

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:1SSY487-Z0214131411

Truss Fabricator: Anderson Truss Company
Job Identification: 5-524-ERKINGER - #6 BLK B PLANTATION ESTATES
Truss Count: 51
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.04, 7.22.
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
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

Seal Date: 12/14/2005

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

#	Ref	Description	Drawing#	Date
1	85244--A1		05347054	12/13/05
2	85245--A2		05347086	12/13/05
3	85246--A3		05347055	12/13/05
4	85247--A4		05347056	12/13/05
5	85248--A5		05347057	12/13/05
6	85249--A6		05347058	12/13/05
7	85250--A7		05347059	12/13/05
8	85251--A8		05347060	12/13/05
9	85252--A9		05347061	12/13/05
10	85253--AMG		05347062	12/13/05
11	85254--B1		05347063	12/13/05
12	85255--B2		05347038	12/13/05
13	85256--B3		05347039	12/13/05
14	85257--B4		05347040	12/13/05
15	85258--C1		05347064	12/13/05
16	85259--C2		05347041	12/13/05
17	85260--C3		05347042	12/13/05
18	85261--C4		05347043	12/13/05
19	85262--C5		05347044	12/13/05
20	85263--C6		05347065	12/13/05
21	85264--D1		05347066	12/13/05
22	85265--D2		05347045	12/13/05
23	85266--D3		05347046	12/13/05
24	85267--D4		05347047	12/13/05
25	85268--D5		05347048	12/13/05
26	85269--D6		05347067	12/13/05
27	85270--D7		05347068	12/13/05
28	85271--D8		05347069	12/13/05
29	85272--D9		05347070	12/13/05
30	85273--D10		05347071	12/13/05
31	85274--D11		05347072	12/13/05
32	85275--D12		05347073	12/13/05
33	85276--D13		05347074	12/13/05
34	85277--D14		05347075	12/13/05
35	85278--D15		05347076	12/13/05
36	85279--D16		05347049	12/13/05

#	Ref	Description	Drawing#	Date
37	85280--D17		05347077	12/13/05
38	85281--HJ7		05347087	12/13/05
39	85282--EJ7		05346001	12/12/05
40	85283--EJ7A		05347050	12/13/05
41	85284--EJ7D1		05347078	12/13/05
42	85285--EJ7D2		05347051	12/13/05
43	85286--HJA		05347079	12/13/05
44	85287--JA1		05347080	12/13/05
45	85288--JA2		05347081	12/13/05
46	85289--J5		05347082	12/13/05
47	85290--J3		05347083	12/13/05
48	85291--J1		05347084	12/13/05
49	85292--JK		05347052	12/13/05
50	85293--K1		05347085	12/13/05
51	85294--K2		05347053	12/13/05



Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID:ISSY487-Z0214131411

Truss Fabricator: Anderson Truss Company
Job Identification: 5-524-ERKINGER - #6 BLK B PLANTATION ESTATES (5-524)-ERKINGER - #6 BLK B PLANTATION ESTATES
Truss Count: 2
Model Code: Florida Building Code
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.04, 7.22.
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
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

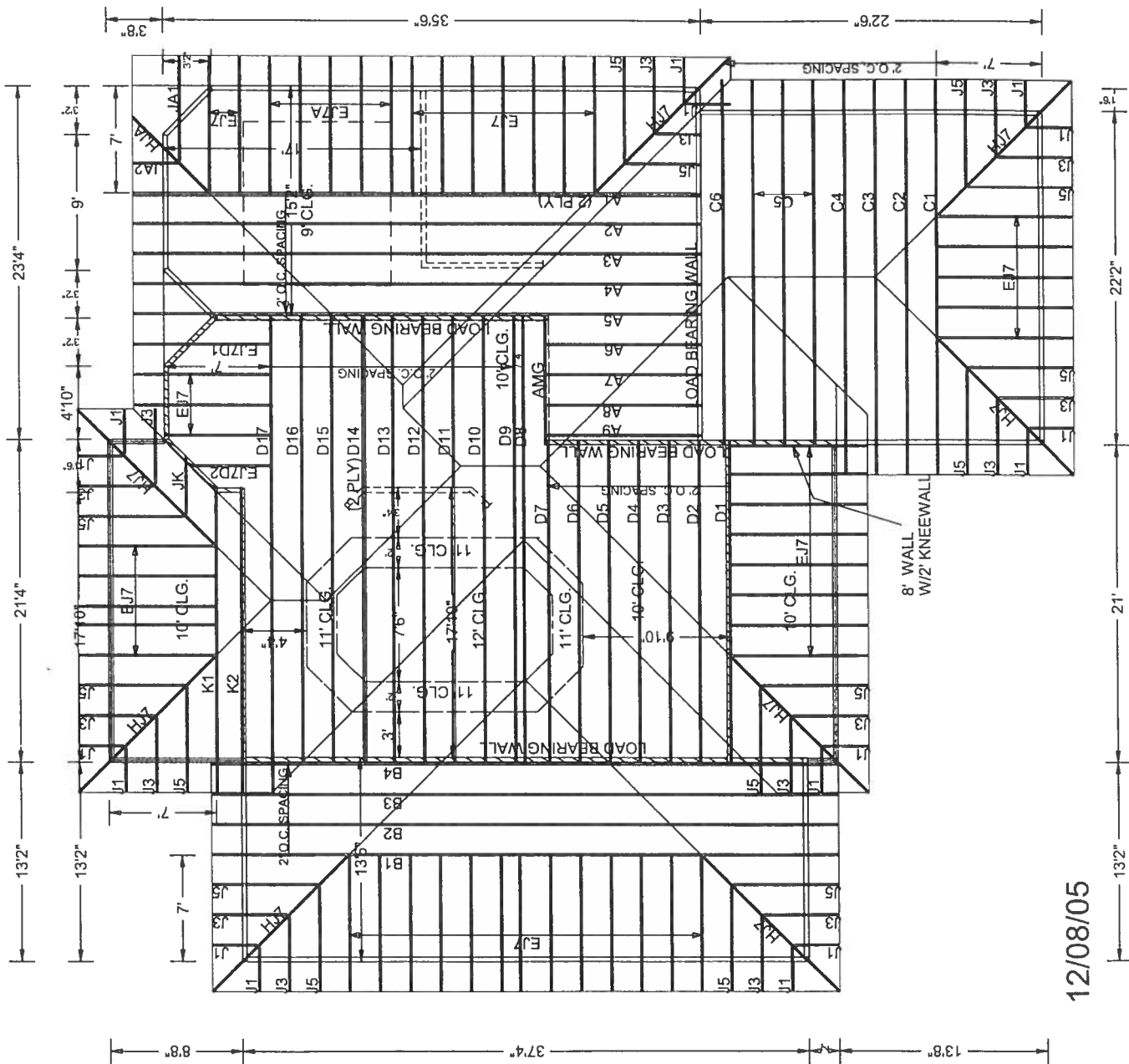
Seal Date: 12/14/2005

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	85283--EJ7A		05347050	12/13/05
2	85292--JK		05347052	12/13/05





12/08/05

#5-524 ERKINGER BUILDERS - LOT #6 BLOCK B PLANTATION ESTATES

Scale: 3/32" = 1'

