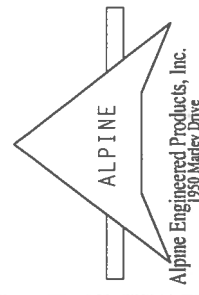
QTY:1 FL/-4/-/-/R/-

Scale = .25"/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, 543 D-ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LP, 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 DEVIATIONS FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE TRUSS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. APPLY CONNECTOR PLATES ARE MADE OF 2018/16GA (N/A/S/K) ASTM A653 GRADE 40/60 (N, R/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. THE CONTRACTOR AND USER OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE USER.

TC LL	20.0 PSF	REF R2888- 96070
TC DL	7.0 PSF	DATE 12/13/05
BC DL	10.0 PSF	DRW HCUSR2888 05347139
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	37.0 PSF	SEQN- 45525
DUR.FAC.	1.25	



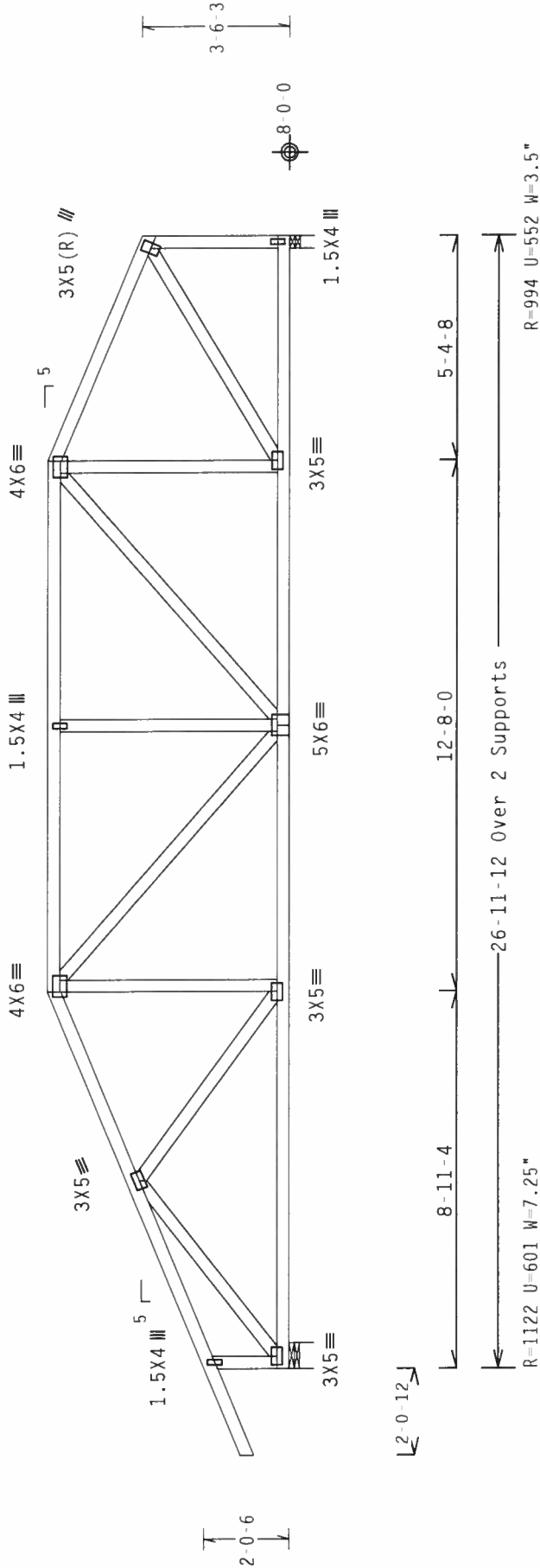
Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #2 N

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Components and cladding wind pressures considered for uplift callouts.

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

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

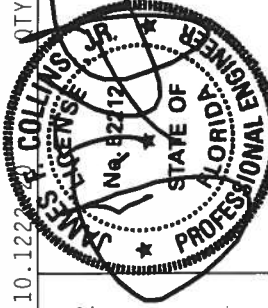
7.10.1222

QTY:1 FL/-/4/-/R/-

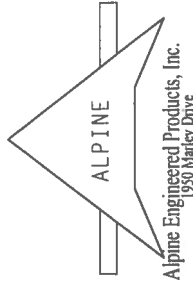
Scale = .25"/Ft.

****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 D-ORFORD DR., SUITE 200, MADISON, WI 53719), AND MECA (GOOD TRUSS GUIDELINE 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 BE RESPONSIBLE FOR THE DESIGN, FABRICATION, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH TPI-1995 (STD) AND MECA (GOOD TRUSS GUIDELINE OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719). UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. 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 DESIGNER.



REF	R2888- 96071
DATE	12/13/05
DRW	HCUSR2888 05347141
HC-ENG	EC/WHK
SEQN-	45521



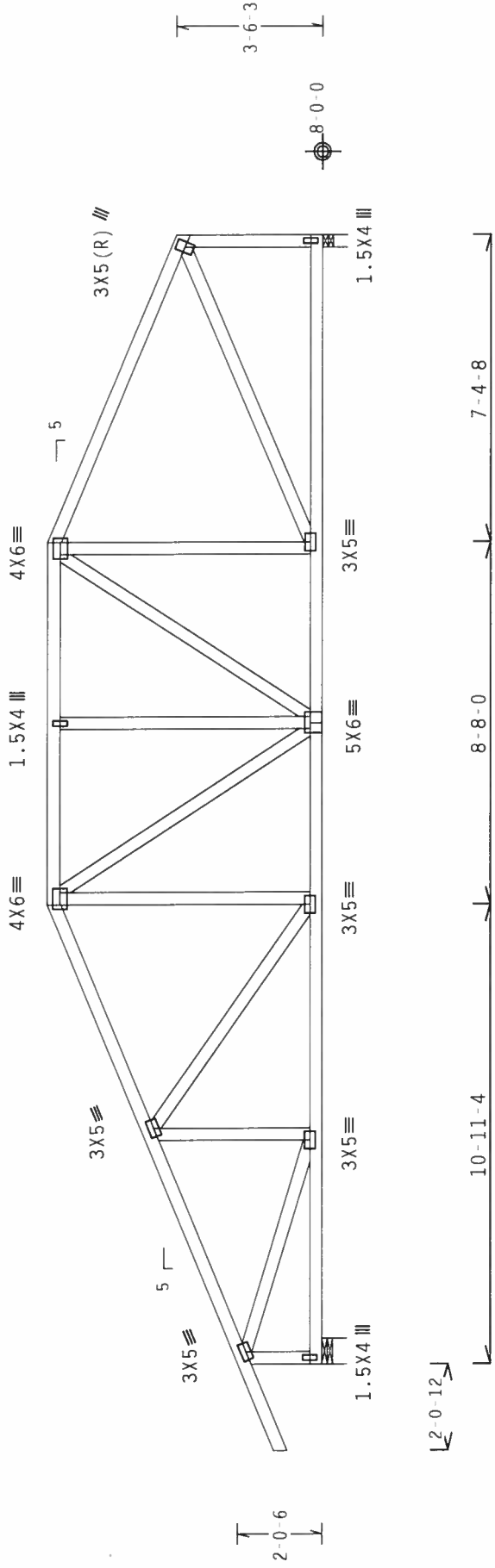
Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #2 N

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Components and cladding wind pressures considered for uplift callouts.

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

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

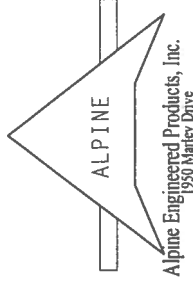
7.10.1222 QTY:1 FL/-/4/-/R/-

Scale = .25"/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'ORFORD DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. INSTALLING AND BRACING OF TRUSSES SHALL CONFORM WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. FOR STEEL TRUSSES AND JOISTS. CONNECTOR PLATES ARE MADE OF 2018/7166A (IN 1/2"/3" ASTH A653 GRADE 40/50 (41, K/H S) 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 ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THIS DOCUMENT IS THE PROPERTY OF ALPINE ENGINEERED PRODUCTS, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF ALPINE ENGINEERED PRODUCTS, INC.

REF	R2888 - 96072
DATE	12/13/05
DRW	HCUSR2888 05347142
HC-ENG	EC/WHK
SEQN	45517



Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #2 N

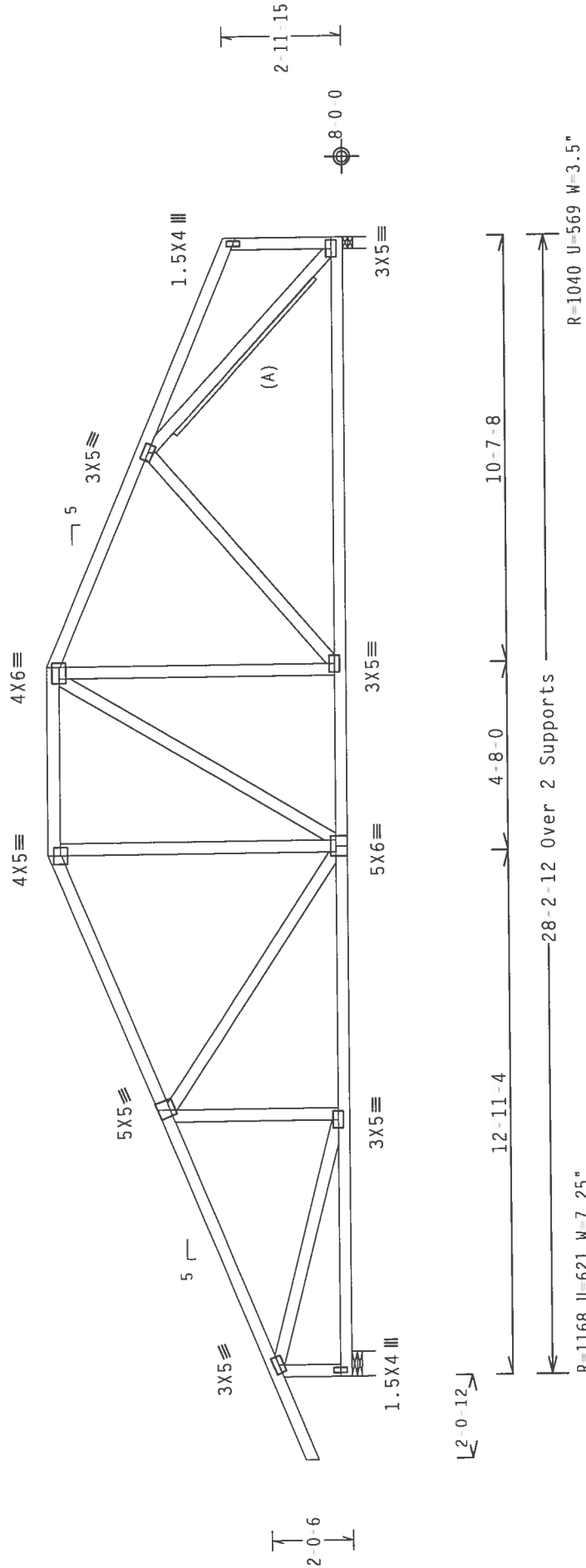
Components and cladding wind pressures considered for uplift callouts.

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

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

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

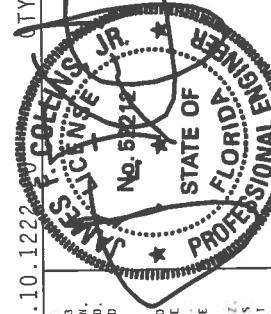
7.10.1222 TV:1 FL/-/4/-/R/-

Scale = .25" /Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. 503 HANDBOOK, 1995 EDITION, NATIONAL TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 90% NATIONAL DESIGN SPEC. BY ACPA) AND TPI STEEL CONNECTOR PLATES ARE MADE OF 20/18/16GA (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. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY IS SOLELY FOR THE TRUSS COMPONENT DRAWING INDICATES.

TC LL	20.0 PSF	REF	R2888 - 96073
TC DL	7.0 PSF	DATE	12/13/05
BC DL	10.0 PSF	DRW	HCUSR2888 05347143
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	37.0 PSF	SEQN	45513
DUR.FAC.	1.25		

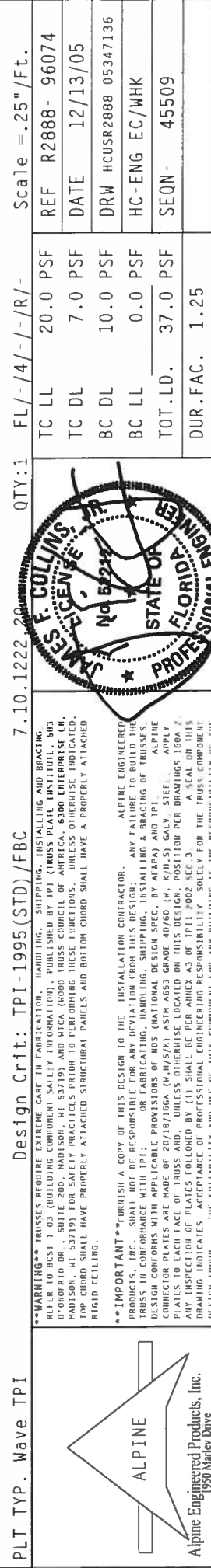


ALPINE

Alpine Engineered Products, Inc.

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #2 N

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART- ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

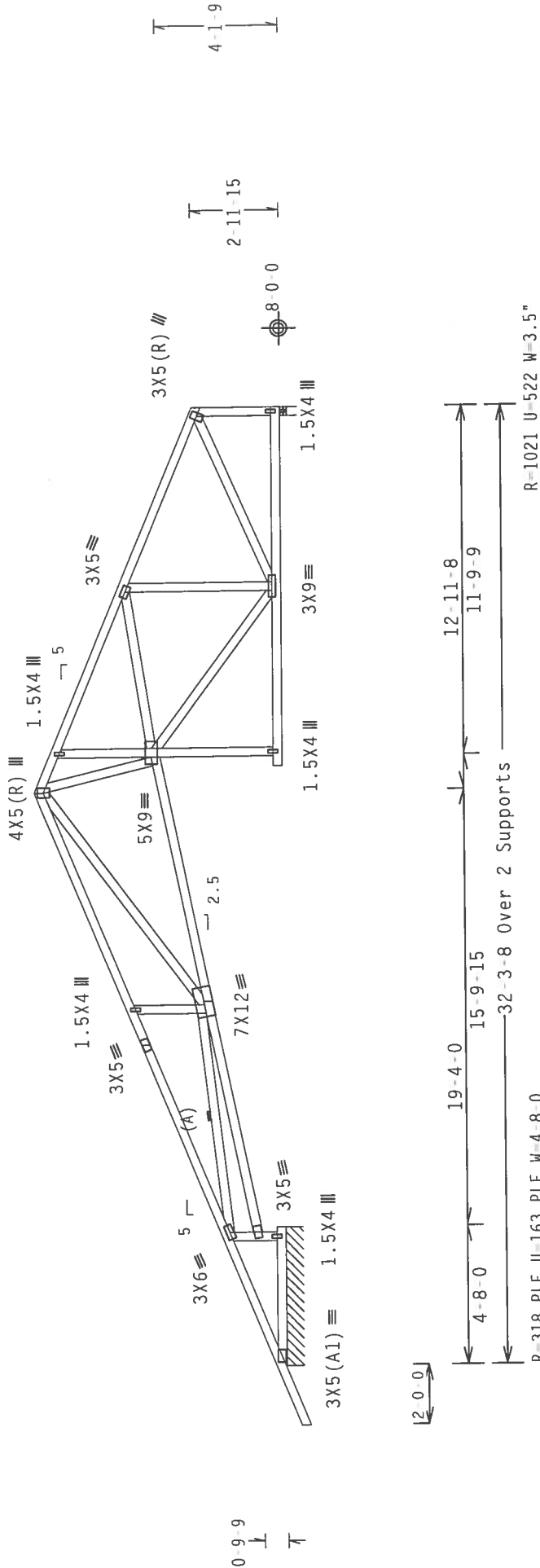
Components and cladding wind pressures considered for uplift callouts.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

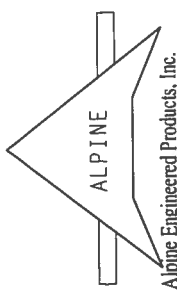
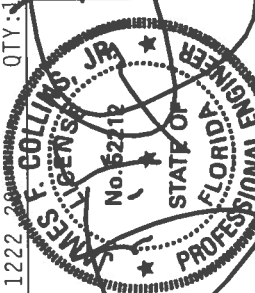
7.10.1222.28

Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BOLTING, BRACING, AND INSTALLATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 MADISON AVE, 53219), AND MECA (METAL ERECTORS' 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 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 2018/10GA (W-H/S/K) ASTM A653 GRADE 40/60 (40 KSI) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA 33 OF TPI 2008 SPEC. (2) SHALL BE PER AREA 33 OF TPI 2008 SPEC. DRIVING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.

