

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:1SPA487-Z0103115446

Truss Fabricator: Anderson Truss Company
Job Identification: 5-315-STEPHEN CRAWFORD/LOT 25 COBBLESTONE
Truss Count: 67
Model Code: Florida Building Code 2001
Truss Criteria: ANSI/TPI-1995(STD)/FBC
Engineering Software: Alpine Software, Versions 7.04, 7.02.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-98 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-1995 Section 2.2
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Details: BRCLBSUB-CNBRGBLK-A11015EC-GBLLETIN

Seal Date: 08/03/2005

-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	72073--H15A		05215034	08/03/05
2	72074--A		05215035	08/03/05
3	72075--F7A		05215036	08/03/05
4	72076--F9A		05215037	08/03/05
5	72077--HM11A		05215038	08/03/05
6	72078--HS13A		05215089	08/03/05
7	72079--HS15A		05215039	08/03/05
8	72080--HS23A		05215040	08/03/05
9	72081--H17AT		05215041	08/03/05
10	72082--H21AT		05215042	08/03/05
11	72083--H19AT		05215043	08/03/05
12	72084--H23AT		05215044	08/03/05
13	72085--H23AT		05215045	08/03/05
14	72086--AT1		05215046	08/03/05
15	72087--H7B		05215047	08/03/05
16	72088--H9B		05215090	08/03/05
17	72089--BS1		05215048	08/03/05
18	72090--BS2		05215049	08/03/05
19	72091--BS3		05215050	08/03/05
20	72092--BS4		05215051	08/03/05
21	72093--H7C		05215052	08/03/05
22	72094--H9C		05215053	08/03/05
23	72095--C		05215025	08/03/05
24	72096--CG		05215054	08/03/05
25	72097--DGE		05215055	08/03/05
26	72098--DG		05215056	08/03/05
27	72099--E		05215026	08/03/05
28	72100--EH		05215027	08/03/05
29	72101--EGE		05215057	08/03/05
30	72102--H7F		05215058	08/03/05
31	72103--H9F		05215028	08/03/05
32	72104--H11F		05215059	08/03/05
33	72105--FG		05215060	08/03/05
34	72106--GGE		05215061	08/03/05
35	72107--G		05215029	08/03/05
36	72108--EJ7V1		05215062	08/03/05

#	Ref	Description	Drawing#	Date
37	72109--EJ7V		05215063	08/03/05
38	72110--EJ7		05215064	08/03/05
39	72111--CJ5		05215065	08/03/05
40	72112--HJ7		05215066	08/03/05
41	72113--HJ7T		05215067	08/03/05
42	72114--CJ3		05215068	08/03/05
43	72115--CJ1		05215069	08/03/05
44	72116--EJ7T		05215030	08/03/05
45	72117--EJ7T1		05215031	08/03/05
46	72118--EJ7G		05215070	08/03/05
47	72119--EJ7T2		05215071	08/03/05
48	72120--EJ7G1		05215072	08/03/05
49	72121--MT		05215032	08/03/05
50	72122--EJ7G1		05215073	08/03/05
51	72123--J8		05215074	08/03/05
52	72124--KG		05215075	08/03/05
53	72125--H7M		05215076	08/03/05
54	72126--H9M		05215077	08/03/05
55	72127--H11M		05215033	08/03/05
56	72128--MG		05215078	08/03/05
57	72129--HS17AP		05215079	08/03/05
58	72130--HS19AP		05215080	08/03/05
59	72131--HS21AP		05215081	08/03/05
60	72132--HS23AP		05215082	08/03/05
61	72133--AP		05215091	08/03/05
62	72134--H17AP		05215083	08/03/05
63	72135--H19AP		05215084	08/03/05
64	72136--H21AP		05215085	08/03/05
65	72137--AP1		05215086	08/03/05
66	72138--AP2		05215087	08/03/05
67	72139--APH		05215088	08/03/05



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1950 Marley Drive Haines City, FL 33844

Florida Engineering Certificate of Authorization Number: 567

Page 1 of 1 Document ID:1SPA487-Z0103115446

Truss Fabricator: Anderson Truss Company
Job Identification: 5-315-STEPHEN CRAWFORD/LOT 25 COBBLESTONE (5-315|-STEPHEN CRAWFORD/LOT 25 COBBLESTONE)
Truss Count: 3
Model Code: Florida Building Code 2001
Truss Criteria: ANSI/TPI-1995(STD)/FBC
Engineering Software: Alpine Software, Versions 7.04, 7.02.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-98 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1-1995 Section 2.2
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Seal Date: 08/03/2005

-Truss Design Engineer-
Arthur R. Fisher

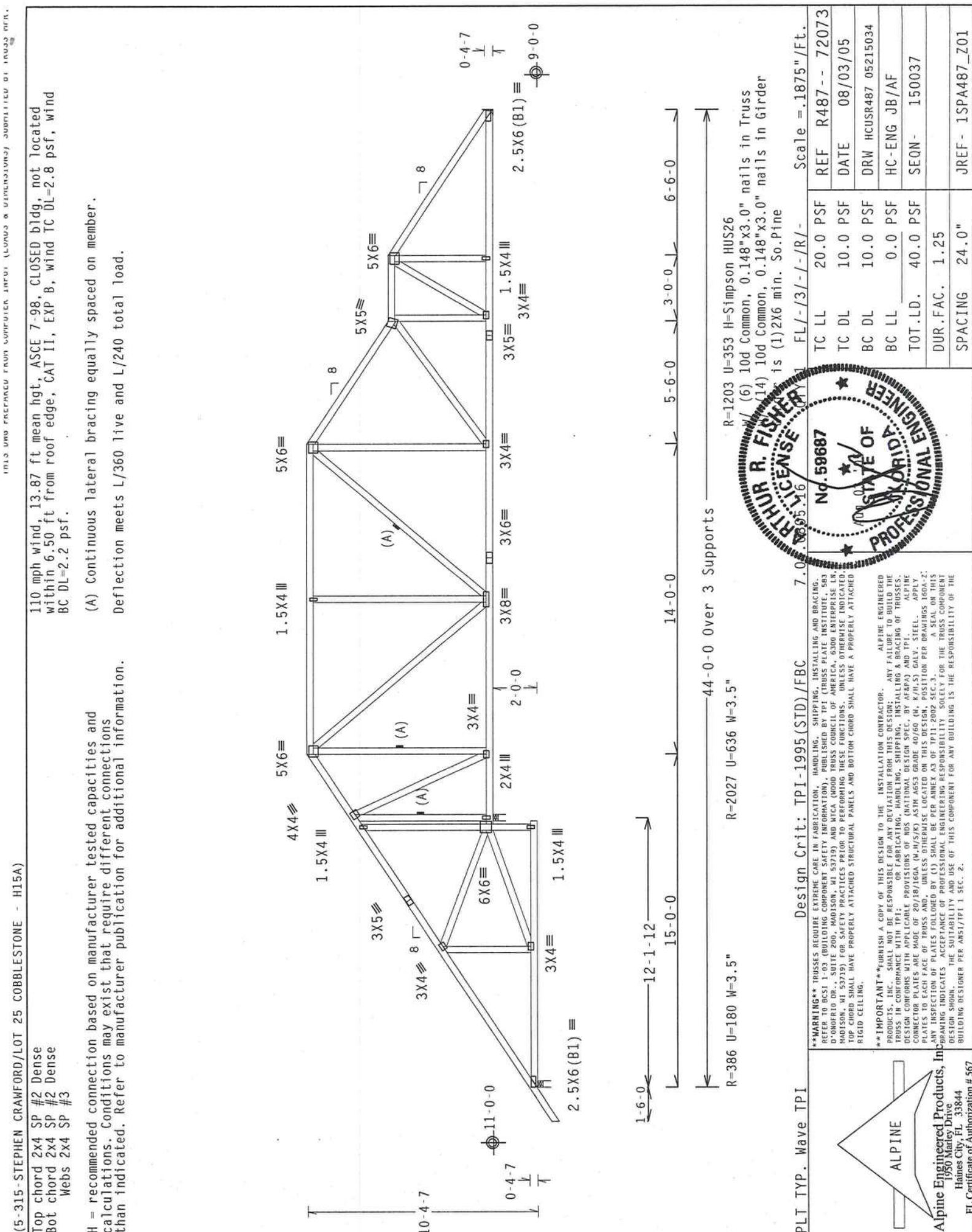
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

Revised Trusses

#	Ref	Description	Drawing#	Date
1	72075--F7A		05215036	08/03/05
2	72096--CG		05215054	08/03/05
3	72105--FG		05215060	08/03/05

ALPINE





(5-315-STEPHEN CRAWFORD/LOT 25 COBBLESTONE - H15A)

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

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

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

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Scale = 1/8" = 1'-0"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

Design Crit: TPI-1995(STD)/FBC

7.0

Design Crit: TPI-1995(STD)/FBC

7.0

Design Crit: TPI-1995(STD)/FBC

7.0

Design Crit: TPI-1995(STD)/FBC

7.0

Design Crit: TPI-1995(STD)/FBC

7.0

Design Crit: TPI-1995(STD)/FBC

7.0

Design Crit: TPI-1995(STD)/FBC

7.0

Design Crit: TPI-1995(STD)/FBC

7.0

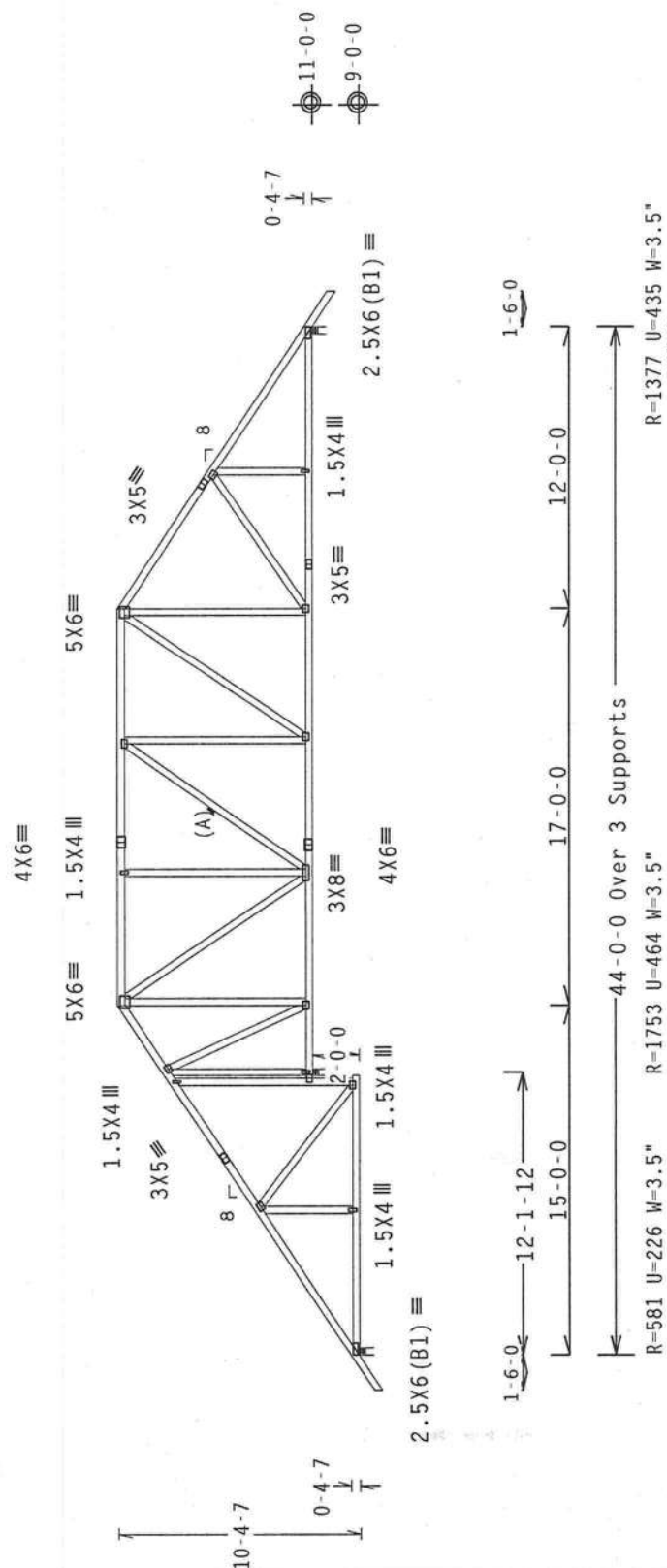
(5-315-STEPHEN CRAWFORD/LOT 25 COBBLESTONE - A)

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

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

(A) Continuous lateral bracing equally spaced on member.

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



Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

FL/-/3/-/-R/-

Scale = .125"/ft.

ALPINE Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 DUNDREDFIELD DR., SUITE 200, FAIRBANKS, AK 99701) AND MTC (METAL TRUSS COUNCIL, 6000 WYOMING AVE., SUITE 100, DENVER, CO 80231) FOR ADDITIONAL INFORMATION. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.		REF	R487 --	72074
	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/PFA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W, H/S/K) ASTM A653 GRADE 40/60 (W, H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/TPI 1 SEC. 2.		DATE	08/03/05	
			DRW	HCUSR487	05215035
			HC-ENG	JB/AF	
			SEQN-	150491	
		TOT.LD.	40.0 PSF		
		DUR.FAC.	1.25		
		SPACING	24.0"	JREF- 1SPA487_Z01	

Top chord 2x6 SP #2
Bot chord 2x4 SP #2 Dense :B2 2x6 SP #1 Dense :
:B3 2x6 SP #2:
Webs 2x4 SP #3 :W3, W4, W11 2x4 SP #2 Dense:

110 mph wind, 15.00 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: -0.23" DL: 0.23" recommended camber 1/4"

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

(A) Continuous lateral bracing equally spaced on member.

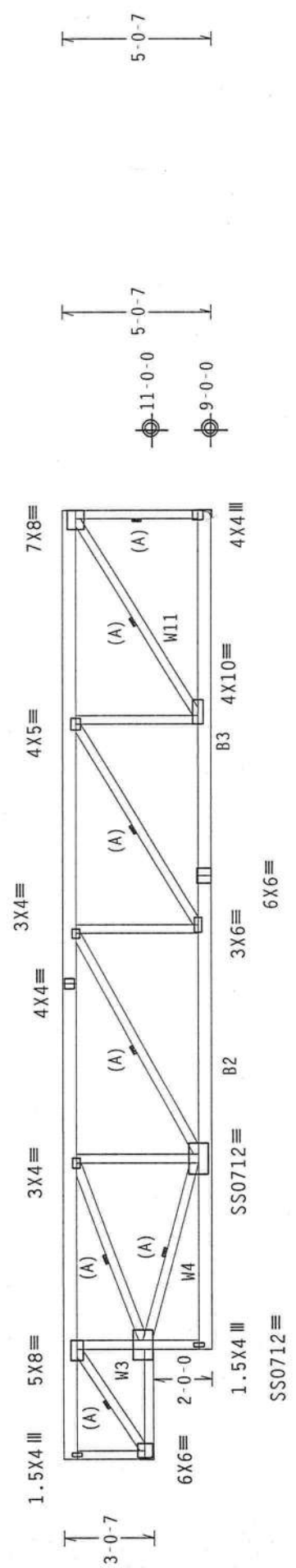
Deflection meets L/360 live and L/240 total load.

Truss must be installed as shown with top chord up.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)		60 PLF at 0.00 to 60 PLF at 32.00		20 PLF at 0.00 to 20 PLF at 32.00	
TC	From	TC	From	TC	From
8C	179 LB Conc.	PLT	179 LB Conc.	PLT	179 LB Conc.
	Load at (10.44, 14.00)		Load at (10.44, 14.00)		Load at (10.44, 14.00)
	PLT	179 LB Conc.	Load at (12.44, 14.00)		Load at (12.44, 14.00)
	PLT	179 LB Conc.	Load at (14.44, 14.00)		Load at (14.44, 14.00)
	PLT	179 LB Conc.	Load at (16.44, 14.00)		Load at (16.44, 14.00)
	PLT	179 LB Conc.	Load at (18.44, 14.00)		Load at (18.44, 14.00)
	PLT	179 LB Conc.	Load at (20.44, 14.00)		Load at (20.44, 14.00)
	PLT	179 LB Conc.	Load at (22.44, 14.00)		Load at (22.44, 14.00)
	PLT	179 LB Conc.	Load at (24.44, 14.00)		Load at (24.44, 14.00)
	PLT	179 LB Conc.	Load at (26.44, 14.00)		Load at (26.44, 14.00)
	PLT	179 LB Conc.	Load at (28.44, 14.00)		Load at (28.44, 14.00)
	PLT	179 LB Conc.	Load at (30.44, 14.00)		Load at (30.44, 14.00)
	PLB	776 LB Conc.	Load at (10.06, 9.04)		Load at (10.06, 9.04)
	PLB	74 LB Conc.	Load at (10.44, 9.04)		Load at (10.44, 9.04)
	PLB	74 LB Conc.	Load at (12.44, 9.04)		Load at (12.44, 9.04)
	PLB	74 LB Conc.	Load at (14.44, 9.04)		Load at (14.44, 9.04)
	PLB	74 LB Conc.	Load at (16.44, 9.04)		Load at (16.44, 9.04)
	PLB	74 LB Conc.	Load at (18.44, 9.04)		Load at (18.44, 9.04)
	PLB	74 LB Conc.	Load at (20.44, 9.04)		Load at (20.44, 9.04)
	PLB	74 LB Conc.	Load at (22.44, 9.04)		Load at (22.44, 9.04)
	PLB	74 LB Conc.	Load at (24.44, 9.04)		Load at (24.44, 9.04)



R-2817 U-1254 H-Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X6 min. So.Pine

PLT TYP.	18 Gauge HS.Wave	TPI	Design Crit:	TPI-1995(STD)/FBC	7.04	0.00	7.04	1	FL/-3/-1-/R/	Scale =.1875"/Ft.
PLT TYP.	18 Gauge HS.Wave	TPI	Design Crit:	TPI-1995(STD)/FBC	7.04	0.00	7.04	1	FL/-3/-1-/R/	Scale =.1875"/Ft.

*****WARNING**** TROUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TP1 (TRUSS PACE INSTITUTE, 583 D'DONOFIO DR., SUITE 200, MADISON, WI 53719) AND NCA (NORTH 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 TOP CHORD CEILING.

****IMPORTANT****—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN CONFORMANCE WITH TPI. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/1/16GA. (W/H/S/T) ASTM A653 GRADE 40/60 (W. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS PROJECT PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-2000 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS COMPONENT OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R487 -- 72075
TC DL	10.0 PSF	DATE 08/03/05
BC DL	10.0 PSF	DRW HCUSR487 05215036
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 149772 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SPA487_Z01

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

End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

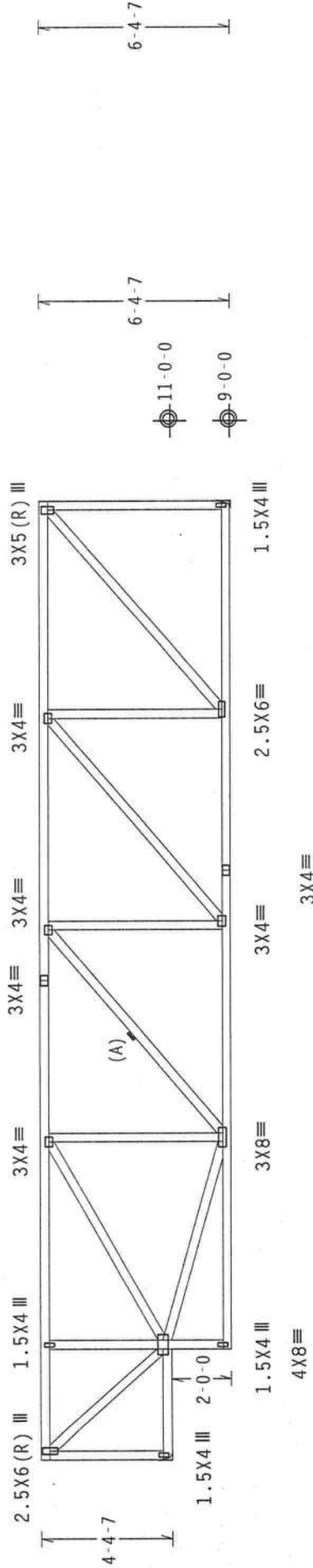
Deflection meets L/360 live and L/240 total load.

Truss must be installed as shown with top chord up.

110 mph wind, 15.37 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

Provide for complete drainage of roof.



3-8-0
28-4-0 Over 2 Supports

R=1280 U=397 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=1280 U=397 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

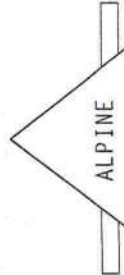
FL/-3/-1-R/-

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487 -- 72076
TC DL	10.0 PSF	DATE	08/03/05
BC DL	10.0 PSF	DRW	HCSR487 05215037
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON-	149768
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SPA487_Z01

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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/NA) AND TPI STEEL CONNECTOR PLATES ARE TO BE USED IN ALL TRUSS AND BRACING CONNECTIONS. UNLESS OTHERWISE INDICATED, ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

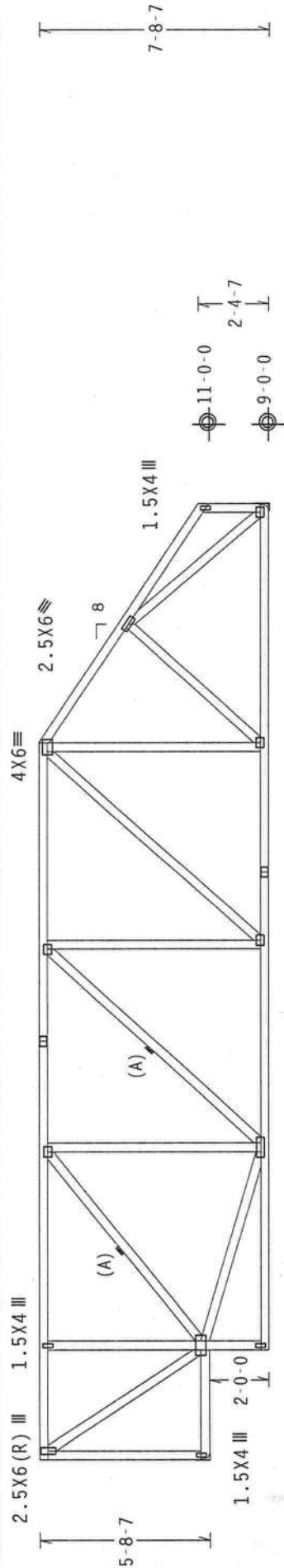
110 mph wind, 14.04 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

End verticals not exposed to wind pressure.

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

(A) Continuous lateral bracing equally spaced on member.

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



—32-0-0 Over 2 Supports

24-0-0
28-4-0

R-1280 U-374 H-Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=1280 U=409 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2x6 min. So.Pine
Note: All Plates are 3x4 Except As Shown

PIT TYP Wave TPI

Design Crit: TPI-1995 (STD) / FBC

0

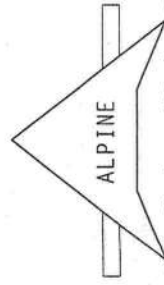
EI 1-131-1-1R/-

Scale = 1875"/Ft

TC LL	20.0	PSF	REF	R487 -- 72077
TC DL	10.0	PSF	DATE	08/03/05
BC DL	10.0	PSF	DRW	HCUSR487 05215038
BC LL	0.0	PSF	HC-ENG	JB/AF
TOT.LD.	40.0	PSF	SEQN-	149783
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1SPA487_Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PEAKE INSTITUTE, 583 O'DONNELL DR., SUITE 200, HUDSON, WI 53539) AND WCA (WOOD CONSTRUCTION ASSOCIATION, 1000 W. 15TH AVE., SUITE 100, DENVER, CO 80202) FOR ADDITIONAL INFORMATION. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD SETTING.

[illegible]

Alpine Engineered Products, Inc.
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FL Certificate of Authorization # 567

(5-315-STEPHEN CRAWFORD/LOT 25 COBBLESTONE - HS13A)

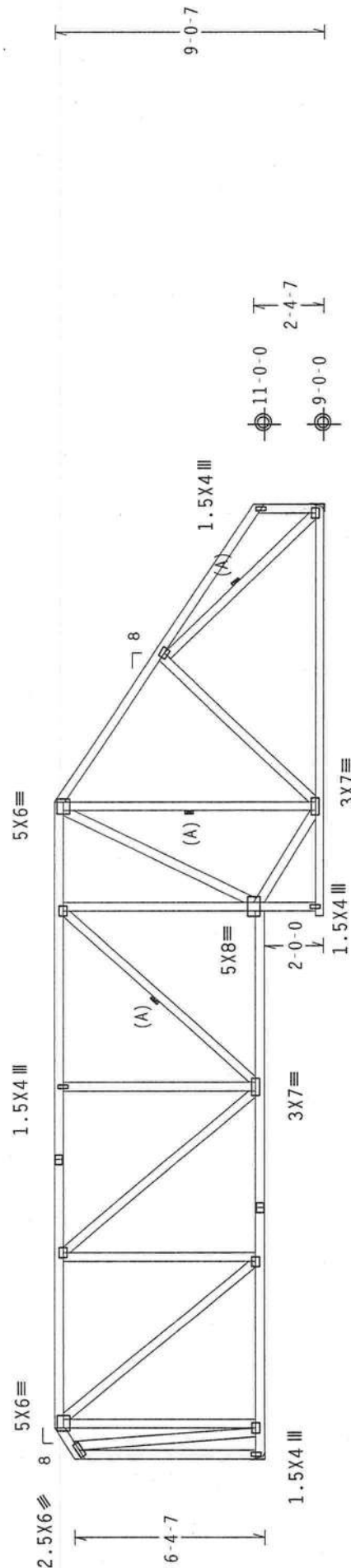
Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense
Webbs	2x4	SP	#3	

1110 mph wind, 14.70 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

and verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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



Q=1280 U=409 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2x6 min. So.Pine

Q-1280 U-369 H-Simpson HUS26
W/ (6) 10d Common, 0.148"x3.0" nails in Truss
W/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

.04

FL/-/3/-/-/R/-

Scale = .1875"/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, 583 O'NEARIO BL., 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 TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & UNLOADING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TP1. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/IN/S/PL) ASTM A653 GRADE 40/50 (44, K/H/S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN, PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP1-2009 SEC.3. A SEAL ON THIS COMPANING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1.2C. 2.



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

FL Certificate of Authorization # 567

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

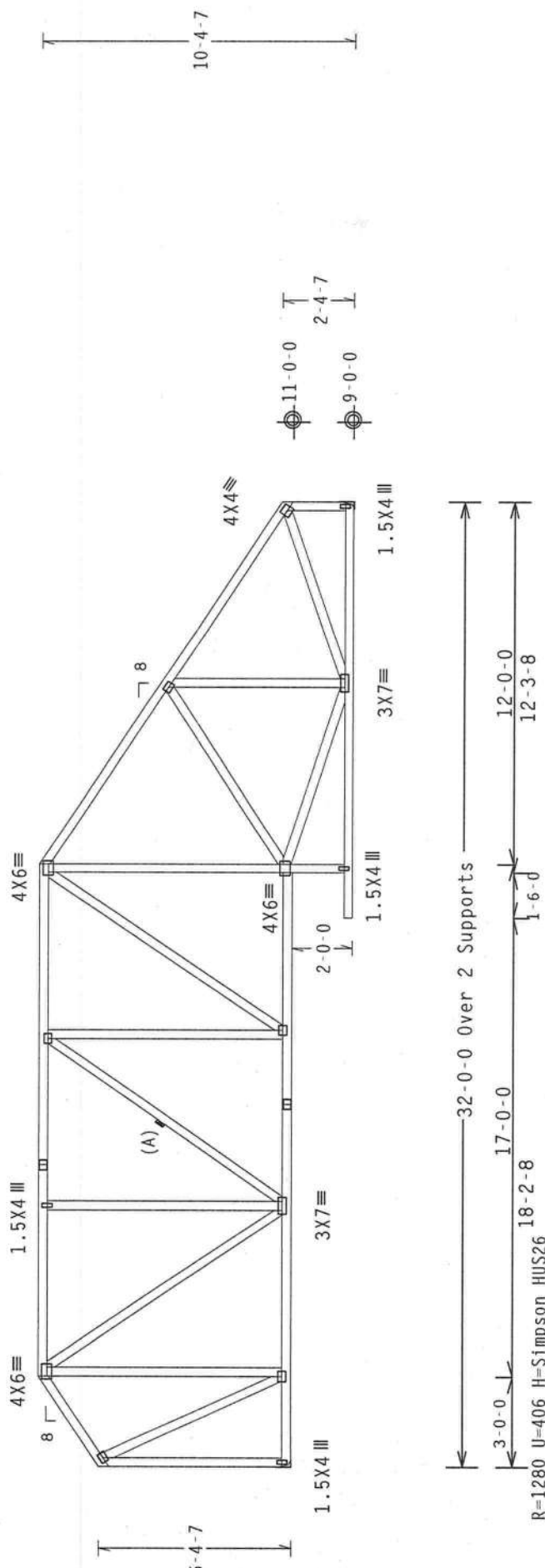
110 mph wind, 15.37 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

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



R=1280 U=406 H-Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Note: All Plates Are 3X4 Except As Shown.

R=1280 U=368 H-Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

Scale = .1875" / Ft.