754-5555
623-0751

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

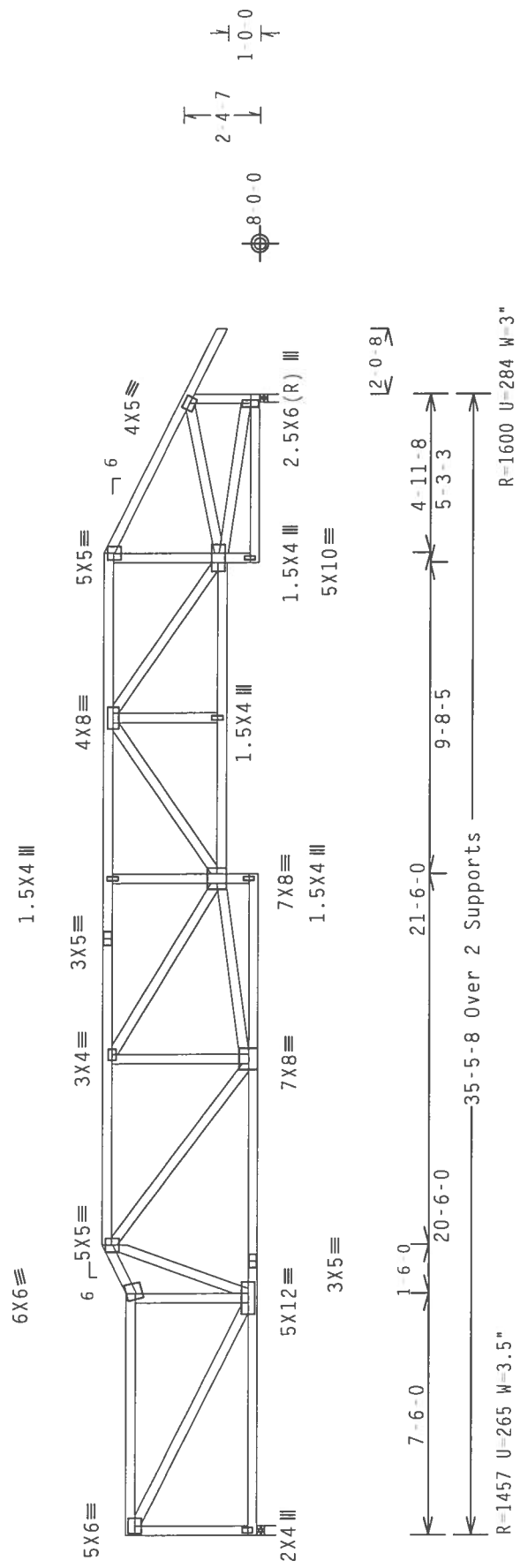
1110 mph wind, 11.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

Left end vertical not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.21" DL: 0.33" recommended camber 1/2"

Right end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC

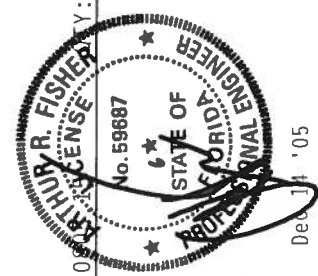
Cq/RT=1.00(1.25) / 10(0) 7.04.09

PLT TYP. Wave

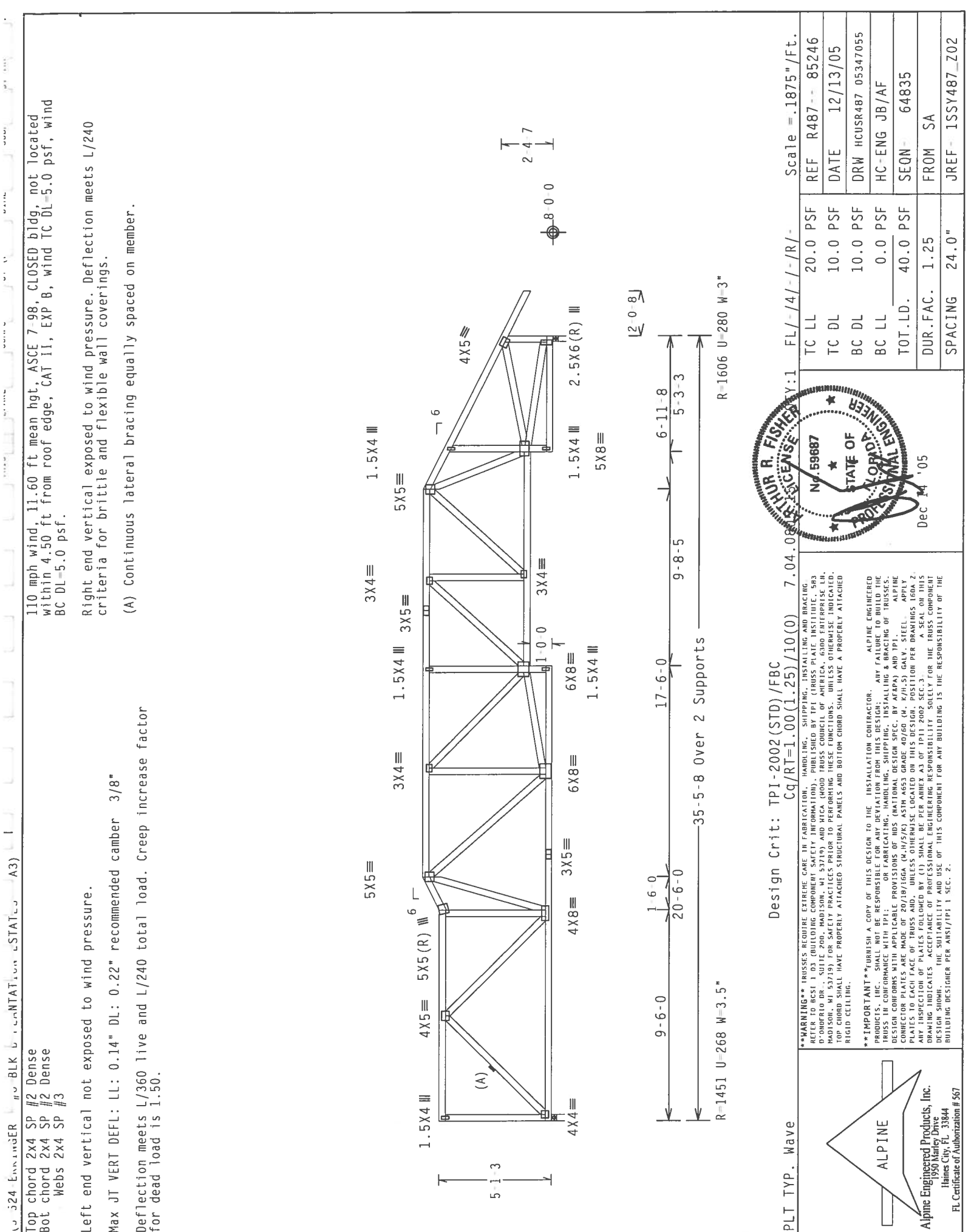
Scale = .1875" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPT (TRUSS PLATE INSTITUTE, 583 D'DONOFIO RD., SUITE 200, MADISON, WI 53719) AND VICA (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 1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTOR PLATES AND TIE-RODS TO MEET THE DESIGN SPEC. BY KRALPAI AND PETERSON STEEL COMPANY. ALL TRUSS AND CONNECTOR PLATE ARE MADE OF 20618/1624 HENKELS HYPERMIL 70 STEEL. ALL TRUSS CHORDS AND END PLATES TO FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX/TPI 1 SEC. 2.