QTY: 1	FL / - / 4 / - / R / -	TC LL	20.0 PSF	REF	R2888 - 96075
		TC DL	7.0 PSF	DATE	12/13/05
		BC DL	10.0 PSF	DRW	HCUSR2888 05347170
		BC LL	0.0 PSF	HC-ENG	EC/WHK
		TOT.LD.	37.0 PSF	SEQN	109073
		DUR.FAC.	1.25		



110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.38" due to live load and 0.31" due to dead load.

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

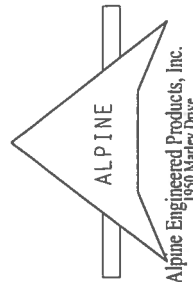
[illegible]

Scale = .125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BECS 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPTI (TRUSS PLATE INSTITUTE, 583 WEST 9TH STREET, SUITE 200, MADISON, WI 53719) AND WFA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PROVIDE AN EXPLANATION FROM THIS DESIGNER AS TO ANY FAILURES TO BUILDING CODES OR COMPLIANCE WITH APPLICABLE PROVISIONS OF ADS (NATIONAL DESIGN SPEC, BY AISC) AND IPTI ALPINE TRUSS CONFORMANCE WITH APPLICABLE PROVISIONS OF ADS (NATIONAL DESIGN SPEC, BY AISC) AND IPTI ALPINE CONNECTOR PLATES MADE OF 20/18/16GA (W/M/S/I) ASTM A653 GRADE 40/D60 (H/V/S-I GALV. STEEL). APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF IPTI 2002 SEC.3.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR TRUSS COMPONENT



Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #2 N

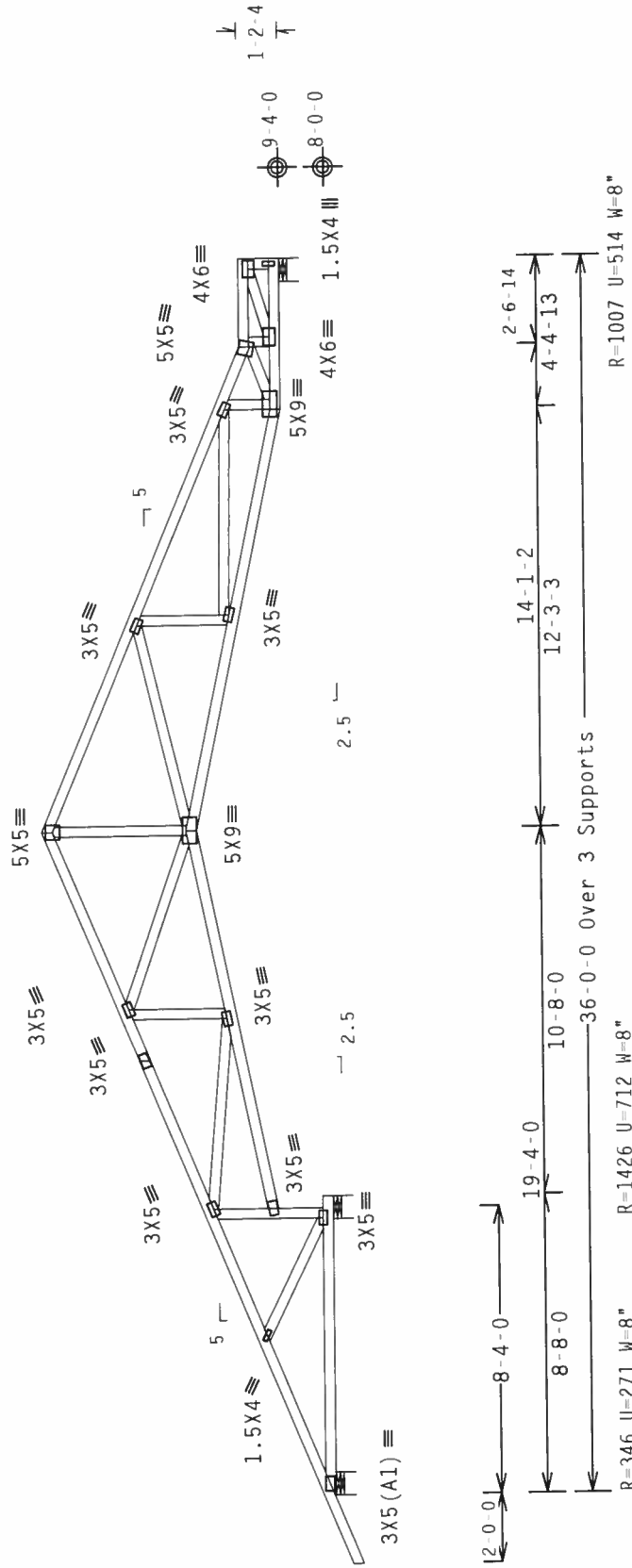
Components and cladding wind pressures considered for uplift callouts.

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

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Roof overhang supports 2.00 psf soffit load.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.10.1222

QTY: 3 FL/-/4/-/R/-

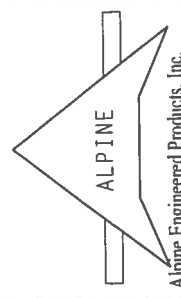
Scale = .1875" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-503 (PUBLISHED BY THE TRUSS PLATE INSTITUTE, 583 MADISON, MI 48219) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR, MADISON, MI 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 TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PAJ AND TPI1. ALPINE CONNECTOR PLATES ARE MADE OF 70/19/16GA (N-H/S/K) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS FOR 2" ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



REF	R2888	96077
DATE	12/13/05	
DRW	HCUSR2888	05347146
HC-ENG	EC/WHK	
SEQN	23511	
TOT.LD.	37.0 PSF	
DUR.FAC.	1.25	



Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #2 N

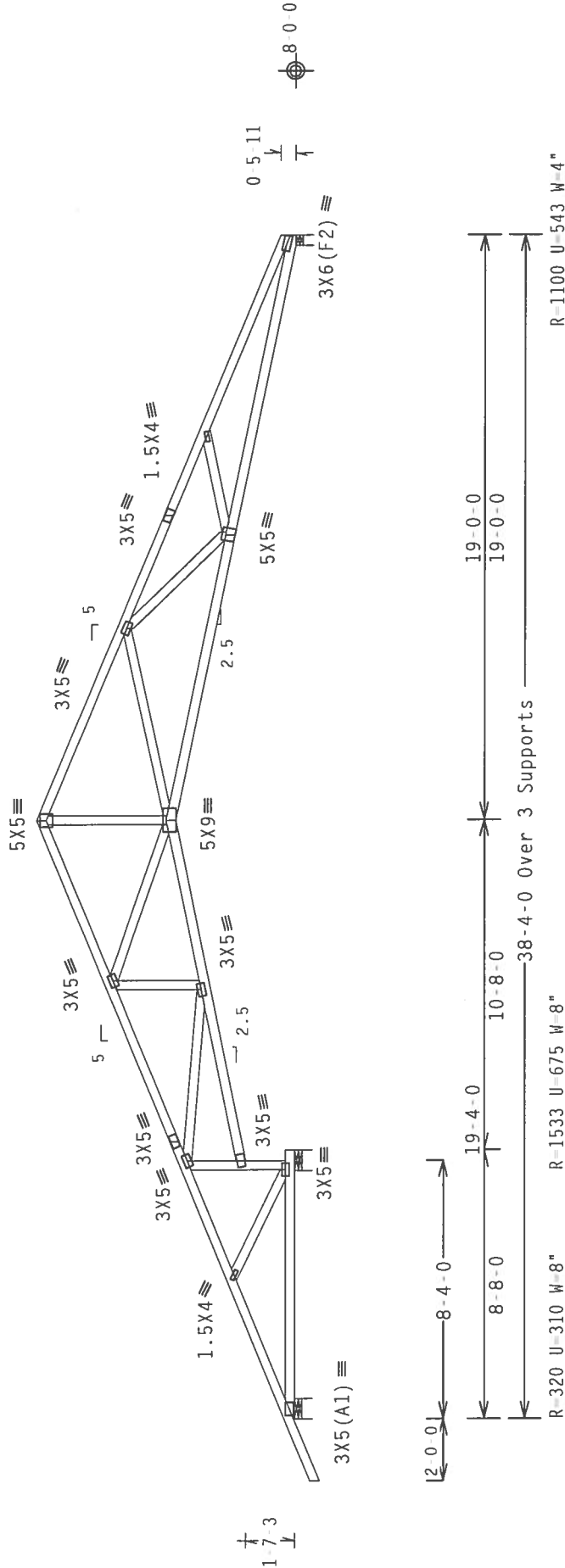
110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Components and cladding wind pressures considered for uplift callouts.

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

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

Shim all supports to solid bearing.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

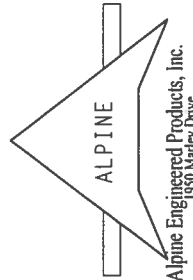
7.10.1222

QTY:1 FL/-4/-/R/-

Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ORFORD DR., SUITE 200, MADISON, WI 53719) AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: (1) FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES OR (2) CONSTRUCTION AND/OR ERECTION SHALL BE THE RESPONSIBILITY OF THE INSTALLER. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: (1) FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES OR (2) CONSTRUCTION AND/OR ERECTION SHALL BE THE RESPONSIBILITY OF THE INSTALLER. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: (1) FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES OR (2) CONSTRUCTION AND/OR ERECTION SHALL BE THE RESPONSIBILITY OF THE INSTALLER.



TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT. LD.	37.0 PSF
DUR. FAC.	1.25

REF	R2888- 96078
DATE	12/13/05
DRW	HCUSR2888 05347156
HC	ENG EC/WHK
SEQN	108974

	Top	chord	2x4	SP	#1
Bot	chord	2x4	SP	#1	
	webs	2x4	SP	#2	N

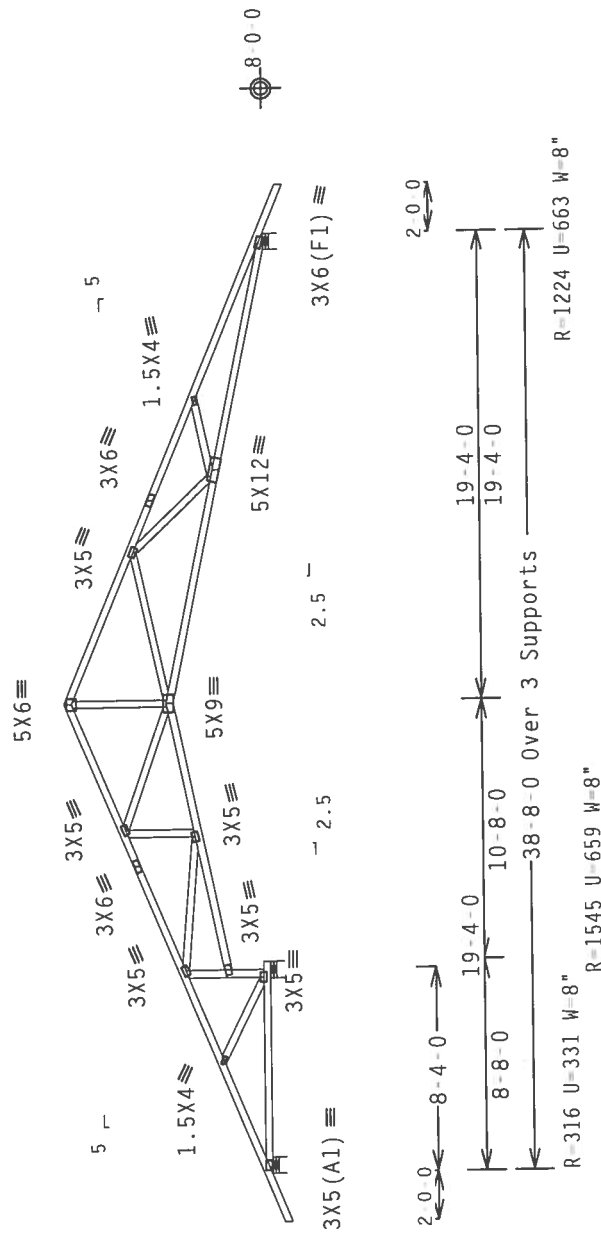
110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

components and cladding wind pressures considered for uplift callouts.

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

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

Shim all supports to solid bearing.



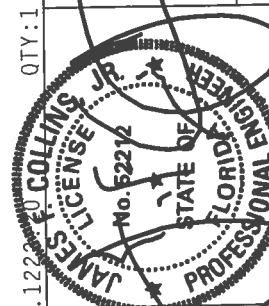
PLT TYP. Wave TPI

Design Crit: $TPI - 1995(STD)/FBC$

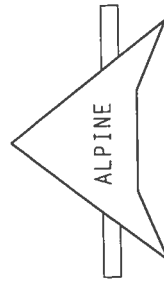
QTY:1 FL/-/4/-/-/R/-

Scale = .125"/Ft.

TC LL	20.0 PSF	REF R2888 - 96079
TC DL	7.0 PSF	DATE 12/13/05
BC DL	10.0 PSF	DRW HCUSR2888 05347155
BC LL	0.0 PSF	HC - ENG EC/WHK
TOT.LD.	37.0 PSF	SEQN - 108874
DUR.FAC.	1.25	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TOP CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

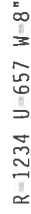
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Alpine Engineered Products, Inc.

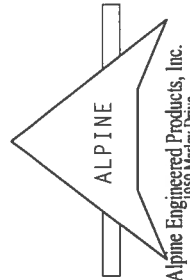
110 mph wind, 30.00 ft mean hgt., ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL=5.0 psf.

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

Shim all supports to solid bearing.



Scale = .1875"/Ft.



Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #2 N

Components and cladding wind pressures considered for uplift callouts.

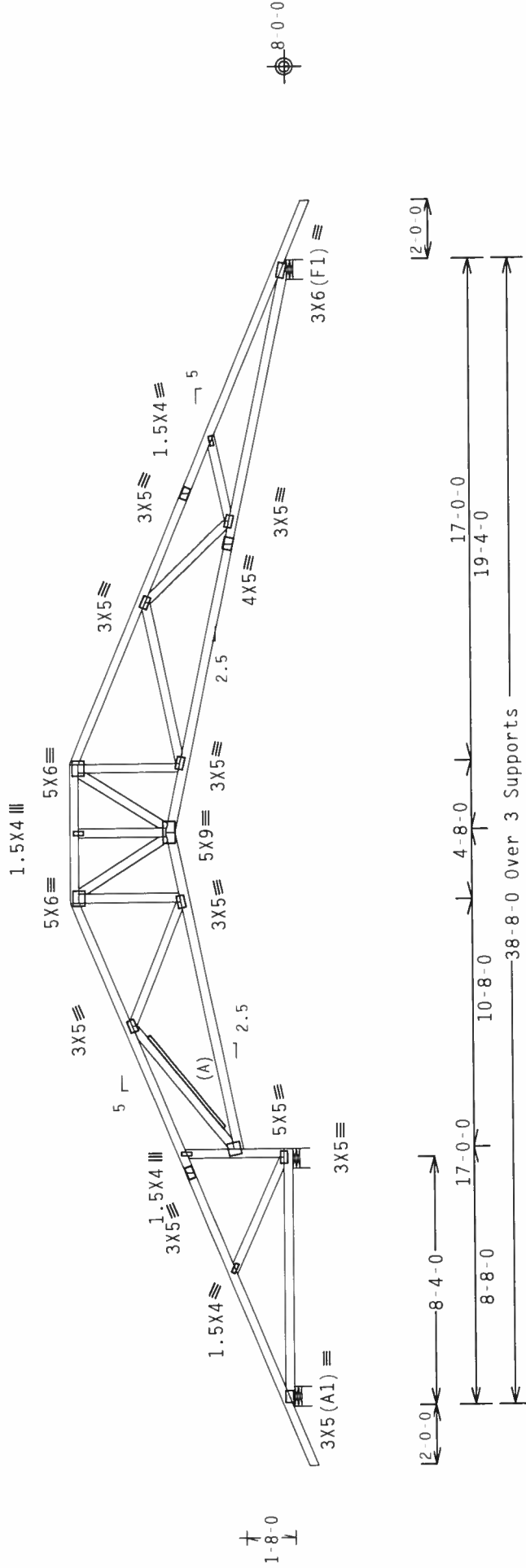
In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" OC, all BC @ 24" OC.

Shim all supports to solid bearing.

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



R-443 U=380 W=8"

R=1415 U=602 W=8"

R=1236 U=676 W=8"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

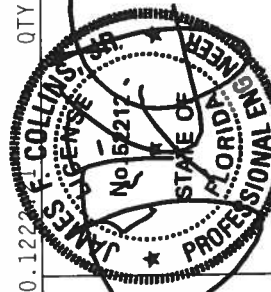
7.10.1222

QTY:1 FL/-/4/-/R/-

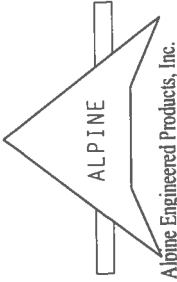
Scale = .1875"/Ft.

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (0.0156") ASH 6061 GRADE 40/60 (IN. 6/16.5) GAGE. CELL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, SHALL BE PER 16GA. Z. ANY INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE THE ENGINEER'S RESPONSIBILITY. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT.



TC LL	20.0 PSF	REF	R2888- 96081
TC DL	7.0 PSF	DATE	12/13/05
BC DL	10.0 PSF	DRW	HCUSR2888 05347158
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	37.0 PSF	SEQN-	24078
DUR.FAC.	1.25		



110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Shim all supports to solid bearing.



Scale = 1875"/Ft.

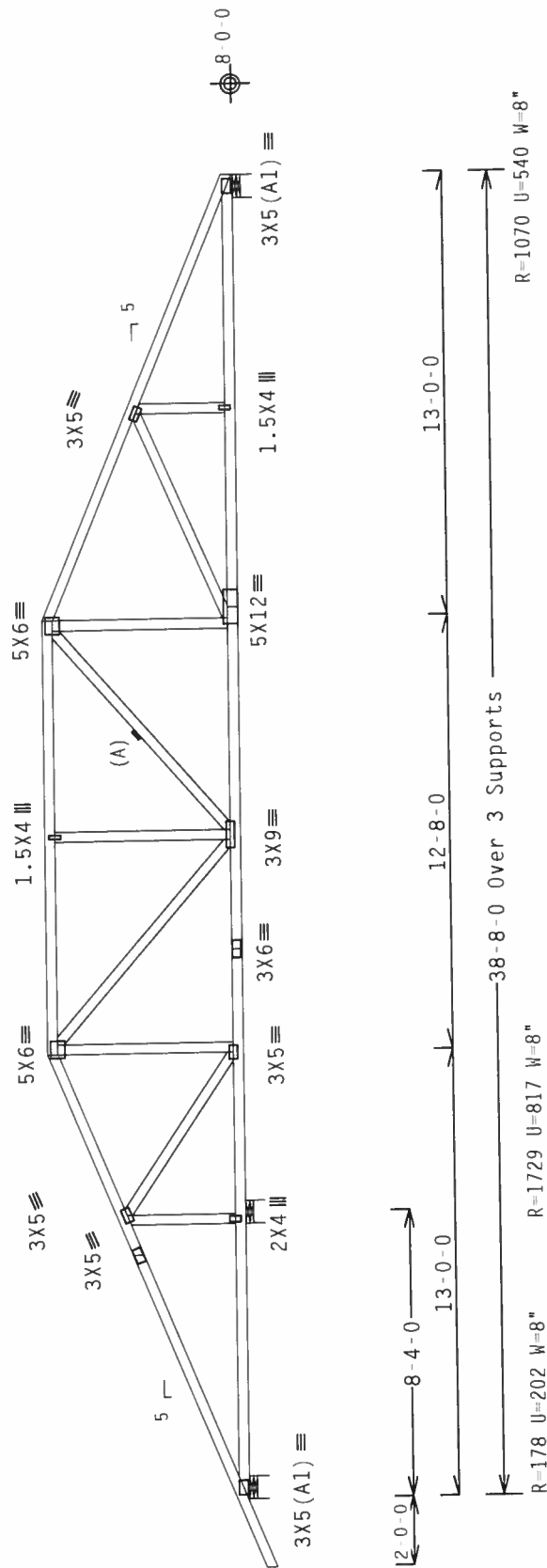
10.1222.21

Alpine Engineered Products, Inc.
1950 Marlev Drive

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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



Scale = .1875"/Ft.

Design Crit: TPI-1995(STD)/FBC

QTY:1 FL/-/4/-/-/R/-/-

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLAN INSTITUTE, 583 W. DUNFORD RD., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL, OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT*****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN SPECIFICATION. ANY FAILURE TO BUILD THE
DESIGN CONFORMS WITH IPI: OR FABRICATING, HANDLING AND/OR INSTALLING & BRACING OF TRUSSES
CONTRACTOR PLATES WITH APPLICABLE PROVISIONS OF AISC 360-16 (4) K/H/SI GALV. STEEL, APLV
PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS POSITION PER DRAWINGS 160A Z,
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AISC 360 OF IPTL 2002 SEC. 3.

REF R2888- 96083

DATE 12/13/05

DRW HCUSR2888 05347127

HC - ENG EC / WHK

SEON- 108905

DUR. FAC.	1.25
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Alpine Engineered Products, Inc.

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #2 N

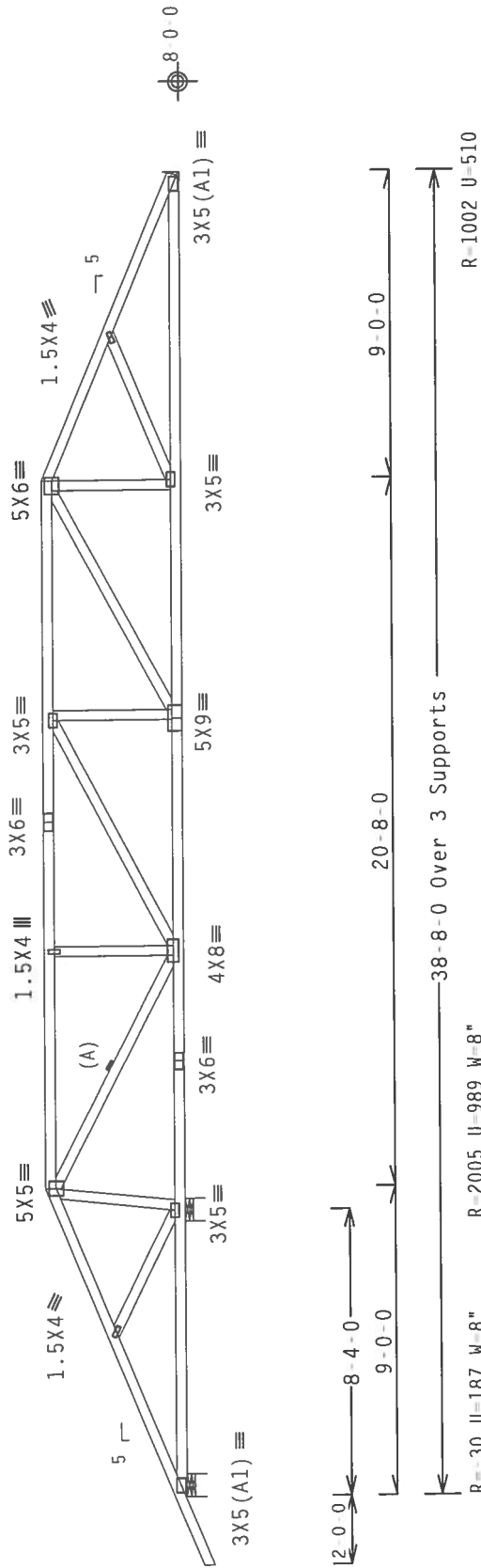
110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Components and cladding wind pressures considered for uplift callouts.

(A) Continuous lateral bracing equally spaced on member.

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

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.10.1222

QTY:1 FL/-4/-/-R/-

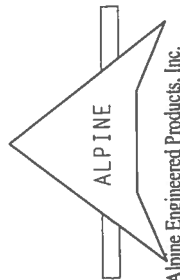
Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO MCS1 L.O.S. (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, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (4.0/57K) ASTM A653 GRADE 40/60 (4.0/57K) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED BY A LICENSED PROFESSIONAL ENGINEER. ANY DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.



REF	R2888- 96085
DATE	12/13/05
DRW	HCUSR2888 05347153
HC-ENG	EC/WHK
SEQN-	108727
DUR.FAC.	1.25



Top chord 2x4 SP #1 :T2 2x4 SP SS:
Bot chord 2x6 SP #2 :B1 2x4 SP #1:
Webs 2x4 SP #2 N

Roof overhang supports 2.00 psf soffit load.

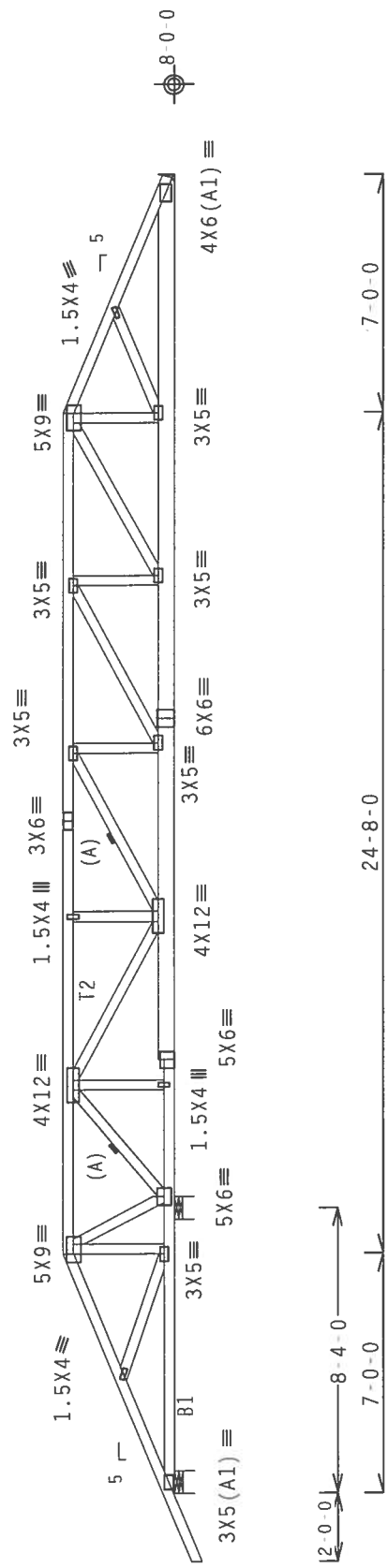
(A) Continuous lateral bracing equally spaced on member.

#1 hip supports 7-0-0 jacks with no webs.