TC LL	20.0 PSF	REF	R487 - -	72079
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUSR487	05215039
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	149887	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SPA487_Z01	

ALPINE

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

FL Certificate of Authorization # 567

Professional Engineer
No 59687
State of Florida
August 3, 2005

ARTHUR R. FISHER
Professional Engineer
No 59687
State of Florida
August 3, 2005

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 THE TRUSS CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/160A (U.H/S/K) ASTM A653 GRADE 40/60 (U. F/H/S) GALV. STEEL. PLATES SPECIFICALLY DESIGNED FOR THIS TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

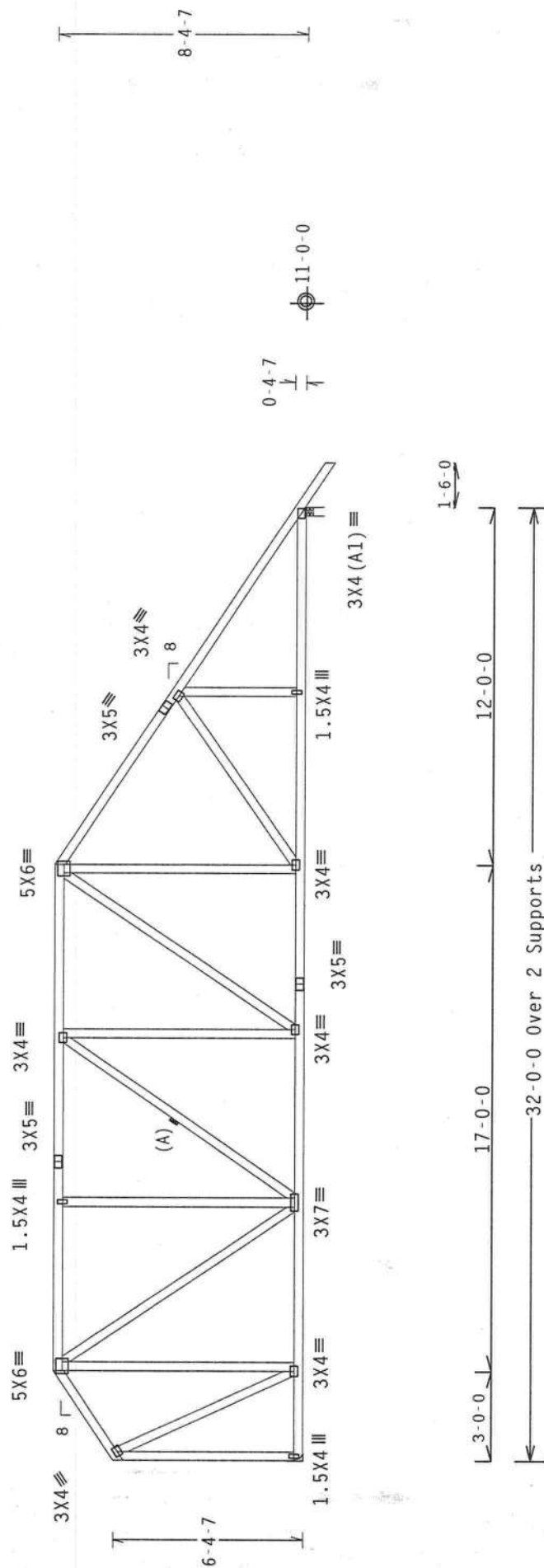
	Top	Bot	chord	2x4	SP	#2	Dense
			chord	2x4	SP	#2	Dense
			webs	2x4	SP	#3	

110 mph wind, 14.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Left end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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



R=1265 U=401 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0
w/ (14) 10d Common, 0.148"x3.0
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.

APR 15 1988
ALLIANCE
LICENSE

FL / - / 3 / - / - / R / -

Scale = 1875"/Ft

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FPI (CHASSIS PLATE INSTITUTE, 583 0'00R010 DR., SUITE 200, MADISON, WI 53719) AND WITNESSING THESE PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED TOP RIGID CEILING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE REQUIREMENTS OF NDS (NATIONAL DESIGN SPECIFICATION) ALUMINUM CONNECTOR PLATES ARE MADE OF 2017/18T6G6 (H145) ASTM A955 GRADE 40/60 (H, R/H/AS) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T60A-2. BRACING INDICATES THE SUITABILITY AND USE OF THIS CONNECTOR FOR TRUSS COMPONENT BUILDING SHOWN PER ANS/ALP/1 SEC. 2.



TC LL	20.0 PSF	REF	R487 -- 7208
TC DL	10.0 PSF	DATE	08/03/05
BC DL	10.0 PSF	DRW	HCUSR487 05215040
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	150503
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SPA487 Z01

(5-315-STEPHEN CRAWFORD/LOT 25 COBBLESTONE - H17AT)

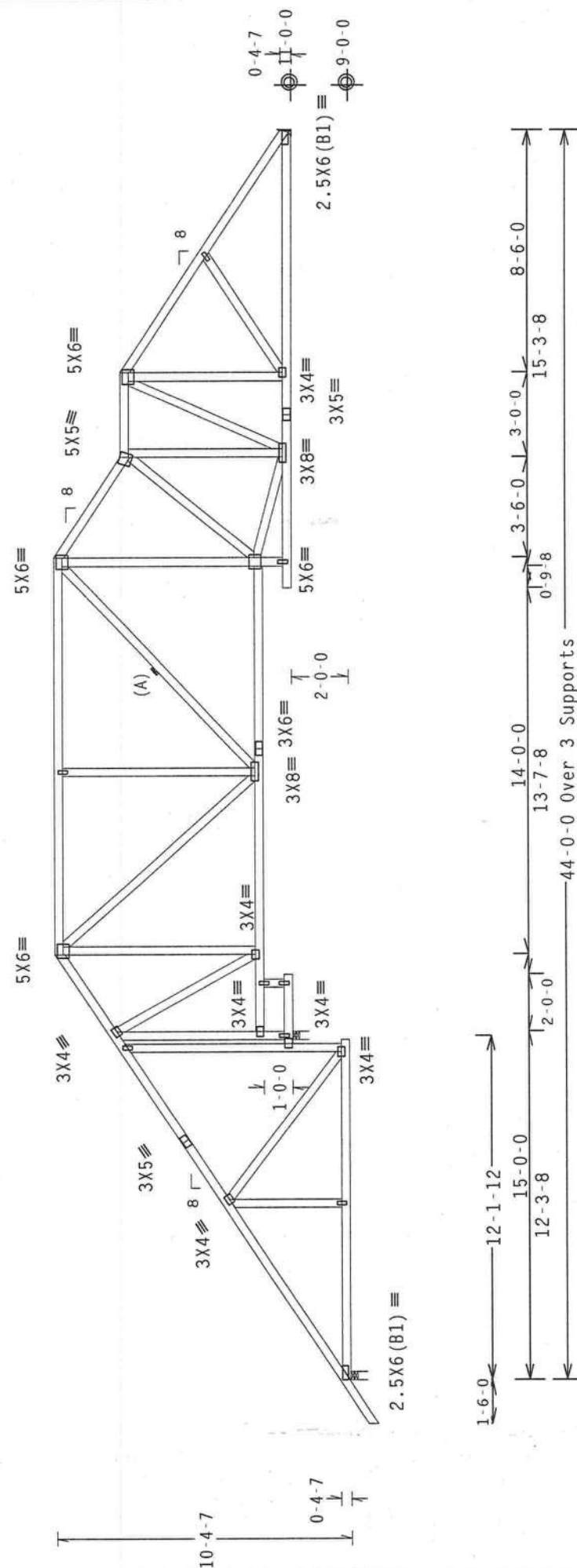
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP 8, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

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

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



Note: All Plates Are 1.5X4 Except As Shown.
R=576 U=205 W=3.5"
R=1766 U=487 W=3.5"
R=1274 U=394 H=Stimpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
(14) 10d Common, 0.148"x3.0" nails in Girder
is (1)2X6 min. So.Pine

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

Scale = .1875"/Ft.

7.00

FL/-3/-/-R/-

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

REF R487-- 72081

DATE 08/03/05

DRW HCUSR487 05215041

HC-ENG JB/AF

SEQN- 150315

JREF- 1SPA487_Z01

ALPINE

Alpine Engineered Products, Inc.

1950 Mauley Drive

Haines City, FL 33844

FL Certificate of Authorization # 567

ARTHUR R. FISHER

Professional Engineer

No. 59687

State of Florida

Professional Engineer

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING CODES) AND TPI-1995(STD) FOR ADDITIONAL INFORMATION. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI-1995(STD) OR THE DESIGN SPEC. BY A/R/P/A) AND TPI-1995(STD) SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. THE FABRICATOR SHALL BE RESPONSIBLE FOR THE TRUSS BEING SHIPPED TO THE SITE IN A MANNER THAT WILL NOT DAMAGE THE TRUSS OR THE CEILING. THE FABRICATOR SHALL BE RESPONSIBLE FOR THE TRUSS BEING SHIPPED TO THE SITE IN A MANNER THAT WILL NOT DAMAGE THE TRUSS OR THE 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-1995(STD) OR THE DESIGN SPEC. BY A/R/P/A) AND TPI-1995(STD) SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. THE FABRICATOR SHALL BE RESPONSIBLE FOR THE TRUSS BEING SHIPPED TO THE SITE IN A MANNER THAT WILL NOT DAMAGE THE TRUSS OR THE CEILING. THE FABRICATOR SHALL BE RESPONSIBLE FOR THE TRUSS BEING SHIPPED TO THE SITE IN A MANNER THAT WILL NOT DAMAGE THE TRUSS OR THE CEILING.

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

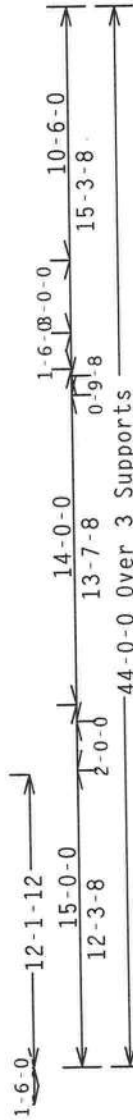
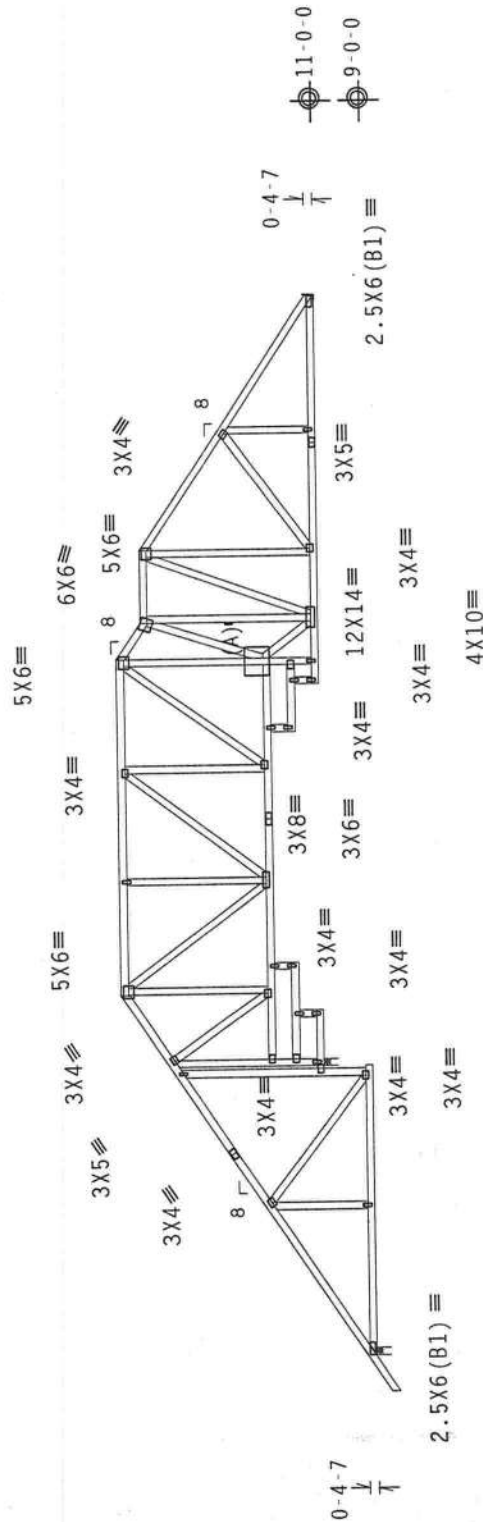
110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

(A) Continuous lateral bracing equally spaced on member.

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

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

SEE DWGS TCFILLER1103 AND 8CFILLER1103 FOR FILLER DETAILS.
 Laterally brace bottom chord above filler at 24" o.c. and top
 chord under filler at 24" o.c. including a lateral brace at
 chord ends.



R=1273 U=394 H=Simpson HUS26
W/1000000 Common, 0.148"x3.0" nails in Truss
11.1 R. Simpson Common, 0.148"x3.0" nails in Girder
1000000 min. So. Pine

Scale = .125"/Ft.

Note: All plates are 1.5X4 except as shown.

PIT TYP. Wave TPI

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

7.0

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY API (TRUSS PULPIT INSTITUTE, 583 D'ONOFRIO 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, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN OR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1. OR FABRICATION SHOPPING, INSTALLING AND BRACING. ALPINE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC/AISI/AWS/ASTM A563 GRADE 40 (48, 50/50) GALV. STEEL. CONNECTOR PLATES ARE MODIFIED PER AISC/AISI/AWS/ASTM A563 GRADE 40 (48, 50/50) GALV. STEEL. PLATES TO EACH CHORD END AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2 THROUGH 160C-2. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT IS GRANTED TO THE CLIENT. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER. SEE THE BUILDING DESIGNER PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. SECTION 5.01.2.

TC LL	20.0 PSF	REF	R487--	72083
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TC DI	10 0 PSE	DATE	08/03/05
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[illegible]

BC UL	10.0 PSF	DKW HCUSR487 05Z13043
		U.S. ENO 10/14/6

BC LL	0.0 PSF	HC-ENG JB/AF
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TOT.LD.	40.0 PSF	SEQN-	150309
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DUR.FAC.	1.25
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SPACING	24.0"	JREF- 1SPA487_Z01
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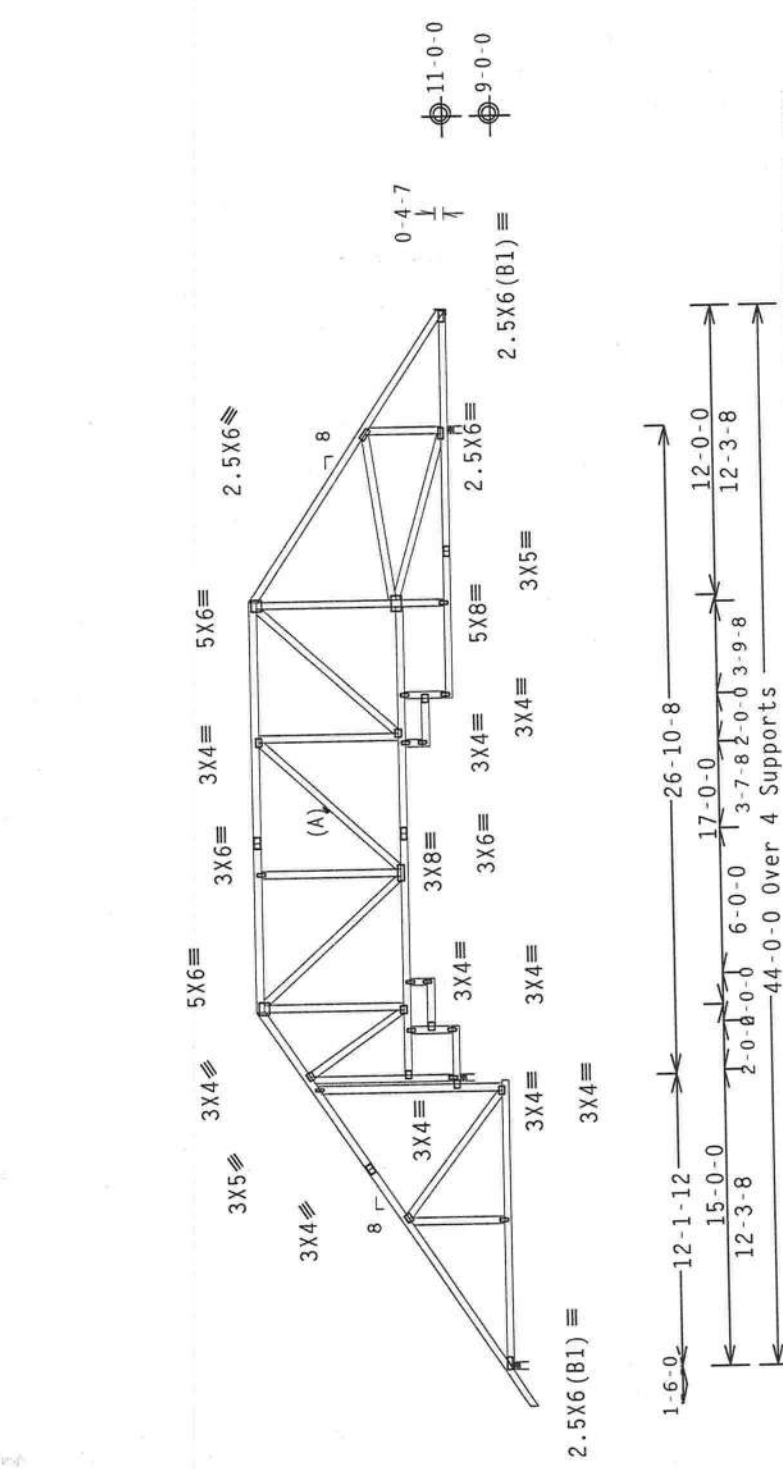
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

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

SEE DWGS TC-FILLER1103 AND BC-FILLER1103 FOR FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C. AND TOP CHORD UNDER FILLER AT 24" OC INCLUDING A LATERAL BRACE AT CHORD ENDS.



R=20 U=180 H=Simpson LU24
0.148"x1.5" nails in Truss
Simpson, 0.148"x3.0" nails in Girder
min. So.Pine

R=580 U=208 W=3.5" R=1524 U=425 W=3.5" R=1532 U=477 W=3.5"

Note: All Plates Are 1.5X4 Except As Shown.

Scale = .125" / Ft.

PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FBC	7.0	FL/-/3/-/R/-	TC LL	20.0 PSF	REF	R487-- 72084
				TC DL	10.0 PSF	DATE	08/03/05
				BC DL	10.0 PSF	DRW	HCUSR487 05215044
				BC LL	0.0 PSF	HC-ENG	JB/AF
				TOT.LD.	40.0 PSF	SEON-	150462
				DUR.FAC.	1.25		
				SPACING	24.0"	JREF-	1SPA487_Z01



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

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), DUNDORF DR., SUITE 200, MADISON, WI 53719 AND MTCA (WOOD TRUSS COUNCIL OF AMERICA), 1000 W. ALPINE 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 DETAILING OR CONSTRUCTION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI'S PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. APPLY CONNECTOR PLATES AND BOLTS TO ALL TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SUEPLY FOR THE TRUSS COMPONENT DESIGNER SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

(5-315-STEPHEN CRAWFORD/LOT 25 COBBLESTONE - H23AT)

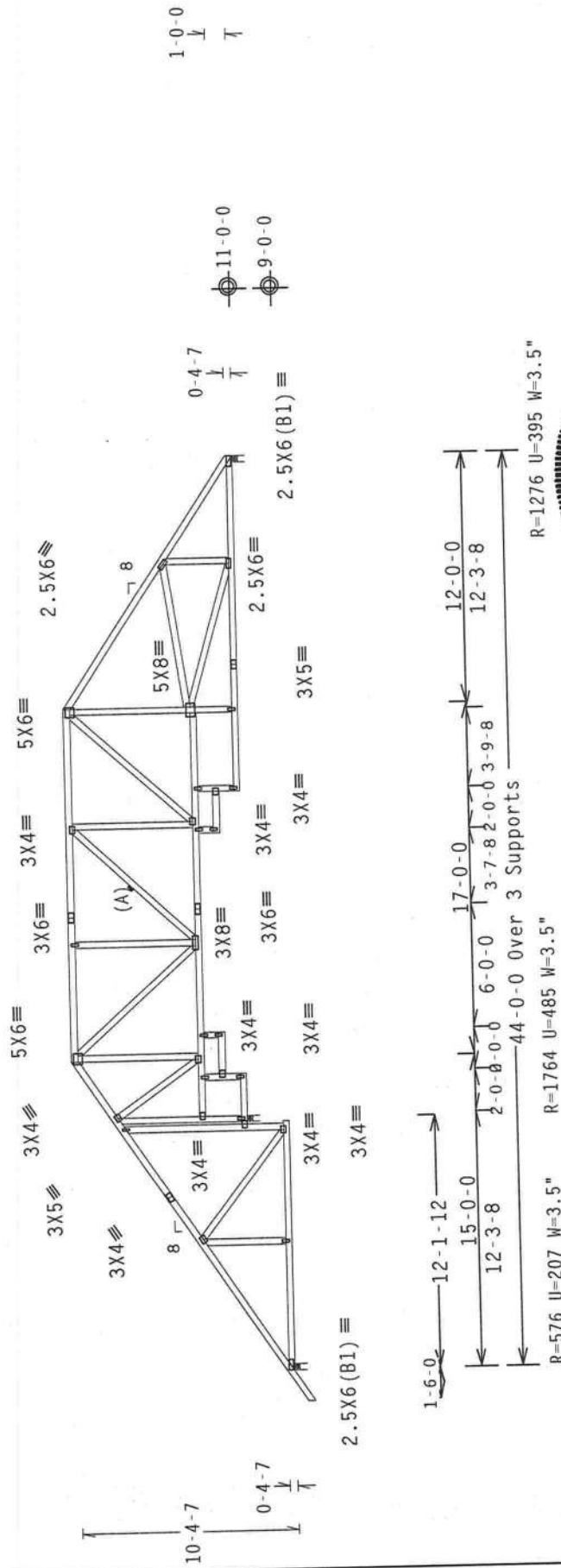
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

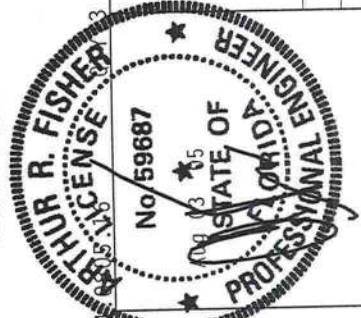
(A) Continuous lateral bracing equally spaced on member.

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



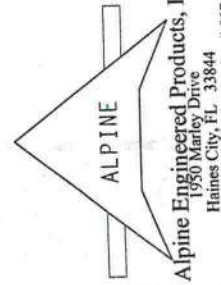
Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI		Design Crit: TPI-1995(STD)/FBC		Scale = .125" / Ft.	
		7.0		FL / - / 3 / - / - / R / -	
				TC LL	20.0 PSF
				TC DL	10.0 PSF
				BC DL	10.0 PSF
				BC LL	0.0 PSF
				TOT. LD.	40.0 PSF
				DUR. FAC.	1.25
				SPACING	24.0"
				REF	R487 -- 72085
				DATE	08/03/05
				DRW	HCUSR487 05215045
				HC-ENG	JB/AF
				SEON-	150467
				JREF-	1SPA487_Z01



WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLASMA INSTITUTE, 903 O'CONNOR DR., SUITE 200, MADISON, WI 53719) AND NTC (WOOD TRUSS COUNCIL OF AMERICA, 1000 N. 10TH ST., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI PROVISIONS OF THIS DESIGN, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICATIONS OF THE NATIONAL DESIGN SPEC. BY AIA/ASCE AND TPI. ALPINE CONNECTOR PLATES ARE REQUIRED FOR ALL TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. A SECTION CUT OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SECTION CUT OF THE TRUSS COMPONENT INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



(5-315-STEPHEN CRAWFORD/LOT 25 COBBLESTONE - AT1)

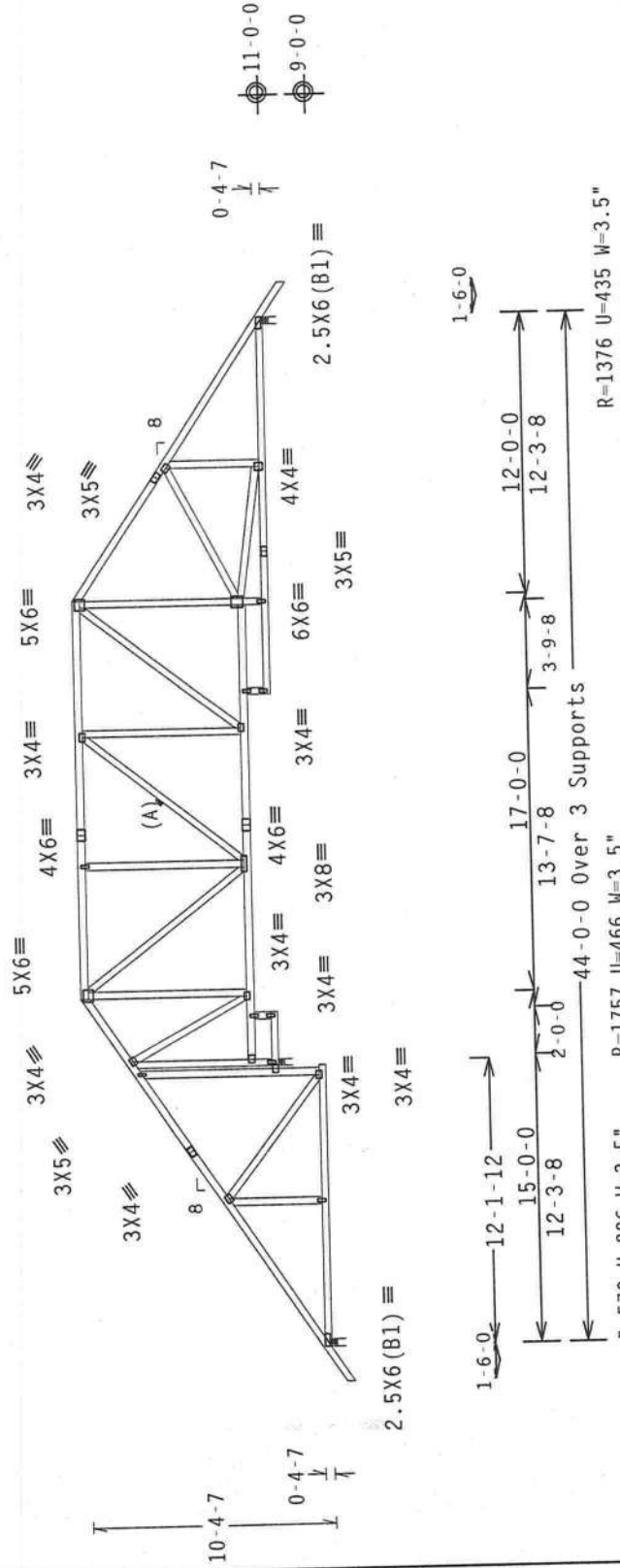
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 13.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

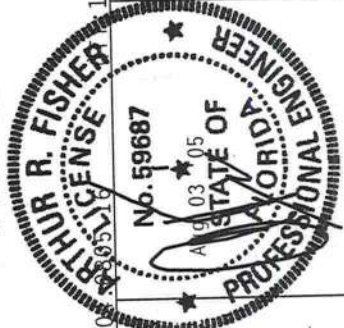
(A) Continuous lateral bracing equally spaced on member.

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



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FBC	7.0	FL/-/3/-/-/R/-	Scale = .125"/Ft.
PLT TYP. Wave TPI			TC LL	20.0 PSF
			TC DL	10.0 PSF
			BC DL	10.0 PSF
			BC LL	0.0 PSF
			TOT.LD.	40.0 PSF
			DUR.FAC.	1.25
			SPACING	24.0"
			REF	R487-- 72086
			DATE	08/03/05
			DRW	HCUSR487 05215046
			HC-ENG	JB/AF
			SEQN	150481
			JREF	1SPA487_Z01

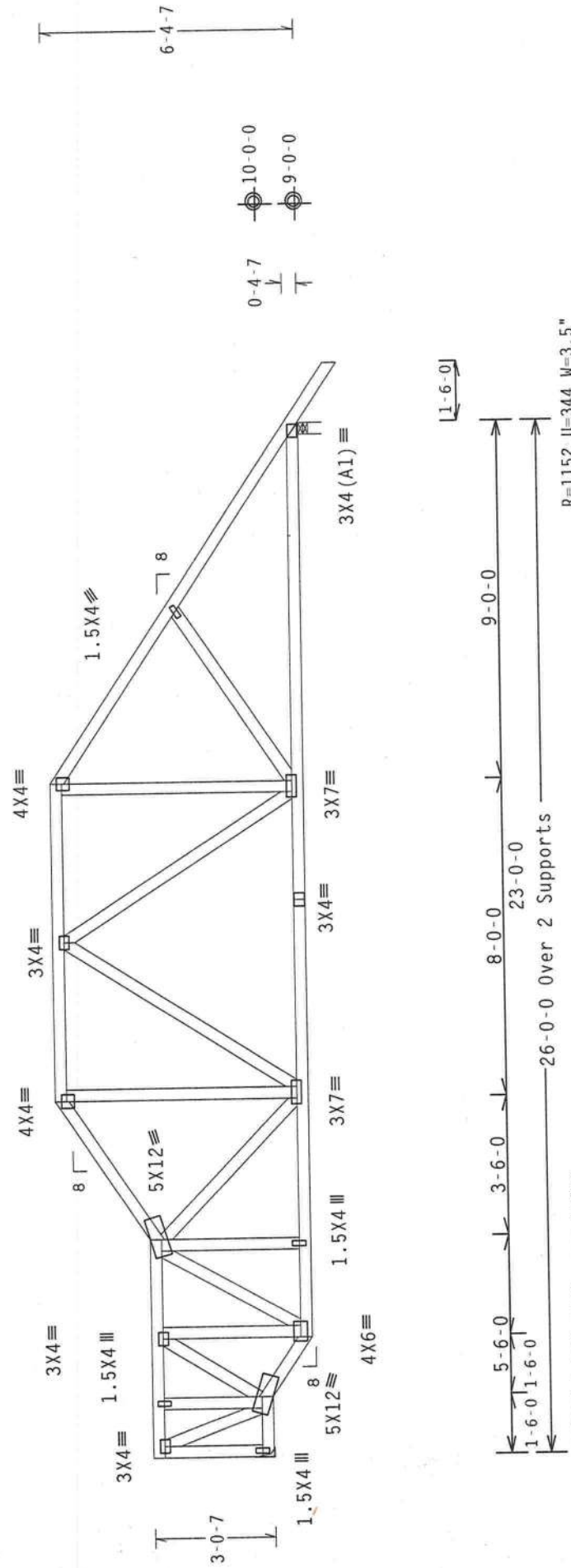


ALPINE ENGINEERED PRODUCTS, INC.
1950 Marley Drive
Haines City, FL 33844

	Top	Bot	Dense
#1	chord	chord	SP
#2	chord	chord	SP
#3	webs	webs	SP

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

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



R-1024 U-312 H-Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Girder is (1)2X6 min. So.Pine

PIT TYP. Wave TPI

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID FEELING.

[illegible]

FL/-/3/-/-R/-		Scale = .25" / Ft.
TC LL	20.0 PSF	REF R487 - - 72088
TC DL	10.0 PSF	DATE 08/03/05
BC DL	10.0 PSF	DRW HCUR487 05215090
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 148113
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SPA487_Z01

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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :85 2x8 SP SS:
Webs 2x4 SP #3

Left end vertical not exposed to wind pressure.