TC LL	20.0	PSF	REF R487 - - 85245
TC DL	10.0	PSF	DATE 12/13/05
BC DL	10.0	PSF	DRW HCURSR487 05347086
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN - 64846
DUR.FAC.	1.25		FROM SA
SPACING	24.0"		JREF - 1SSY487 Z02



110 mph wind, 11.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

(A) Continuous lateral bracing equally spaced on member.

Left end vertical not exposed to wind pressure.

Max JT VERT DEF: LL: 0.14" DL: 0.22" recommended camber 3/8"

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cg/RT=1.00(1.25)/10(0) 7.04.08

Scale = .1875"/Ft.

REF R487 -- 85246

DATE 12/13/05

DRW HCUSR487 05347055

HC-ENG JB/AF

SEQN 64835

FROM SA

JREF 1SSY487_Z02

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"

ALPINE

Alpine Engineered Products, Inc.

1950 Marley Drive

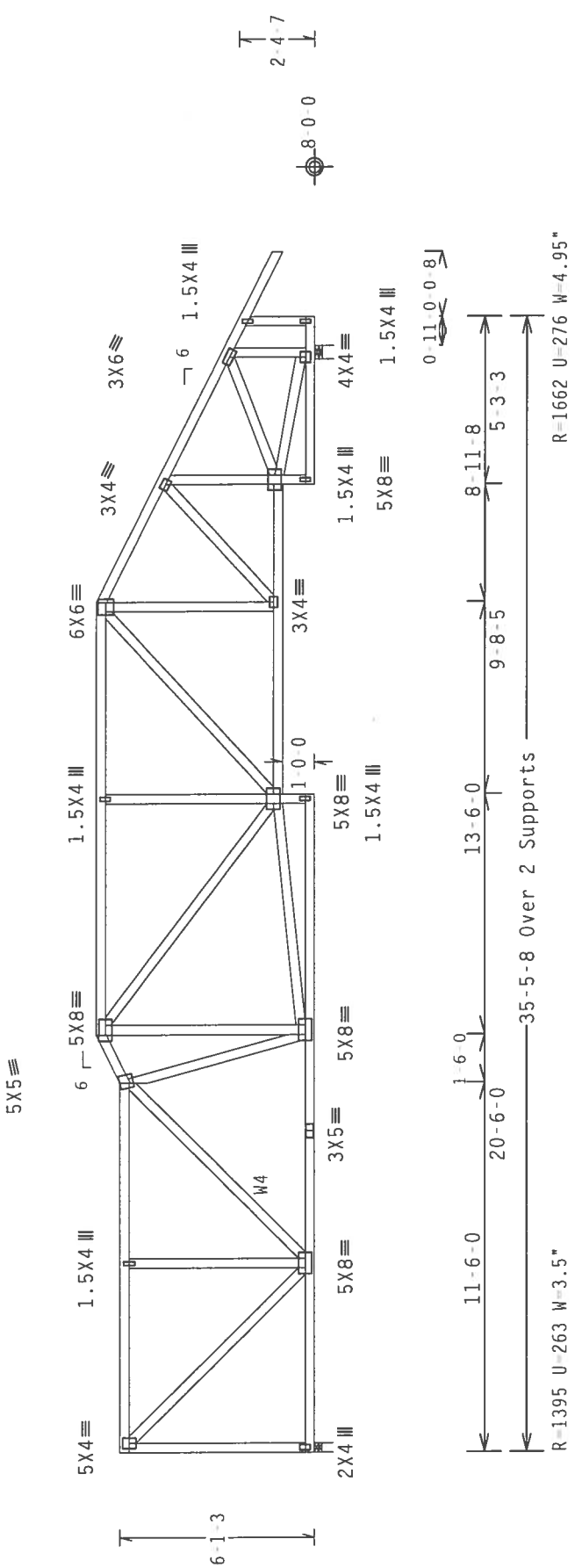
Titusville, FL 32784

FL Certificate of Authorization # 567

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 : W4 2x4 SP #2 Dense:

Left end vertical not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Right end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.



PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0

Scale = .1875" / Ft.

110 mph wind, 12.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 : W4 2x4 SP #2 Dense:

Left end vertical not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

5X5

5X4

1.5X4

5X8

3X5

5X8

1.5X4

5X8

3X4

6X6

1.5X4

3X6

2X4

5X8

3X5

5X8

1.5X4

5X8

1.5X4

4X4

1.5X4

5X8

1.5X4

6'-1-3

11'-6-0

20'-6-0

13'-6-0

9'-8-5

8'-11-8

5'-3-3

0'-11-0-8

6'-0-0

2'-4-7

R-1395 U-263 W-3.5"

R-1662 U-276 W-4.95"