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

** Negative reaction(s) of -678# MAX. (See below) from a non-wind load case requires uplift connection.
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



8-4-0 7-0-0 7-0-0 24-8-0 38-8-0 Over 3 Supports
R-678 U=180 W=8" R-4666 U=1723 W=8" R-1815 U=674

PLT TYP. Wave TPI

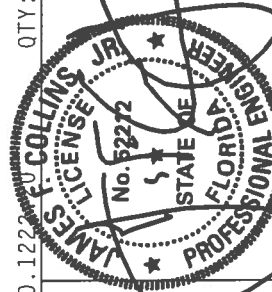
Design Crit: TPI-1995(STD)/FBC

QTY:1 FL/-4/-/R/-

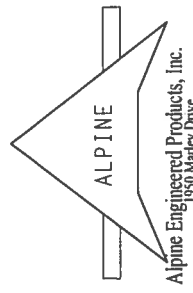
Scale =.1875"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 D'ORFORD DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI (TPI ALPINE ENGINEERED PRODUCTS, INC. 1950 MARLOW DRIVE, ALPINE, WI 53719) UNLESS OTHERWISE INDICATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2, 160B-2, 160C-2, 160D-2, 160E-2, 160F-2, 160G-2, 160H-2, 160I-2, 160J-2, 160K-2, 160L-2, 160M-2, 160N-2, 160O-2, 160P-2, 160Q-2, 160R-2, 160S-2, 160T-2, 160U-2, 160V-2, 160W-2, 160X-2, 160Y-2, 160Z-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANCH A3 OF TPI 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



TC LL	20.0 PSF	REF	R2888-96086
TC DL	7.0 PSF	DATE	12/13/05
BC DL	10.0 PSF	DRW	HCUSR2888 05347152
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT. LD.	37.0 PSF	SEQN	45560
DUR. FAC.	1.25		



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

Bot chord 2x6 SP SS

Webs 2x4 SP #2 N

SPECIAL LOADS

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

TC - From 54 PLF at 0.00 to 54 PLF at 15.67

BC - From 20 PLF at 0.00 to 20 PLF at 13.67

BC - From 4 PLF at 13.67 to 4 PLF at 15.67

BC - 1027 LB Conc. Load at 2.60

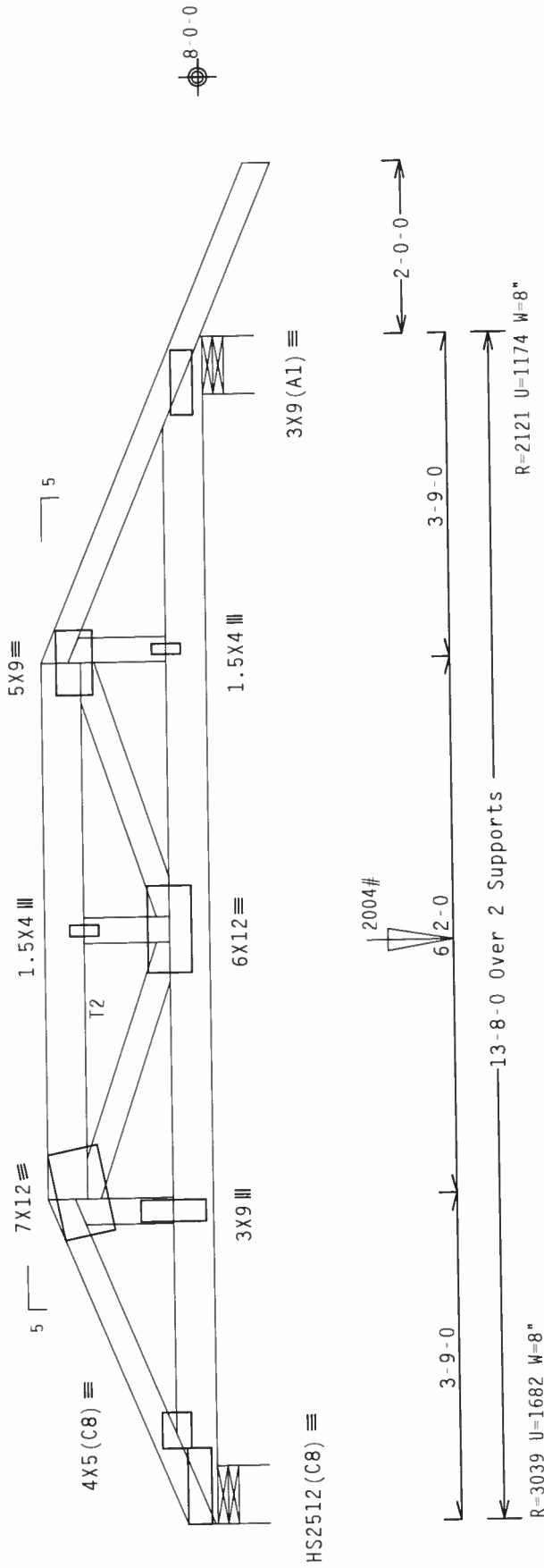
BC - 1002 LB Conc. Load at 4.60

BC - 2004 LB Conc. Load at 6.67

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

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

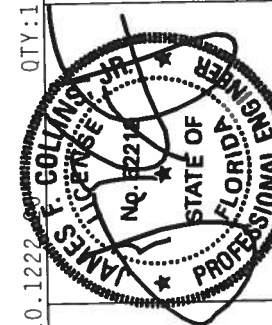
Deflection meets L/240 live and L/180 total load.



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

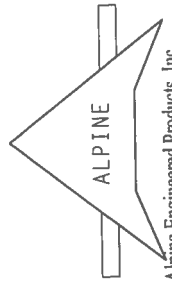
QTY: 1 FL / - / 4 / - / - / R / - Scale = .5" / Ft.

REF	R2888 - 96087
DATE	12/13/05
DRW	HCUSR2888 05347138
HC-ENG	SSB/WHK
SEQN	108850
DUR.FAC.	1.25



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION) FOR TRUSS PLATE INSTALLATION. 583 D'AMORIO DR., SUITE 200, MADISON, WI 53719 FOR SAFETY PRECAUTIONS 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 DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND IPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/T6GA (N/A/S/P) ASTM A653 GRADE 40/60 (N/A/S/P) GALV. STEEL. APPLICABLE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING. SEAL ON THIS ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF 1/11/2002 SEC. 2. SEAL ON THIS MEASURING INSTRUMENTS ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT



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

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

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



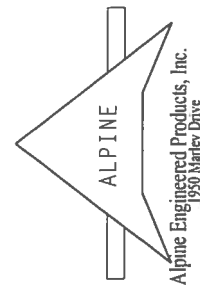
Only: 1 EL/-/4/-/-/R/-

Scale = .375"/Ft.

TC	LL	20.0	PSF	REF	R2888-	96088
TC	DL	7.0	PSF	DATE	12/13/05	
BC	DL	10.0	PSF	DRW	HCUSR2888	05347157
BC	LL	0.0	PSF	HC-ENG	SSB/WHK	
TOT.	LD.	37.0	PSF	SEQN-	49171	REV
DUR.	FAC.	1.25				



****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS
DESIGN SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS WILL BE AT THE RISK OF THE INSTALLING CONTRACTOR.
THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ALPINA AND TPI) TRUSS
CONNECTION PLATES ARE MADE OF 20/18/16GA (W/4X16) ASTM A653 GRADE 40/50 (F / K/H/S) GALV. STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND, HOWEVER, OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS LGA 2.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 4 OF TP11 2002 SEC-3. A SEAL ON THIS
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



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

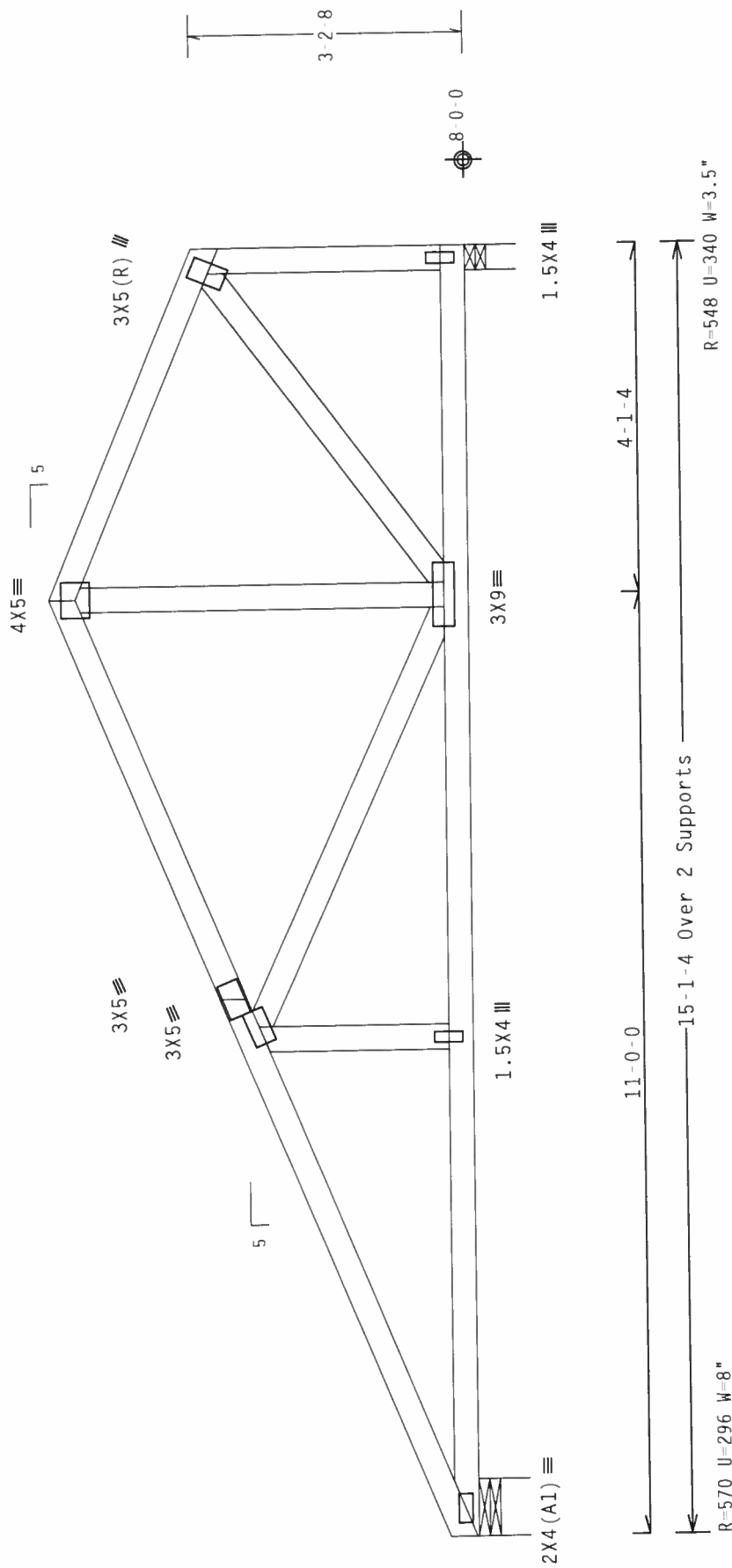
110 mph wind, 30.00 ft mean hgt., ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Components and cladding wind pressures considered for uplift callouts.

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

Right end vertical not exposed to wind pressure.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

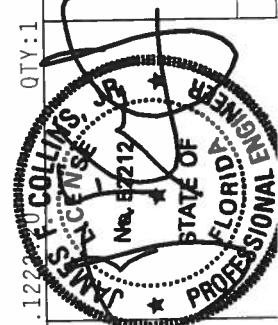
7.10.1223

QTY:1 FL/-/4/-/-/R/-/-

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 593 D'DONOFIO RD., SUITE 200, MADISON, WI 53719) AND WTC (WOOD TRUSS COUNCIL OF AMERICA, 6300 CHESTERLIFE, L9, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING TRUSS FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CHALL.

****IMPORTANT****TURISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THESE SPECIFICATIONS. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN OR FOR ANY REASON OTHER THAN SHIPPING, INSTALLING & BRACING. THE DESIGN CONFORMS WITH APPLIED CODES PROVIDING AN ALLOWABLE SLIPPING (MAXIMUM) OF 0.01". ALPINE ENGINEERING COMPANY HAS APPLIED THE FOLLOWING PROVISIONS (NATIONAL DESIGN SPEC., BY AFAPA) AND TYPICAL CONNECTIONS WITH APPLIED CODES PROVIDING AN ALLOWABLE SLIPPING (MAXIMUM) OF 0.01". GALV. STEEL CONNECTORS SHALL BE USED TO JOIN ALL MEMBERS TO EACH OTHER. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS FIGO 2. A SEAL ON THIS BRACING IMPLICATIONS ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR E-TRUSS COMPONENT FABRICATING, INSPECTION & TESTING.



TC LL	20.0 PSF	REF	R2888 - 96089
TC DL	7.0 PSF	DATE	12/13/05
BC DL	10.0 PSF	DRW	HCUSR2888 05347137
BC LL	0.0 PSF		HC-ENG EC/WHK
TOT.LD.	37.0 PSF	SEQN -	108858
DUR.FAC.	1.25		

110 mph wind, 30.00 ft mean hgt, ASEC 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Components and cladding wind pressures considered for uplift callouts.

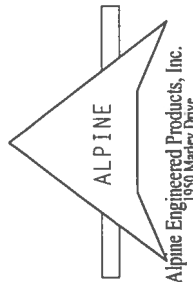
In lieu of rigid ceiling use purlins to brace BC
Deflection meets L/240 live and L/180 total load.



Scale = .3125"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, 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 WCA (WOOD TRUSS FUNCTIONS 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 ENGINEER AND 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 OR CONNECTIONS PLATES ARE MADE TO THE PROVISIONS OF THE DESIGN. ANY AND ALL STEEL APPLIED TO THE TRUSS SHALL BE MADE TO 2019/10/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/

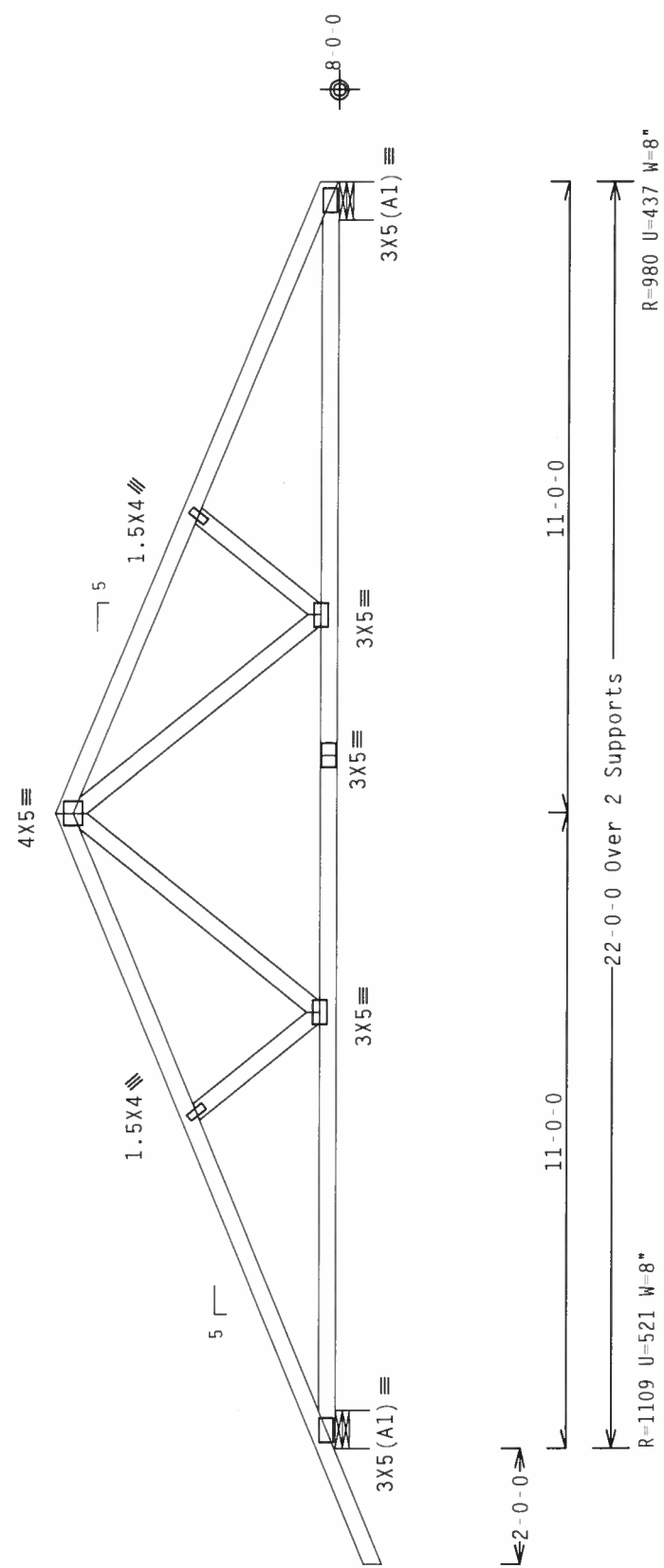


Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #2 N

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 54 PLF at -2.00 to 54 PLF at 22.00
BC - From 4 PLF at -2.00 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.55
BC - From 70 PLF at 7.55 to 70 PLF at 14.45
BC - From 20 PLF at 14.45 to 20 PLF at 22.00

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
Components and cladding wind pressures considered for uplift callouts.
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.10.1222

QTY:1

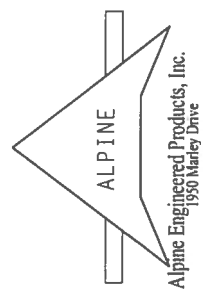
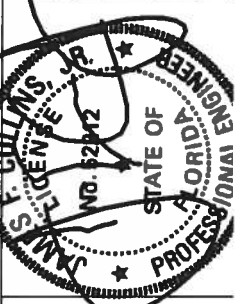
FL/-/4/-/R/-

Scale = .3125"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC311.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DUNDRAVE 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 TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. IN STEEL AND WOOD), AND THE CONNECTION PLATES ARE MADE OF 2018/16GA (N.D.S.) ASTM A653 GRADE 40/60 (N. K/H.S.) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 11 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 DESIGNER.