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

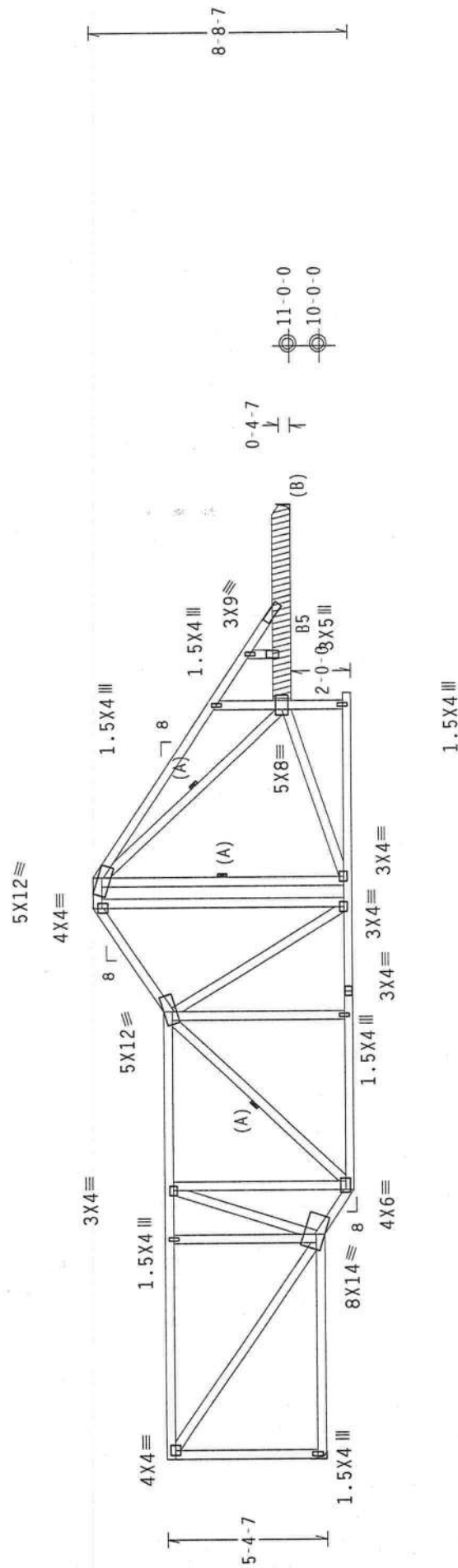
110 mph wind, 14.65 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Max JT VERT DEFL: LL: 0.30" DL: 0.30" recommended camber 1/2"

(A) Continuous lateral bracing equally spaced on member.

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

(1) 2x8x6-6-2 SP SS scab at right end. Attach scab to face of chord with: 10d Common, (0.148"x3", min.) nails @ 8" OC, plus additional nail clusters at: BRG.: (5), heel: (15), 1st panel point: (11).



7'-6-0 15'-0-0 1'-6-0 32'-0-0 Over 2 Supports 12'-6-0

R=1275 U-395 H-Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

R=1285 U=302 H-Simpson HHUS26-2
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7'-0-0

Scale = .1875"/Ft.

	Design Crit: TPI-1995(STD)/FBC		7'-0-0	FL/-/3/-/-/R/-	Scale = .1875"/Ft.
	PLT TYP. Wave TPI				
	R=1275 U-395 H-Simpson HUS26 w/ (6) 10d Common, 0.148"x3.0" nails in Truss w/ (14) 10d Common, 0.148"x3.0" nails in Girder Girder is (1)2X6 min. So.Pine				
	R=1285 U=302 H-Simpson HHUS26-2 w/ (6) 10d Common, 0.148"x3.0" nails in Truss w/ (14) 10d Common, 0.148"x3.0" nails in Girder Girder is (1)2X6 min. So.Pine				
	110 mph wind, 14.65 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.				
	Max JT VERT DEFL: LL: 0.30" DL: 0.30" recommended camber 1/2"				
	TC LL	20.0 PSF	REF	R487 --	72090
	TC DL	10.0 PSF	DATE	08/03/05	
	BC DL	10.0 PSF	DRW	HCUSR487	05215049
	BC LL	0.0 PSF	HC-ENG	JB/AF	
	TOT.LD.	40.0 PSF	SEON	149986	
	DUR.FAC.	1.25			
SPACING		24.0"	JREF	1SPA487_Z01	

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

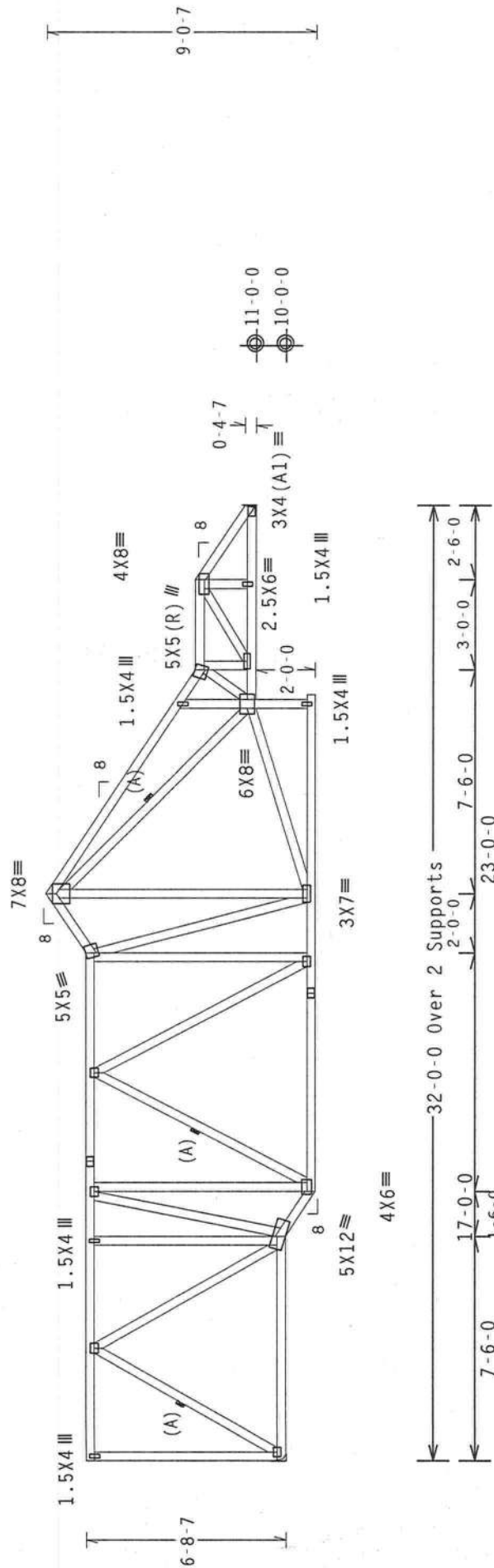
110 mph wind, 14.70 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Left end vertical not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.16" DL: 0.16" recommended camber 1/4"

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

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



R=1270 U=405 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2x6 min. So.Pine
Note: All Plates Are 3x4 Except As Shown

R=1290 U=365 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
w/ (11) 2X6 min. So. Pine

PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD) / FBC

Design Crit: TPI-1995(STD)/FBC

Design Crit: TPI-1995(STD)FBC

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION. HAND TO THE SHIPPING, INSTALLING AND BRACING. REFER TO DESIG-103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 5638 D'OROFFO DR., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ALPHINE CONNECTION PLATES ARE AVAILABLE AT 20'X18"/16GA (A-M)/SPCS ASTM A653 GRADE 40/60 (K/M-S). STEEL. APPLY TO ALL TRUSSES EXCEPT THOSE INDICATED OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS. HINCHEN ASPECTS OF PLATES FOLLOWED BY TRUSSES. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS. DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ALPINE/TPI 1 SEC.-2.

Scale = .1875" / Ft.

TC LL	20.0	PSF	REF	R487 --	72091
TC DL	10.0	PSF	DATE	08/03/05	
BC DL	10.0	PSF	DRW	HCUSR487	05215050
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	149996	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SPA487	Z01



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

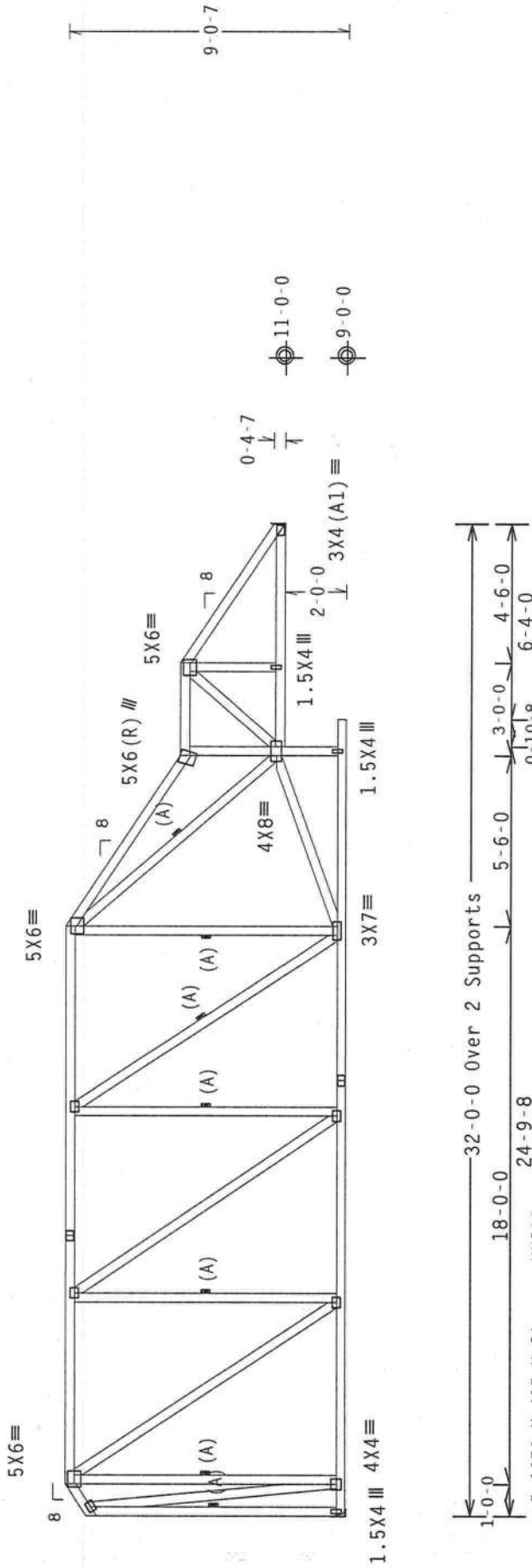
110 mph wind, 14.70 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Left end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

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



R-1270 U-415 H-Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

Note: All Plates Are 3X4 Except As Shown.

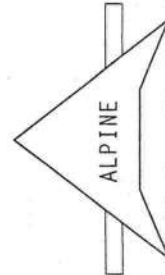
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

3.

FL/-/3/-/-/R/-

Scale = .1875"/Ft.



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WARNING: TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BGS1-1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY IPI TRUSS PLATE INSTITUTE, 593 D'ORFIO DR., SUITE 200, MADISON, WI 53719, AND MTCA LIQUID 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. THIS DESIGN IS THE PROPERTY OF ALPINE ENGINEERING. ANY DEVIATION FROM THIS DESIGN, OR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE PROVISIONS OF THIS DESIGN, SHALL BE THE RESPONSIBILITY OF THE TRUSS DESIGNER. THE SUBSTANTIALITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ALPINE/TPI SEC. 2.



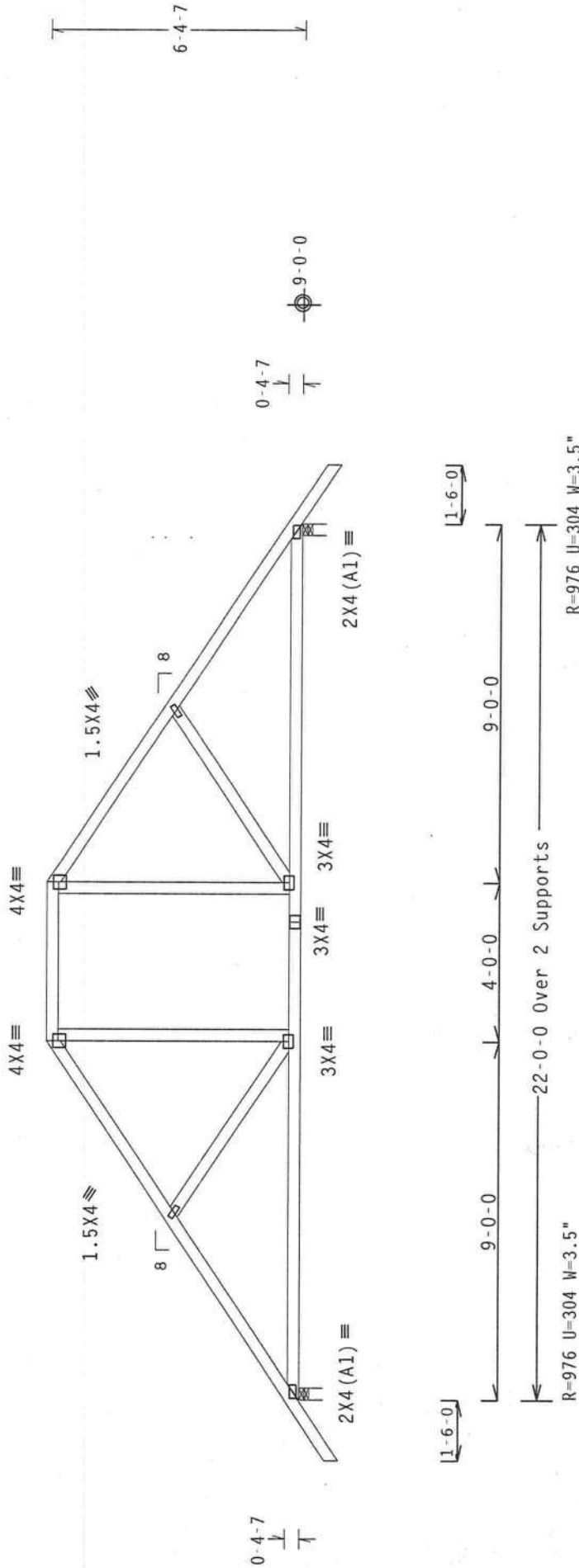
SPACING 24.0"

REF- 1SPA487_Z01

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

110 mph wind, 11.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind
BC DL=2.2 psf.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

FL/-/3/-/-/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 THE INTERNATIONAL ASSOCIATION OF BRIDGE ENGINEERS, 1000 N. MADISON, SUITE 200, MADISON, WI 53719, AND AISC 308 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC 308 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719. UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. APPLY ANY INSPECTION OF PLATES FOLLOWED BY VISUAL INSPECTION OF THE TRUSS. SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS. THE BUILDING DESIGNER, THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

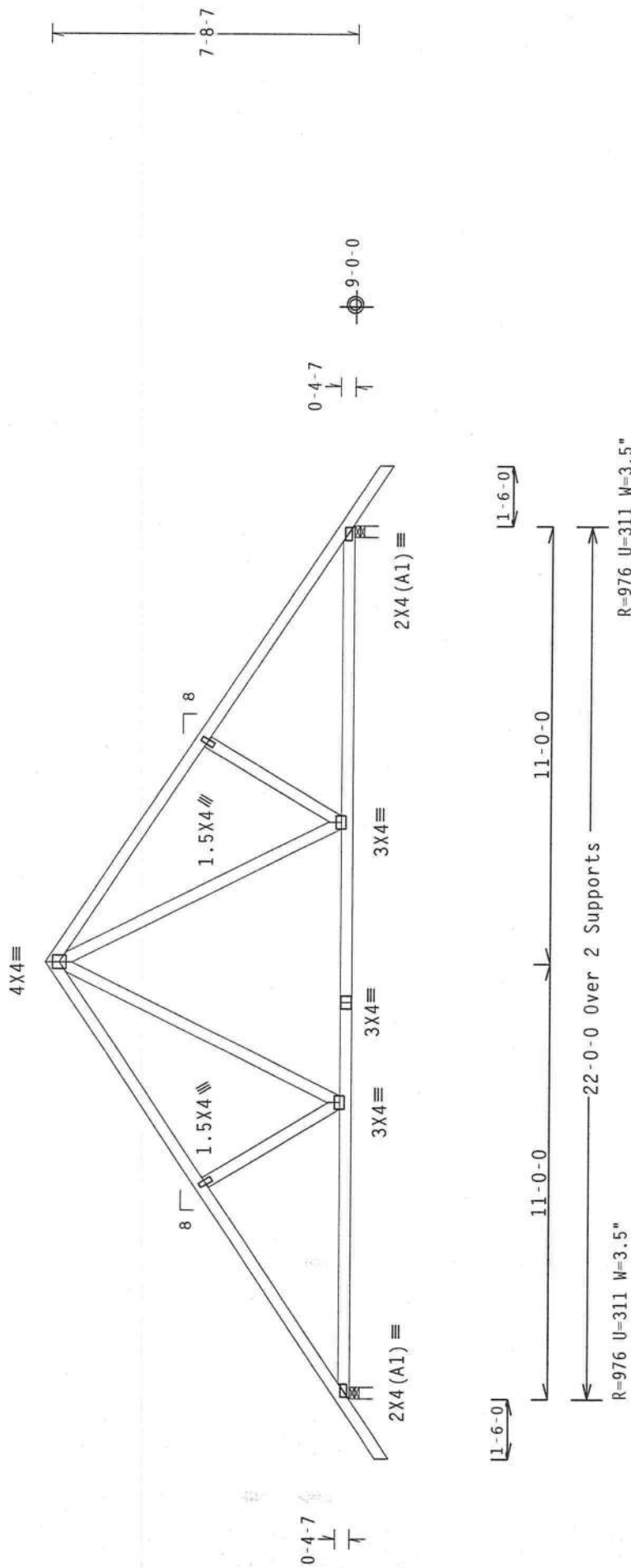
REF	R487 -- 72094
DATE	08/03/05
DRW	HCUSR487 05215053
HC-ENG	JB/AF
SEQN	148205
JREF	1SPA487_Z01

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110 mph wind, 12.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



R=976 U=311 W=3.5"

R=976 U=311 W=3.5"

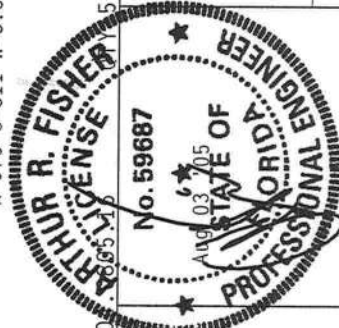
PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD) / FBC

15

Scale = .25"/Ft.

TC LL	20.0	PSF	REF	R487--	72095
TC DL	10.0	PSF	DATE	08/03/05	
BC DL	10.0	PSF	DRW	HCUSR487	05215025
BC LL	0.0	PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0	PSF	SEQN-	148212	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SPA487	Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS RATE INSTITUTE, 583 S. DUNDRIE DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO 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 COMPLIANCE WITH APPLICABLE PROVISIONS OF NATIONAL ARCHITECTURAL SPECIFICATIONS (N.A.S.) AND ALPINE DESIGN CHANGES: N/A. 20/19/16GA. (H. N/ST) ASTM A555 GRADE 40760 (H. K/P.H.S.) GALV. STEEL. APPLY PLATES TO EACH JOINT OF PRESSURE MEMBERS. ALL DIMENSIONS ARE BASED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. WHENEVER THERE IS AN INSPECTION OF PLATES FOLLOWED BY T1 SHALL BE PERMITTED TO REWORK. SEAL ON THE TOP OF THE TRUSS. PREPARING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS. THE ENTIRE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ALPINE/TPI 1 SEC. 2.



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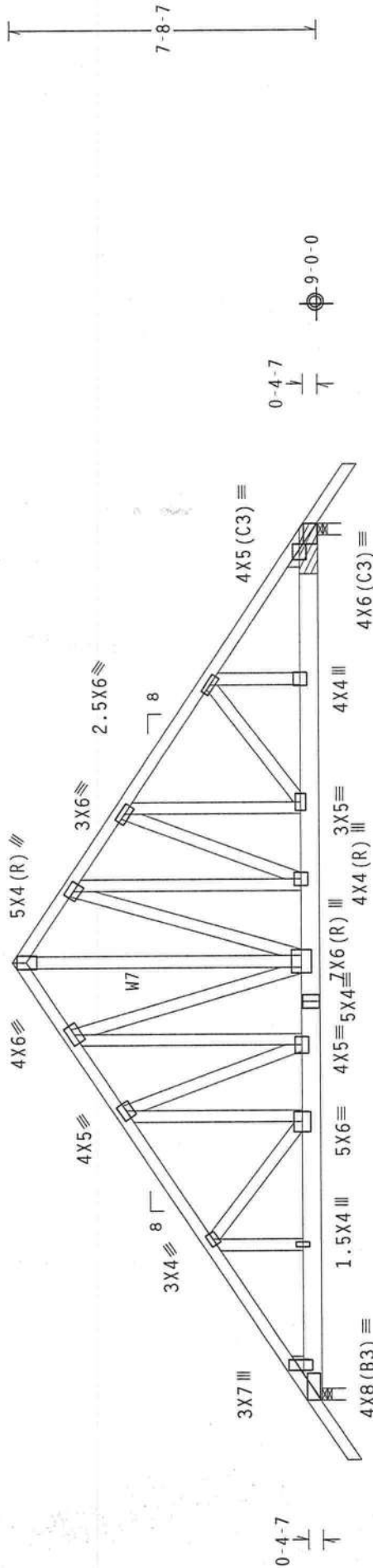
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 :W7 2x4 SP #2 Dense:
:Lt Wedge 2x4 SP #3::Rt Wedge 2x4 SP #3:

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -1.50 to 60 PLF at 23.50
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 22.00
BC - From 4 PLF at 22.00 to 4 PLF at 23.50
BC - 3301 LB Conc. Load at 7.06
BC - 1280 LB Conc. Load at 9.06, 11.06, 13.06, 15.06, 17.06
19.06, 21.06

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

10d COMMON NAILS --- (0.148"x3.0")



2 COMPLETE TRUSSES REQUIRED

NAILING SCHEDULE: (10d common nails)
TOP CHORD: 1 ROW @ 12" O.C.
BOT CHORD: 2 ROWS @ 6" O.C. (EACH ROW)
WEBS: 1 ROW @ 4" O.C.
USE EQUAL SPACING BETWEEN ROWS AND STAGGER NAILS IN EACH ROW TO AVOID SPLITTING.

Bearing blocks: Nail type: 10d common nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
2 21.708' 1 15" 12 Match Truss
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGLK0503 for additional information.

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

PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD)/FBC

7.0

Scale = .25" / Ft.

FL / - / 3 / - / - / R / -

TC LL	20.0 PSF	REF	R487 - -	72096
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUR487 05215054	
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	107860	REV
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SPA487_Z01	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ORFIO DR., SUITE 200, MADISON, WI 53719) AND METCAL AND METCAL 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, INCORPORATED, 1950 MARLEY DRIVE, HAINES CITY, FL 33844, IS THE DESIGNER OF RECORD FOR THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN ACCORDANCE WITH THE RESPONSIBILITIES OF THE DESIGNER, INCLUDING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W, H, S, K) ASTM A653 GRADE 40/60 (M, K, H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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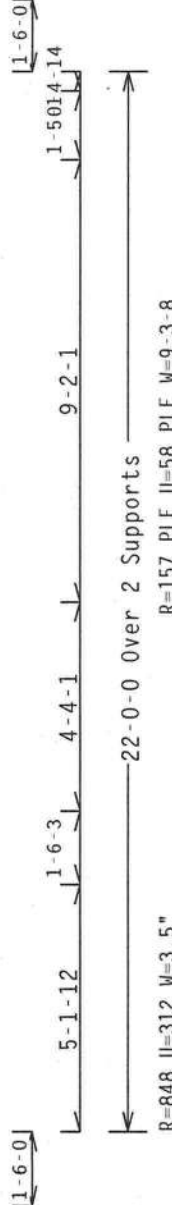
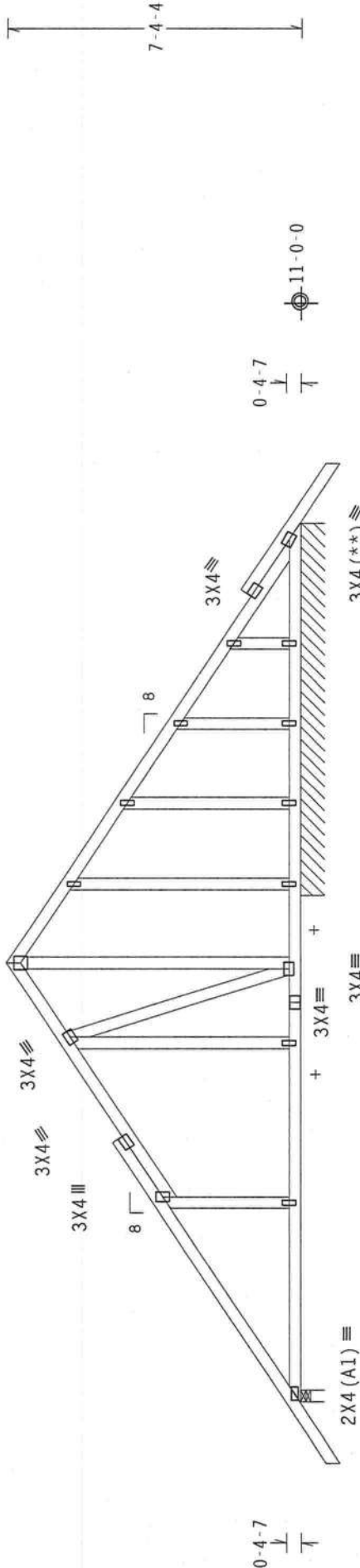
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

SPECIAL LOADS

----- (LUMBER DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25)
TC - From -60 PLF at -1.50 to 60 PLF at 6.50
TC - From 81 PLF at 6.50 to 81 PLF at 23.50
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 22.00
BC - From 4 PLF at 22.00 to 4 PLF at 23.50

+ MEMBER TO BE Laterally Braced For Horizontal Wind Loads.
BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF ROOF AND
CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, SUPPORTING SHEAR WALLS.
SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO GABLE END.
ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER. 4X4=



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

FL/-/3/-/-/R/-

Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R487 -- 72097
TC DL	10.0 PSF	DATE	08/03/05
BC DL	10.0 PSF	DRW	HCUSR487 05215055
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	148249
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SPA487_Z01

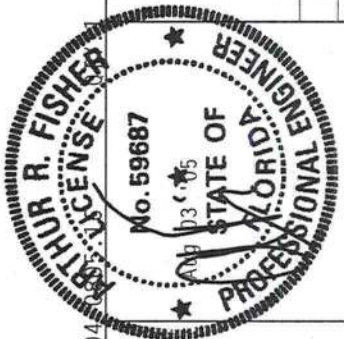
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. 503 WISCONSIN, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (4-N/S/K) ASTM A653 GRADE 40/60 (4-N/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 FABRICATOR. THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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

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Top	chord	2x4	SP	#2	Dense
Bot	chord	2x6	SP	#1	Dense
	webs	2x4	SP	#3	

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (10d_Common_(0.148"x3",_min.)_nails)

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

Top Chord: 1 Row @ 4.00" 0.00" 0.00"
Bot Chord: 1 Row @ 4.00" 0.00" 0.00"

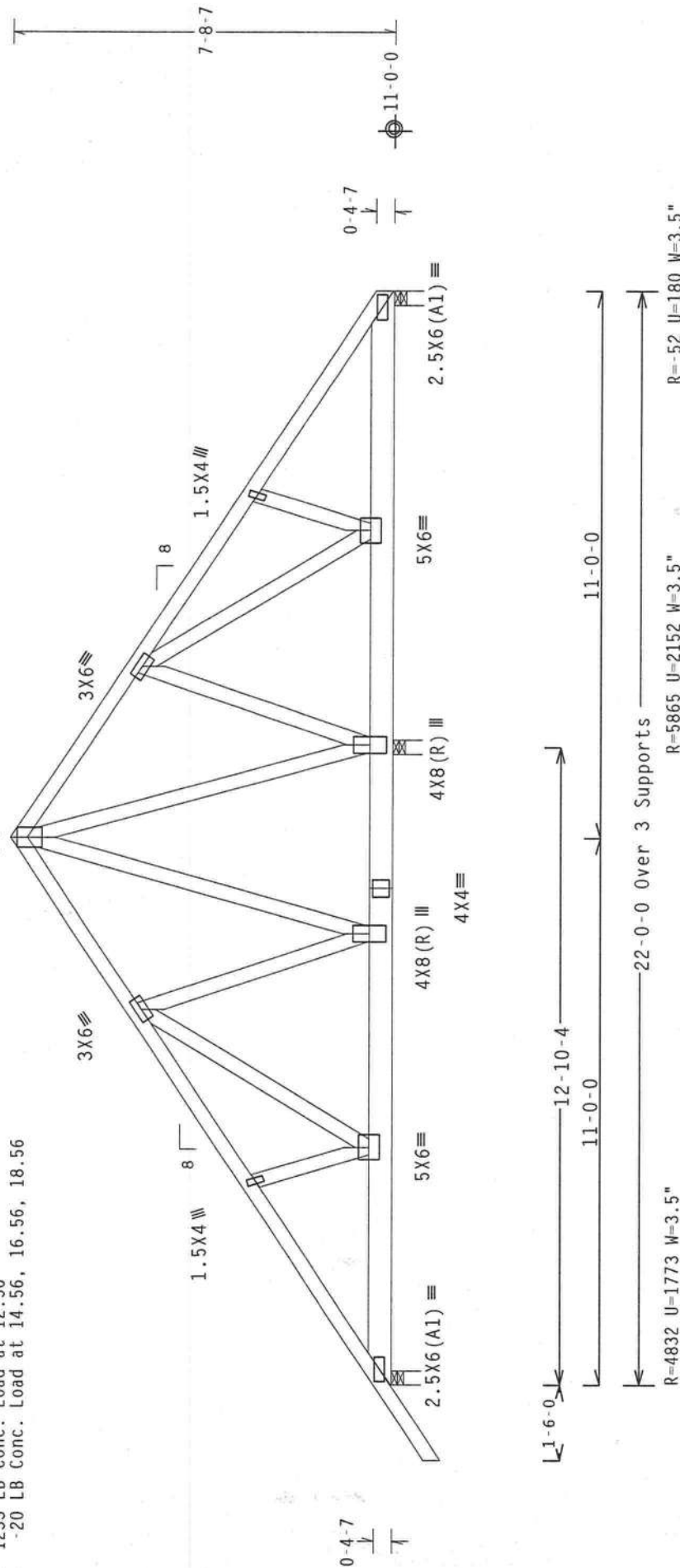
Webbs : 1 Row @ 4" 0-c.
DOL CHORD: 1 Row @ 4:00 0-c.