ALPINE

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

ARTHUR R. FISHER, P.E.
No. 59887
STATE OF FLORIDA
Professional Engineer

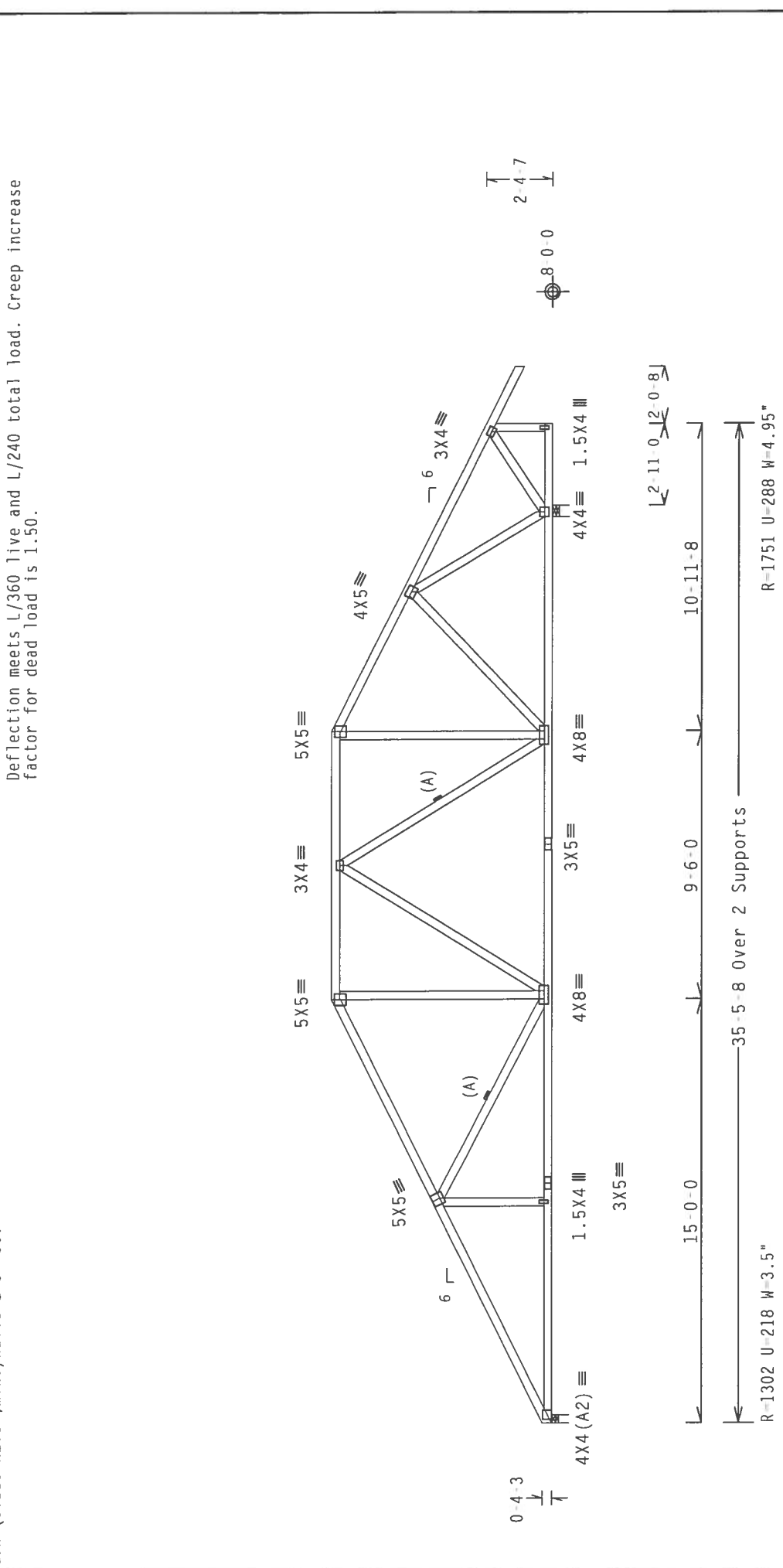
Dec 11 '05

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 - 85247
DATE 12/13/05
DRW HCUSR487 05347056
HC-ENG JB/AF
SEQN- 64816
FROM SA
JREF- 1SSV487_Z02

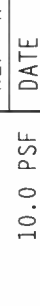
110 mph wind, 12.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member. Or 1x4 SP #3 or better "I" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.



Design Crit: TPI-2002(STD)/FBC

PLT TYP.	Wave	Cq/RT=1.00(1.25)/10(0)	7.04.000	QTY:1	FL/-4/-/R/-	Scale =.1875"/Ft.
PLT	Wave					



ALPINE
Engineered Products, Inc.
9590 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 BC51 (1-03) (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPTI (RUSS PLASTIC INSTITUTE), 593 WEST 10TH AVENUE, SUITE 100, DENVER, CO 80202, FOR THE LATEST REVISIONS OF THIS SPECIFICATION. IN ADDITION, 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 IPTI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS, NATIONAL DESIGN SPEC., BY A/RP/A AND IPTI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (.04/.05/.03) ASTM A653 GRADE 40/60 (N, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED. 11-2006 SPEC. FOR THE TRUSS COMPANY'S DRAWING TOOLCHAINS. ACCEPTANCE PROFESSIONAL SEALING REQUIRED. ACCEPTANCE OF THIS SPECIFICATION FOR THE TRUSS COMPANY'S DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AR51/IPTI 1 SEC. 2.

DATE: 12/13/05

REF: R487 -- 85248

DATE: 12/13/05

DRW: HCUSR487 05347057

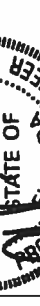
HC-ENG: JB/AF

SECN: 64803

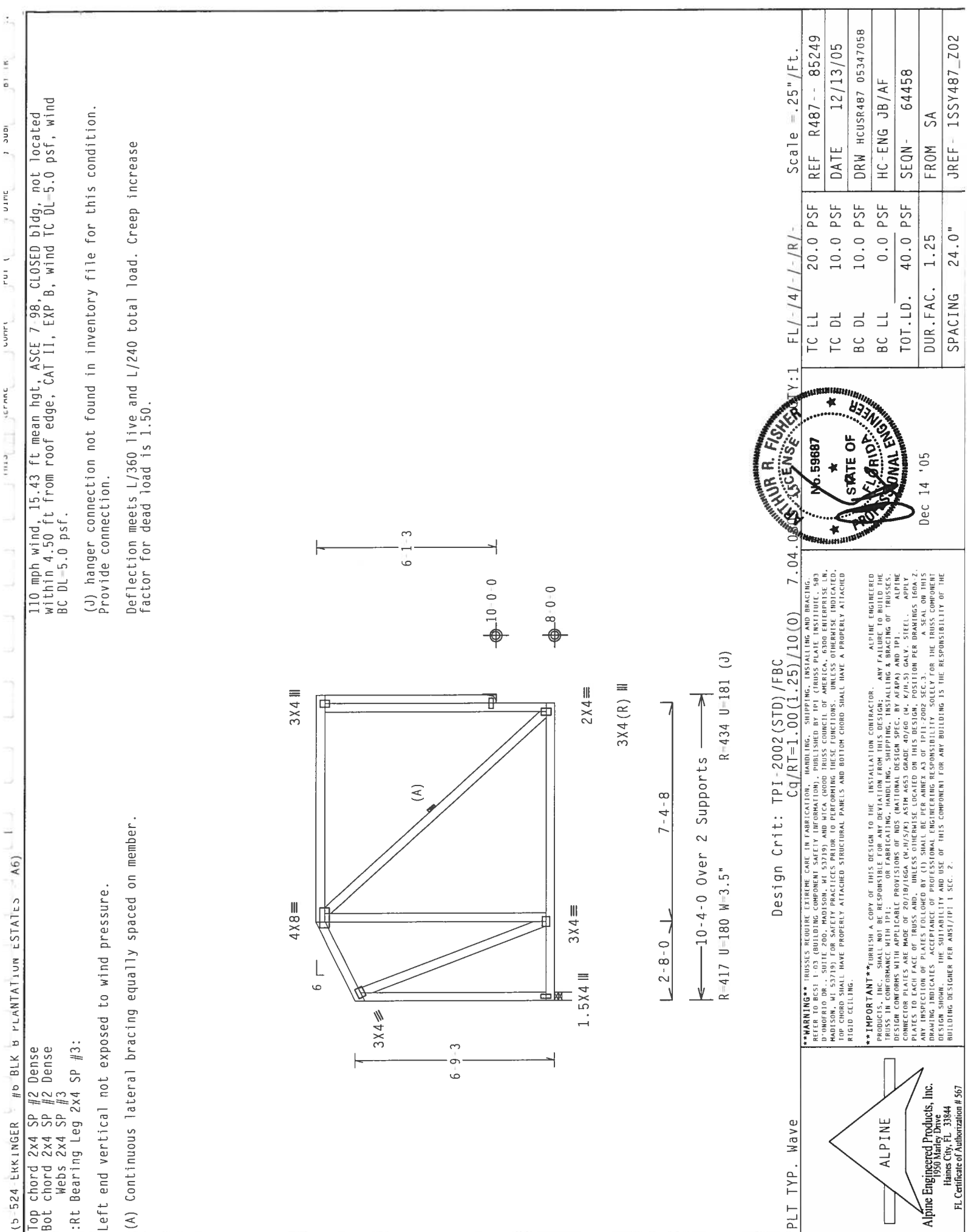
FROM: SA

JREF: 1SSV487_Z02

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BC LL	0.0	PSF	HC-ENG	JB/AF
TOT. LD.	40.0	PSF	SECN	64803
DUR. FAC.	1.25		FROM	SA
SPACING	24.0"		JREF	1SSV487_Z02



NO. 59887
STATE OF FLORIDA
PROFESSIONAL ENGINEER
J.B. JONES
DEC 14 '05



110 mph wind, 15.43 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

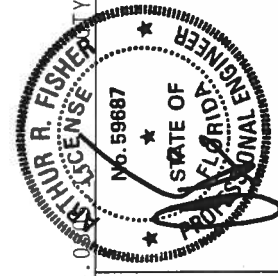
(J) hanger connection not found in inventory file for this condition. Provide connection.