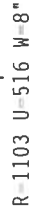
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TC DL	7.0 PSF	DATE	12/13/05
BC DL	10.0 PSF	DRW	HCUSR2888 05347130
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	37.0 PSF	SEQN-	108882
DUR.FAC.	1.25		



110 mph wind, 30.00 ft mean hgt, ASCE 7 98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Components and cladding wind pressures considered for uplift callouts.

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



Scale = .25"/Ft.

DEF D2888 06002

Professional Engineer Seal for the State of Florida, License No. 82212. The seal includes the text "STATE OF FLORIDA", "PROFESSIONAL ENGINEER", and "LICENSE NO. 82212". Handwritten initials "JR" and the number "12" are present on the seal.

DUR.FAC. 1.25

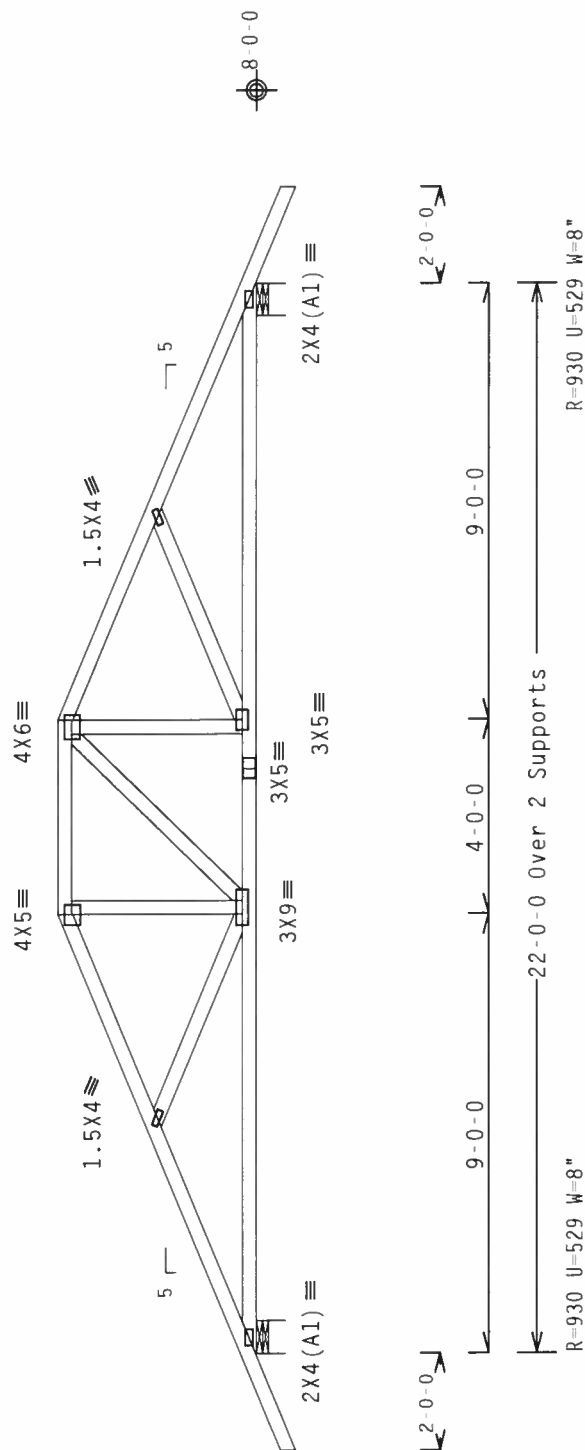
Top chord	2x4	SP	#1
Bot chord	2x4	SP	#1
Webs	2x4	SP	#2

1110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Components and cladding wind pressures considered for uplift callouts.

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

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

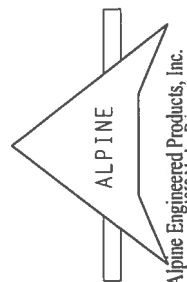
7.10.1222

QTY: 1 FL/-/4/-/-/R/-

Scale = .25"/Ft.

WARNING THUSSES 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, 983 N. OXFORD DR., SUITE 200, HADDONSBURG, VA 52719, AND MEFA (WOOD FRUITS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., HADDONSBURG, VA 52719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

TC LL	20.0 PSF	REF R2888 - 96093
TC DL	7.0 PSF	DATE 12/13/05
BC DL	10.0 PSF	DRW HCUSR2888 0534712
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	37.0 PSF	SEQN- 108981
DUR.FAC.	1.25	



	Top	Bot	SP #1	SP #2	SP #2 N
chord	2x4	2x6	2x4	2x4	2x4
chord					
webs					

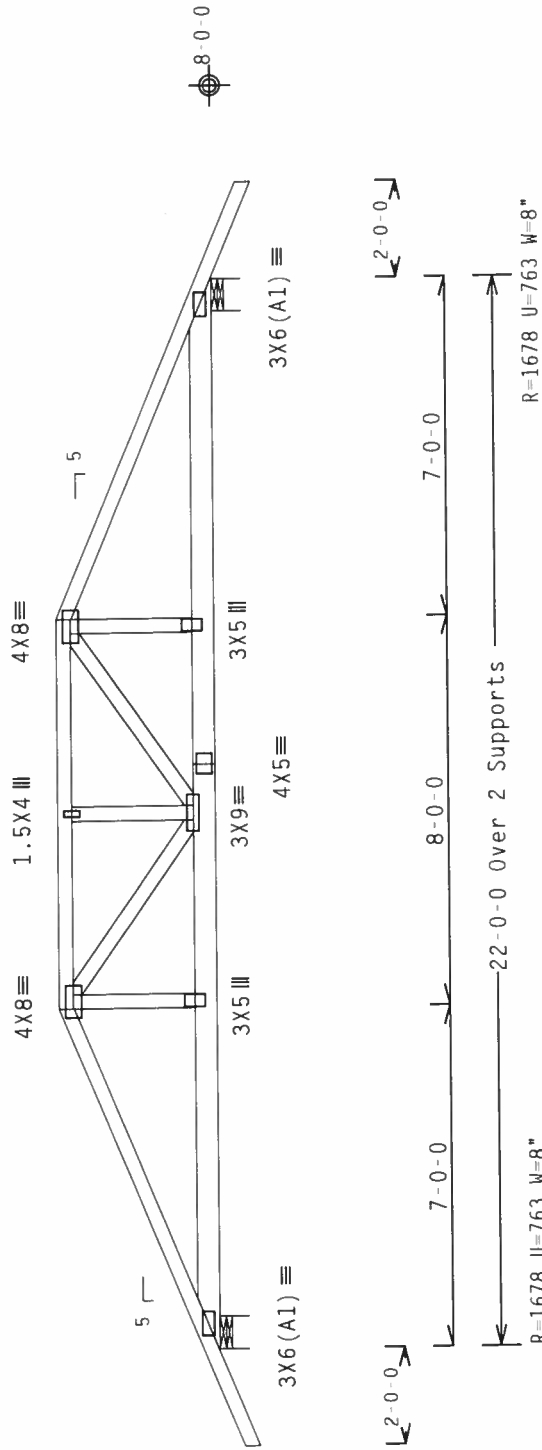
110 mph wind, 15.00 ft mean hgt., ASCE 7-98, PART. ENC. bldg,
Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.

Roof overhang supports 2.00 psf soffit load.

#1 hip supports 7-0-0 jacks with no webs.

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

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

QTY:1 FL/-/4/-/-/R/-

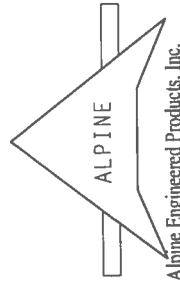
Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R2888- 96094
TC DL	7.0 PSF	DATE	12/13/05
BC DL	10.0 PSF	DRW	HCUSR2888 05347172
BC LL	0.0 PSF	HC-ENG	SSB/WHK
TOT.LD.	37.0 PSF	SEQN-	23528
DUR.FAC.	1.25		



WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IP1 (STEEL PLATE INSTITUTE, 593 0'00010 DR., SUITE 200, MADISON, WI 53719) AND PERMITS/DESIGN OFFICE OF THE AMERICAN BRIDGE TRUSS COMPANY, 4300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO WELDING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CHILLING.

****IMPORTANT*****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; NEW FABRICATIONS SHOULD BE DESIGNED IN CONFORMANCE WITH TPI... OR FABRICATING, MANUFACTURING, INSTALLING & BRACING OF TRUSSES. DESIGN CONDITIONS ARE APPLICABLE PROVISIONS FOR THIS DESIGN SPEC. BY AFAPA) AND TPI. APPLY CONNECTION PLATES ARE MODIFIED 180° TURNED STEEL PLATE DESIGN SPEC. BY AFAPA) AND TPI. STEEL PLATES TO EACH JOINT AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS 160A.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT FABRICATING/DRAWING.



110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PARL. ENC. Bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

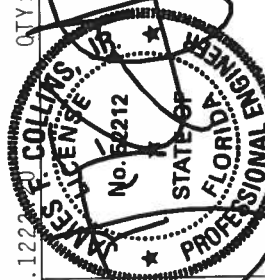
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.



Design Crit: TPI-1995(STD)/FBC

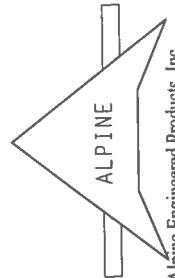
QTY:1 FL-41-1-R/-

TC LL	20.0 PSF	REF	R2888- 96095
TC DL	7.0 PSF	DATE	12/13/05
BC DL	10.0 PSF	DRW	HCUSR2888 05347151
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	37.0 PSF	SEQN-	108887
DUR.FAC.	1.25		



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. 593
 RETRUS TO 8651 SULLY CIRCLE, CHICAGO, ILL. 60619. TRUSS COMPONENT SAFETY (THE ORGANIZATION), PUBLISHED BY TPJ (TRUSS PLATE INSTITUTE, 1593
 MADISON, ILL. 61791) AND MADISON, ILL. 61791 AND NICH (4000 TRUSS COMPANY OF AMERICA, 6300 ENTERPRISE LN,
 MADISON, ILL. 61791) FOR SAFETY PRACTICES PRIOR TO PIERCING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED,
 TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED
 RIGID CEILING.

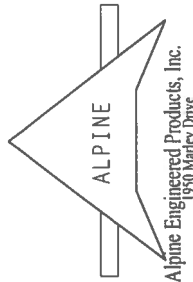
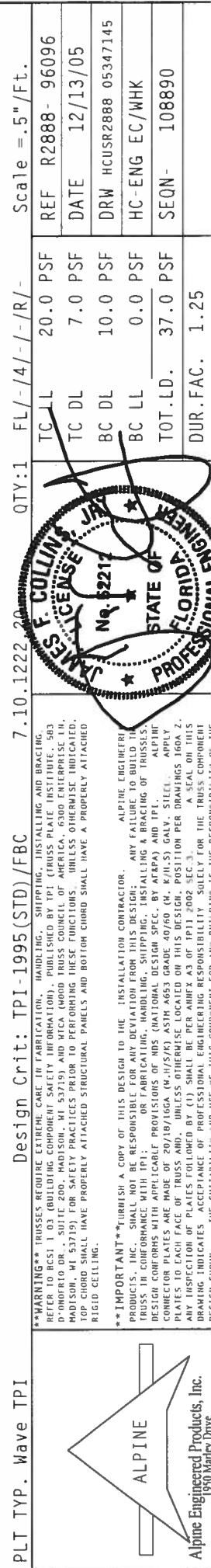
****IMPORTANT****TURKISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN;
TRUSS IN CONFORMANCE WITH TPI:
DESIGN CONFORMS WITH APPLICABLE
CONNECTION PLATES ARE MADE OF 2018/TIGAS (H-67) ASH ALUMINUM PER DIN EN ISO 9583-1
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE SPECIFIED, POSITION PER DRAWINGS 160A.2
ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE AT THE DISCRETION OF THE ENGINEER. ACCEPTANCE OF THIS SEAL ON THIS
ENGINEERING IS SOLELY FOR THE PURPOSES OF THE T.E.R.S. COMPONENT



Alpine Engineered Products, Inc.

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



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

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

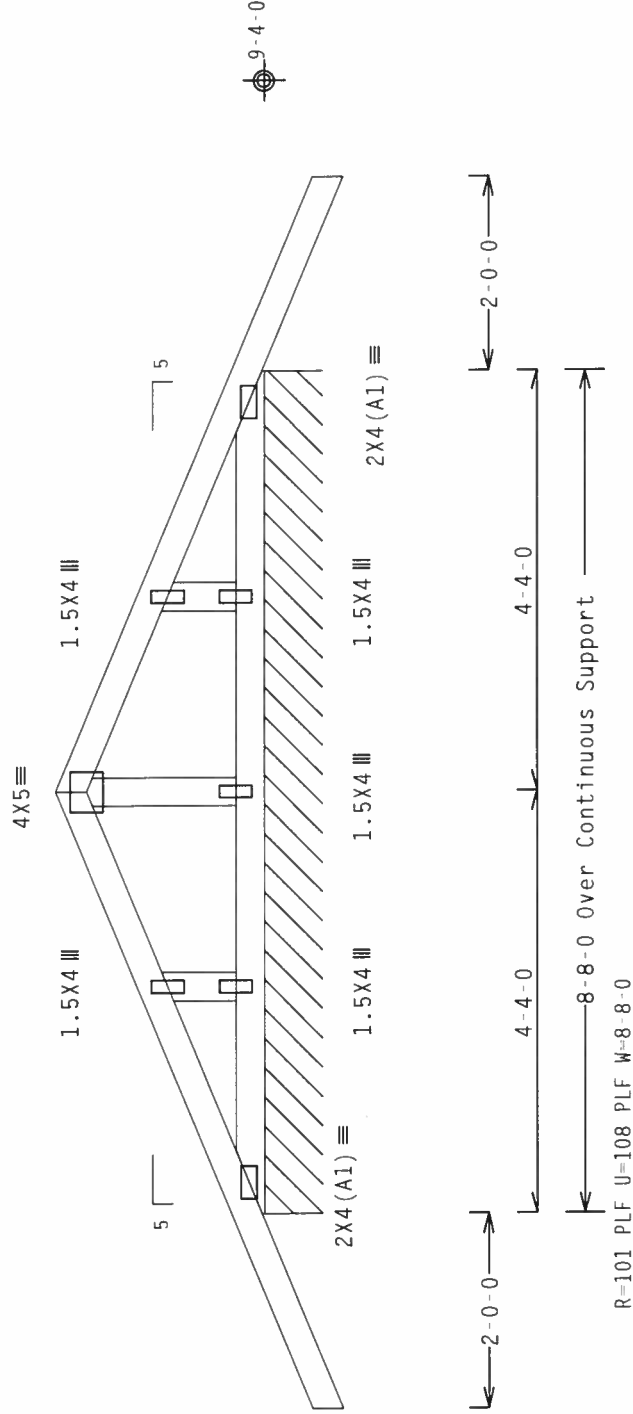
Components and cladding wind pressures considered for uplift callouts.