Use equal spacing between rows and stagger nails : 1 ROW @ 4 O.C.

Use equal spacing between rows in each row to avoid splitting

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD) / FRC

FI 1-131-1-1P1-

Scale = 3125"/ft

TC LL	20.0	PSF	REF	R487 -- 72098
TC DL	10.0	PSF	DATE	08/03/05
BC DL	10.0	PSF	DRW	HCUSR487 05215056
BC LL	0.0	PSF	HC - ENG	JB/AF
TOT.LD.	40.0	PSF	SEON -	150441
DUR.FAC.	1.25			
SPACING	24.0"		JREF -	1SPA487 Z01



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE DESIGNER TO BECS 1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 580 DUNSTON DRIVE, SUITE 200, MADISON, WI 53719) AND WTC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, SUITE 100, FORT MYERS, FL 33907) FOR PROPERLY APPLIED METHODS 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.

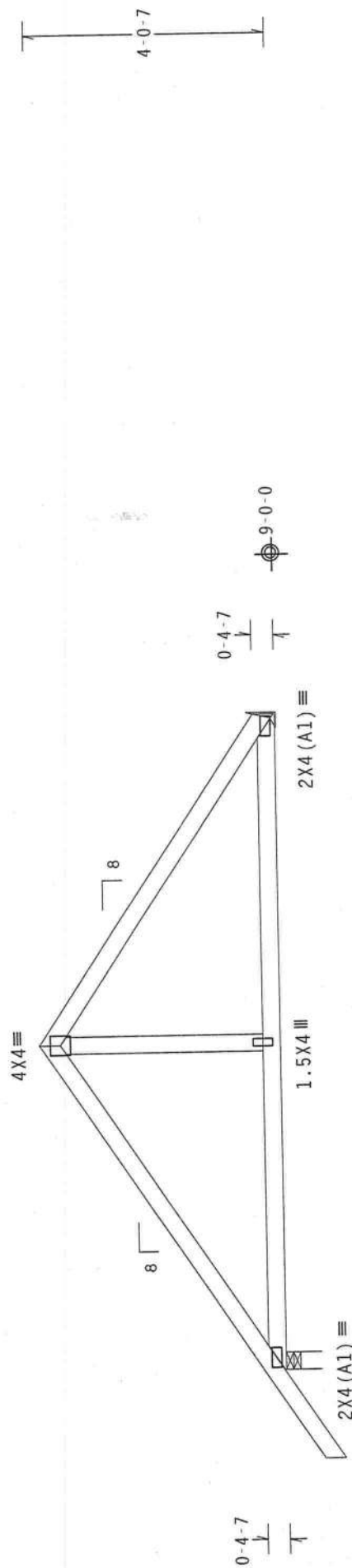
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SPECIFICATIONS OR TO THE MANUFACTURING, OR TO THE Erection, OR TO THE Fabrication, OR TO THE Design CONFORMS WITH THE CODE PROVISIONS VISIBLE ON THE TRUSS DESIGN SPEC. BY AREA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA/ALUMINUM VISION SYSTEM QUALITY STEEL. ALL QUALITY CONTROL TEST RESULTS WILL BE AVAILABLE UPON REQUEST. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS FOR 2. 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 ANEX A OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUFFICIENCY OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

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



R=429 U=184 H=Simpson LU24
w/ (2) 10d, 0.148"x1 5/8" nails in Truss
w/ (4) 10d Common 1 1/4" x 5/8" nails in Girder
Girder is (1) 2" x 8" S.D.

Design Crit: TPI-1995(STD)/FBC

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487 - -	72099
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUSR487	05215026
BC LL	0.0 PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0 PSF	SEQN-	148172	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SPA487_Z01	

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ANGIOLLO 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 TOP CHORD SETTING.

****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 OR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, OR INSTALLING BRACING OF TRUSSES. THE DESIGN CONFORMS WITH THE FOLLOWING DESIGN SPEC. BY AFPA) AND TPI-ALPINE CONNECTOR PLATES ARE MADE OF 2018-T9 ALUMINUM PER ASTM A653 GRADE 40/60 (W/ K/H/SI GALV.) STEEL. PLATES TO EACH FACE OF THOSE JOINTS OTHERWISE LOCATED ON THIS POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF THESE JOINTS ALLOWED BY (1) SHALL BE PER ANNEX 4 OF TPI-2002 SEC.3. A SEAL ON THIS JOINTING WILL INDICATE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT MANUFACTURING AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE CUSTOMER (SEE SPECURE PER ANNUITY/TPI 1 SEC. 2).



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1950 Marley Drive
Haines City, FL 33844

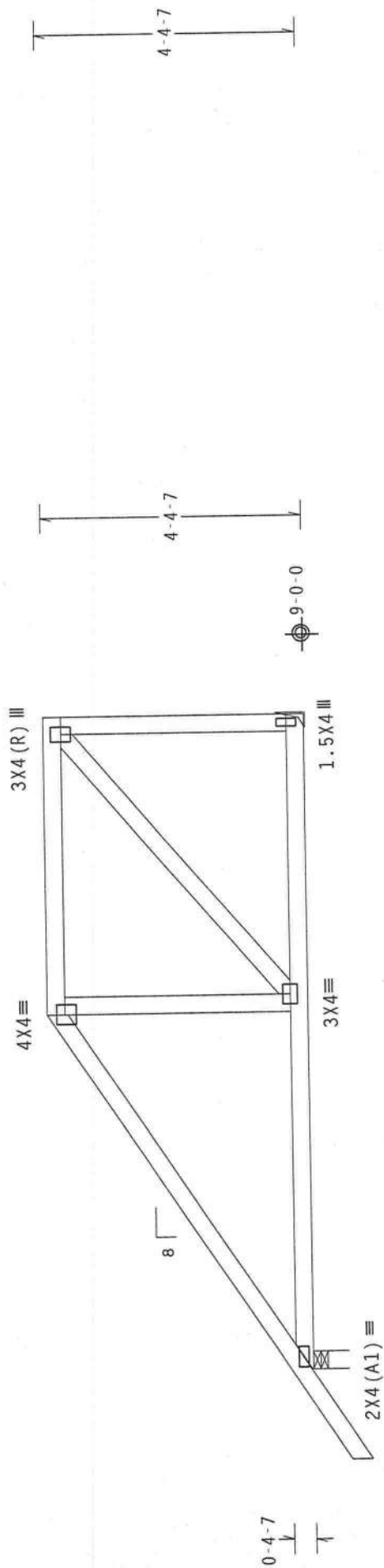
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

110 mph wind, 10.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.

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



11-0-0 Over 2 Supports
R=557 U-228 W=3.5"

R-419 U=220 H=Simpson LU24
w/ (2) 10d, 0.148" diameter nails in Truss
w/ (4) 10d Common nails in Girder
Girder is (1) 2x4

Design Crit: TPI-1995(STD)/FBC

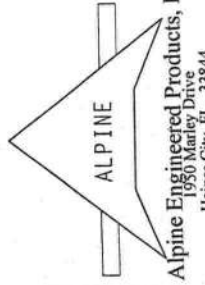
Scale = .375"/Ft.

PLT TYP. Wave TPI

TC LL	20.0 PSF	REF	R487 --	72100
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUSR487 05215027	
BC LL	0.0 PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0 PSF	SEQN-	148178	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SPA487_Z01	



ALPINE ENGINEERED PRODUCTS, INC.
1950 Marley Drive
Haines City, FL 33844
The Suitability and Use of this Component for any Building is the Responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.



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

110 mph wind, 10.53 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

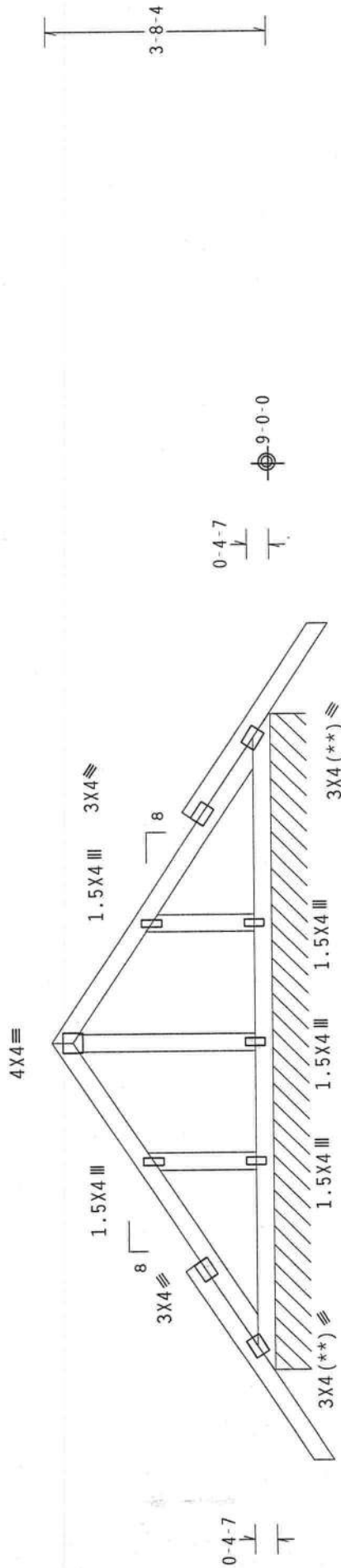
See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

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

SPECIAL LOADS

SPECIAL LOADS		DUR. FAC.=1.25 / PLATE DUR. FAC.=1.25	
	(LUMBER		
TC - From	81 PLF at -1.50 to	81 PLF at 12.50	
BC - From	4 PLF at -1.50 to	4 PLF at 0.00	
BC - From	20 PLF at 0.00 to	20 PLF at 11.00	
BC - From	4 PLF at 11.00 to	4 PLF at 12.50	

(**) Plate relocated as shown.



←←←←←11-0-0 Over Continuous Support

R=124 PLF U=58 PLF W=11-0-0

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7. (

Scale = .375"/Ft.

TC LL	20.0 PSF	REF R487 -- 72101
TC DL	10.0 PSF	DATE 08/03/05
BC DL	10.0 PSF	DRW HCUSR487 05215057
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN - 148185
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SPA487_Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BEST 1 (PROTECTIVE HANDLING AND SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 W. WISCONSIN AVE., MILWAUKEE, WIS. 53219, AND MICA (WOOD TRUSS FUNCTIONS OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO TRUSSING THESE COUNCILS. 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 DEVELOPMENT OF THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH ALL PROVISIONS OF THIS DESIGN, INCLUDING SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN OR CONSTRUCTION OF ANY COMPONENTS OF THIS TRUSS SYSTEM, HANDLING, SHIPMENT AND TREATMENT OF TRUSSES, OR COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TP1-2002 SECTION 6.01, SHALL BE THE RESPONSIBILITY OF THE USER. PLATES TO EACH FACE OF TRUSS AND /OR UNDER (WHICHEVER LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES TO TOP FACE ARE MADE OF 2018/T168 (W/ H/2X1/8) ASTM A563 GRADE 40 /60 (W/ H/3-X) GALV. STEEL, APPLY AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 4 OF TP1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNED PER ANNEX/TP1 1 SEC. 2.

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(5-315-STEPHEN CRAWFORD/LOT 25 COBBLESTONE - H7F)

Top chord 2x6 SP #1 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W2, W8 2x4 SP #2 Dense:

End verticals not exposed to wind pressure.

Girder supports 7-0-0 span to TC/BC split one face and 2-0-0 span to TC/BC split opposite face.

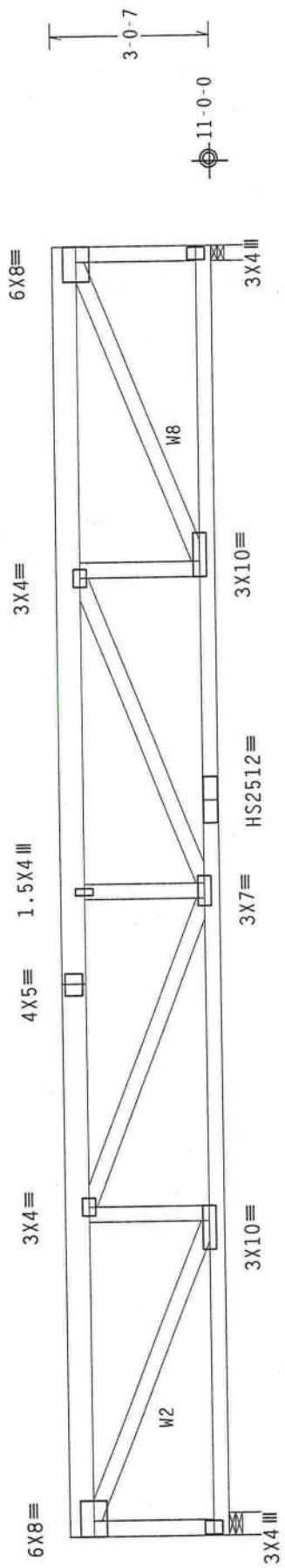
The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Max JT VERT DEFL: LL: 0.20" DL: 0.20" recommended camber 3/8"

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

Truss must be installed as shown with top chord up.



R-2205 U=759 W=4.95" 24'-6-0 Over 2 Supports R-2205 U=759 W=3.5"

PLT TYP. 20 Gauge HS, Wave TPI

Design Crit: TPI-1995(STD)/FBC

Scale = .3125" / Ft.

REF R487 -- 72102

DATE 08/03/05

DRW HCUSR487 05215058

HC-ENG JB/AF

SEQN- 148273

JREF- 1SPA487_Z01

FL / - / 3 / - / - / R / -

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

ARTHUR R. FISHER

PROFESSIONAL ENGINEER

FLORIDA

NO. 59687

EXPIRATION DATE 08/03/05

ALPINE

Alpine Engineered Products, Inc.

1950 Marley Drive

Haines City, FL 33844

Professional Engineer License # 567

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.

1950 MARLEY DRIVE

HAINES CITY, FL 33844

PROFESSIONAL ENGINEER LICENSE # 567

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ALPINE ENGINEERED PRODUCTS, INC.

1950 MARLEY DRIVE

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PROFESSIONAL ENGINEER LICENSE # 567

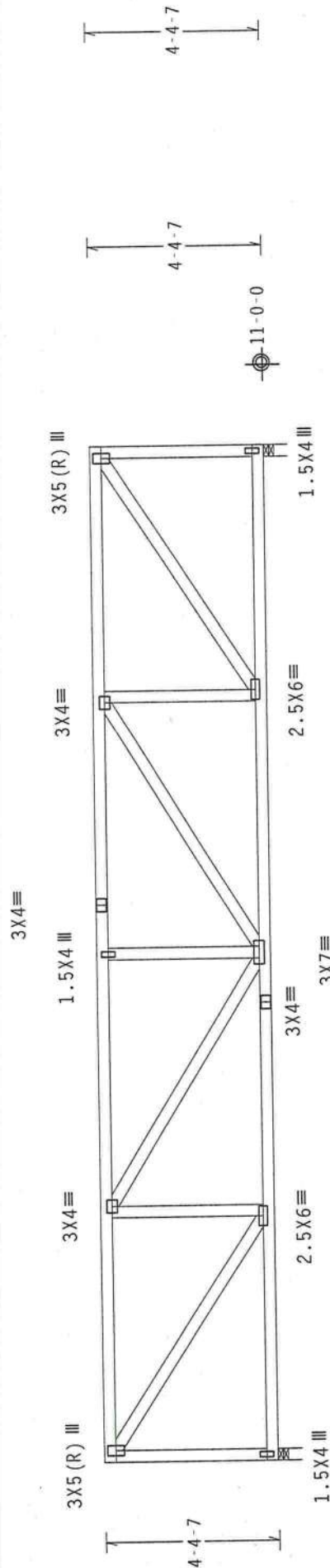
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

Truss must be installed as shown with top chord up.

110 mph wind, 15.37 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



25-6-0 Over 2 Supports
R=1020 U-349 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

FL/-/3/-/-/R/-

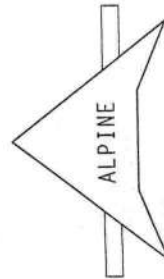
Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R487--	72103
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUSR487	05215028
BC LL	0.0 PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0 PSF	SEQN-	148284	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SPA487_Z01	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI PLATING INSTITUTE, 593 O'DONOHUE DR., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS MANUFACTURING ASSOCIATION) 6300 ENTERPRISE LN, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMANCE OF 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 ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AREA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (4-H/5/8) ASH A653 GRADE 40/60 (W. K/H-S) GALT. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3 FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

Bot chord 2x4 SP #2 Dense

Webbs 2x4 SP #3

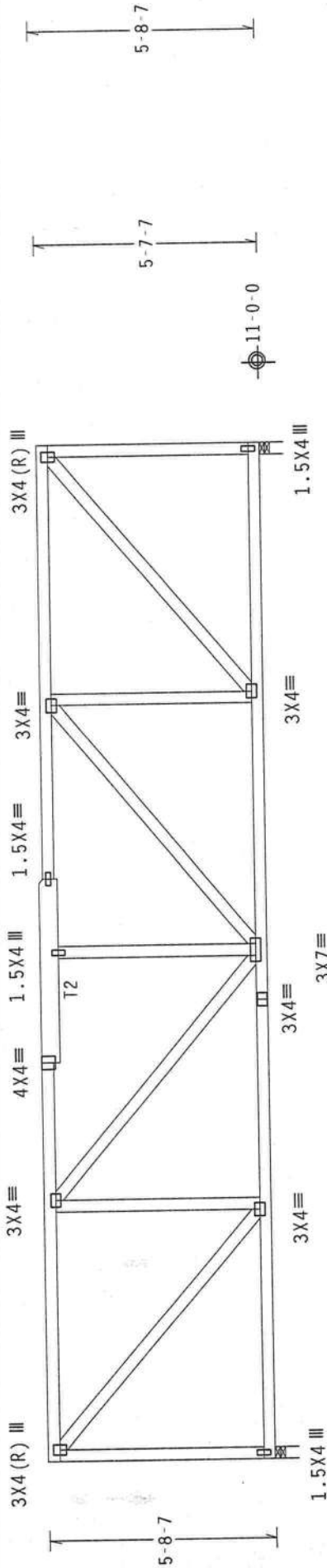
End verticals not exposed to wind pressure.

provide for complete drainage of roof.

110 mph wind, 16.66 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

Truss must be installed as shown with top chord up.



25-6-0 Over 2 Supports

R=1020 U=364 W=3.5"

R=1020 U=364 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

Scale = .25"/Ft.

TC LL	20.0 PSF	FL/-/3/-/-/R/-	REF R487 -- 72104
TC DL	10.0 PSF		DATE 08/03/05
BC DL	10.0 PSF		DRW HCUSR487 05215059
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	40.0 PSF		SEQN- 148292
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SPA487_Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION) FOR MORE INFORMATION. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF ADS (NATIONAL DESIGN SPEC, BY AIA/AS) AND TPI. EL APPLICABLE CONNECTOR PLATES ARE MADE OF 20/18/166A (4-H/5/7K) ASTM A653 GRADE 40/60 (M, K/H/S) GALV. DRAWINGS 160A-2, PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, SEC. 2. A SEAL OR THIS' ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

****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 ADS (NATIONAL DESIGN SPEC, BY AIA/AS) AND TPI. EL APPLICABLE CONNECTOR PLATES ARE MADE OF 20/18/166A (4-H/5/7K) ASTM A653 GRADE 40/60 (M, K/H/S) GALV. DRAWINGS 160A-2, PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, SEC. 2. A SEAL OR THIS' ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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Haines City, FL 33844
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2 COMPLETE TRUSSES REQUIRED

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS
Webs 2x4 SP #3 :W2, W4, W7, W12 2x4 SP #2 Dense:
:W14 2x6 SP #2:

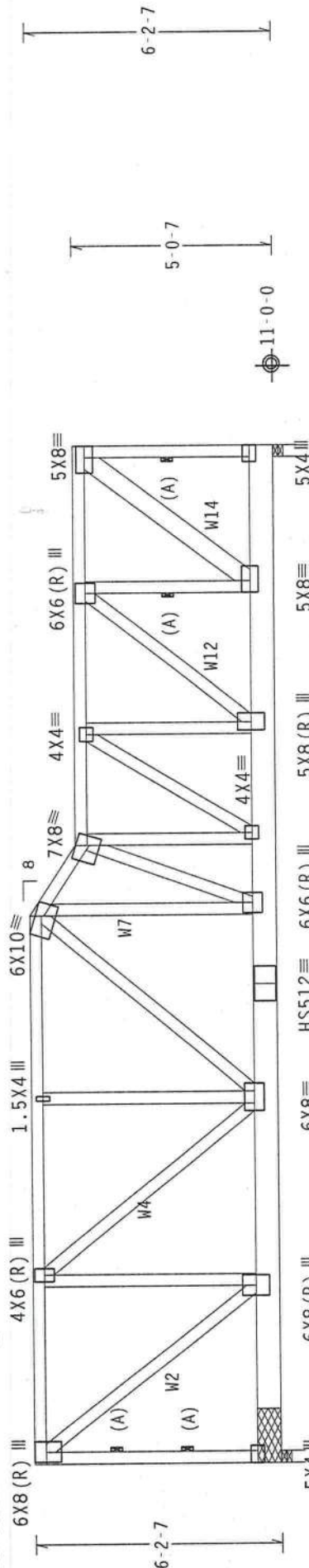
SPECIAL LOADS

SPECIAL LOADS		DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25)	
----- (LUMBER		60 PLF at 0.00 to	60 PLF at 25.50
TC - From	20 PLF at 0.00 to	2.44	2.44
BC - From	1265 LB Conc. Load at	4.44,	6.44,
BC - From	1280 LB Conc. Load at	4.44,	8.44,
BC - From	1280 LB Conc. Load at	4.44,	10.44,
BC - From	1280 LB Conc. Load at	4.44,	12.44,
BC - From	1280 LB Conc. Load at	4.44,	14.44,
BC - From	1280 LB Conc. Load at	4.44,	16.44,
BC - From	1280 LB Conc. Load at	4.44,	18.44,
BC - From	1280 LB Conc. Load at	4.44,	20.44,
BC - From	1280 LB Conc. Load at	4.44,	22.44,
BC - From	1280 LB Conc. Load at	4.44,	24.44,

110 mph wind, 16.62 ft mean hgt., ASCE 7-98, CLOSED bldg., Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

(Δ) Continuous lateral bracing equally spaced on member.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



13-9-0
 1-9-0
 10-0-0
 25-6-0 Over 2 Supports
 R=7896 U=4088 W=3.5"
 I=3586 W=3.5"

PLT TYP. 20 Gauge HS, Wave TPI

Design Crit: TPI-1995 (STD)/FBC

7

FL/-/3/-/-/R/-

Scale = .25"/Ft.

TC LL	20.0 PSF	REF - R487 - - 72105
TC DL	10.0 PSF	DATE 08/03/05
BC DL	10.0 PSF	DRW HCUSR487 05215060
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN - 107897 REV
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1SPA487_Z01

[illegible]

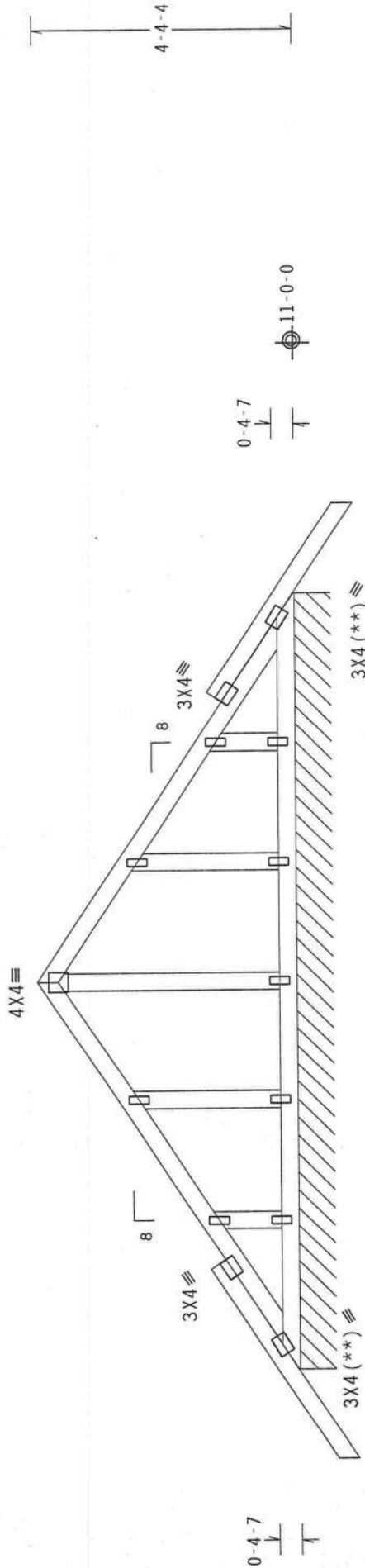
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

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

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 81 PLF at 1.50 to 81 PLF at 14.50
BC - From 4 PLF at 1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 13.00
BC - From 4 PLF at 13.00 to 4 PLF at 14.50

(**) Plate relocated as shown.



13-0-0 Over Continuous Support

R=121 PLF U=56 PLF W=13-0-0

Note: All plates are 1.5X4 except as shown.

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

FL/-/3/-/R/-

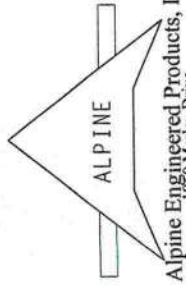
Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487 - - 72106
TC DL	10.0 PSF	DATE	08/03/05
BC DL	10.0 PSF	DRW	HCUSR487 05215061
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	148226
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1SPA487_Z01



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES 1 (WOOD JOINTS AND CONNECTIONS) AND RES 2 (WOOD TRUSS SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 MADISON, MI 48130) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

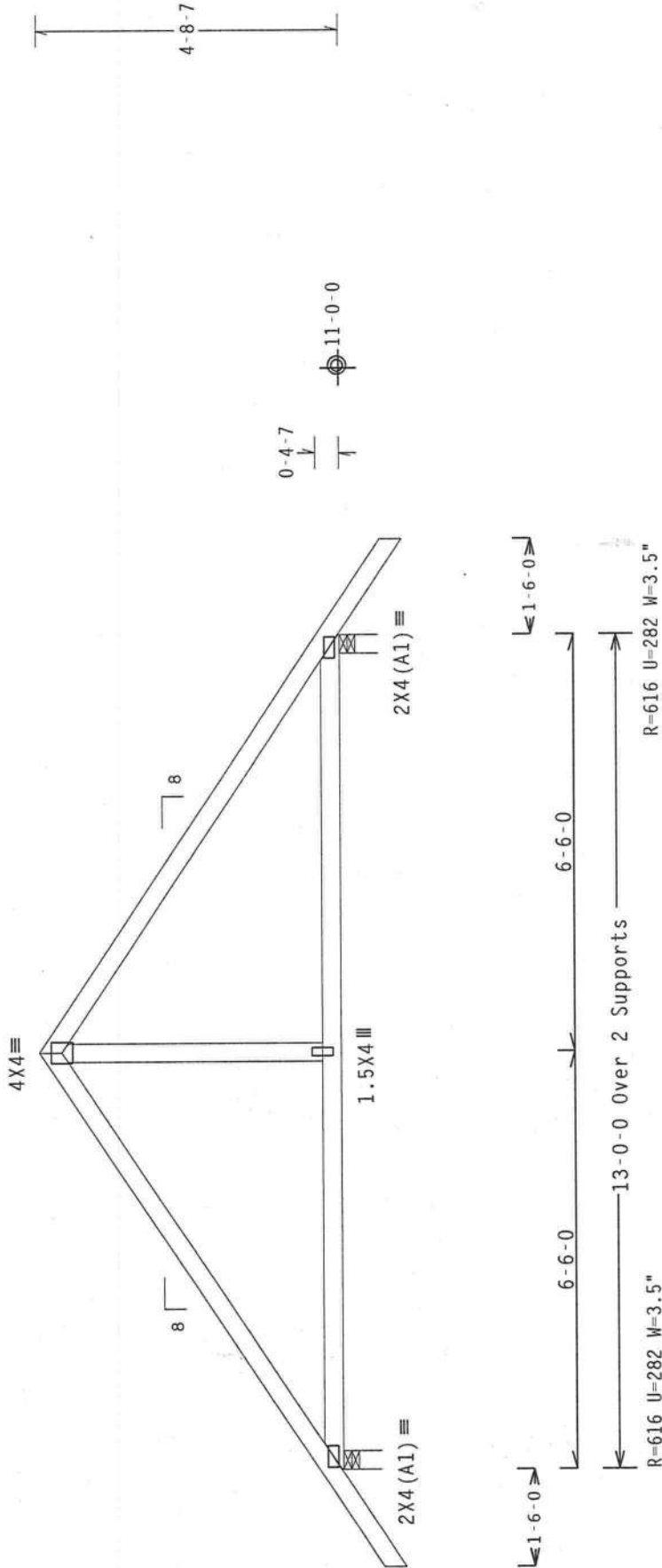
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (H/M/S/A) ASTM A653 GRADE 40/80 (H, K/P/L/S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON TPI-2002 SEC. 3, A SEAL ON THIS PLATE INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

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

110 mph wind, 13.04 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

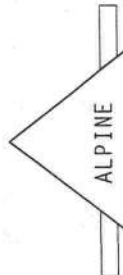
FL/-3/-/-R/-

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487 - -	72107
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUSP487 05215029	
BC LL	0.0 PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0 PSF	SEQN	148230	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SPA487_Z01	

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 O'CONNOR DR., SUITE 200, MADISON, WI 53719) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPECIFICATION FOR STEEL CONSTRUCTION), AISC 360-05, PART 10, SECTION 10.2.1. UNLESS OTHERWISE INDICATED ON THIS DESIGN, APPLY CONNECTION PLATES ARE REQUIRED PER AISC 360-05, PART 10, SECTION 10.2.1. UNLESS OTHERWISE INDICATED, APPLY AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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1950 Marley Drive
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FL Certificate of Authorization # 567



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

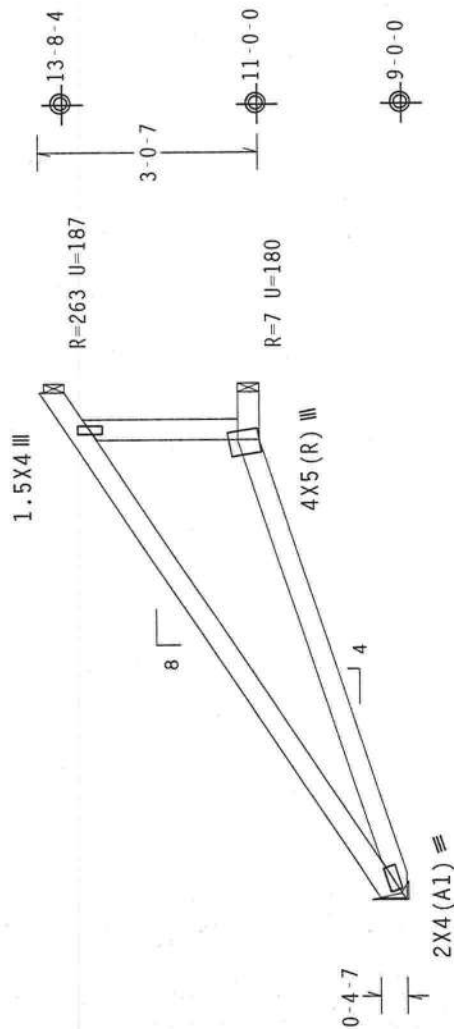
1110 mph wind, 11.70 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

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

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

Shim all supports to solid bearing.