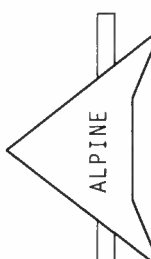
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x4 SP #3:

Left end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.



PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)		7.04.00	FL/-4/-1/-R/-	Scale = .25"/Ft.
 Alpine Engineering 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 BESS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'AMORIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., DUNDAS ST. E., SUITE 100, SCARBOROUGH, ONTARIO, CANADA M1V 4Y7) FOR BEST PRACTICES FOR PERFORMING THESE CONDITIONS. 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 (W-H/S) ASTM A653 GRADE 40/60 (4. K/M-S) GALV. STEEL. APPLIES 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 AMERX AS OF 1/11/2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTED PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. SIGNATURE OF THE SUBMITTER AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER A051/1/1 SEC. 2.				
	DEC 14 '05				
	NO. 59887 STATE OF FLORIDA PROFESSIONAL ENGINEER KATHARINE R. FISHER LICENSE				
	TC LL 20.0 PSF REF R487 -- 85249				
	TC DL 10.0 PSF DATE 12/13/05				
BC DL 10.0 PSF DRW HCUSR487 05347058					
BC LL 0.0 PSF HC-ENG JB/AF					
TOT.LD. 40.0 PSF SEQN - 64458					
DUR.FAC. 1.25 FROM SA					
SPACING 24.0" JREF - 1SSV487_Z02					

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCES 1.03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSSES, INC., 1000 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x4 SP #3:

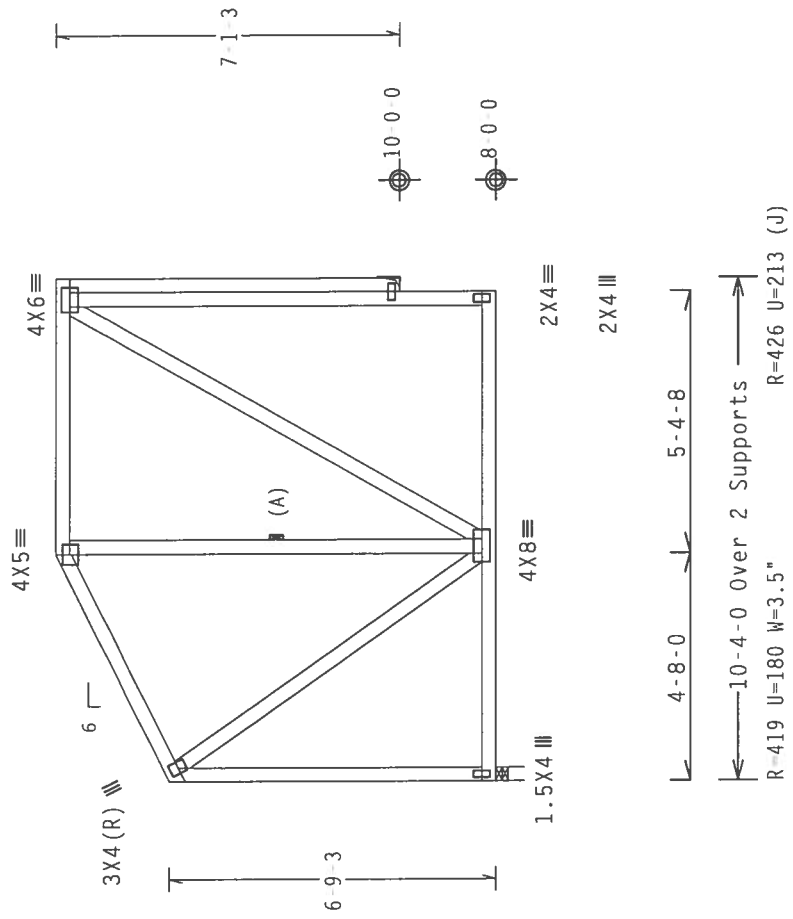
Left end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

110 mph wind, 15.93 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

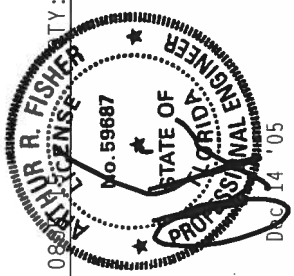
Scale = .25"/Ft.

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/10GA (M-H/S/K) ASTM A653 GRADE 40/60 (M. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) DESIGN, SHOWING THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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



TC LL	20.0 PSF	REF R487--	85250
TC DL	10.0 PSF	DATE	12/13/05
BC DL	10.0 PSF	DRW	HCUSR487 05347059
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON-	64468
DUR.FAC.	1.25	FROM	SA
SPACING	24.0"	JREF-	1SSV487_Z02

524 EKKINGER #0 BLK 6 PLANTATION (STATS AB)
 Top chord 2x4 SP #2 Dense
 Bot chord 2x4 SP #2 Dense
 Webs 2x4 SP #3
 :Rt Bearing Leg 2x4 SP #3:
 Left end vertical not exposed to wind pressure.
 (A) Continuous lateral bracing equally spaced on member.

110 mph wind, 16.43 ft mean hgt, ASCE 7 98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
 (J) hanger connection not found in inventory file for this condition. Provide connection.
 Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

PLT TYP. Wave
 Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/10(0) 7.04.08

Scale = .1875"/ft.

REF R487-- 85251
 DATE 12/13/05
 DRW HCUSR487 05347060
 HC-ENG JB/AF
 SEQN- 64481
 FROM SA
 JREF- 1SSY487_Z02

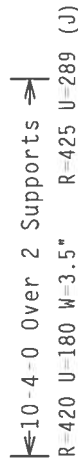
WARNING TRUSSES REQUIRE EXTERIOR CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 183 D'ORFORD DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BL, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

Dec 14 '05

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 APA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-H/S/K) ASTM A653 GRADE 40/60 (H. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 13. A SEAL ON THIS DRAWING INDICATES THE SUFFICIENCY OF THE DESIGN FOR THE BUILDING. THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

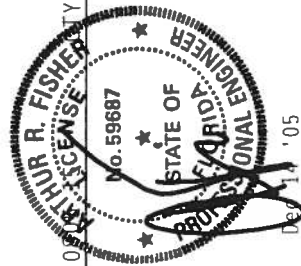
Haines City, FL 33844
 FL Certificate of Authorization # 567

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Design Crit: $\text{TPI} - 2002(\text{STD})/\text{FBC}$
 $\text{Ca}/\text{RT} = 1.00(1.25)/$