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

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

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

See DRW HCUSR001 02086015 for gable details.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

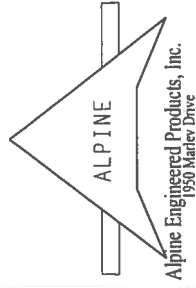
QTY:1 FL/-/4/-/-/R/-

Scale = 5" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESI 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO 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, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGNER'S DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AEP/AI AND TPI. ALL TRUSS CONNECTOR PLATES ARE MADE OF 2018/1664 (W-HUS/16) ASH A663 GRADE 40/60 (IN. K/HUS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE ENTIRETY AND USE OF THIS DOCUMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE USER.

TC LL	20.0 PSF	REF	R2888- 96097
TC DL	7.0 PSF	DATE	12/13/05
BC DL	10.0 PSF	DRW	HCUSR2888 05347162
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	37.0 PSF	SEQN-	108893
DUR.FAC.	1.25		

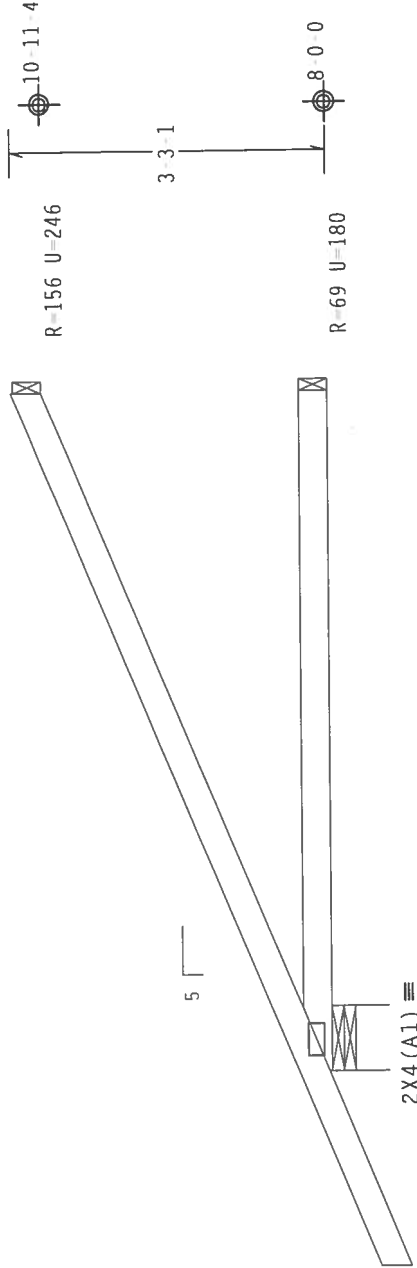


Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Components and cladding wind pressures considered for uplift callouts.
Deflection meets L/240 live and L/180 total load.

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

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



2'-0"

7'-0" Over 3 Supports

R-409 U-291 W-8"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.10.1222

QTY:19

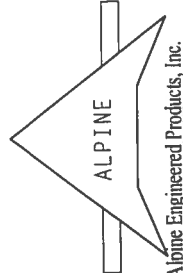
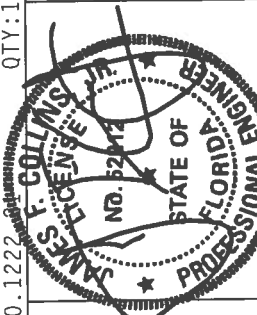
FL/-4/-/R/-

Scale = .5"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSSES MUST BE INSTALLED IN ACCORDANCE WITH THE TPI TRUSS PLATE INSTITUTE, 583 DOWNEY 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, 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 RDS (NATHANAL DESIGN SPEC. BY AFPA) AND IPT. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-H/S/K) ASH A653 GRADE 40/60 (N, H/S) GALT. BRACKETS 16GA 2 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, SHALL BE PER TPI 1002 SEC 3. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT

TC LL	20.0 PSF	REF	R2888 - 96099
TC DL	7.0 PSF	DATE	12/13/05
BC DL	10.0 PSF	DRW	HCUSR2888 05347135
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	37.0 PSF	SEQN	23476
DUR.FAC.	1.25		



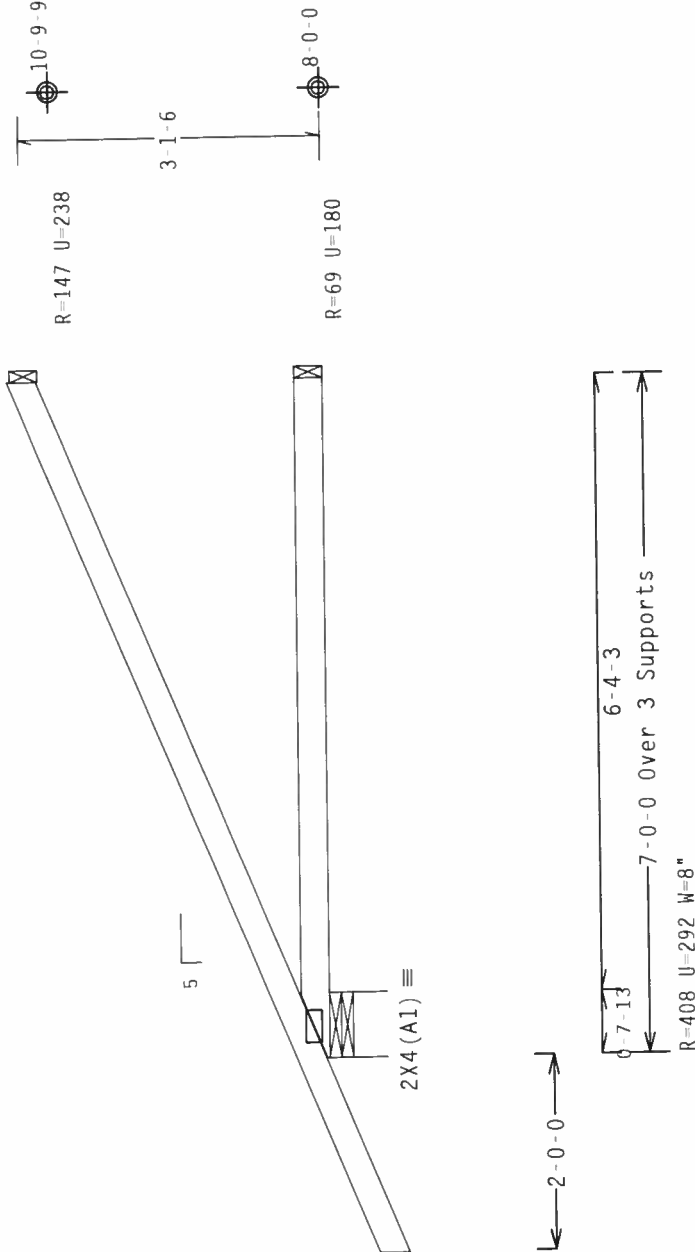
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Components and cladding wind pressures considered for uplift callouts.

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

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



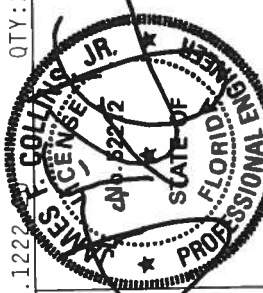
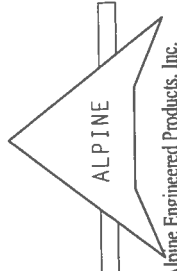
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

QTY: 2 FL: -/4/-/-/R/- Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1.03 (BUILDING CODES AND REGULATIONS), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 503 HUNTER RD., SUITE 100, HUNTER, OH 43024, AND MICA (MIDWEST INSTITUTE OF AMERICA, 6300 ENTERPRISE DR., HUNTER, OH 43024) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THIS TRUSS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (4-11/16) ASTM A653 GR50 40/60 (4-11/16) GALV. STEEL. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED ON THIS DESIGN, SHALL BE SECURED TO THE TRUSS COMPONENTS BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) SECTION 3.1. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



TC LL	20.0 PSF	REF	R2888- 96100
TC DL	7.0 PSF	DATE	12/13/05
BC DL	10.0 PSF	DRW	HCUSR2888 05347163
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	37.0 PSF	SEQN-	108897
DUR.FAC.	1.25		

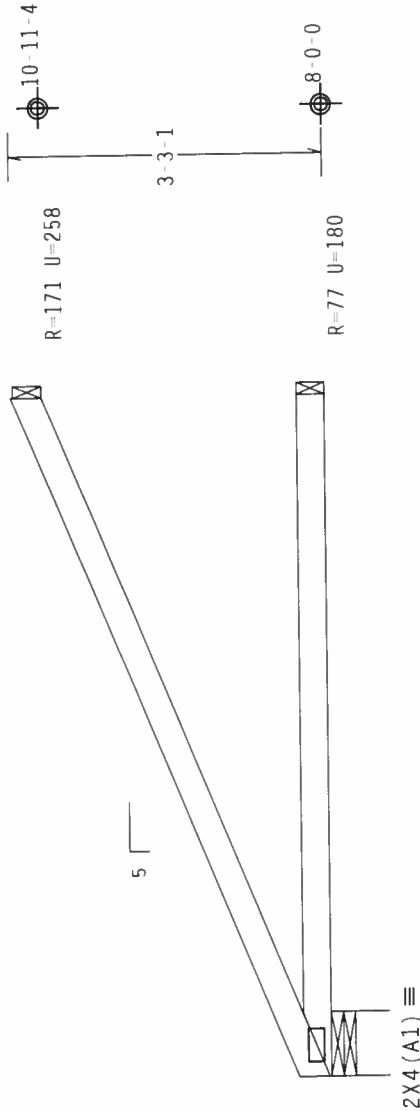
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Components and cladding wind pressures considered for uplift callouts.

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

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



7-0-0 Over 3 Supports
R=270 U=180 W=8"

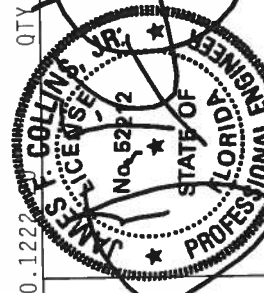
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.10.1222

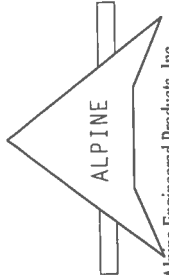
QTY: 5 FL / - / 4 / - / R / - Scale = .5" / Ft.

REF	R2888	96101
DATE	12/13/05	
DRW	HCUSR2888	05347169
HC-ENG	EC/WHK	
SEQN	108930	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51.1-03 (BUILDING COMPONENTS) AND BC51.1-04 (TRUSS PLATE INSTITUTE, 983 D-0001010-01, SUITE 200, 1000 N. 10TH AVE, AUSTIN, TEXAS 78701) AND WEA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, HADSPER, TEXAS 79123) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED. 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 ACPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (N-11/5/K) ASTM A653 GRADE 40/60 (M. K/H-SI) GALV. STEEL. APPLY 2 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. ON THIS ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002-SEC.3. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEARING INDICATES.



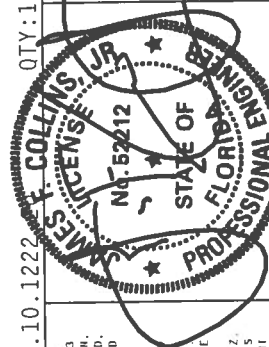
Deflection meets L/240 live and L/180 total load.

The drawing consists of two views of a bridge girder:

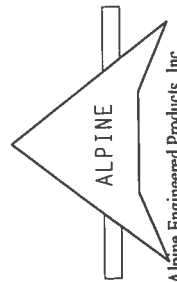
- Side View (Top):** Shows a trapezoidal girder cross-section. The top flange is labeled $4X5 \equiv 3X5 \equiv$. The bottom flange is labeled $2X4 (A1) \equiv$. The vertical height is indicated as 5. The bottom flange is supported by a roller support labeled $1.5X4 \equiv 3X5 \equiv$.
- End View (Bottom):** Shows the girder's profile with a total length of 7-0-0. It is supported by 3 supports, with dimensions 5-6-8 and 1-5-8. The girder is labeled $R=409 \text{ U-308 W-8"}$.
- Detail View (Right):** Shows a cross-section of a bolted connection. The top flange is labeled $R=208 \text{ U-186}$ and the bottom flange is labeled $R=17 \text{ U-180}$. The distance between the bolted flanges is 2-7-12. The bolted flanges are labeled 10-3-15 and 8-0-0.

Scale = .5"/Ft.

TC LL	20.0	PSF	REF R2888 - 96102
TC DL	7.0	PSF	DATE 12/13/05
BC DL	10.0	PSF	DRW HCUSR2888 05347164
BC LL	0.0	PSF	HC-ENG EC/WHK
TOT.LD.	37.0	PSF	SEQN - 108712
DUR.FAC.	1.25		



*****IMPORTANT****TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE PROSECUTED FOR ANY DEVIATION FROM THIS DESIGN. NEW FABRICATING TRUSS IN CONFORMANCE WITH TP1 OR FABRICATING, WELDING, DRILLING AND BRACING DESIGNS SHALL BE IN ACCORDANCE WITH THE FOLLOWING DESIGN SPEC. BY AFAPA) AND TP1. ALPINE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION CONNECTION PLATES ARE TO BE GR80S AND UNLESS OTHERWISE LOCATED ON PLATE DRAGS 160A Z. ATTACHED TO THE TRUSS CHORDS AND UNLESS OTHERWISE LOCATED ON PLATE DRAGS 160A Z. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT



Alpine Engineered Products, Inc.

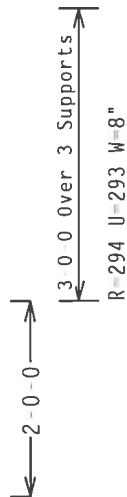
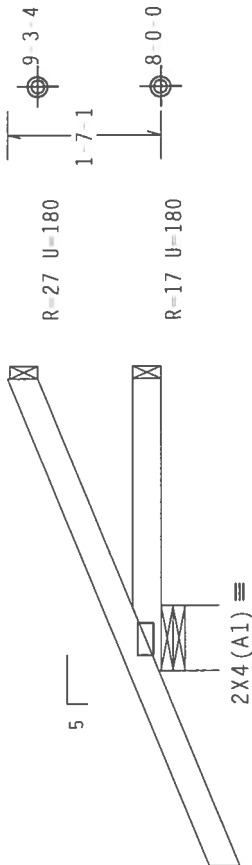
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Components and cladding wind pressures considered for uplift callouts.