7-0-0 Over 3 Supports

R=290 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PIT TYP Wave TPI

Design Crit: TPI-1995(STD)/FBC

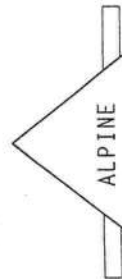
7.

FL/-/3/-/-/R/-

Scale = .375"/Ft.

[illegible]

* * * INSTRUCTIONS ** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES IN CONFORMANCE WITH TPI; OR PROVIDING PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/CES) AND AIA/CES COMMENTS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/CES) AND AIA/CES COMMENTS TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI1-2009 SEC-3. A SEAL ON THE FABRICATING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS CONTENT OF THIS DESIGN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE TRUSS CONTENT OF THIS DESIGN SHALL BE THE BASIS OF THIS CONTRACT FOR ANY BUILDING. AS THE RESPONSIBILITY OF THE CONTRACTOR TO THE TRUSS, PER TPI1-2009 SEC-2.



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1950 Marley Drive
Haines City, FL 33844

Haines City, FL 33844
 FL Certificate of Authorization # 567



TC LL	20.0	PSF	REF	R487 --	72108
TC DL	10.0	PSF	DATE	08/03/05	
BC DL	10.0	PSF	DRW	HCUSR487	05215062
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	147597	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1SPA487	Z01

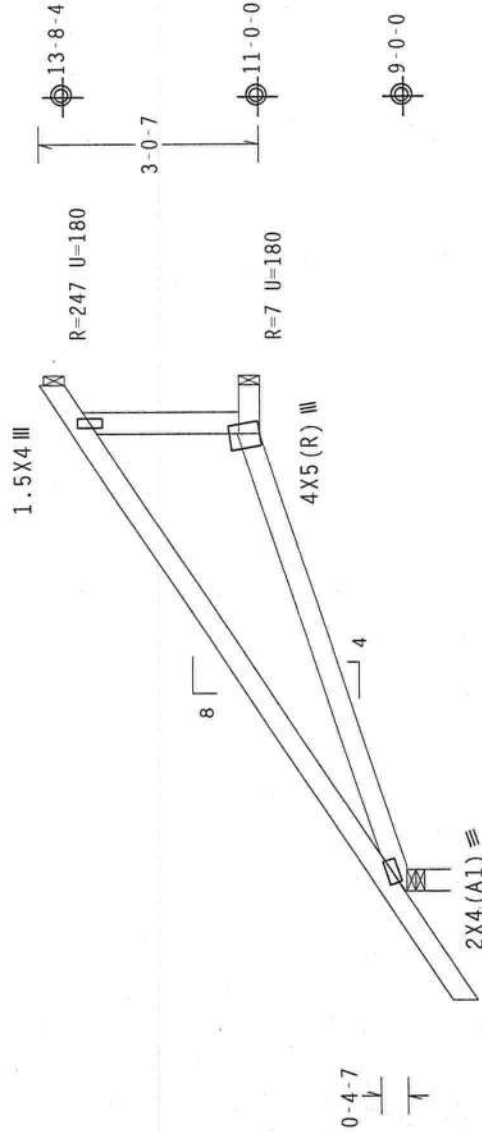
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

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

110 mph wind, 11.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind
BC DL=2.2 psf.

Shim all supports to solid bearing.



1-6-0

6-4-0
7-0-0 Over 3 Supports
R-396 U=180 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995 (SID)/FBC

7.04

FL/-/3/-/-/R/-

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487 --	72109
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUSR487	05215063
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	147636	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SPA487_Z01	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 D'ONOFRIO DR., SUITE 200, MADISON, MI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, 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**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THIS TRUSS. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

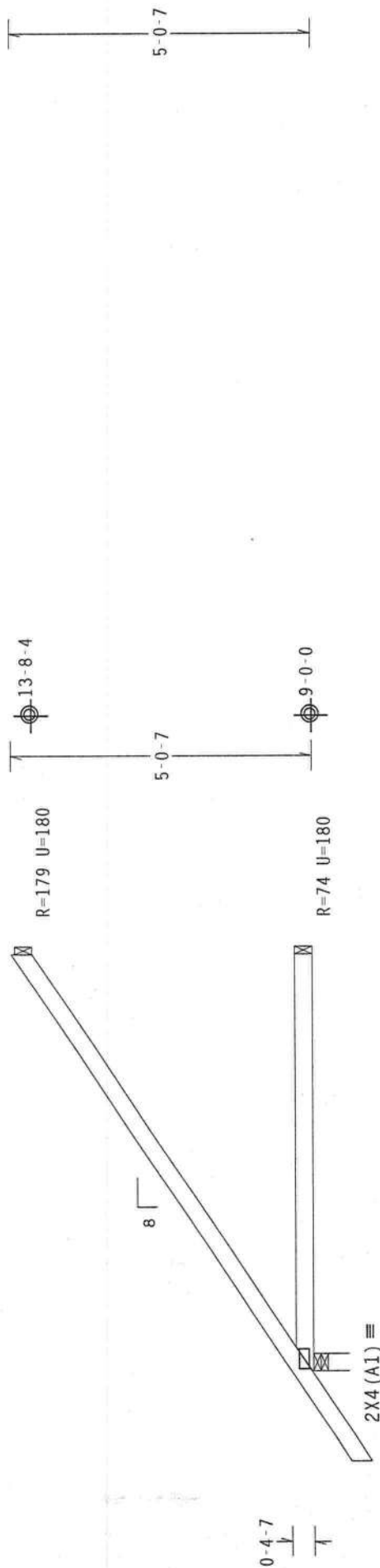
ALPINE ENGINEERED PRODUCTS, INC.
1930 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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

110 mph wind, 11.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Deflection meets L/360 and L/240 loads.

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



L-1-6-07

7'-0" Over 3 Supports
R=403 U=180 W=3.5"

PLT TYP.: Wave TPI

Design Crit: TPI-1995(STD)/FBC

1.04.05.18 27 FL/-/3/-/-/R/-

Scale = .375" / Ft.

TC LL	20.0 PSF	REF	R487--	72110
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUSR487	05215064
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	148218	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1SPA487_Z01	



WARNING: TRUSSES REQUIRE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. PLEASE CONSULT THE FOLLOWING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 583 RICHMOND AVE., SUITE 200, MADISON, WI 53719, AND WTA, 4000 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.

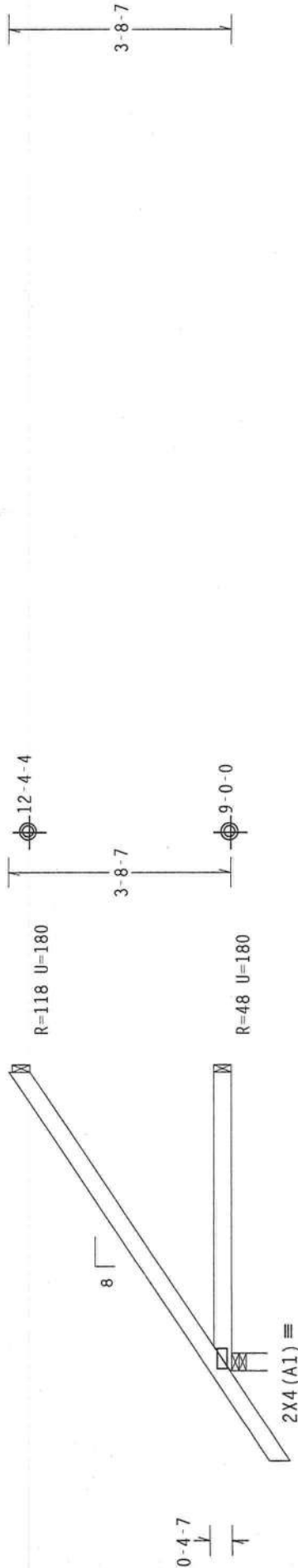
***IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN), SHIPPING, INSTALLING & BRACING OF TRUSSES. CONNECTOR PLATES ARE MADE OF 2010/16GA. (W/1/8"X5/8" ASTM A563 GRADE 40/60 (W, E/F/MS) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-72. PER INSPECTION OF PLATES FOLLOWED BY C113 SHALL BE PER ANNEX A3 OF TPI-1-2002 SECTION 3. A SEAL ON THIS

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

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

110 mph wind, 10.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP 8, wind TC DL=2.8 psf, wind
BC DL=2.2 psf.

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



1-6-0

5-0-0
1-4-0
5-0-0 Over 3 Supports
R=330 U=180 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

12 FL/-/3/-/R/-

Scale = .375" / 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-ONOFIO 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, ALL CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASIM A653 GRADE 40/60 (W. K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

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

REF	R487--	72111
DATE	08/03/05	
DRW	HCUSR487	05215065
HC-ENG	JB/AF	
SEQN	148137	
JREF	1SPA487_Z01	

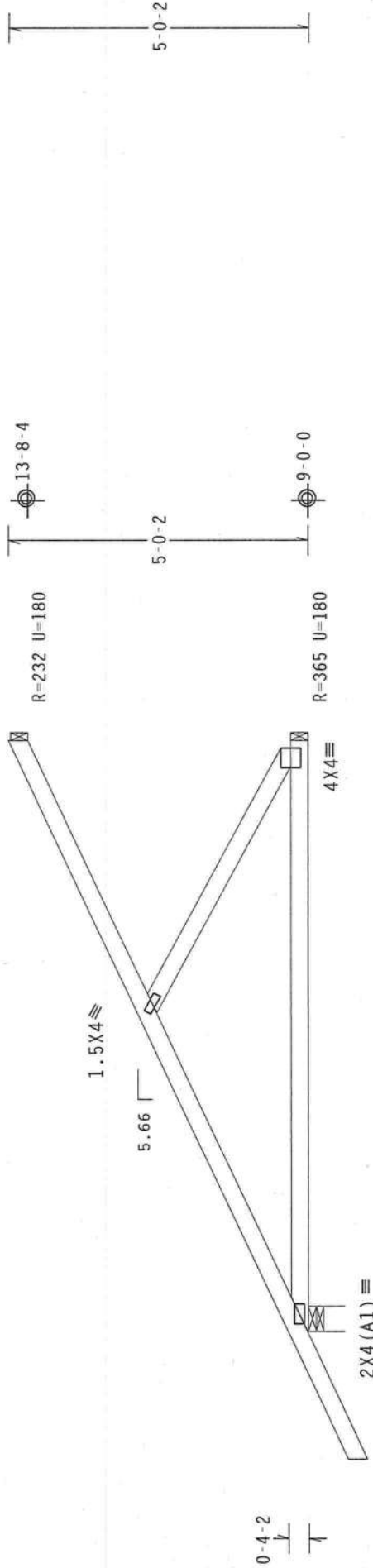
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, located
anywhere in roof, CAT II, Exp B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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



←2-1-7→

←9-10-13 Over 3 Supports→
R=453 U=228 W=4.95"

PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD) / FBC

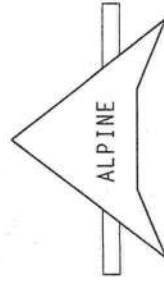
7.04

FL / - / 3 / - / - / R / -

Scale = .375" / 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, 563 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MTCA (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 OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF THE TRUSS. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
10500 United Blvd.
Haines City, FL 33844
FL Certificate of Authorization # 567



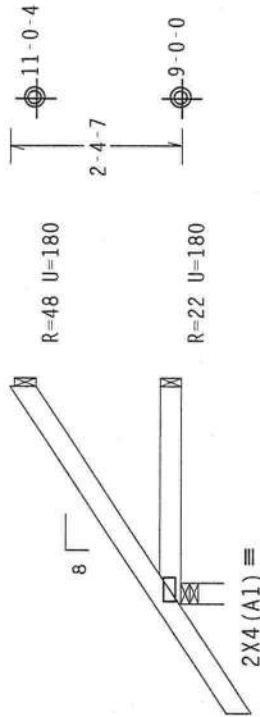
TC LL	20.0 PSF	REF	R487 - -	72112
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUSR487	05215066
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	-	119635
DUR.FAC.	1.25			
SPACING	24.0"	JREF	-	1SPA487_Z01

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

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

110 mph wind, 9.87 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



L=1-6-0

3-0-0 Over 3 Supports
R=266 U=180 W=3.5"

2-4-7

0-4-7

PLI TYP. Wave TPI

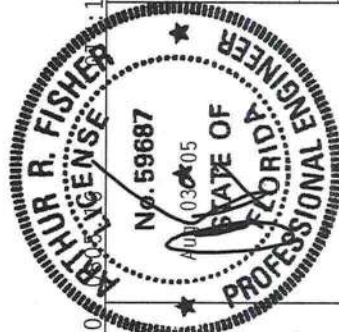
Design Crit: TPI-1995(STD)/FBC

7.0

12 FL/-/3/-/R/-

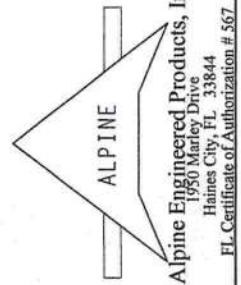
Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487 --	72114
TC DL	10.0 PSF	DATE	08/03/05	
BC DL	10.0 PSF	DRW	HCUSR487	05215068
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	147640	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SPA487_Z01	



****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 MADISON, AL 35219) FOR SAFETY PRACTICES. PRIOR TO RELOCATING THESE TRUSSES, THE FOLLOWING MUST BE DONE: TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1666 (N.H/S/K) ASTM A653 GRADE 40/60 (W, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

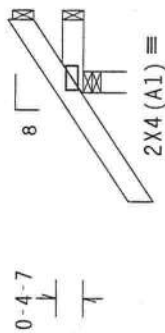
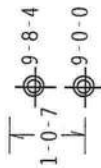
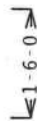


Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense

110 mph wind, 9.20 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2psf.

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

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


$$R = -108 \quad U = 180$$
 $R = -9 \quad U = 180$ 

1-0-0 over 1-0-0 Supports

R=294 I=180 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.045

12 FL 1-131-1-1R1-

Scale = .375"/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 (TROSS PLATE INSTITUTE, 583 D'AMORIO DR., SUITE 200, MADISON, WI 53719) AND MCA (WOOD PRES. 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 PROPERLY ATTACHED TOP CHORD SETTING.

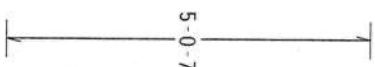
****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR... ALPINE ENGINEERED PRODUCTS, SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE DESIGN IN CONFORMANCE WITH THE INSTRUCTIONS, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATES ARE MADE OF 2018-T3 ALUMINUM DESIGN SPEC. (BY AFNPA) AND TPI. ALPINE ENGINEERED PRODUCTS PROVIDES AN ANTI-CORROSION PROTECTION FOR TRUSSES AND CONNECTOR PLATES. APPLY PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE SPECIFIED, THE MINIMUM PERMISSIBLE DIMENSIONS 160X-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK 4 OF TII-2022 SPECIFICATIONS FOR TRUSSES AND CONNECTOR PLATES. (2) SHALL BE PER ANNEK 4 OF TII-2022 SPECIFICATIONS FOR TRUSSES AND CONNECTOR PLATES. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSSES COMPOSED OF THE DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANTI/TP1 1 SEC. 2.



TC LL	20.0 PSF	REF	R487 - - 72115
TC DL	10.0 PSF	DATE	08/03/05
BC DL	10.0 PSF	DRW	HCU8R487 05215069
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	147644
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SPA487 Z01

110 mph wind, 11.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



5-1-7 1-6-0 0-4-19
7-0-0 Over 3 Supports ———
R=403 U=180 W=3.5"

Scale = .375"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1050 Meadow Drive

1750 Mailey Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

IMPORTANT¹ FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ALPINE ENGINEERED

DESIGN CONFORMS WITH APPLICABLE

TRAIL. ALPINE

CONNECTOR PLATES ARE MADE OF 20/18/16GA (W, H, S, K) ASIM 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.

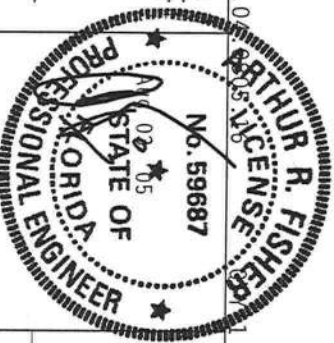
Y. STEEL. APPLY
ER DRAWINGS 160A-Z.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

A SEAL ON THIS TRUSS COMPONENT

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.

POSSIBILITY OF THE



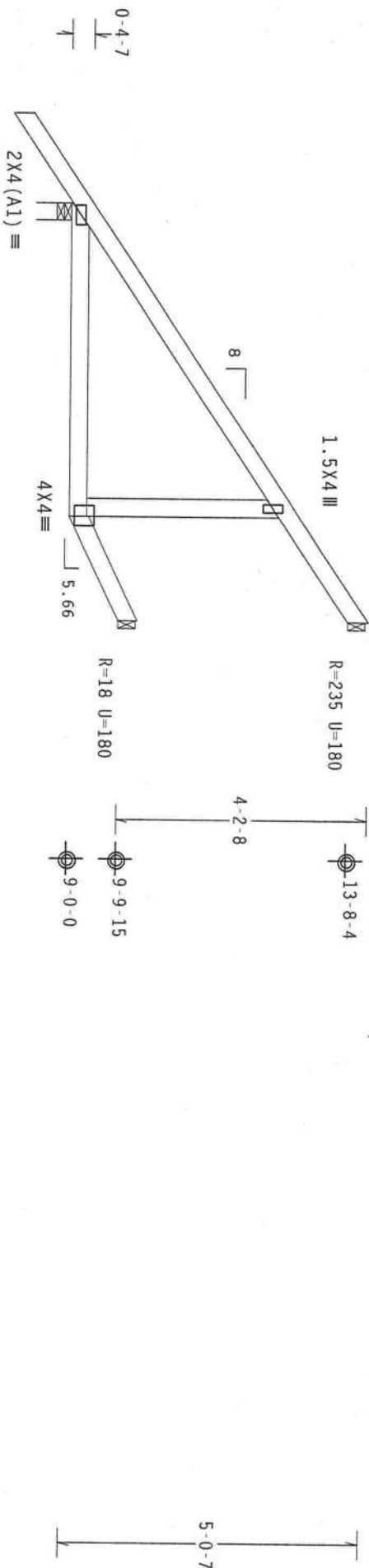
TC LL	20.0 PSF	REF R487 - 72116
TC DL	10.0 PSF	DATE 08/03/05
BC DL	10.0 PSF	DRW HCUSR487 05215030
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN - 119657
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1SPA87_201

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

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

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

110 mph wind, 11.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind
BC DL=2.2 psf.
Shim all supports to solid bearing.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING CONSTRUCTION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 DUNMORE DR., SUITE 200, MADISON, WI 53719) AND VITCORP (VITCORP, 1000 W. 10TH AVE., SUITE 100, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI:

OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AS) AND TPI.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (U, H/S/X) ASTM A653 GRADE 40/60 (H, K/H, S) GALV. STEEL. APPLY THE FOLLOWING FACTORS TO THE DESIGN OF THE TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.

ANY INSPECTION OF TRUSSES SHALL BE PERFORMED BY A QUALIFIED INSPECTOR. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN AND USE OF THIS COMPONENT FOR THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

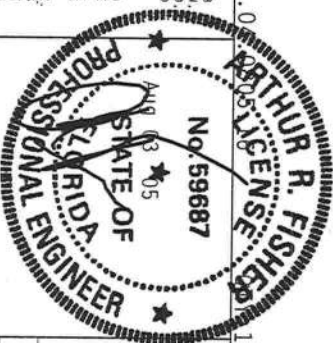
ALPINE

Alpine Engineered Products, Inc.

1950 Marley Drive

Haines City, FL 33844

FL Certificate of Authorization # 567



FL/-/3/-/R/-

Scale = .375"/ft.

TC LL 20.0 PSF REF R487-- 72117

TC DL 10.0 PSF DATE 08/03/05

BC DL 10.0 PSF DRW HCUSR487 05215031

BC LL 0.0 PSF HC-ENG JB/AF

TOT.LD. 40.0 PSF SEQN- 119664

DUR.FAC. 1.25

SPACING 24.0"

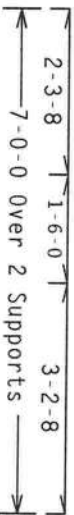
JREF - 1SPA487_201

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf

Right end vertical not exposed to wind pressure.

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

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



R=2102 0=981 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Gird
Girdler is (1)2x6 min. So, Pine

Design Crit: TPI-1995(STD)/FBC

70 APR 1965
LIBRARY
CENSUS
EP

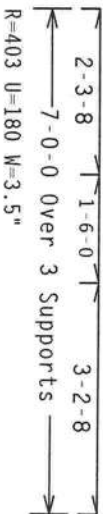
Scale = .375" / Ft.



Professional Engineer Seal for Arthur R. Fisher, State of Florida, License No. 59687, expires 03/05.

TC LL	20.0 PSF	REF R487-- 72118
TC DL	10.0 PSF	DATE 08/03/05
BC DL	10.0 PSF	DRW HCUSR487 05215070
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 149913
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1SPA487_Z01

110 mph wind, 11.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



Scale = .375" / Ft.

ORATING INDICATE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R487-- 72119
TC DL	10.0 PSF	DATE	08/03/05
BC DL	10.0 PSF	DRW	HCUSR487 05215071
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	149918
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SPA487_201

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

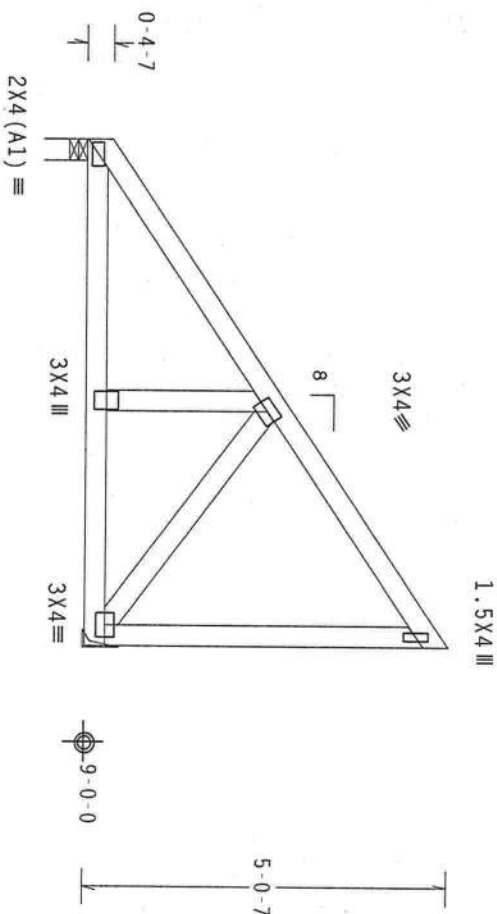
SPECIAL LOADS

-----	LUMBER	DUR. FAC. = 1.25	/	PLATE	DUR. FAC. = 1.25
TC -	From	60 PLF at 0.00	to	60 PLF at 7.00	
BC -	From	20 PLF at 0.00	to	20 PLF at 7.00	
BC -	429 LB Conc.	Load at 0.06,		2.06,	4.06
BC -	419 LB Conc.	Load at 6.06			

Right end vertical not exposed to wind pressure.

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

Right end vertical not exposed to wind pressure.



7-0-0 Over 2 Supports $R=1297$ $U=572$ $W=3.5"$ $R=967$ $U=4$

R=967 U-459 H-Simpson LUS26
W/ (4) 10d Common, 0.148"x3.0" nails in Truss
W/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2x6 min. So.Pine

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

ARTHUR R. FISHER
LICENSE

FL/-/3/-/-/R/-

Scale = .375" / Ft.

ALPINE

Alpine Engineered Products, Inc.

1930 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

* **WARNING** * THESE REQUIRE EXTREME CARE IN FACTORY, HANDLING, UNLOADING, INSTALLATION AND BRACING. REFER TO FIGS. 1-3 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TROSS PLATE INSTITUTE, 508 O'ROURKE DR., SUITE 200, MALDEN, WI 53751) AND WCA (WOOD TRUSS COMPANY OF AMERICA, 6200 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRECISE PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL JOINTS 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.

* **NOTES** * ACUTE ENGINEERED MEMBERS, IRC SCHED. 40

ALPINE ENGINEERED

TRUSS IN CONFORMANCE WITH TPI.

PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AFRPA) AND TPI

10/10/16GA (W/H/S/K) ASTM A653 GRADE 40/50 (N, K/H,S) GALV. STEEL. APPLY

UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

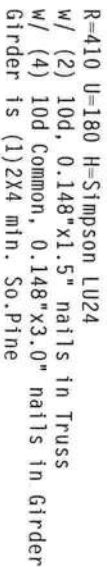
OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

TY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

1. 300. 2.

110 mph wind, 12.70 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



R=390 U=268 H=Stimpson LU26
w/ (4) 10d, 0.148"x1.5" na
w/ (6) 10d common, 0.148"x
Girder is (1)2X6 min. So.P

Design Crit: TPI-1995(STD)/FBC

7.6

3 El 1-121-1-1B1-

Scale = .375" / Ft



ALPINE

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

FL Certificate of Authorization # 567

ALPINE ENGINEERIN

No. 59687
90305
STATE OF

...

TC	LL
TC	DL
BC	DL

20.0
10.0
10.0

PSF	RI
PSF	DA
PSF	DF

EF	R48
ATE	0
RW	HCUSR4

87 052150

121
32

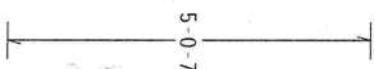
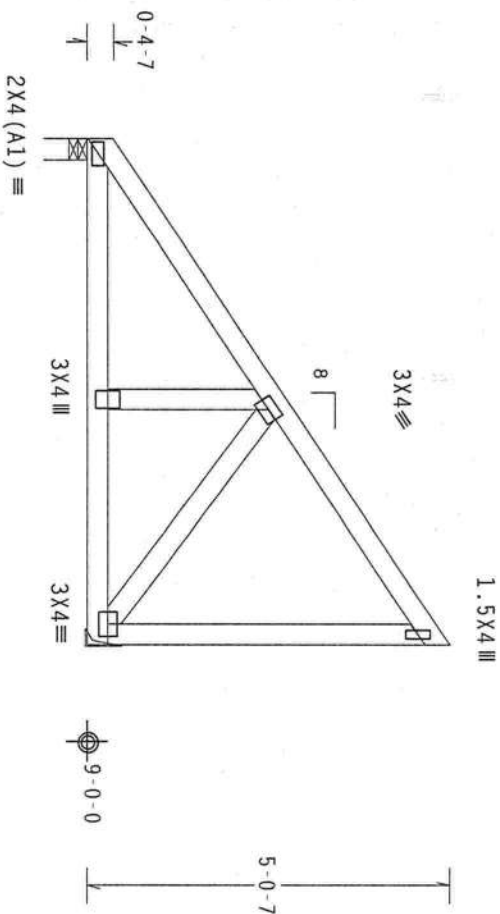
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

	(LUMBER DUR. FAC.=1.25 / PLATE DUR. FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 7.00	
BC - From 20 PLF at 0.00 to 20 PLF at 7.00	
BC = 410 LB Conc. Load at 1.06, 3.06, 5.06	

Right end vertical not exposed to wind pressure.

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



7-0-0 Over 2 Supports ———→
R=1015 U=294 W=3.5" R=776 U=22

R=776 U=236 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 16d, 0.162"x2.5" nails in Girder
Girder is (1)2x6 min. So, Pine

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

Scale = .375"/Ft.

WARNING: ALL JOBS REQUIRE COMPETENT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51-1-03 (BUILDING EXPERTISE SAFETY INFORMATION), HANDLED BY TPI (TRUSS PLATE INSTITUTE, 5835 W. OBERG RD., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PERTAIN TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANTS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.**

ALPINE

Alpine Engineered Products, Inc.
1050 Madison Drive

Haines City, FL 33844

FL Certificate of Authorization # 567

Nº. 59687

SECRET

FL/-/3/-/-/R/-/

Scale = .375"/Ft.

20.0
16.11

REF R487 -- 721

TC DL	10.0
-------	------

DATE 08/03/05

BC DL 10.0

DRW HCUSR487 0521507

BC II 0.0

HC-ENG JR/AE

TOT IN 40.0

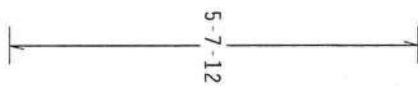
CEOM 140314

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	.	.

47047	10-11-1961
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DUR. FAL. 1.25

110 mph wind, 11.51 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



0-4-15

R=304 U=209 W=4.95"
(3.438" EFFECTIVE CONTACT)

Design Crit: TPI-1995 (STD) / FBC

FL/-/3/-/-/R/-

Scale = .375"/Ft.

No. 59687

ALPINE ENGINEERED

BRACING OF TRUSSES.