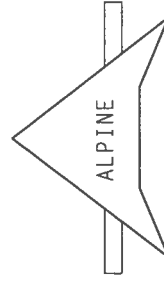
Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487 --	85252
TC DL	10.0 PSF	DATE	12/13/05	
BC DL	10.0 PSF	DRW	HCUSR487	05347061
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	64492	
DUR.FAC.	1.25	FROM	SA	
SPACING	24.0"	JREF-	1SSV487	Z02

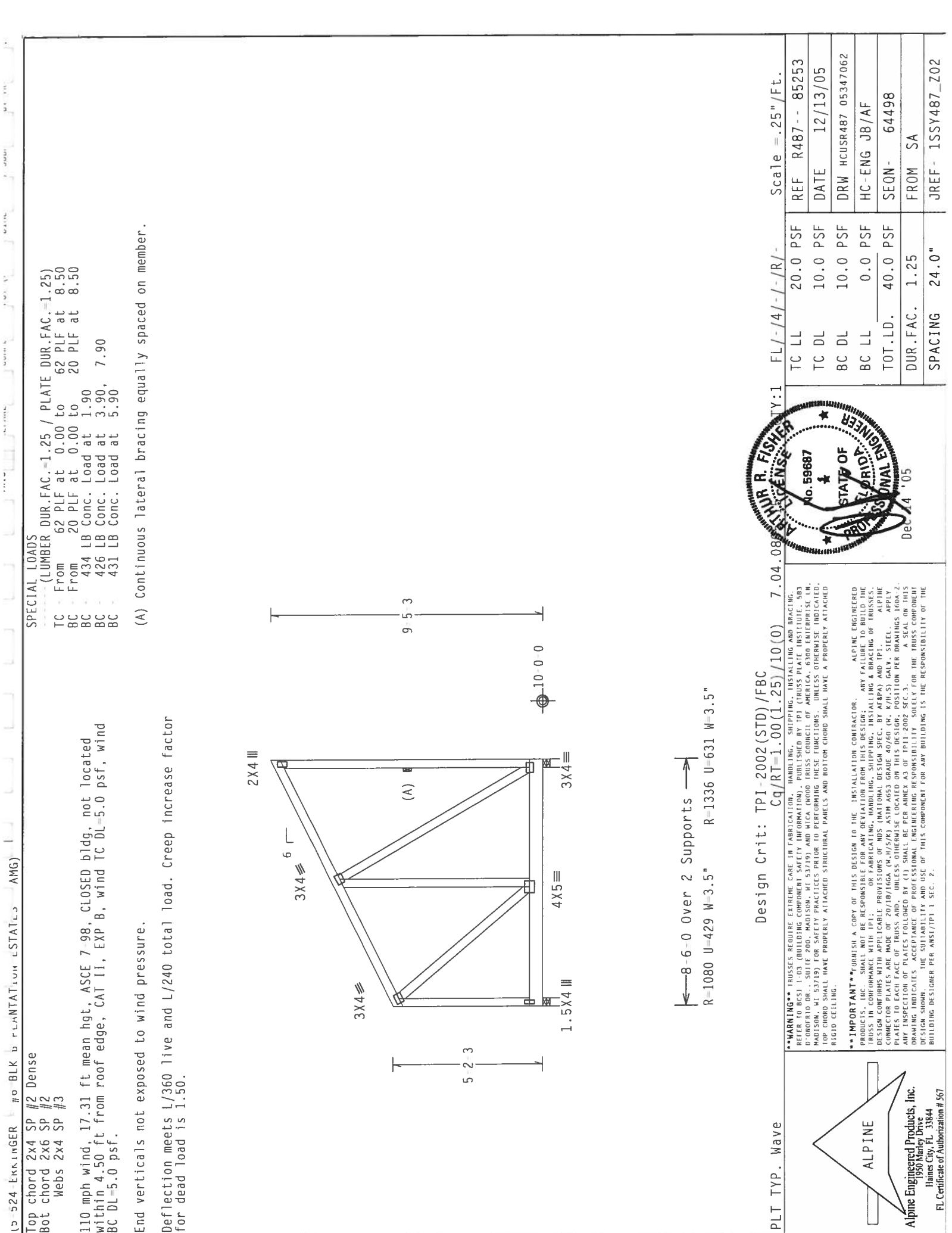


****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS 1 DO BUILDING COMPONENTS SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 583 MADISON, MA 02131 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED BRIDGE CELLING.

IMPORTANT *TUNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS
PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES,
DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AISI (NATIONAL DESIGN SPEC., BY AISC) AND TPI.
ALPINE ENGINEERS SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL TRUSSES, INCLUDING BUT NOT LIMITED TO:
PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER BRACINGS FROM 2
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI 2002 SEC 3. A SEAL ON THE
DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
DESIGN SHOWN HEREIN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE



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



Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

110 mph wind, 17.31 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Special Loads
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 8.50
BC - From 20 PLF at 0.00 to 20 PLF at 8.50
BC - 434 LB Conc. Load at 1.90
BC - 426 LB Conc. Load at 3.90, 7.90
BC - 431 LB Conc. Load at 5.90

(A) Continuous lateral bracing equally spaced on member.

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08
Scale = .25"/Ft.

PLT TYP. Wave	FL / - / 4 / - / - / R / -	Scale = .25" / Ft.
REF R487 - 85253	TC LL 20.0 PSF	
DATE 12/13/05	TC DL 10.0 PSF	
DRW HCUSR487 05347062	BC DL 10.0 PSF	
HC-ENG JB/AF	BC LL 0.0 PSF	
SEON - 64498	TOT.LD. 40.0 PSF	
FROM SA	DUR.FAC. 1.25	
JREF - 1SSV487_Z02	SPACING 24.0"	

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-H/S/K) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. SUPPORTS SHALL BE PLACED TO PROVIDE PROPER BRACING FOR THE TRUSS COMPONENTS. DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08
Scale = .25" / Ft.

REF R487 - 85253
DATE 12/13/05
DRW HCUSR487 05347062
HC-ENG JB/AF
SEON - 64498
FROM SA
JREF - 1SSV487_Z02

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"

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

PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08
Scale = .25" / Ft.