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

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



PLT TYP. Wave TPI

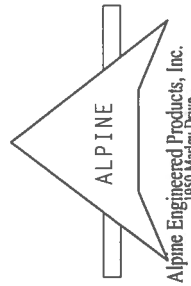
Design Crit: TPI-1995(STD)/FBC

7.10.1222-4 COLLING J3

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR NCTA REQUIREMENTS, INCLUDING SHIPPING, INSTALLING AND BRACING OF TRUSSES, SHALL BE THE RESPONSIBILITY OF THE INSTALLER. PROVIDE PROPERLY ATTACHED STRUCTURAL PANELS 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.



QTY:	FL / - / 4 / - / - / R / -	Scale = .5" / Ft.
REF	R2888- 96103	
DATE	12/13/05	
DRW	HCUSR2888 05347168	
HC-ENG	EC/WHK	
SEON-	108910	
TOT. LD.	37.0 PSF	
DUR. FAC.	1.25	



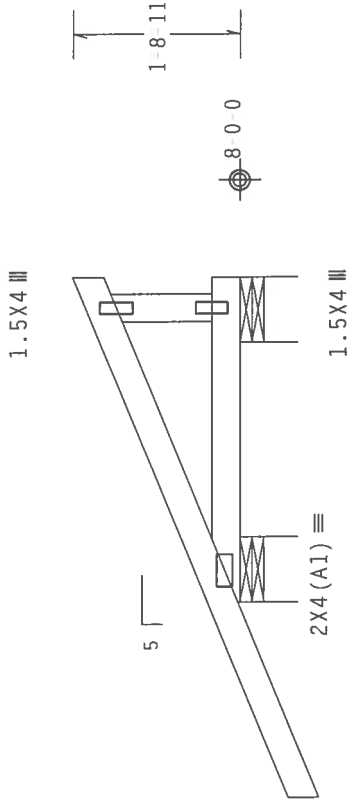
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg. located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Components and cladding wind pressures considered for uplift callouts.

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

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



2-0-0

3-4-0 Over 2 Supports
R=297 U-289 W-8"
R=66 U-180 W-8"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

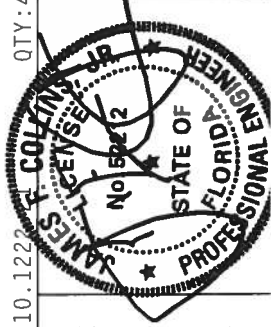
7.10.1222

QTY:4 FL/-4/-/R/-

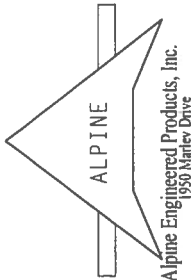
Scale = .5" / Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE INSTALLER SHALL BE RESPONSIBLE FOR THE DESIGN CONFORMANCE WITH THE APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. FOR TRUSSES. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/5/5) ASTM A653 GRADE 40/60 (W/ 4/10/5) 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. THE CREDIBILITY AND REPUTATION OF THIS COMPANY AND THE BUILDING OF THE NECESSARILY OF THE



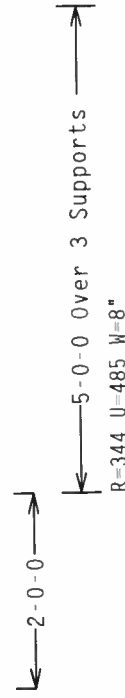
TC LL	20.0 PSF	REF	R2888- 96104
TC DL	7.0 PSF	DATE	12/13/05
BC DL	10.0 PSF	DRW	HCUSR2888 05347165
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	37.0 PSF	SEQN-	24042
DUR.FAC.	1.25		



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

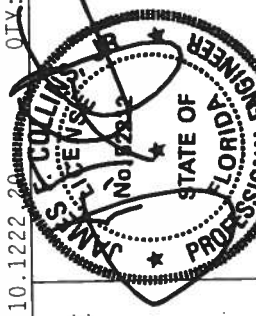
Components and cladding wind pressures considered for uplift callouts.

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

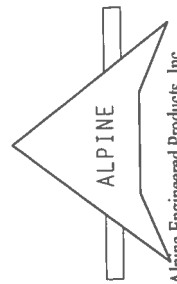


Scale = .5"/Ft.

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TC DL	7.0	PSF	DATE	12/13/05	
BC DL	10.0	PSF	DRW	HCUSR2888	05347133
BC LL	0.0	PSF	HC-ENG	EC/WHK	
TOT.LD.	37.0	PSF	SEQN-	108907	
DUR.FAC.	1.25				



****IMPORTANT****TURKISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALTHOUGH ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM OR MODIFICATION OF THIS DESIGN, ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI OR FABRICATOR'S OWN MANUFACTURING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) SPECIFICATIONS FOR STRUCTURAL STEEL CONNECTIONS AND PLATES (AWSD D1.1), ASTM A663 GRADE 40 / 60 (F / H.S.) GALV. STEEL, CONNECTOR PLATES ARE ALL 19mm THICK UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. PLATE INSPECTION OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING SOLELY FOR E TRUSS COMPONENT



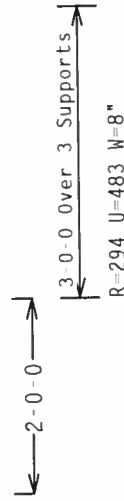
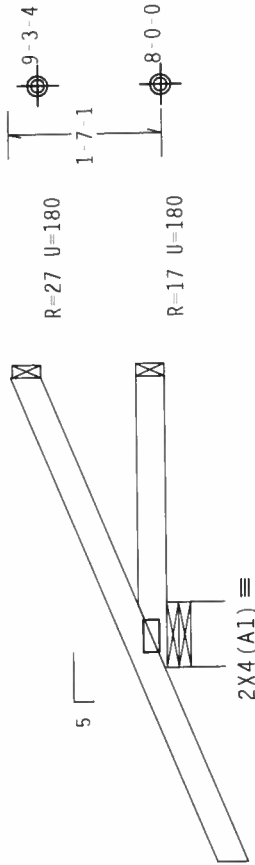
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Components and cladding wind pressures considered for uplift callouts.

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

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

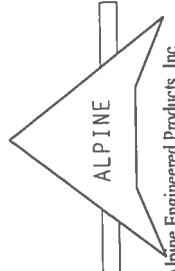


PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FBC	7.10.1222	QTY: 6	FL/-/4/-/R/-	Scale = .5"/Ft.
REF R2888- 96106					DATE 12/13/05
DATE 12/13/05					DRW HCUSR2888 05347134
DRW HCUSR2888 05347134					HC-ENG EC/WHK
HC-ENG EC/WHK					SEQN 108913
SEQN 108913					DJR.FAC. 1.25
DJR.FAC. 1.25					



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC511.03 (BUILDING COMPONENTS) AND BC511.04 (TRUSS FABRICATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ORFORD DR., SUITE 200, ANDOVER, MA 01810) AND WFLA (WOOD FRAME LUMBER ASSOCIATION, 6300 ENTERPRISE LN., MADISON, MI 48224) FOR SPECIFIC 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 ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD IN ACCORDANCE WITH THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (H-11/5/K) ASTM A653 GRADE 40/60 (H-11/5) GALV. STEEL. APPLY 2 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 REC.3. ANY INSPECTION OF TRUSSES OR TRUSS BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT



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

Components and cladding wind pressures considered for uplift callouts.

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

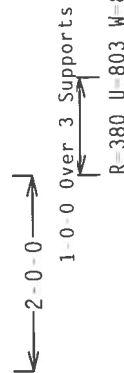
110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL 5.0 psf.

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

R=169 U=180



R=20 U=180



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

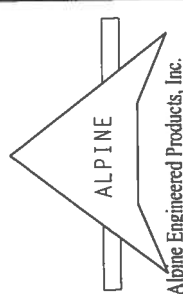
7.10.1222.20

QTY:14 FL/-/4/-/R/- Scale =.5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1103 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'DONNELL DR., SUITE 200, MADISON, WI 53719) AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES 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 2018/16GA (MIL-S-13) ASTM A653 GRADE 40/60 (MIL-S-13) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER UNIFORMS ON THIS ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

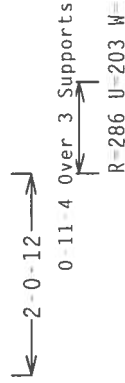
TC LL	20.0 PSF	REF	R2888 - 96107
TC DL	7.0 PSF	DATE	12/13/05
BC DL	10.0 PSF	DRW	HCUSR2888 05347159
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	37.0 PSF	SEQN	108916
DUR.FAC.	1.25		



110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

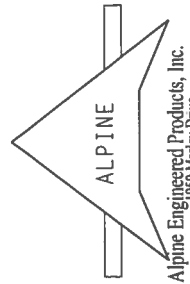
Deflection meets L/240 live and L/180 total load.



Scale = .5" / Ft.

****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO REG-1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSSING PLATE INSTITUTE, 583 E. WOODFORD DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSSES COUNCIL OF AMERICA, 6300 ENTERPRISE IN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****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 THESE FABRICATING, HANDLING, DESIGN, OR BRACING INSTRUCTIONS SHALL BE THE USER'S RESPONSIBILITY. ALL CONNECTOR PLATES ARE MADE OF 70AL17/IGA W/AL-S/CS ASTM A653 GRADE 40/D60 (JULY 5, 1995) GALV STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS IGA 2 & 3. INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP11.2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR CRUSS COMPONENT



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

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

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

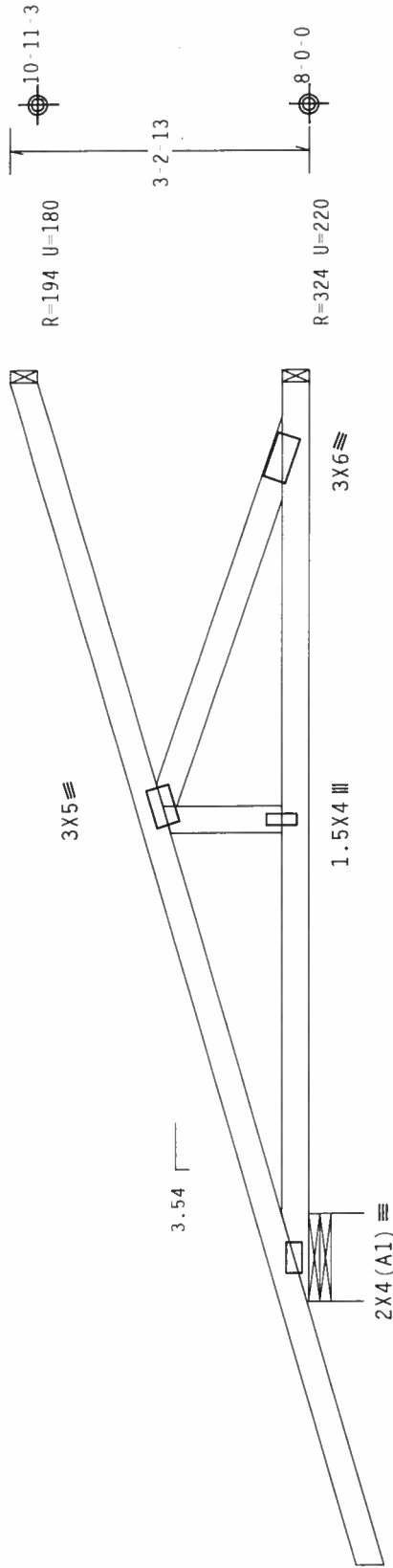
Deflection meets L/240 live and L/180 total load.

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

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 54 PLF at -2.83 to 54 PLF at 9.90
BC - From 4 PLF at -2.83 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 9.90
PLT- 346 LB Conc. Load at (1.54,8.73)
PLT- 51 LB Conc. Load at (4.37,9.56)
PLT- 196 LB Conc. Load at (7.20,10.40)
PLB- 33 LB Conc. Load at (1.54,8.04)
PLB- 36 LB Conc. Load at (4.37,8.04)
PLB- 88 LB Conc. Load at (7.20,8.04)



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.10.1222

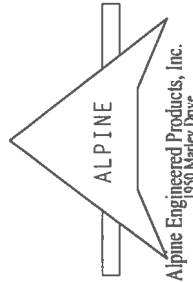
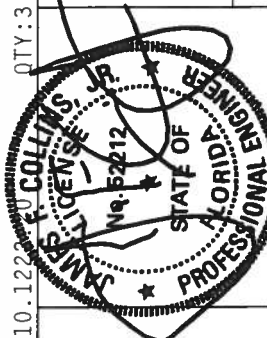
QTY:3 FL/-/4/-/R/-

Scale = .5"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE PROVISIONS OF THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. CORRELATOR PLATES ARE MADE OF 2018/16GA (4-11/16) ASTM A563 GRADE 40/65 (4 K/IN) 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 OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE ENGINEER HAS NOT AND DOES NOT HAVE ANY OTHER RESPONSIBILITY FOR THE PERFORMANCE OF THE TRUSS.

TC LL	20.0 PSF	REF R2888- 96109
TC DL	7.0 PSF	DATE 12/13/05
BC DL	10.0 PSF	DRW HCUSR2888 05347132
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	37.0 PSF	SEQN- 108922
DUR.FAC.	1.25	



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

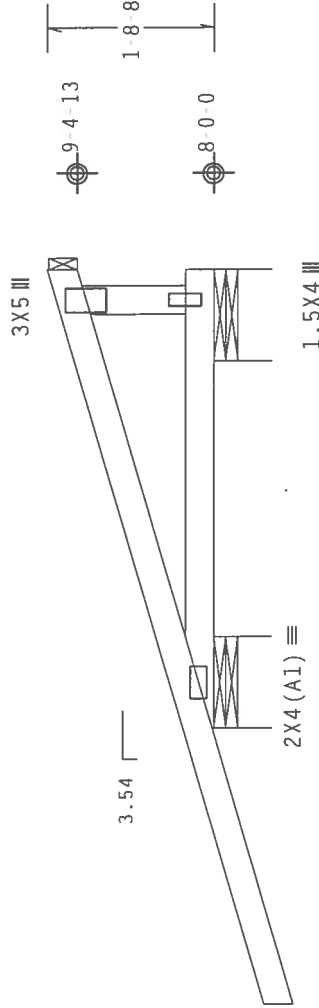
110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Components and cladding wind pressures considered for uplift callouts.

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

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

R=31 U-407



2-9-15

4-8-9 Over 3 Supports

R-408 U=366 W=11.314" R-136 U=417 W=11.314"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.10.1222.21

QTY:1 FL/-/4/-/R/-

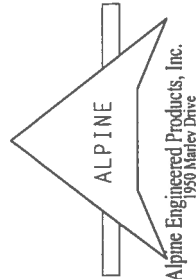
Scale =.5"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIAA NATIONAL DESIGN SPEC. BY AIAA AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2010/106A (N-H/SX) ASTM A653 GRADE 40/60 (IN. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 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 DESIGNER.



TC LL	20.0 PSF	REF	R2888- 96110
TC DL	7.0 PSF	DATE	12/13/05
BC DL	10.0 PSF	DRW	HCUSR2888 05347167
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	37.0 PSF	SEQN	24056
DUR.FAC.	1.25		



Top chord 2x4 SP #1
Bot chord 2x4 SP #1

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg,
located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.