A SEAL ON THIS TRUSS COMPONENT

0
1
2
3
4
5
6
7
8
9

TC LL	20.0 PSF	REF R487-- 72123
TC DL	10.0 PSF	DATE 08/03/05
BC DL	10.0 PSF	DRW HCURS487 05215074
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 148330
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1SPA487_Z01

JREF - 1SPA487_Z01

(5-31b-S) LEPPEN, KRAMURU/LVISED CONNECTION

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

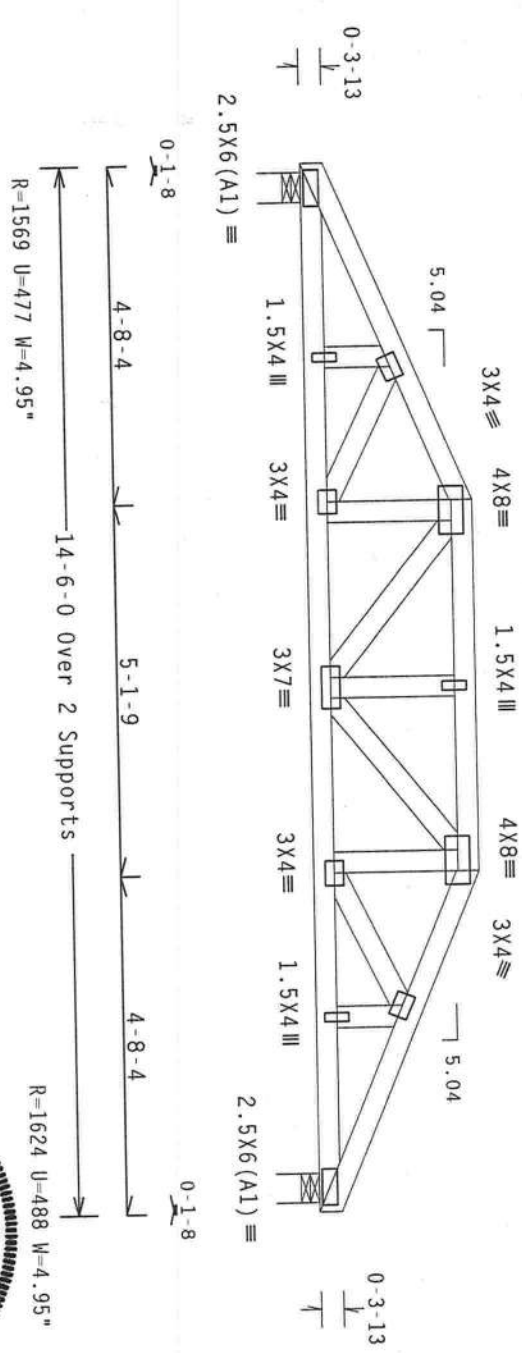
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

SPECIAL LOADS

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

TC - From 60 PLF at 0.00 to 60 PLF at 14.50
BC - From 20 PLF at 0.00 to 20 PLF at 14.50
BC - 290 LB Conc. Load at 1.44, 3.44, 5.44, 7.44, 9.44
11.44, 13.44

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

FL/-/3/-/-/R/-

Scale = .375"/ft.

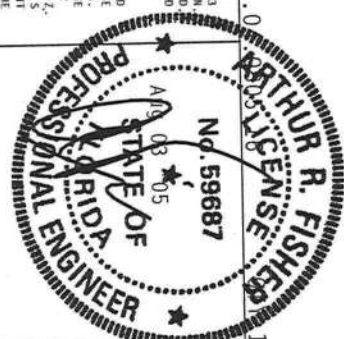
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31-1-03 (BUILDING COMPONENT SAFETY INFORMATION), TRUSS CONSTRUCTION, 6300 ENTERPRISE LN., DUNMORE, PA 15113, FOR SAFETY PRACTICES. THESE TRUSSES ARE DESIGNED TO BE USED IN CONJUNCTION WITH THE FOLLOWING: 1. 2x4 TOP CHORDS 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. ANY FAILURE TO BUILD THE TRUSS TO THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

ALPINE

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

FL Certificate of Authorization # 567

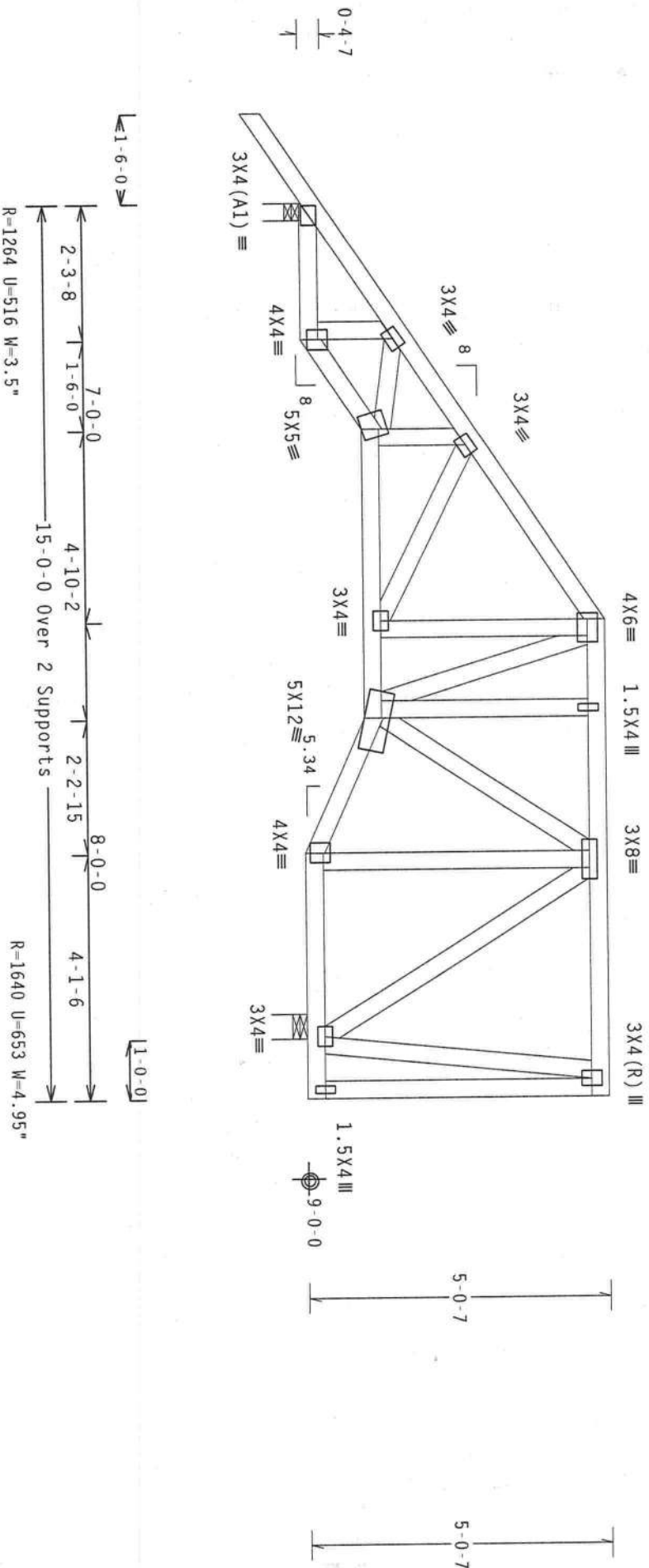


TC LL	20.0 PSF	REF	R487 -- 72124
TC DL	10.0 PSF	DATE	08/03/05
BC DL	10.0 PSF	DRW	HCSR487 05215075
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEQN-	148326
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1SPA487_201

SPECIAL LOADS
----- (LUMBER) DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25
TC - From 60 PLF at -1.50 to 60 PLF at 15.00

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

Right end vertical not exposed to wind pressure.



Design Crit: TPI-1995(STD)/FBC

7.0

FL/-/3/-/-/R/-

Scale = .375"/Ft.

Alpine Engineered Products, Inc.

Haines City, FL 33844
FL Certificate of Authorization # 567

PINE ENGINEERED

PINE ENGINEERED
TO BUILD THE
OF TRUSSES.

ALPINE
APPLY

STEEL: A572-50
DRAWINGS: 160A-Z

A SEAL ON THIS TRUSS COMPONENT

VI. CONCLUSIONS

ARTHUR R. FISHER
LICENSE
No. 59687

TC LL	20.0 PSF	REF R487 - - 72125
TC DL	10.0 PSF	DATE 08/03/05
BC DL	10.0 PSF	DRW HCUSR487 05215076
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON - 148253
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1SPA487_Z01

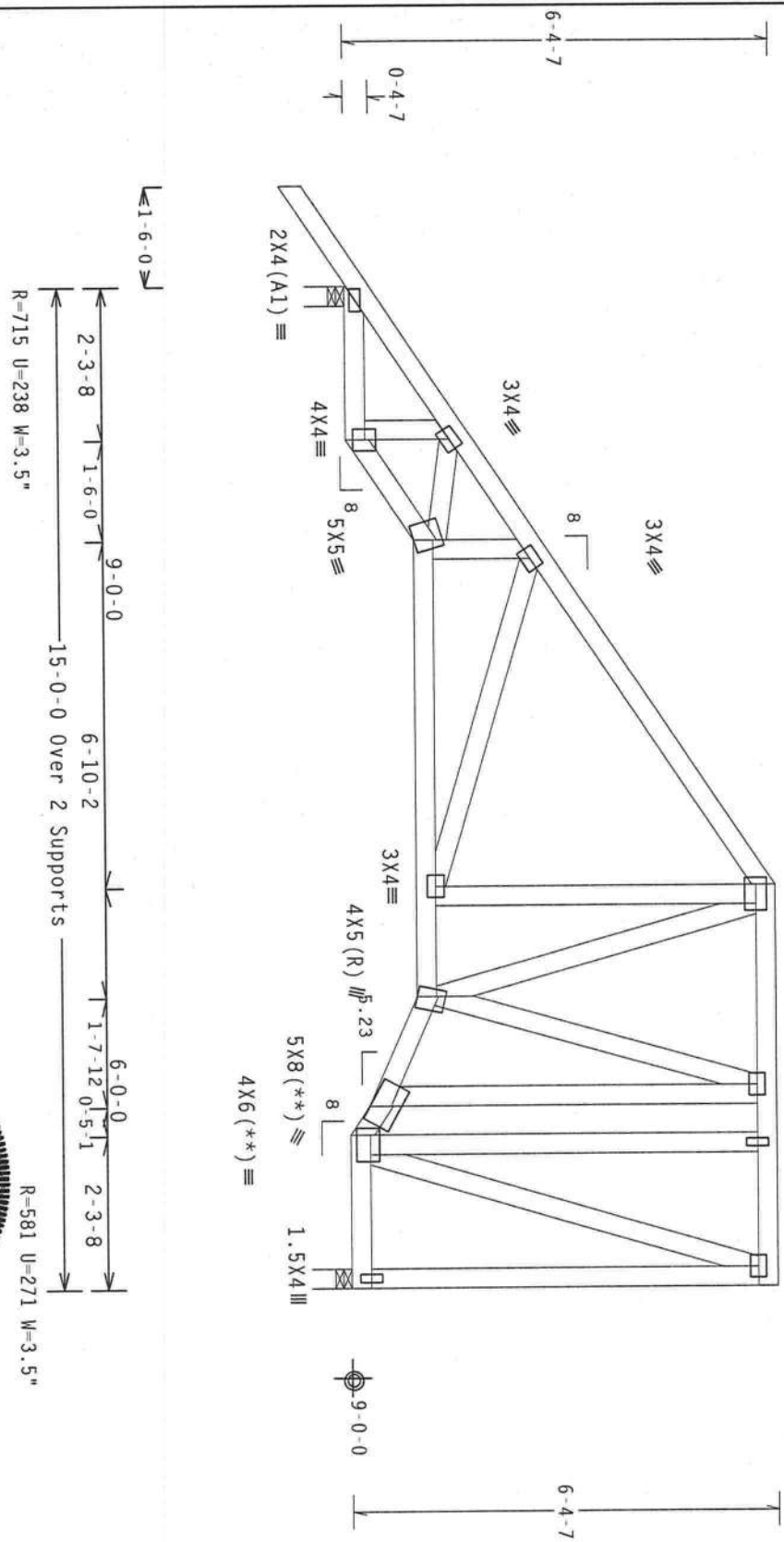
(b-31b-S) STEPHEN LKAWURU/LV1 23 VDDDELIVL 11/11

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

110 mph wind, 11.87 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.
(**) Plate relocated as shown.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

ALPINE

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

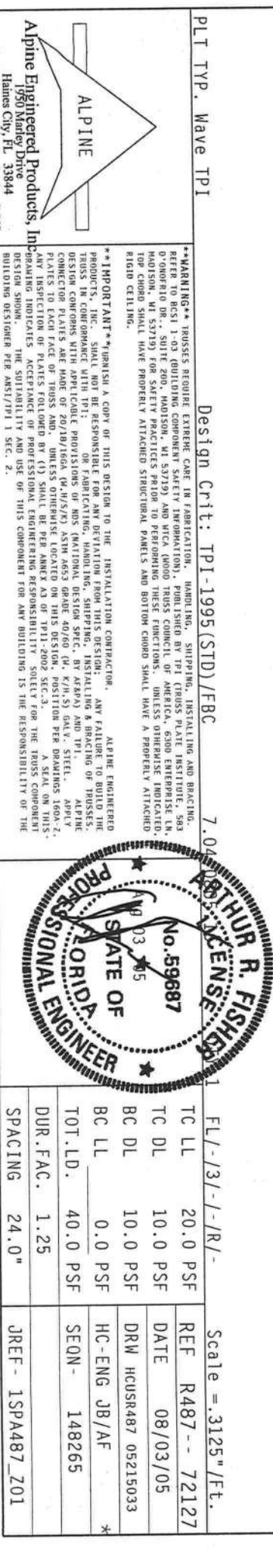
ALPINE

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN, FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. THE TRUSSES ARE TO BE USED IN ACCORDANCE WITH THE DESIGN CRITERIA AND SPECIFICATIONS OF THE NATIONAL DESIGN SPEC. FOR STEEL. ALPINE TRUSSES CONFORM WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR STEEL), ASCE 7-98, AND THE 2015 INTERNATIONAL BUILDING CODE. ANY INSPECTION OF TRUSSES FOLLOWED BY (1) SHALL BE PER AMEY A3 OF TPI-2002 SEC. 3. A SEAL ON THIS BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FL/-/3/-/1-/R/-	Scale = .375" / Ft.	
TC LL	20.0 PSF	REF R487 - 72126
TC DL	10.0 PSF	DATE 08/03/05
BC DL	10.0 PSF	DRW HCUSR487 05215077
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 148260
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1SPA487_201

Right end vertical not exposed to wind pressure.



FL/-3/-/-R/-	Scale = .3125"/Ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"
JREF- 1SPA487_201	

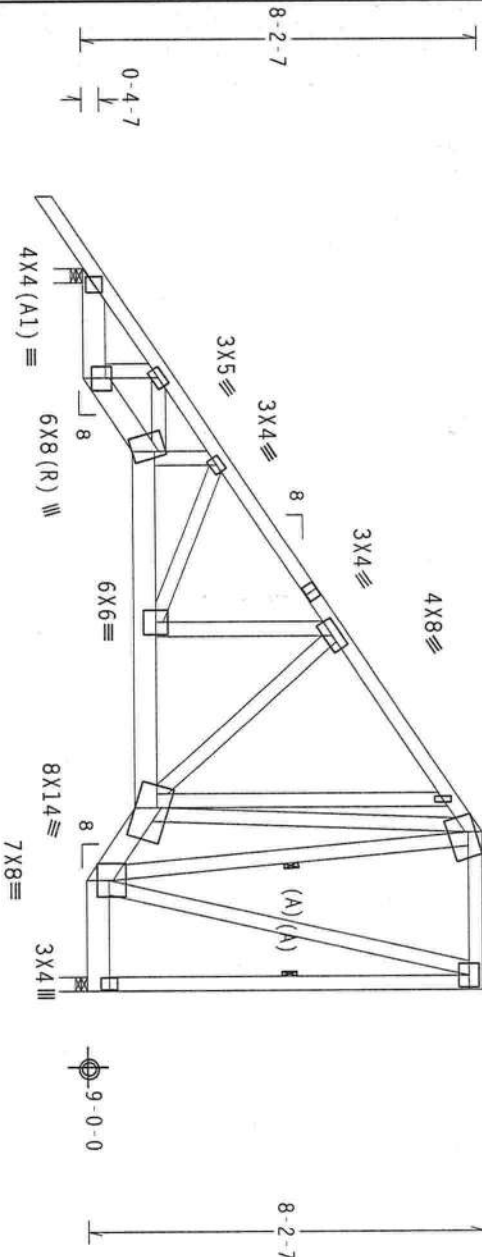
-----	(LIMBER DUE, F.A.C. = 1.25 / PLATE DUE, F.A.C. = 1.25)
TC - From	60 PLF at -1.50 to 60 PLF at 15.00
BC - From	4 PLF at -1.50 to 4 PLF at 0.00
BC - From	20 PLF at 0.00 to 20 PLF at 15.00
BC - 3032 LB Conc. Load at	7.06
BC - 1275 LB Conc. Load at	9.06
BC - 1270 LB Conc. Load at	11.06, 13.06