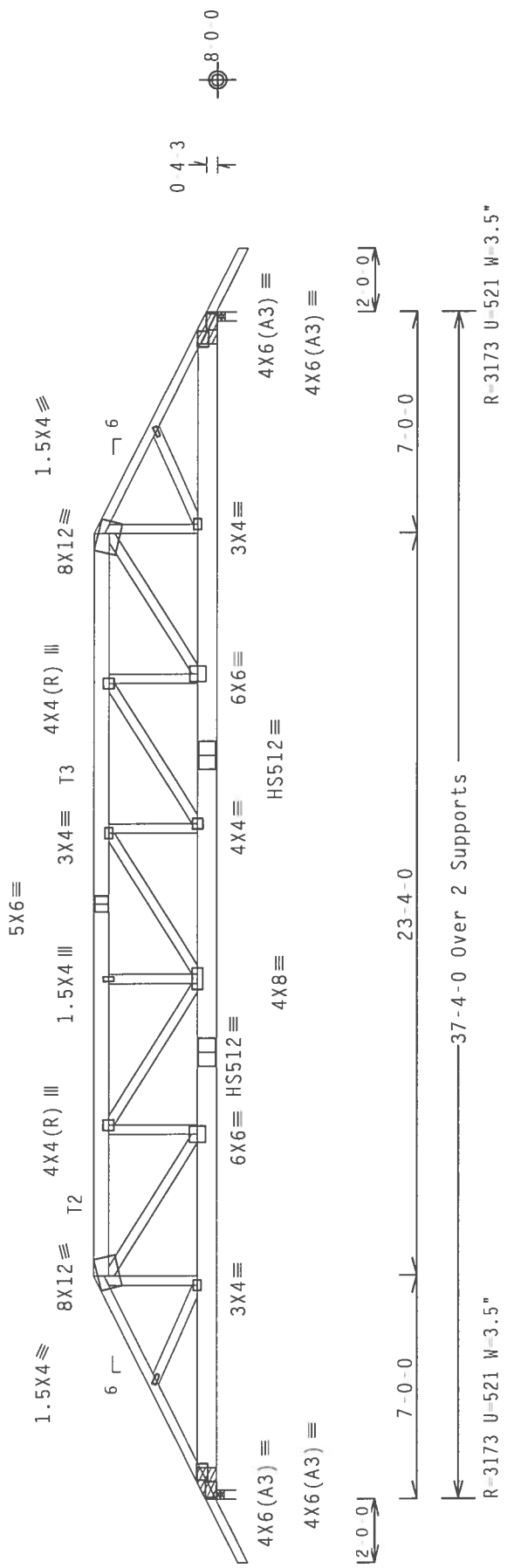
REF R487 - 85253
DATE 12/13/05
DRW HCUSR487 05347062
HC-ENG JB/AF
SEON - 64498
FROM SA
JREF - 1SSV487_Z02

Bearing blocks: Nail type: 12d Common (0.148"x3.25", min.) nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
1 0.000' 1 12" 4 Match Truss
2 37.042' 1 12" 4 Match Truss
Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGLK1103 for additional information.

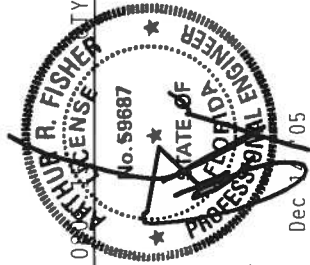
#1 hip supports 7'-0" jacks with no webs.
Calculated vertical deflection is 0.41" due to live load and 0.65" due to dead load at X = 16'-3.10".

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:
Bot chord 2x8 SP SS
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-5.0 psf, wind BC DL-5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. 20 Gauge HS, Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.00



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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. APPLY CONNECTION PLATES ARE MADE OF 2018/16GA (N.H/S/K) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TOP CHORD AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. LOADS SHALL BE APPLIED TO THE TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

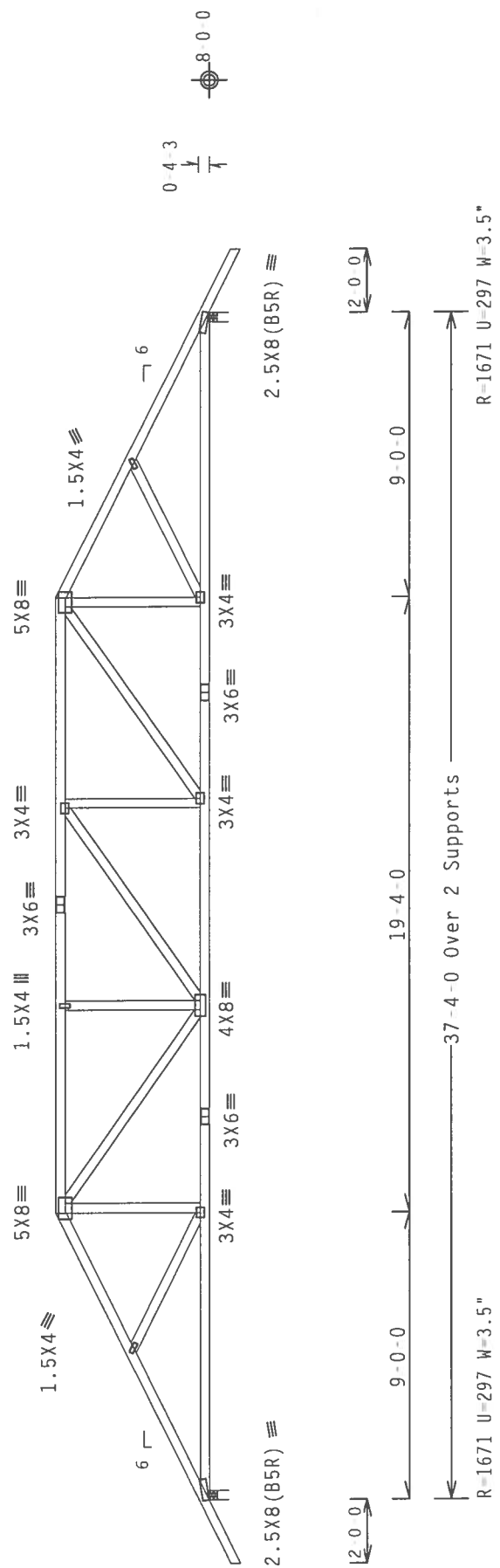
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

TC LL	20.0 PSF	FL / - / 4 / - / - / R / -	Scale = .1875" / Ft.
TC DL	10.0 PSF		REF R487 - 85254
BC DL	10.0 PSF		DATE 12/13/05
BC LL	0.0 PSF		DRW HCUSR487 05347063
TOT.LD.	40.0 PSF		HC-ENG JB/AF
DUR.FAC.	1.25		SEQN - 64196
SPACING	24.0"		FROM SA
			JREF - 1SSY487_Z02

110 mph wind, 10.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

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. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

Scale = .1875" / Ft.

TC LL	20.0 PSF	REF R487-- 85255
TC DL	10.0 PSF	DATE 12/13/05
BC DL	10.0 PSF	DRW HCUSR487 05347038
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 64203
DUR.FAC.	1.25	FROM SA
SPACING	24.0"	JREF- 1SSY487_Z02