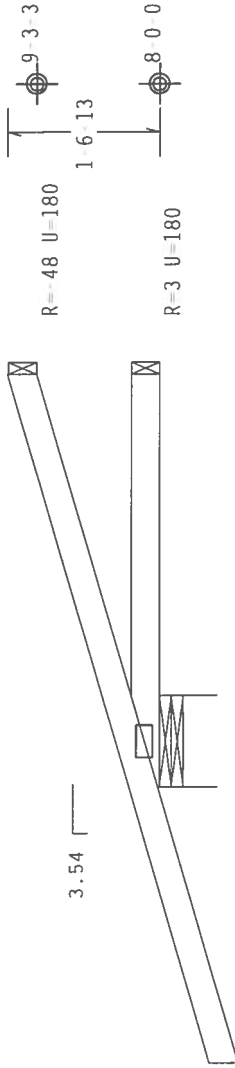
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC From 54 PLF at -2.83 to 54 PLF at 4.24
BC From 4 PLF at -2.83 to 4 PLF at 0.00
TC From 20 PLF at 0.00 to 20 PLF at 4.24
TC 30 LB Conc. Load at 1.54
BC 15 LB Conc. Load at 1.54

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



2X4 (A1) ≡

← 2-9-15 →

← 4-2-15 Over 3 Supports →
R-180 U=403 W=11.314"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

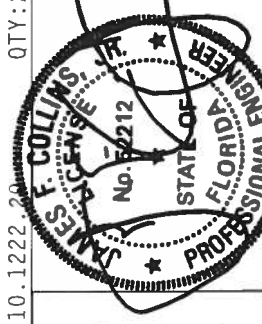
7.10.1222.20

QTY:2 FL/-/4/-/R/-

Scale = .5" / Ft.

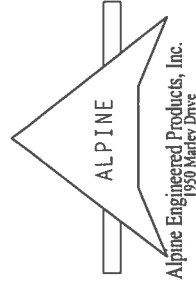
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 D'AMORIO DR., SUITE 200, MADISON, WI 53719, AND AISC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE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

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL NOT BE RESPONSIBLE FOR ANY OVERSIGHTS OR OMISSIONS IN THE DESIGN OR CONSTRUCTION OF THE TRUSS. THE TRUSS SHALL BE CONFORMANT WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AISC) AND TPI ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (H-21/5/1) ASH 6053 GRADE 40/60 (H, K/H-51 GALV. STEEL) APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 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 LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER.



TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT. LD.	37.0 PSF
DUR. FAC.	1.25

REF	R2888-96111
DATE	12/13/05
DRW	HCUSR2888 05347149
HC-ENG	SSB/WHK
SEON	108705



(19311-HOMES BY WHITTAKER / #2021 ACUNA RES. HJ4A)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #2 N

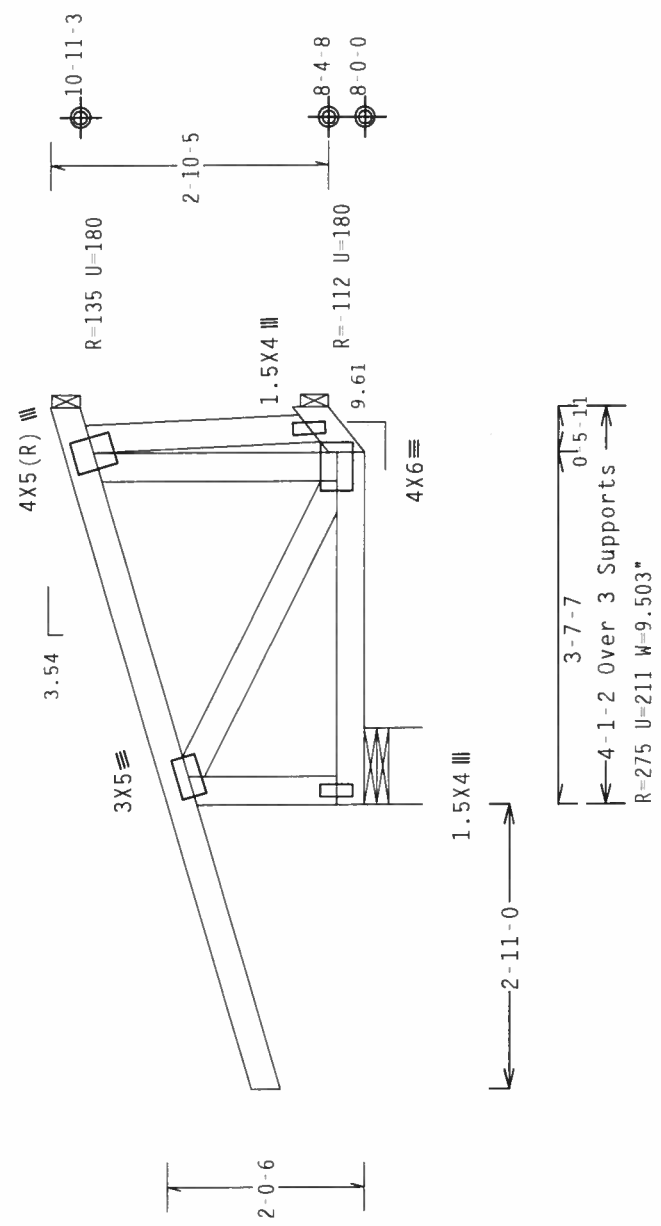
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg,
Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.

Hipjack supports 2-10-12 setback jacks with no webs.

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

Shim all supports to solid bearing.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.10.1222

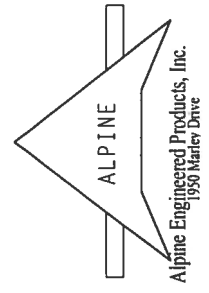
QTY:1 FL/-/4/-/R/-

Scale = .5" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719), AND RES 1.04 (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 PLATE'S AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF THE TRUSS. THE TRUSS SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AREA AND TPI. 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 AREA A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN.

REF	R2888- 96112
DATE	12/13/05
DRW	HCUSR2888 05347148
HC-ENG	EC/WHK
SEON-	45541
TOT. LD.	37.0 PSF
DUR. FAC.	1.25

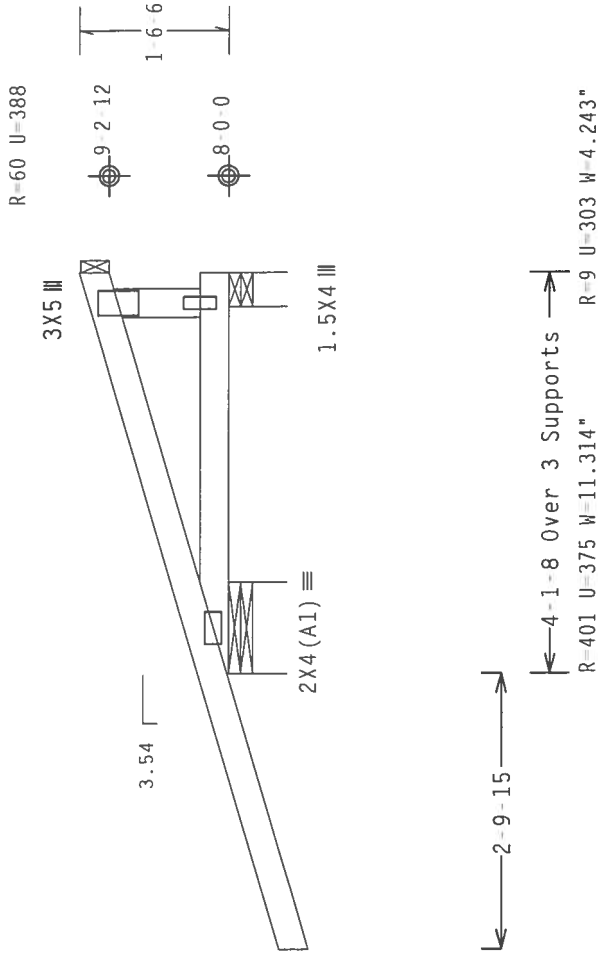


Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Components and cladding wind pressures considered for uplift callouts.
Deflection meets L/240 live and L/180 total load.

110 mph wind, 30.00 ft mean hgt, ASCE 7-98, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

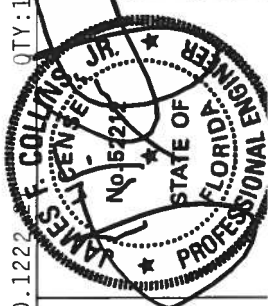
7.10.1222

QTY:1 FL/-/4/-/-/R/-

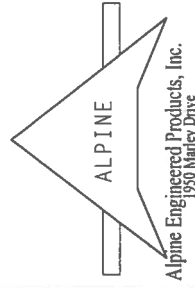
Scale = .5"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR WCA REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE CONNECTOR PLATES ARE MADE OF 50/10/16GA (N-J/S/M) ASTM A653 GRADE 40/660 (N-J/S/M) KILLS. 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. THE ENGINEER HAS NOT AND DOES NOT HAVE TO THE REPRESENTATION OF THE



TC LL	20.0 PSF	REF	R2888- 96113
TC DL	7.0 PSF	DATE	12/13/05
BC DL	10.0 PSF	DRW	HCUSR2888 05347147
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	37.0 PSF	SEQN-	24052
DUR.FAC.	1.25		



CONVENTIONALLY FRAMED VALLEY DETAIL

- (A) 2X6 OR LARGER SP #2 OR SPF #1/#2 VALLEY RAFTER
- (B) 2X4 SP OR SPF #3 CRIPPLE (MAX HEIGHT 6'-3")
- (C) 2X4 SP OR SPF #3 CRIPPLE (MAX HEIGHT 6'-3")
- (D) 2X6 OR LARGER SP #2 OR SPF #1/#2 RIDGE BOARD

NOTE: RIDGE BOARD (D) MUST NOT BE OF LESS SIZE THAN THAT OF VALLEY RAFTER (A).

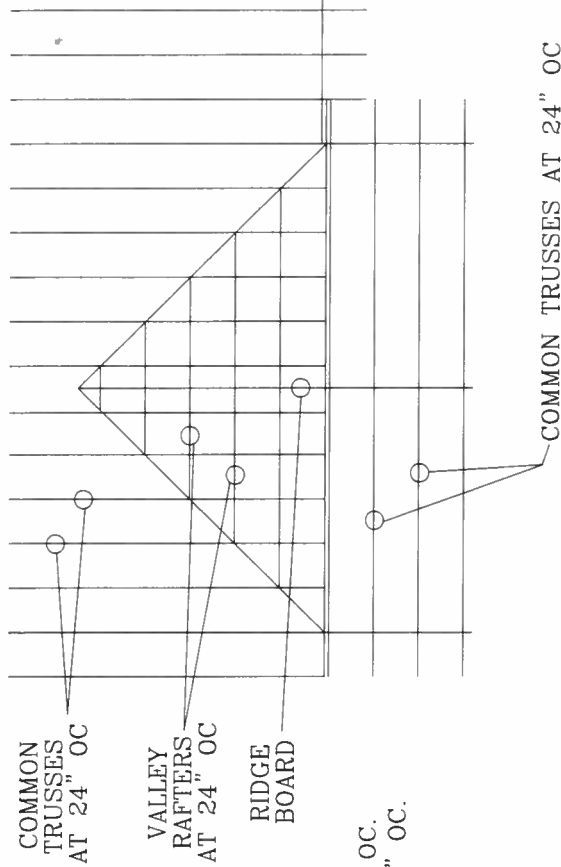
NOTE: REFER TO VALLEY DETAIL VALTRUSS1001 FOR SUPPORTING TRUSS BRACING DETAILS.

- (B), (C) MAX HEIGHT WITH 1X4 "T" BRACE IS 9'-10".
- (B), (C) MAX HEIGHT WITH 2X4 "T" BRACE IS 11'-2".

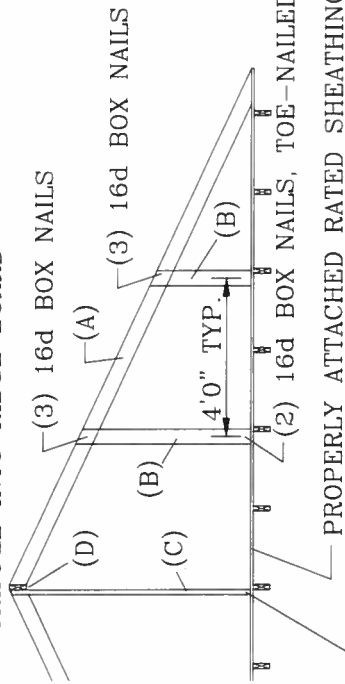
FOR 1X4 AND 2X4 "T" BRACING, BRACE TO BE SAME GRADE AS CRIPPLE. FASTEN 1X4 "T" BRACE TO CRIPPLE WITH 8d BOX (0.113" x 2.5") NAILS AT 4" OC. FASTEN 2X4 "T" BRACE TO CRIPPLE WITH 16d BOX (0.135" x 3.5") NAILS AT 4" OC.

TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH PROPERLY ATTACHED RATED SHEATHING OR PURLINS AT 24" O.C.

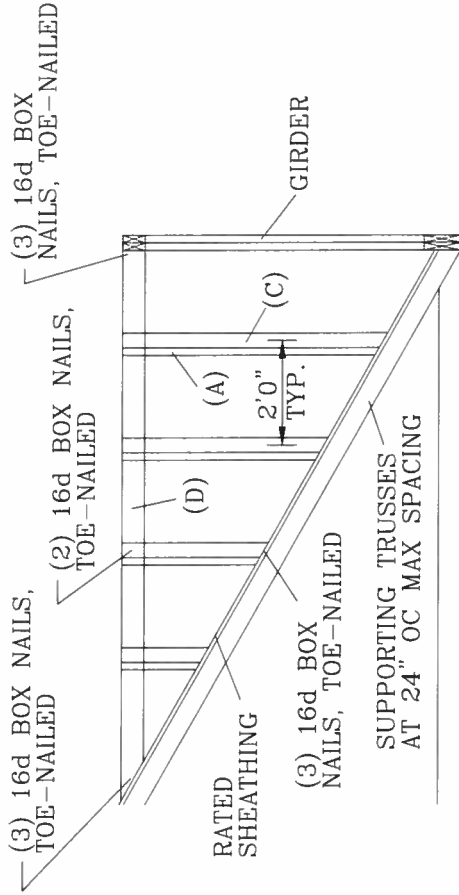
PARTIAL FRAMING PLAN



(2) 16d BOX NAILS, TOE-NAILED THRU CRIPPLE INTO RIDGE BOARD



(3) 16d BOX NAILS, TOE-NAILED THRU CRIPPLE INTO RATED SHEATHING



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DONDORFF 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 COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN. ANY FAILURE TO FOLLOW THE TRUSS IN CONFORMANCE WITH THE DESIGN, OR FABRICATING, HANDLING, SHIPPING, OR INSTALLING THE TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. BY AIA/PAE AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S) 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 (C) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING.

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

THIS DRAWING REPLACES DRAWING V105-CONV

TC	LL	30	40	PSF	REF	CONV.	VALLEY
TC	DL	20	15	7	PSF	DATE	11/26/03
BC	DL	10	10	10	PSF	DRWG	VALCONVF1103
BC	LL	0	0	0	PSF	-ENG	MLH/KAR
TOT.	LD.	60	55	57	PSF		
DUR.FAC.	1.25/1.33	1.15	1.15				