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

HS512≡

1.5X4 III

5X6≡



Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

2 COMPLETE TRUSSES REQUIRED

```

Nailing Schedule: (10d Common_ (0.148"x3",_min_)._nails)
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 3.50" o.c.
Webs      : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

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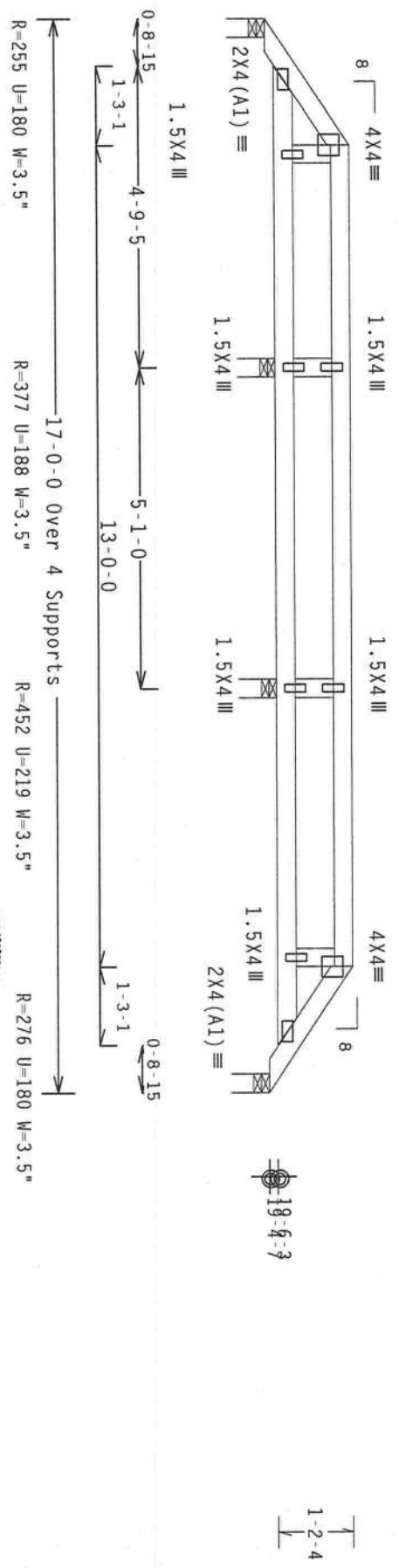
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

PLT TYP. 20 Gauge HS, wave TPI Design Crit: TPI-1995(STD)/FBC 7.04 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), 363 D-ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6800 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 PROBABLY ATTACHED RIGID CEILING. **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W./M./X) ASTM A653 GRADE 40/60 (W. K/1/5) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIA/ASA OF TPI, 2002 SEC. 3.5 FOR THE TRUSS AND (2) SHALL BE PER AIA/ASA OF TPI, 2002 SEC. 3.5 FOR THE TRUSS AND (3) SHALL BE PER AIA/ASA OF TPI, 2002 SEC. 3.5 FOR THE TRUSS AND (4) SHALL BE PER AIA/ASA OF TPI, 2002 SEC. 3.5 FOR THE TRUSS AND (5) FOR THE TRUSS AND (6) FOR THE TRUSS AND (7) FOR THE TRUSS AND (8) FOR THE TRUSS AND (9) FOR THE TRUSS AND (10) FOR THE TRUSS AND (11) FOR THE TRUSS AND (12) FOR THE TRUSS AND (13) FOR THE TRUSS AND (14) FOR THE TRUSS AND (15) FOR THE TRUSS AND (16) FOR THE TRUSS AND (17) FOR THE TRUSS AND (18) FOR THE TRUSS AND (19) FOR THE TRUSS AND (20) FOR THE TRUSS AND (21) FOR THE TRUSS AND (22) FOR THE TRUSS AND (23) FOR THE TRUSS AND (24) FOR THE TRUSS AND (25) FOR THE TRUSS AND (26) FOR THE TRUSS AND (27) FOR THE TRUSS AND (28) FOR THE TRUSS AND (29) FOR THE TRUSS AND (30) FOR THE TRUSS AND (31) FOR THE TRUSS AND (32) FOR THE TRUSS AND (33) FOR THE TRUSS AND (34) FOR THE TRUSS AND (35) FOR THE TRUSS 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(5-315-3) STEVEN KRAMER/LVI 23 VDDOLLE/UNT HALL/MI
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 20.04 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind
BC DL=2.2 psf.

Deflection meets L/360 live and L/240 total load.
REFER TO DWG PIGBACKB0204 FOR PIGBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGBACK TO
BE BRACED @ 24"O.C., UNLESS OTHERWISE SPECIFIED



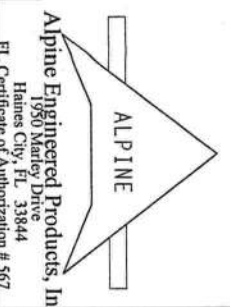
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

FL/-/3/-/-/R/-

Scale = .375"/Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'CONNOR DR., SUITE 200, MADISON, WI 53719) AND NCA (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.

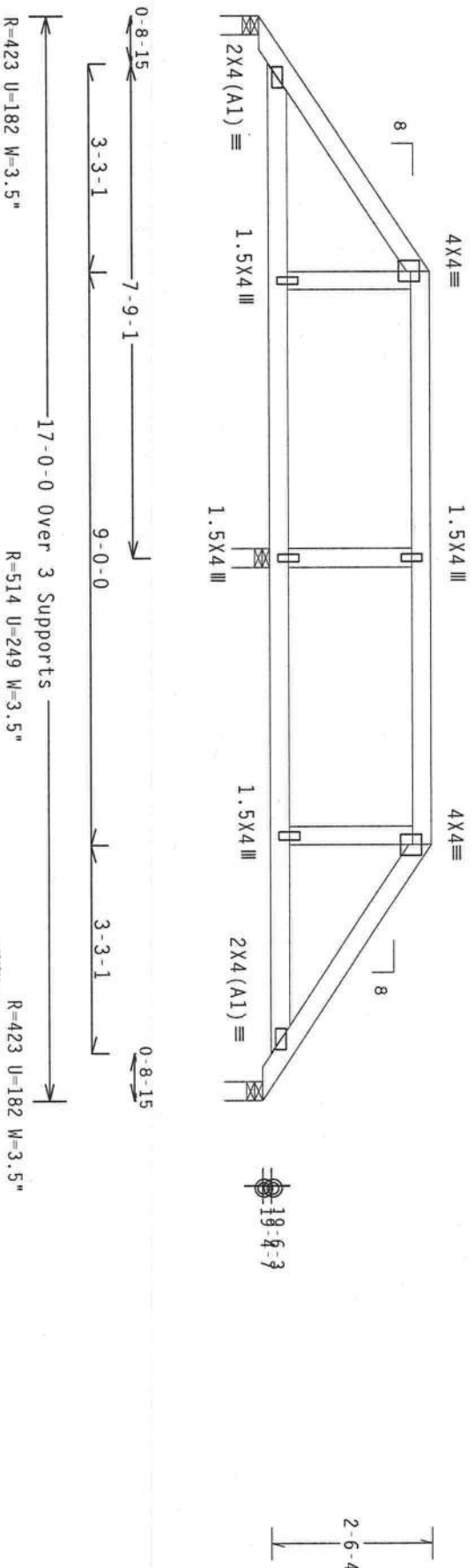
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THE DESIGN OR INSTALLATION OF THE TRUSS. PRESS CONNECTIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASD) AND TPI-1995(STD) SHALL BE USED. CONNECTOR PLATES ARE MADE OF 20/18/1604 (W/J/S/K) ASTM A653 GRADE 40/60 (W, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R487-- 72129
TC DL	10.0 PSF	DATE 08/03/05
BC DL	10.0 PSF	DRW HCUR487 05215079
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 150042
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1SPA487_201

110 mph wind, 20.70 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf

REFER TO DWG PIGBACKB0204 FOR PIGBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGBACK TO
BE BRACED @ 24"O.C., UNLESS OTHERWISE SPECIFIED



Scale = .375" / Ft.

ALPINE

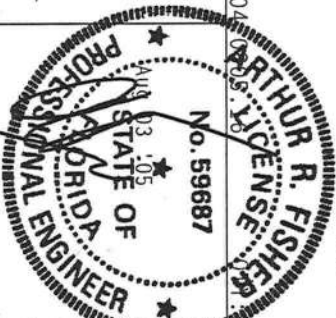
Alpine Engineered Products, Inc.

1950 Marley Drive
Haines City, FL 33844

Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING: * * * THESE BUILDINGS EXERTING GREAT INFLATION, HANDLING, SHIPPING, INSTALLING, AND BRACING, REFER TO BESS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE GEORGE P. LEE INSTITUTE, 693 D-ORFORD RD., SUITE 200, MOHIOSEN, IN 52719, AND MICA, 6000 TROSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MOHIOSEN, IN 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.

IMPORTANT: * * * FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. AT/PINE ENGINEERED



TC LL	20.0 PSF	REF R487-- 72130
TC DL	10.0 PSF	DATE 08/03/05
BC DL	10.0 PSF	DRW HCUR487 05215080
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 150045
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SPA487 Z01

110 mph wind, 21.37 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

110 mph wind, 21.37 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.



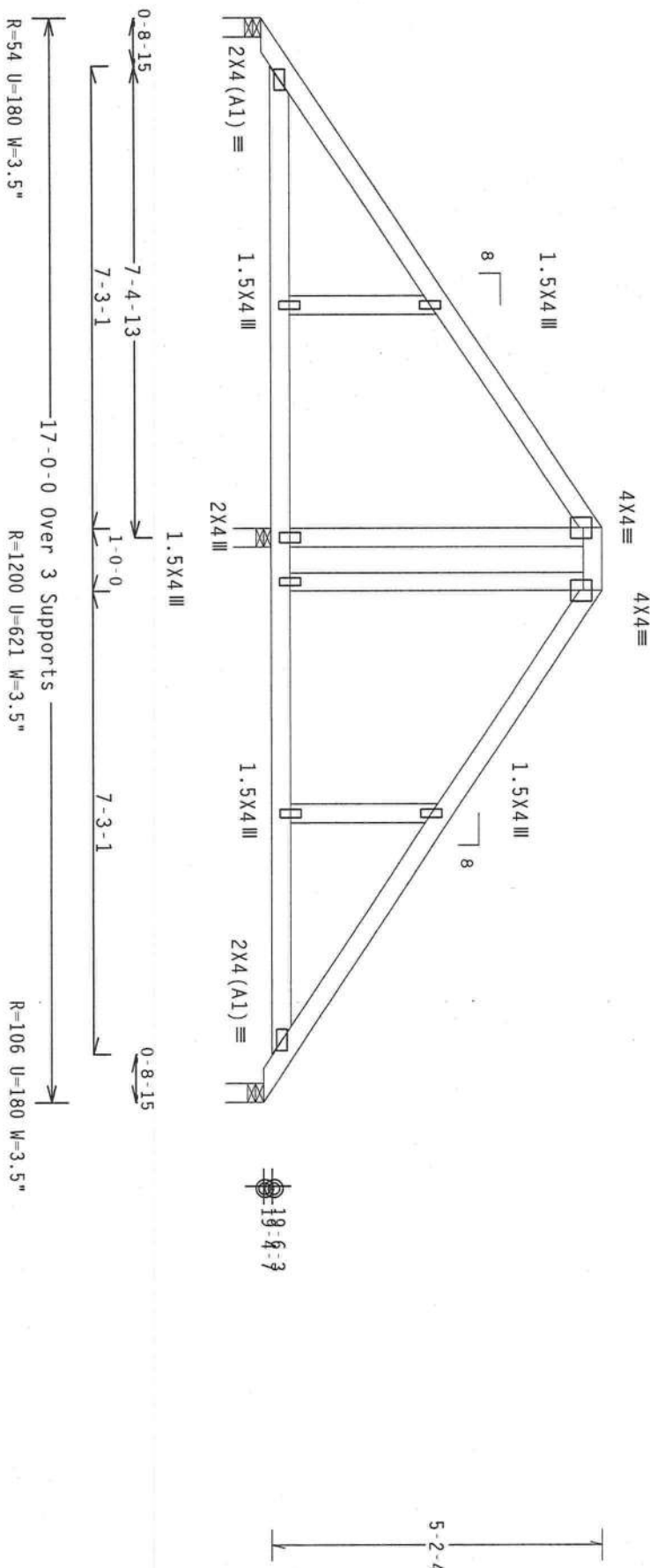
Scale = .375"/ft.



DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1SPA487_Z01

110 mph wind, 22.04 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

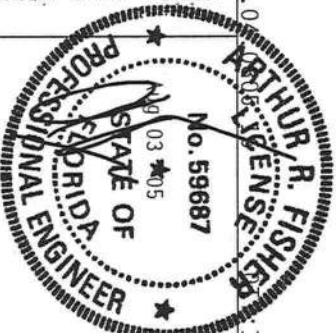
REFER TO DWG PIGBACKB0204 FOR PIGGYBACK DETAILS
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO
BE BRACED @ 24"O.C., UNLESS OTHERWISE SPECIFIED



Scale = .375" / Ft.

Alpine Engineered Products, Inc.
1650 Marlow Drive

1750 Wainley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

[illegible]

TC LL	20.0 PSF	REF	R487-- 72132
TC DL	10.0 PSF	DATE	08/03/05
BC DL	10.0 PSF	DRW	HCUSR487 06215082
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	150052
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1SPA487_Z01

110 mph wind, 22.20 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

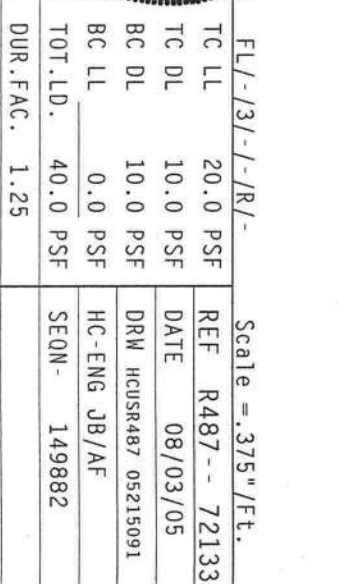
5



Scale = .375" / Ft.

Alpine Engineered Products, Inc.
1950 Marlow Drive

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE ENGINEER'S PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH T11, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSESS, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.), (BY AIA) AND T11. ACTIVE CONNECTOR PLATES ARE MADE OF 20/18/1664 (U.S./S) ASTM A653 GRADE 40/60 (K./M.S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, WHEN NECESSARY LOCATED ON THIS DESIGN, POSITION PER DIMENSIONS 160A-Z. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AIA 3.3 OF T11-2002 SEC.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT



(5-315-2) STEPHEN CRAWFORD/LVI 23 UBBLESTONE - PL/AF/

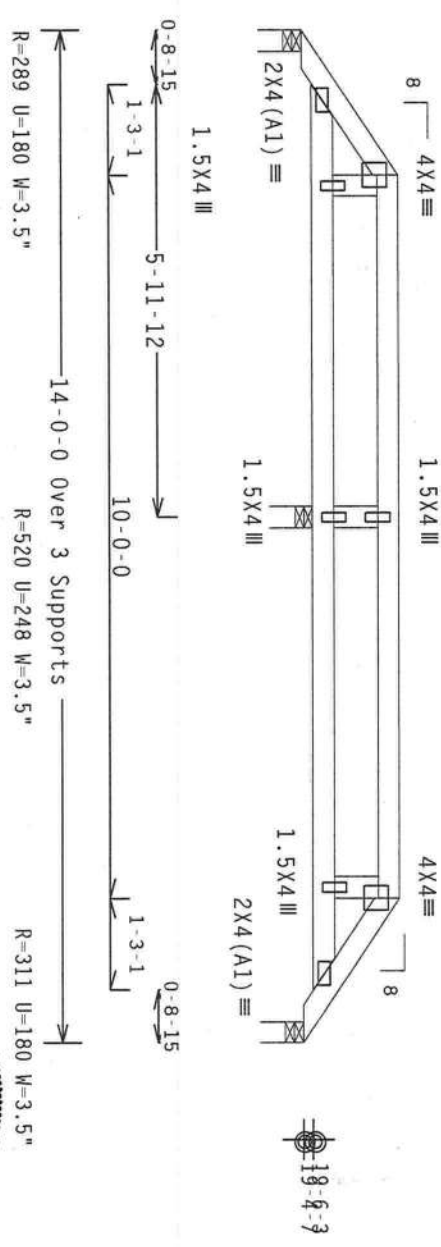
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 20.04 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind
BC DL=2.2 psf.

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

REFER TO DWG PIGBACK0204 FOR PIGBACK DETAILS.

TOP CHORD OF SUPPORTING TRUSS UNDER PIGBACK TO
BE BRACED @ 24"O.C., UNLESS OTHERWISE SPECIFIED



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

FL/-/3/-/-/R/-

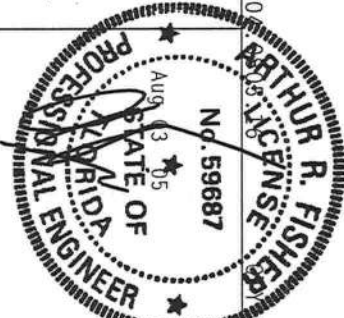
Scale = .375"/ft.



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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&I 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'CONNOR DR., SUITE 200, MADISON, WI 53719) AND NFCA (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-1995 (STD) OR NFCA 1-03, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DISCREPANCY PLATES ARE MADE OF 20/10/16GA (W/5/2X) ASTM A653 GRADE 40/50 (W/ K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

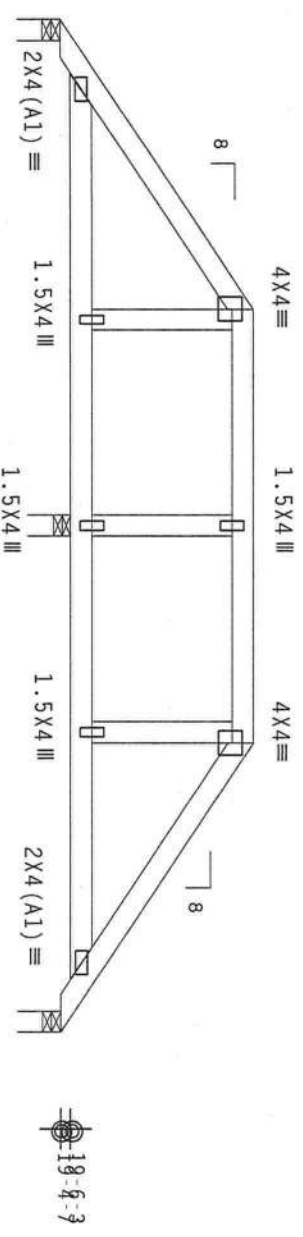


TC LL	20.0 PSF	REF R487 - - 72134
TC DL	10.0 PSF	DATE 08/03/05
BC DL	10.0 PSF	DRW HCUR487 05215083
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEQN - 150060
DUR. FAC.	1.25	
SPACING	24.0"	JREF - 1SPA487_201

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

110 mph wind, 20.70 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind
BC DL=2.2 psf.

Deflection meets L/360 live and L/240 total load.
REFER TO DWG PIGBACKB0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO
BE BRACED @ 24"O.C., UNLESS OTHERWISE SPECIFIED



0'-8-15 3'-3-1 6'-3-1 6'-0-0 3'-3-1 0'-8-15
14'-0-0 over 3 Supports
R=329 U=180 W=3.5" R=462 U=228 W=3.5" R=329 U=180 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

FL/-/3/-/-/R/-

Scale = .375"/ft.

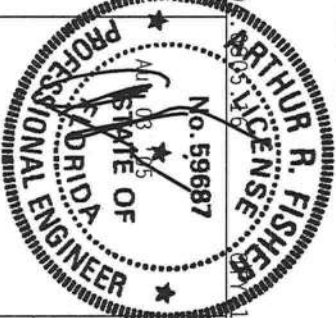
ALPINE

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

FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 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 FACTORS TO BUILDING DESIGNER'S SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO, BUILDING CODES, LOCAL ORDINANCES, AND THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ALPINE AND TPI). ALPINE 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 DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



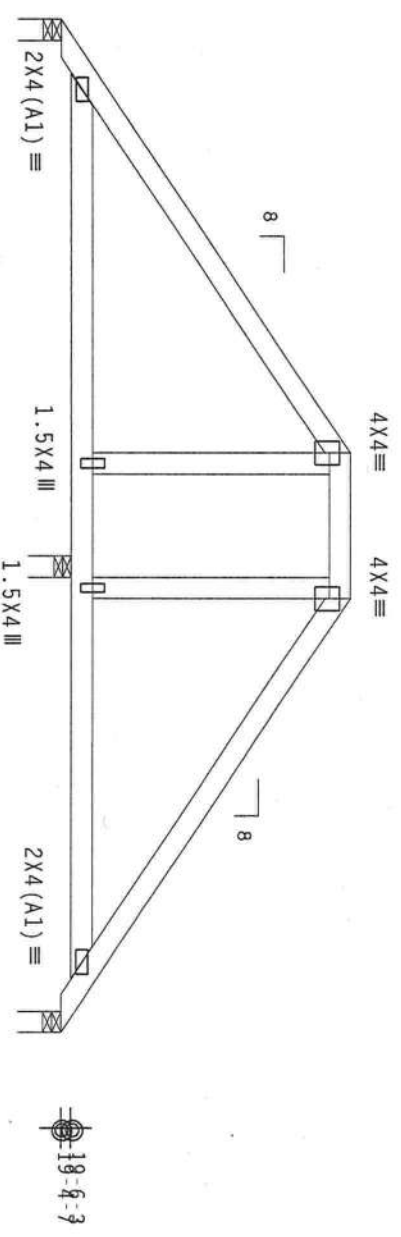
TC LL	20.0 PSF	REF R487-- 72135
TC DL	10.0 PSF	DATE 08/03/05
BC DL	10.0 PSF	DRW HCUR487 05215084
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEGN- 150095
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1SPA487_Z01

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

110 mph wind, 21.37 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

REFER TO DWG PIGBACKR0204 FOR PIGGYBACK DETAILS.
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24"O.C., UNLESS OTHERWISE SPECIFIED



0-8-15 6-9-13 2-0-0 5-3-1 0-8-15

14-0-0 Over 3 Supports

R=191 U=180 W=3.5" R=807 U=460 W=3.5" R=123 U=180 W=3.5"

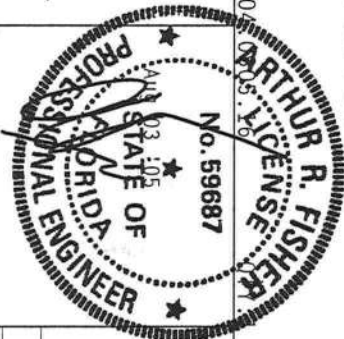
PLT TYP. Wave TPI Design Crit: TPI-1995(STD)/FBC 7.0

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO HCS1 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 D'AMORETTO 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 BE RESPONSIBLE FOR DETAILING, FABRICATING, SHIPPING, AND INSTALLING THE TRUSS. THE TRUSS SHALL BE DELIVERED WITH ALL NECESSARY ATTACHMENT HARDWARE, INCLUDING BOLTS, PLATES, AND BRACING. THE TRUSS SHALL BE DELIVERED WITH ALL NECESSARY ATTACHMENT HARDWARE, INCLUDING BOLTS, PLATES, AND BRACING. THE TRUSS SHALL BE DELIVERED WITH ALL NECESSARY ATTACHMENT HARDWARE, INCLUDING BOLTS, PLATES, AND BRACING.



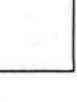
Alpine Engineered Products, Inc.
1950 Manley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



FL/-/3/-/-/R/-		Scale = .375"/ft.	
TC LL	20.0 PSF	REF	R487-- 72136
TC DL	10.0 PSF	DATE	08/03/05
BC DL	10.0 PSF	DRW	HCSUR487 05215085
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	150111
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1SPA487_201

110 mph wind, 21.70 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

1



Scale = .375" / Ft.

Year	Actual (%)	Projected (%)
1950	7.5	-
1960	8.5	-
1970	9.5	-
1980	10.5	-
1990	11.5	-
2000	12.5	12.5
2010	-	14.5
2020	-	16.5
2030	-	17.5
2040	-	18.5
2050	-	18.5

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

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DO NOT WRITE IN THESE SPACES

SPACING 24.0"

UKET - 1SPA48/_20.

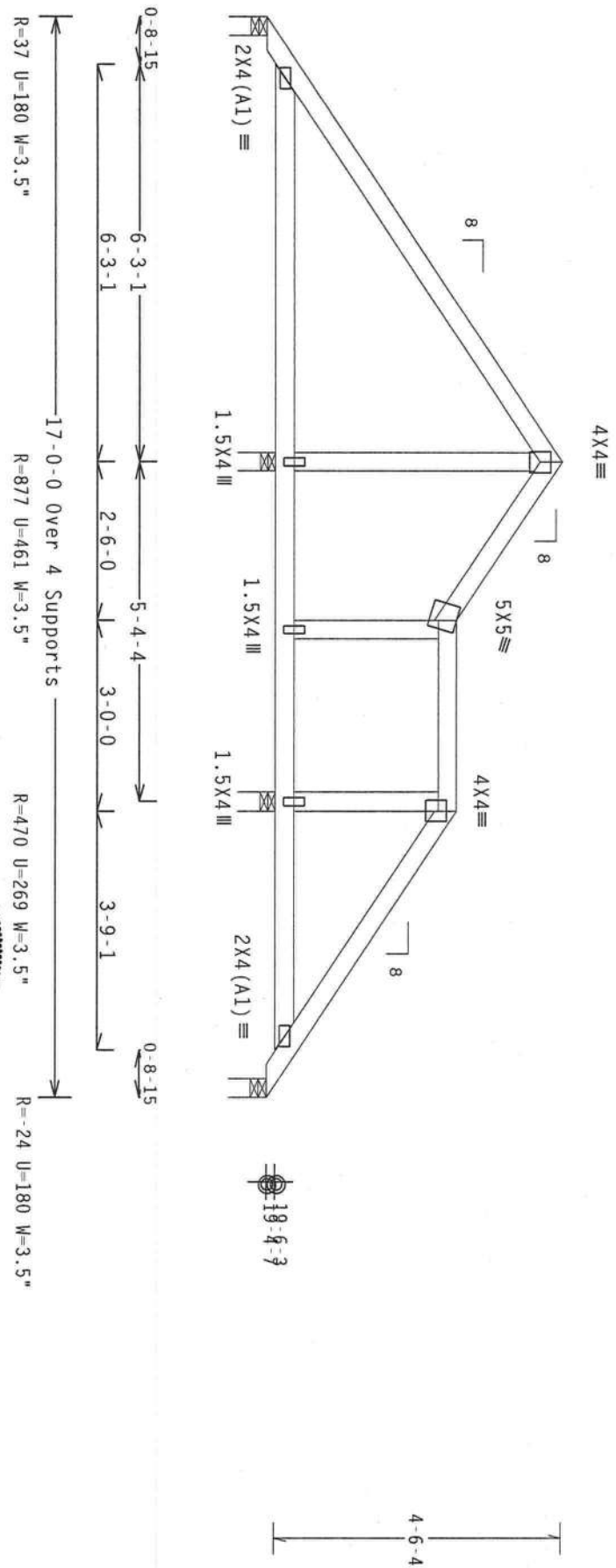
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 21.70 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

REFER TO DWG PIGBACKB0204 FOR PIGGYBACK DETAILS.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.0

FL/-/3/-/-/R/-

Scale = .375"/ft.

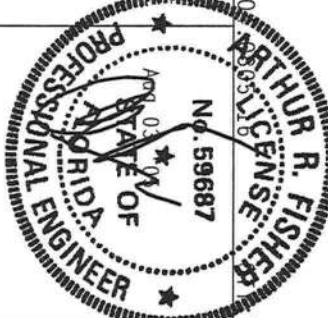
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 560 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS AS SHOWN, OR ANY FAILURE TO FOLLOW THE INSTALLATION INSTRUCTIONS, SHALL BE THE RESPONSIBILITY OF THE INSTALLER. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AREA) AND TPI ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (U.N.S./K) ASH 4653 GRADE 40/60 (U. 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-1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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

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FL/3/-/-/R/-		Scale = .375"/ft.	
TC LL	20.0 PSF	REF	R487 - 72138
TC DL	10.0 PSF	DATE	08/03/05
BC DL	10.0 PSF	DRW	HCUSR487 05215087
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT. LD.	40.0 PSF	SEQN	150385
DUR. FAC.	1.25		
SPACING	24.0"	JREF	- 1SPA487_201

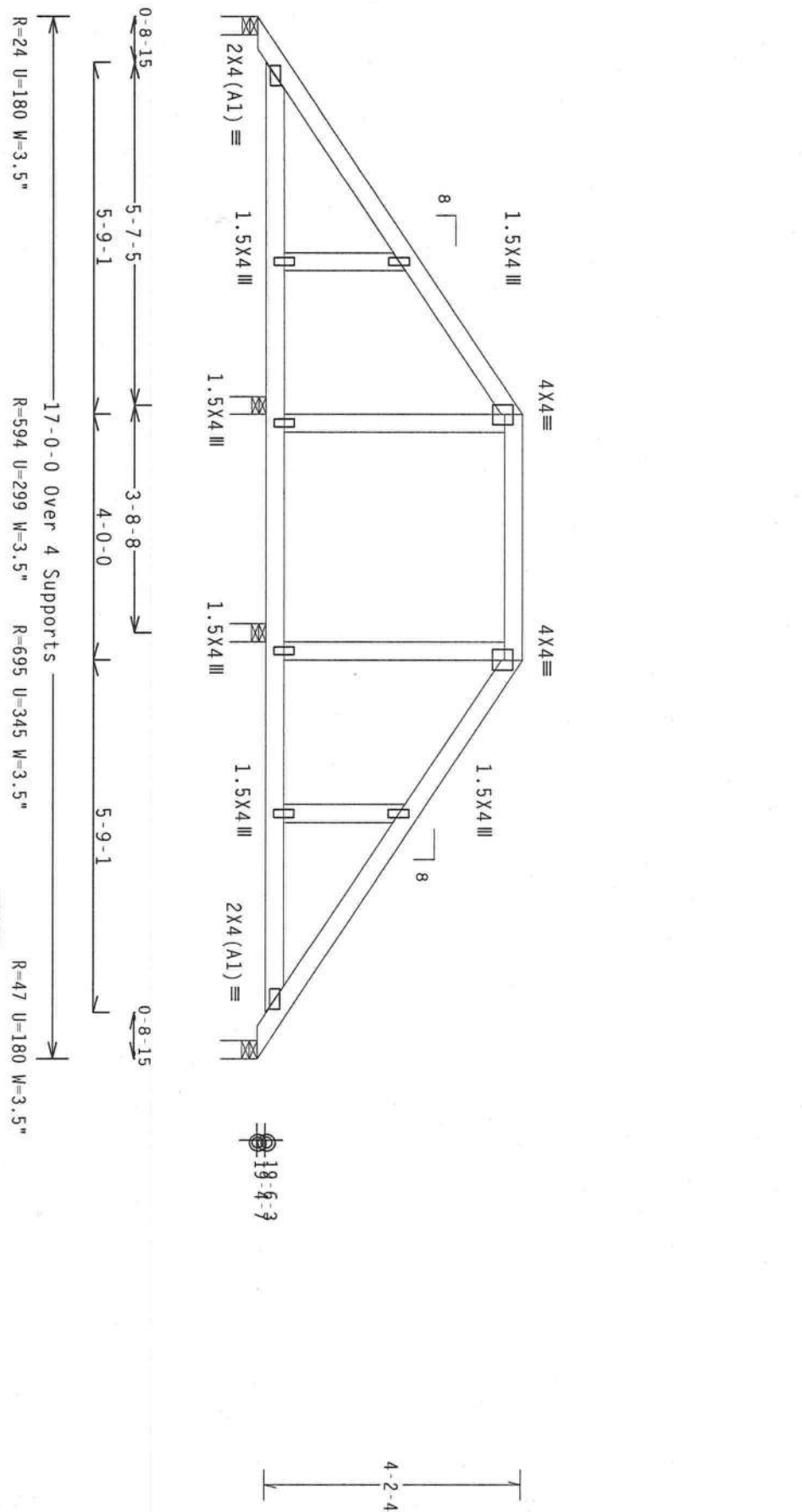
Top Chord 2x4 SP #2 Dense
Bot Chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 21.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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

REFER TO DWG PIGBACKB0204 FOR PIGGYBACK DETAILS.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(Std)/FBC

7.0

FL/-/3/-/-/R/-

Scale = .375"/ft.

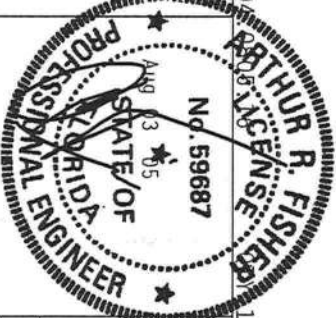
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****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE TRUSS DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE TRUSS SHALL BE USED IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS AND THE TRUSS SHALL BE USED IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS.

ALPINE

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

FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF R487 - - 72139
TC DL	10.0 PSF	DATE 08/03/05
BC DL	10.0 PSF	DRW HCUR487 05215088
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON - 150400
DUR. FAC.	1.25	
SPACING	24.0"	JREF - 1SPA487_201

CLB WEB BRACE SUBSTITUTION

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

NOTES:

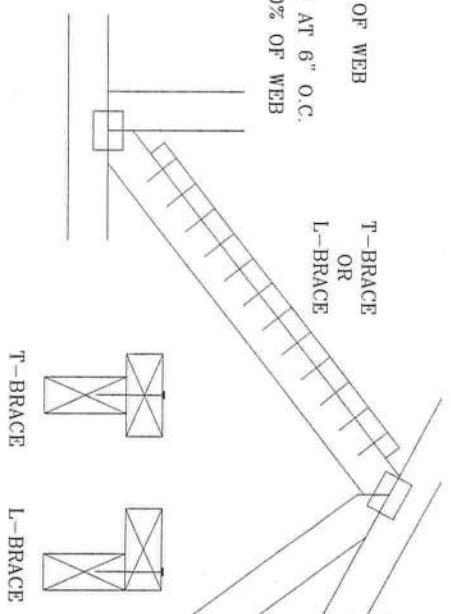
THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.
ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

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

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

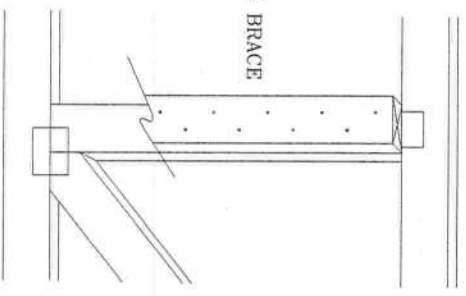
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

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



SCAB BRACING:

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



THIS DRAWING REPLACES DRAWING 579,640

ALPINE ENGINEERED PRODUCTS, INC.
POMPAN0 BEACH, FLORIDA

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 DUNDEN DR., SUITE 200, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASA AND TPI). ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (V/A/5/40 ASTM A653 GRADE 40/50 (V/A/5/40) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED BY TPI, SHALL BE 16" LONG. ANY DEVIATION FROM THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE PROFESSIONAL ENGINEER'S RESPONSIBILITY IS TO THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRCBSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

BEARING BLOCK NAIL SPACING DETAIL

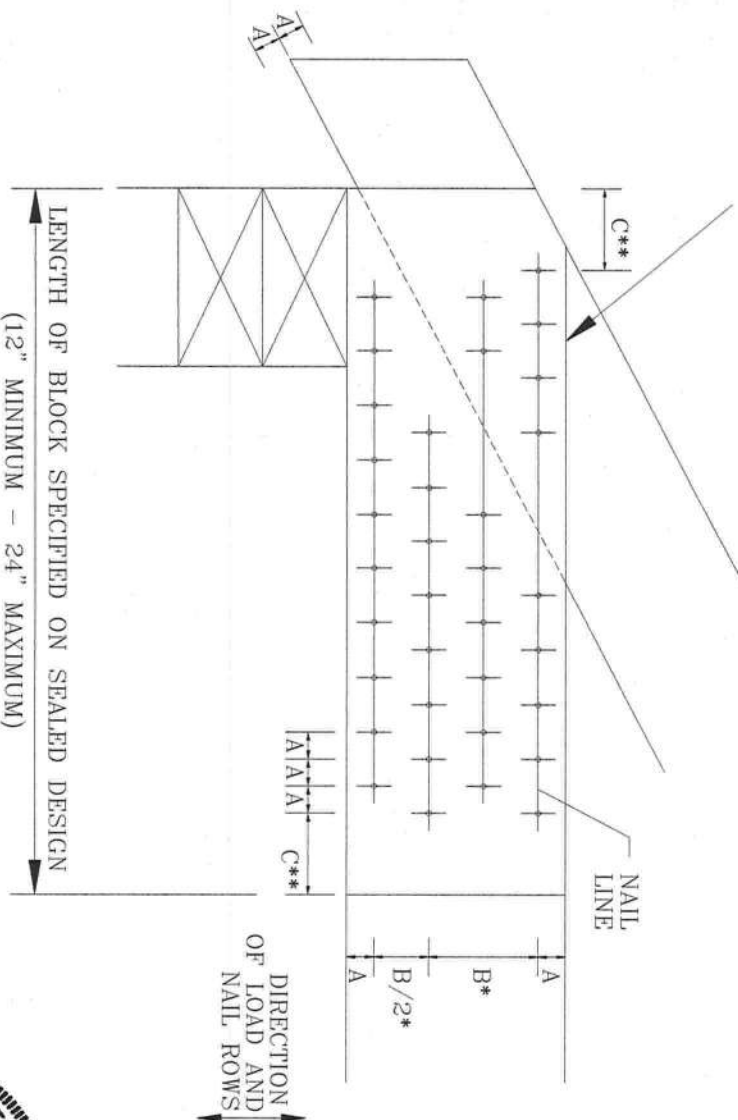
MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

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

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

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

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



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

MINIMUM NAIL SPACING DISTANCES

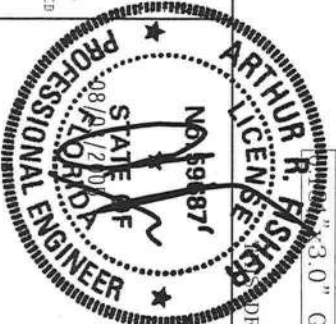
NAIL TYPE	DISTANCES			
	A	B*	C**	
8d BOX (0.113"x2.5")	3/4"	1 3/8"	1 3/4"	
10d BOX (0.128"x3")	7/8"	1 5/8"	2"	
12d BOX (0.128"x3.25")	7/8"	1 5/8"	2"	
16d BOX (0.135"x3.5")	7/8"	1 5/8"	2 1/8"	
20d BOX (0.148"x4")	1"	1 7/8"	2 1/4"	
8d COMMON (0.131"x2.5")	7/8"	1 5/8"	2"	
10d COMMON (0.148"x3")	1"	1 7/8"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

LENGTH OF BLOCK SPECIFIED ON SEALED DESIGN
 (12" MINIMUM - 24" MAXIMUM)

DIRECTION OF LOAD AND NAIL ROWS

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

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BRACE OR ANY OTHER CONSTRUCTION DEFECTS. THE DESIGN CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING OF TRUSSES. DESIGN CONTRACTORS WITH APPLICABLE PROVISIONS OF AISC 360/410 DESIGN SPEC. BY AISC AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1666 (W48X50) ASIN A653 GRADE 40/60 (W48X50) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1606-2. ANY INSPECTION OF PLATES FOLLOWED BY (D) 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 SUTABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



DRAWING REPLACES DRAWING B139 AND CNBRGK0699

REF BEARING BLOCK
 DATE 11/26/03
 DRWG CNBRGK1103
 -ENG SJP/KAR

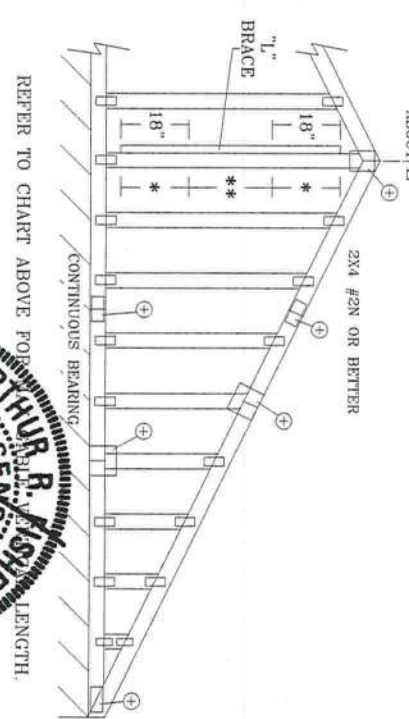
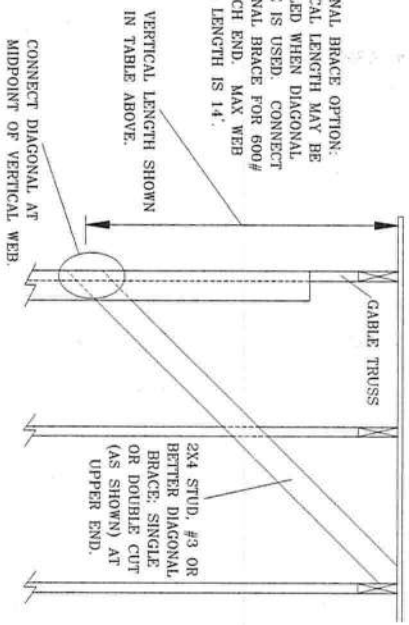


ALPINE ENGINEERED PRODUCTS, INC.
 POMPANO BEACH, FLORIDA

ASCE 7-98: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

2x4 CABLE VERTICAL BRACE		BRACE		NO		(1) 1x4 "L" BRACE *		(1) 2x4 "L" BRACE *		(2) 2x4 "L" BRACE **		(1) 2x6 "L" BRACE *		(2) 2x6 "L" BRACE **	
GABLE VERTICAL	SPACING	SPECIES	GRADE	BRACE	NO	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" O.C.	DFL	SPF	#1 / #2	STUD	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"
		SPF	#3	STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		HF	STANDARD	STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"
		SP	#1	STUD	4' 3"	6' 8"	6' 8"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		SP	#2	STUD	4' 2"	6' 8"	6' 8"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
16" O.C.	DFL	SPF	#1 / #2	STUD	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
		SPF	#3	STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"
		HF	STANDARD	STUD	4' 10"	6' 4"	6' 4"	7' 10"	6' 11"	9' 4"	9' 11"	12' 6"	12' 6"	14' 0"	14' 0"
		SP	#1	STUD	4' 10"	6' 4"	6' 4"	7' 10"	6' 11"	9' 4"	9' 11"	12' 6"	12' 6"	14' 0"	14' 0"
		SP	#2	STUD	4' 10"	6' 4"	6' 4"	7' 10"	6' 11"	9' 4"	9' 11"	12' 6"	12' 6"	14' 0"	14' 0"
24" O.C.	DFL	SPF	#1 / #2	STUD	4' 5"	7' 8"	7' 8"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		SPF	#3	STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		HF	STANDARD	STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		SP	#1	STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		SP	#2	STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"

MAX GABLE VERTICAL LENGTH



GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPICE
LESS THAN 4' 0"	1x4 OR 2x3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2x4
GREATER THAN 11' 6"	2.5x4

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

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

GABLE TRUSS DETAIL NOTES:
LIVE LOAD DEFLECTION CRITERIA IS L/240.
PROVIDE UPLIFT CONNECTIONS FOR 60 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).
CABLE END SUPPORTS LOAD FROM 4' 0" OUTDOORS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.
ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2' 0" O.C. IN 16" END ZONES AND 4' 0" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3' 0" O.C. IN 16" END ZONES AND 6' 0" O.C. BETWEEN ZONES.
"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

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

VERTICAL LENGTH SHOWN IN TABLE ABOVE.
CONNECT DIAGONAL AT MIDPOINT OF VERTICAL WEB.



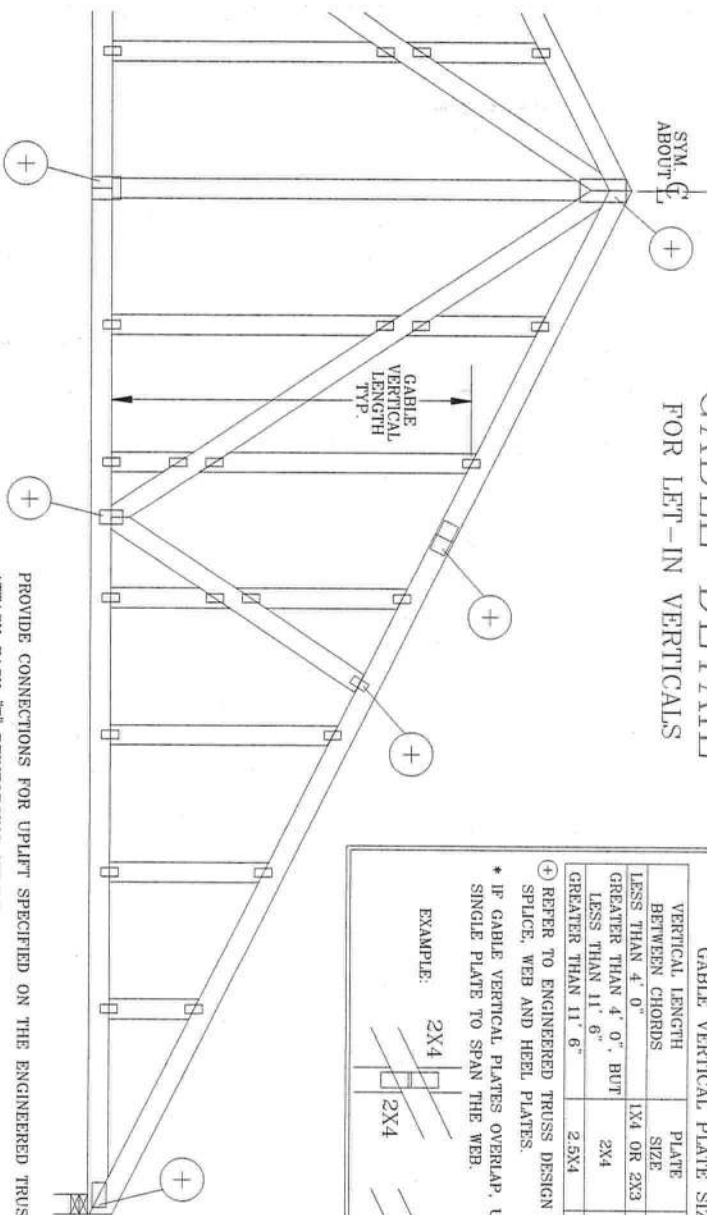
ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

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 DOWNSIDE DR., SUITE 200, MADISON, VT 55719, AND VITA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LN, MADISON, VT 55719), FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CHANGES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1666 (A/AS) ASTM A653 GRADE 40/50 (A/AS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED BY THIS DESIGN, POSITION PER BRACKETS 1600-22. ANY INSPECTION OF PLATES FOLLOWED BY CD SHALL BE THE DESIGNER'S RESPONSIBILITY. THE DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, THE PROFESSIONAL ENGINEERING RESPONSIBILITY SHALL BE THE TRUSS DESIGNER'S RESPONSIBILITY. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



REF	ASCE7-98-GAB11015
DATE	11/26/03
DRWG	A1015EC1103
ENG	
MAX. TOT. LD.	60 PSF
MAX. SPACING	24.0"

GABLE DETAIL FOR LET-IN VERTICALS

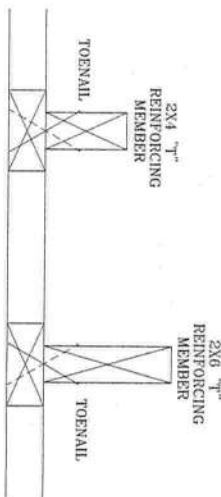


GABLE VERTICAL PLATE SIZES			
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*	
LESS THAN 4' 0"	1X4 OR 2X3	2X6	
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4	2X8	
GREATER THAN 11' 6"	2X4	2X8	

* REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

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

EXAMPLE: 2X4 2X4 2X8



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

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

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MFR	"T" REINFORCING MEMBER SIZE	SBCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT

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

"T" REINFORCING MEMBER SIZE = 2X4

"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10

(1) 2X4 "T" BRACE LENGTH = 6' 7"

MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH

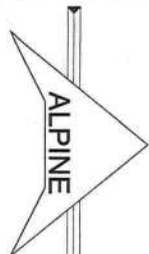
1.10 x 6' 7" = 7' 3"

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

VERTICAL LENGTH.

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ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA



REPLACES DRAWINGS GAB98117 876.719 & HC26294035	REF	LET-IN VERT
	DATE	01/16/04
	DRWG	GBLETFIN1103
	ENG	DLJ/KAR
MAX TOT. LD. 60 PSF		
DUR. FAC. ANY		
MAX SPACING 24.0"		

GLAZING OPTION CROSS SEC.

GLAZING NOT AVAILABLE IN VINYL-BORNE DETERIS REGION

TEST No. IRC-6009-159-15 ON OCTOBER 10, 2002 INCLUDED GLAZING IN THE TESTED DOOR. THE TEST PRESSURES WERE +67.9 PSF AND -80.1 PSF. BY COMPARISON, UP TO EIGHT (8) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OR EITHER THE MODEL 600 OR 950 DOORS CONSTRUCTED PER THIS DRAWING.

OPTIONAL DRAIN INSERTS WITH UV PROTECTION GLASS MIN. 3/32" THICK 559

OPTIONAL WINDOW FRAME WITH UV PROTECTION

WALD INSIDE FRAME

SECTION B-B

SPRUE TRACES AT THIS LOCATION W/ (1) 1/4" x 3/16" TRACK SPRUE BOLTS & NUTS SECURE TO JAMB WITH (2) 5/16" DIA. x 1-5/8" LG BOLTS

(1) 5/16" DIA. x 1-5/8" LG BOLT ATTACHED TO JAMB AT EX. JAMB BRACKET

13 GA. GALV. STEEL JAMB BRACKET ATTACHED W/ (1) 1/4" x 3/16" TRACK SPRUE BOLT & NUT OR (2) RIVETS

SEE TABLE 2) ON REVERSE SIDE FOR JAMB BRACKET SPACING

TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS

SECTION A-A (SIDE VIEW)

CON. STEEL RETAINER W/ CON. BLD SEAL

16 GA. RESIDENTIAL TOP FIXTURE ATTACHED W/ (2) 1/4" x 3/4" HEX HEAD SCREWS AT EACH WINDOW FRAME

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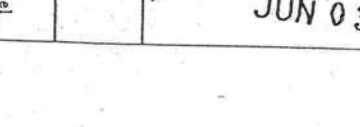
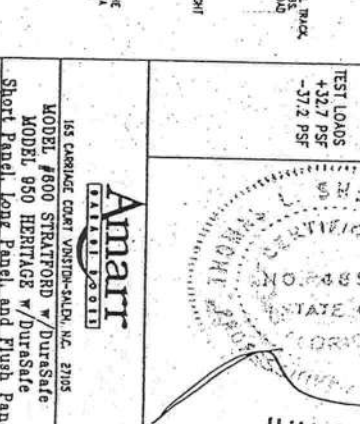
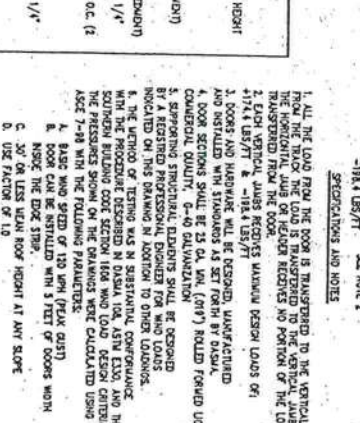
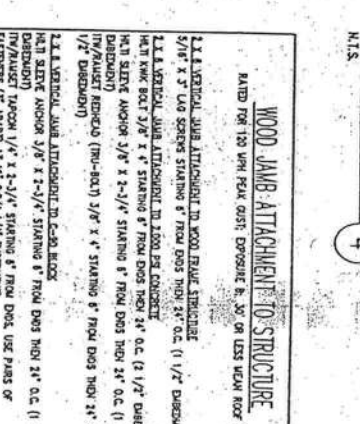
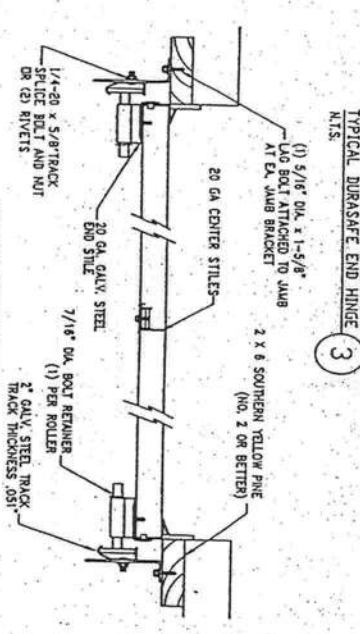
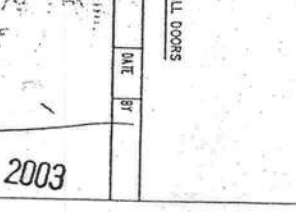
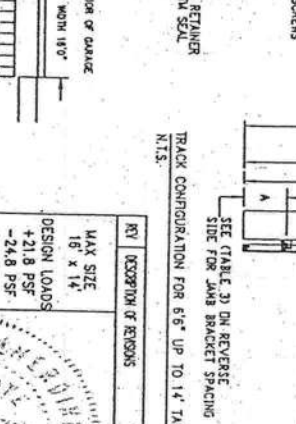
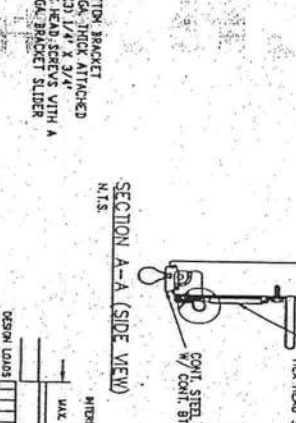
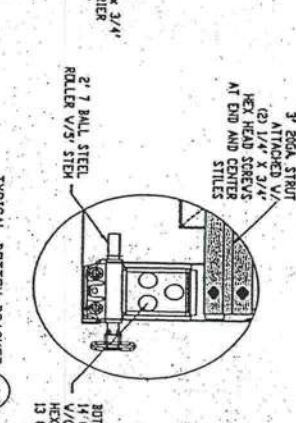
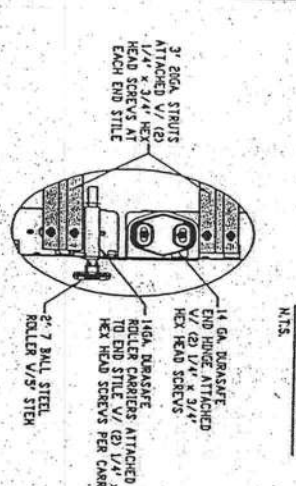
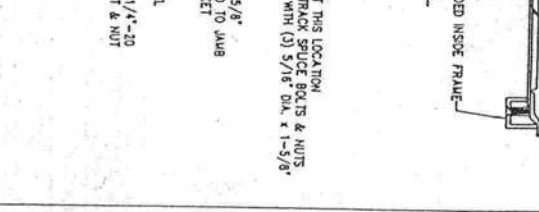
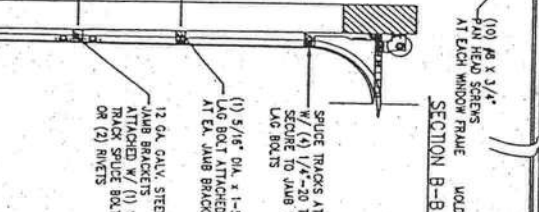
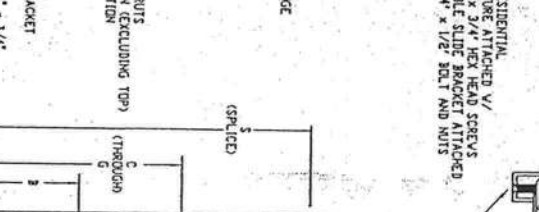
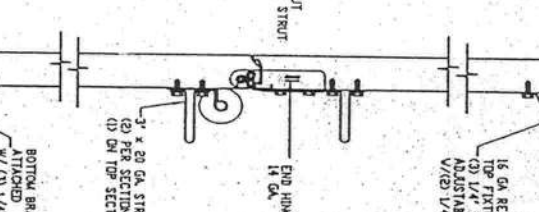
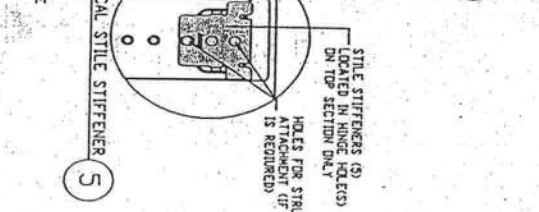
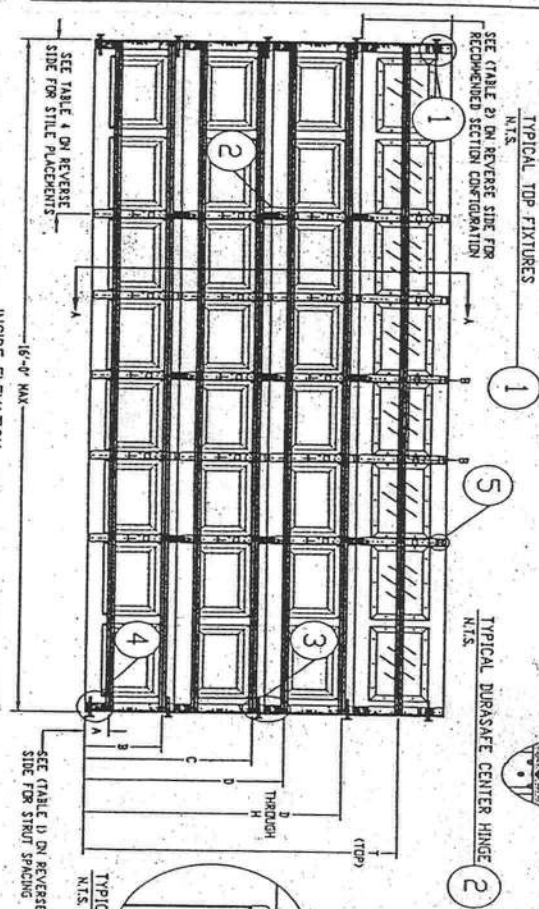
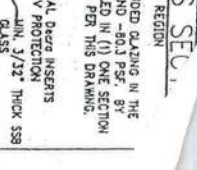
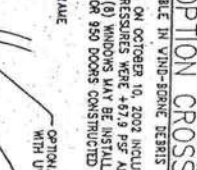
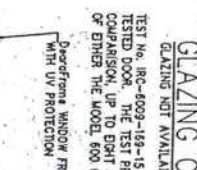
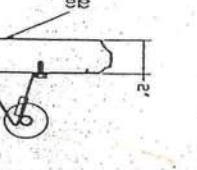
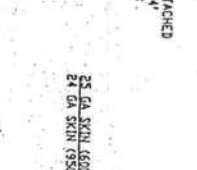
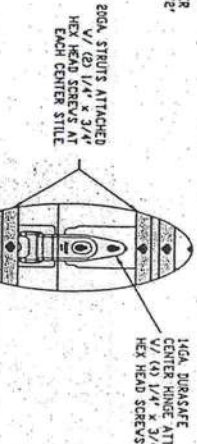
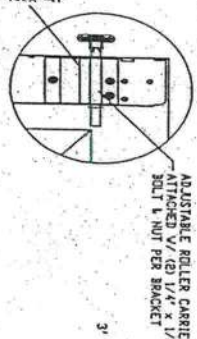
16 GA. RESIDENTIAL TOP FIXTURE ATTACHED W/ (2) 1/4" x 3/4" HEX HEAD SCREWS AT EACH WINDOW FRAME

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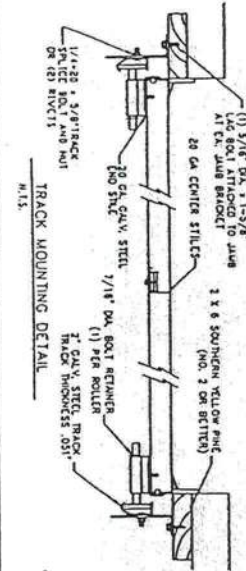
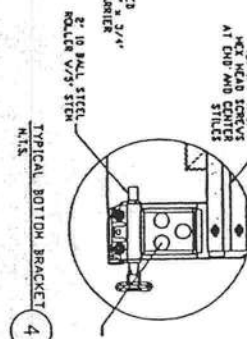
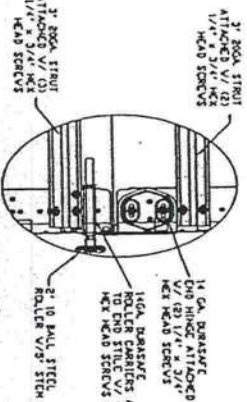
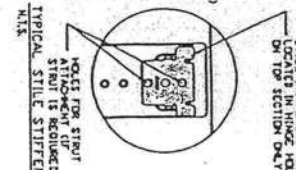
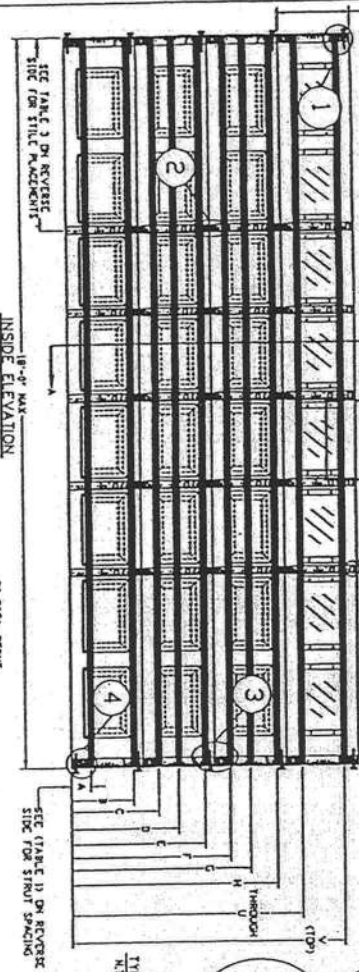
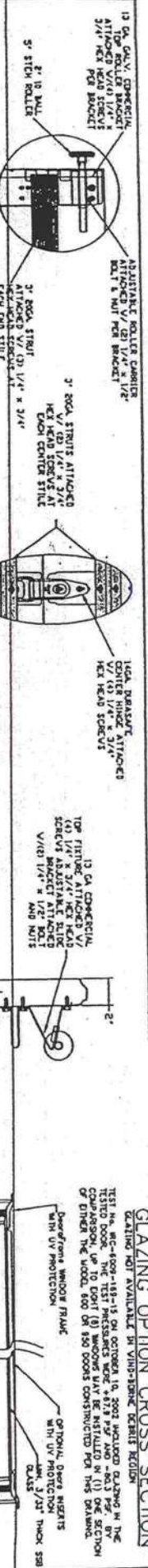
16 GA. RESIDENTIAL TOP FIXTURE ATTACHED W/ (2) 1/4" x 3/4" HEX HEAD SCREWS AT EACH WINDOW FRAME

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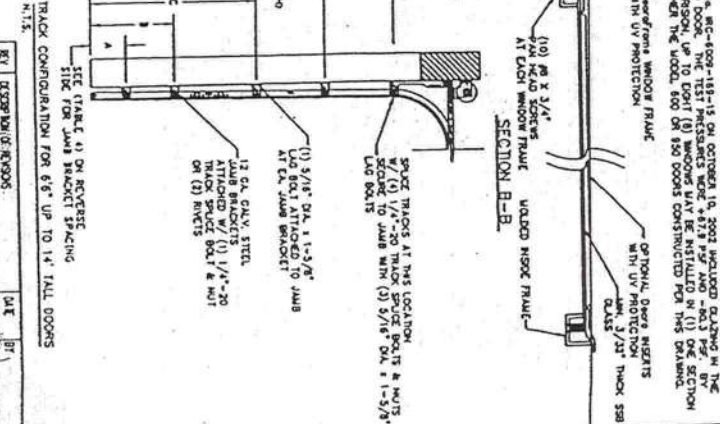
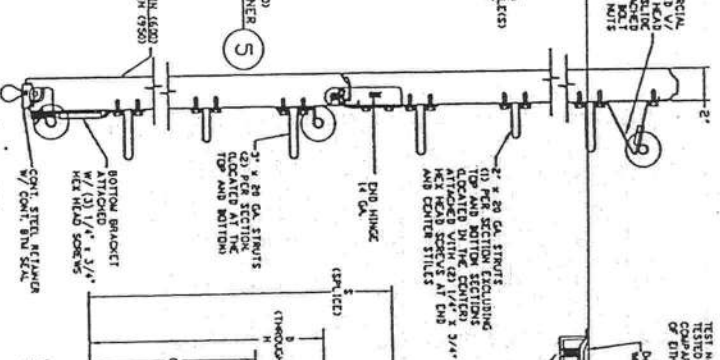


Amarr
165 CARRIAGE COURT WASHINGTON, DC 20005
MODEL #800 STRATFORD W/ DURASAFE
MODEL #950 HENRIETTA W/ DURASAFE
Short Panel, Long Panel, and Flush Panel
SIZE 16M 8' 0" 14' 0" 20' 0" 24' 0" 28' 0" 32' 0" 36' 0" 40' 0" 44' 0" 48' 0" 52' 0" 56' 0" 60' 0" 64' 0" 68' 0" 72' 0" 76' 0" 80' 0" 84' 0" 88' 0" 92' 0" 96' 0" 100' 0" 104' 0" 108' 0" 112' 0" 116' 0" 120' 0" 124' 0" 128' 0" 132' 0" 136' 0" 140' 0" 144' 0" 148' 0" 152' 0" 156' 0" 160' 0" 164' 0" 168' 0" 172' 0" 176' 0" 180' 0" 184' 0" 188' 0" 192' 0" 196' 0" 200' 0" 204' 0" 208' 0" 212' 0" 216' 0" 220' 0" 224' 0" 228' 0" 232' 0" 236' 0" 240' 0" 244' 0" 248' 0" 252' 0" 256' 0" 260' 0" 264' 0" 268' 0" 272' 0" 276' 0" 280' 0" 284' 0" 288' 0" 292' 0" 296' 0" 300' 0" 304' 0" 308' 0" 312' 0" 316' 0" 320' 0" 324' 0" 328' 0" 332' 0" 336' 0" 340' 0" 344' 0" 348' 0" 352' 0" 356' 0" 360' 0" 364' 0" 368' 0" 372' 0" 376' 0" 380' 0" 384' 0" 388' 0" 392' 0" 396' 0" 400' 0" 404' 0" 408' 0" 412' 0" 416' 0" 420' 0" 424' 0" 428' 0" 432' 0" 436' 0" 440' 0" 444' 0" 448' 0" 452' 0" 456' 0" 460' 0" 464' 0" 468' 0" 472' 0" 476' 0" 480' 0" 484' 0" 488' 0" 492' 0" 496' 0" 500' 0" 504' 0" 508' 0" 512' 0" 516' 0" 520' 0" 524' 0" 528' 0" 532' 0" 536' 0" 540' 0" 544' 0" 548' 0" 552' 0" 556' 0" 560' 0" 564' 0" 568' 0" 572' 0" 576' 0" 580' 0" 584' 0" 588' 0" 592' 0" 596' 0" 600' 0" 604' 0" 608' 0" 612' 0" 616' 0" 620' 0" 624' 0" 628' 0" 632' 0" 636' 0" 640' 0" 644' 0" 648' 0" 652' 0" 656' 0" 660' 0" 664' 0" 668' 0" 672' 0" 676' 0" 680' 0" 684' 0" 688' 0" 692' 0" 696' 0" 700' 0" 704' 0" 708' 0" 712' 0" 716' 0" 720' 0" 724' 0" 728' 0" 732' 0" 736' 0" 740' 0" 744' 0" 748' 0" 752' 0" 756' 0" 760' 0" 764' 0" 768' 0" 772' 0" 776' 0" 780' 0" 784' 0" 788' 0" 792' 0" 796' 0" 800' 0" 804' 0" 808' 0" 812' 0" 816' 0" 820' 0" 824' 0" 828' 0" 832' 0" 836' 0" 840' 0" 844' 0" 848' 0" 852' 0" 856' 0" 860' 0" 864' 0" 868' 0" 872' 0" 876' 0" 880' 0" 884' 0" 888' 0" 892' 0" 896' 0" 900' 0" 904' 0" 908' 0" 912' 0" 916' 0" 920' 0" 924' 0" 928' 0" 932' 0" 936' 0" 940' 0" 944' 0" 948' 0" 952' 0" 956' 0" 960' 0" 964' 0" 968' 0" 972' 0" 976' 0" 980' 0" 984' 0" 988' 0" 992' 0" 996' 0" 1000' 0"

18x7



WOOD JAMB ATTACHMENT TO STRUCTURE
 1. ALL JAMBS SHALL BE ATTACHED TO THE STRUCTURE BY MEANS OF 3\"/>



SECTION A-A (SIDE VIEW)
 1. ALL JAMBS SHALL BE ATTACHED TO THE STRUCTURE BY MEANS OF 3\"/>

MAX SIZE	18' x 7'
DESIGN LOADS	+21.6 PSF -24.3 PSF
TEST LOADS	+32.4 PSF -36.7 PSF
TEST METHOD	ASTM E 1887
DATE	10/10/03
BY	10/10/03
PROJECT	10/10/03



Amart
 1000 STRATFORD W/ DURA-SAFE
 MODEL 950 HEMLOCK V/ DURA-SAFE
 SHORT PANEL, LONG PANEL AND FLUSH PANEL
 DATE 10/10/03
 INC-6018-120-15
 DRAWING NO. 10/10/03

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR

**FLORIDA BUILDING CODE 2001
ONE (1) AND TWO (2) FAMILY DWELLINGS**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

- WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.
1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE 100 MPH
 2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE 110 MPH
 3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant

Plans Examiner

All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.

Site Plan including:

- a) Dimensions of lot
- b) Dimensions of building set backs
- c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
- d) Provide a full legal description of property.

Wind-load Engineering Summary, calculations and any details required

- a) Plans or specifications must state compliance with FBC Section 1606
- b) The following information must be shown as per section 1606.1.7 FBC:

- a. Basic wind speed (MPH)
- b. Wind importance factor (I) and building category
- c. Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
- d. The applicable internal pressure coefficient
- e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional

Elevations including:

- a) All sides
- b) Roof pitch
- c) Overhang dimensions and detail with attic ventilation
- d) Location, size and height above roof of chimneys
- e) Location and size of skylights
- f) Building height
- e) Number of stories

See Note 2

Floor Plan including:

- a) Rooms labeled and dimensioned
- b) Shear walls
- c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- f) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

- a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling
- d) Location of any vertical steel

Roof System:

- a) Truss package including:
 - 1. Truss layout and truss details signed and sealed by FI. Pro. Eng.
 - 2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- b) Conventional Framing Layout including:
 - 1. Rafter size, species and spacing
 - 2. Attachment to wall and uplift
 - 3. Ridge beam sized and valley framing and support details
 - 4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- a) Masonry wall
 - 1. All materials making up wall
 - 2. Block size and mortar type with size and spacing of reinforcement
 - 3. Lintel, tie-beam sizes and reinforcement
 - 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
 - 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
 - 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
 - 7. Fire resistant construction (if required)
 - 8. Fireproofing requirements
 - 9. Shoe type of termite treatment (termicide or alternative method)
 - 10. Slab on grade
 - a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
 - 11. Indicate where pressure treated wood will be placed
 - 12. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termicide or alternative method)
11. Slab on grade
- a. Vapor retardant (6Mil. Polyethylene with joints lapped 6 inches and sealed
- b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

- c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout

- Electrical layout including:**
- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
 - b) Ceiling fans
 - c) Smoke detectors

- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms

HVAC information

- a) Manual J sizing equipment or equivalent computation
- b) Exhaust fans in bathroom

Energy Calculations (dimensions shall match plans)

- Gas System** Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

***Notice Of Commencement Required Before Any Inspections Will Be Done

Private Potable Water

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)

4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is \$50.00

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE - TIME WILL NOT ALLOW THIS - PLEASE DO NOT ASK

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE

COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR

AN APPOINTMENT TIME AND DATE:

YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE

TELEPHONE. MUST MAKE AN APPOINTMENT!

THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY

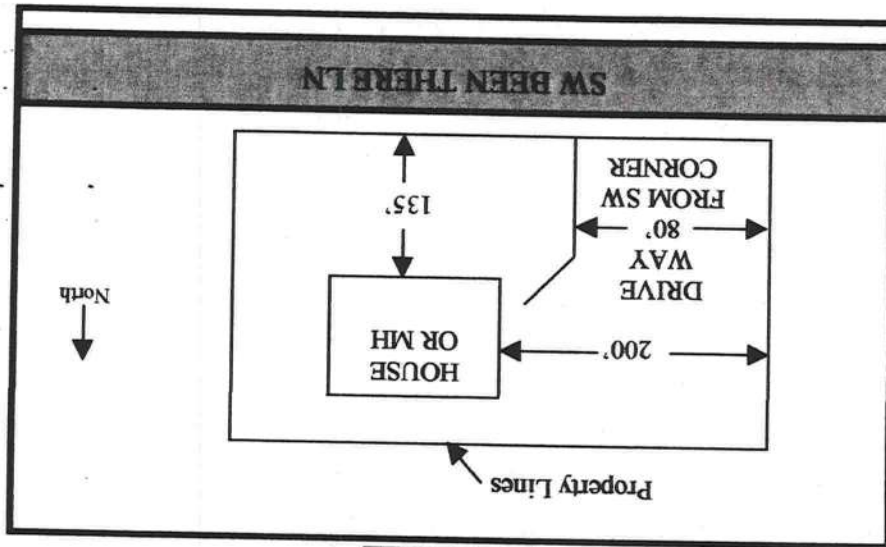
EMERGENCY OPERATIONS CENTER).

THE REQUESTER WILL NEED THE FOLLOWING:

1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123") FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.

- a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
- b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
- c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.