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

THUR A. FISHER
Professional Engineer
No. 59687
STATE OF FLORIDA
December '05

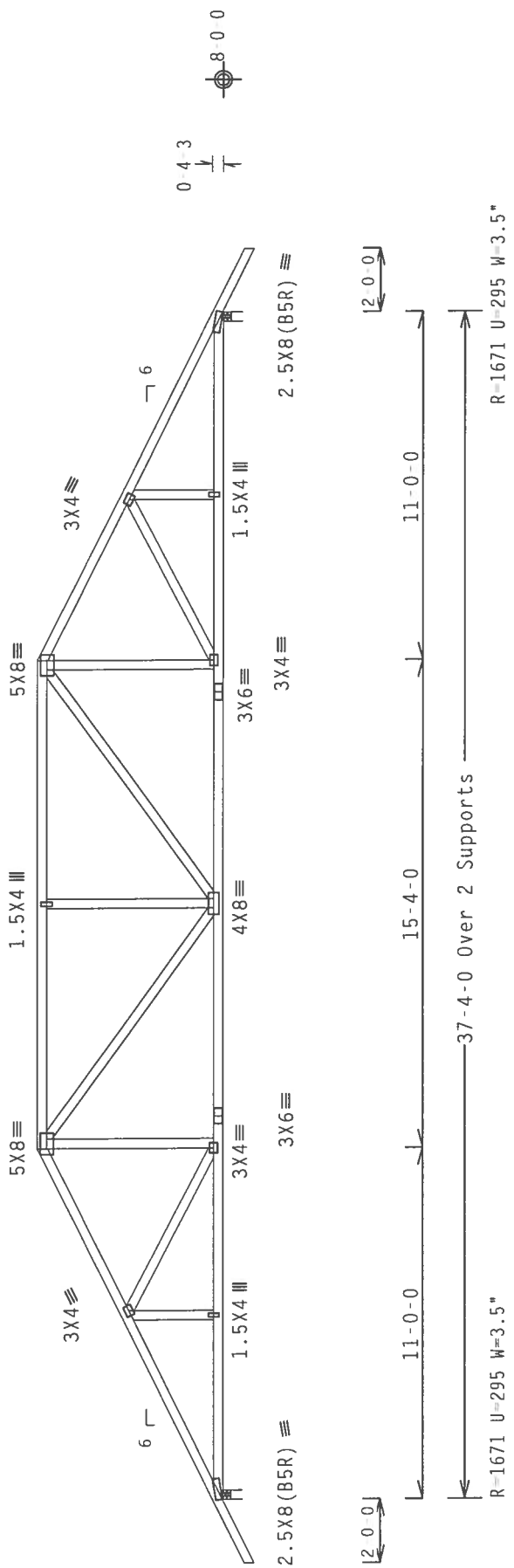
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSSES SHALL BE INSTALLED IN ACCORDANCE WITH THE TPI TRUSS PLATE INSTRUCTIONS. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/16GA (W-17/5/4) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/16GA (W-17/5/4) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

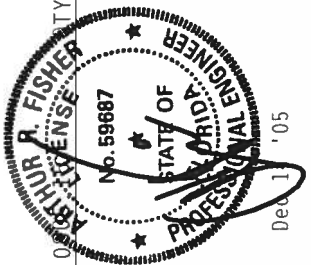
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 10.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



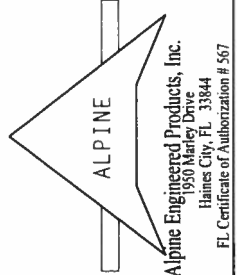
Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0

PLT TYP. Wave	TY: 1	FL/-/4/-/R/-	Scale = .1875" / Ft.
	TC LL	20.0 PSF	REF R487-- 85256
	TC DL	10.0 PSF	DATE 12/13/05
	BC DL	10.0 PSF	DRW HCUSR487 05347039
	BC LL	0.0 PSF	HC-ENG JB/AF
	TOT.LD.	40.0 PSF	SEQN- 64213
	DUR.FAC.	1.25	FROM SA
	SPACING	24.0"	JREF- 1SSV487_Z02



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

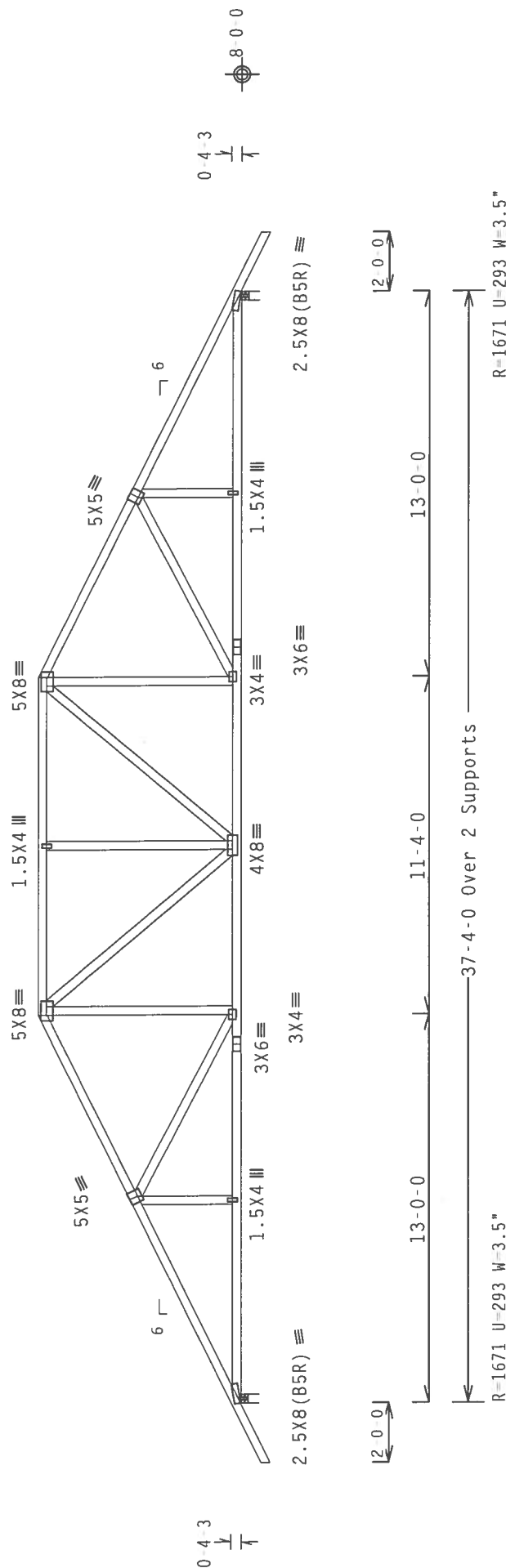
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/18716GA (M-17/5/8) ASTM A653 GRADE 40/60 (M, K/H/S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE PER ANNE 03 OF TPI 2002 SEC. 3.1. ANY DEVIATION FROM 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.



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

110 mph wind, 11.10 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

Scale = .1875"/Ft.

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

PLT TYP. Wave

WARNING: HOUSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (CRISTALL PLATE INSTITUTE, 5403 KENNEDY DR., SUITE 200, MADISON, WI 53719), AND NICA (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 RIGID CEILING.

*****IMPORTANT***** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DESIGNING ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS, NATIONAL DESIGN SPEC. FOR STEEL CONSTRUCTION, AND THE CONNECTOR PLATES ARE MADE OF 2018/16GA. (1/4"X2") ASTM A563 GRADE 40/50 (41 K/51.5) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN OF 1911-2002 SEC. 3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABLE AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMERICAN OF 1911-2002 SEC. 2.

TC LL	20.0 PSF
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ON, HANDLING, SHIPPING, INSTALLING AND BRACING.
(LOW), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FAB
REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY IN

NO. 35067 / TC DL 10.0 PSE

(WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN.,
PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED,

D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND
MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO

STATE OF

LS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED

TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL RIGID CEILING.

NEVER
FORGIVE
A PROBLEM

INSTALLATION CONTRACTOR. ALPINE ENGINEERED

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE ARCHITECT. CALL NOT BE RESPONSIBLE FOR ANY

BC LL 0.0 PSF

ATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE
HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
TIONAL DESIGN SPEC. BY AFAPA) AND TPI. ALPINE

ALPINE _____

TOT.LD. 40.0 PSF

A653 GRADE 40/60 (W, K/H.S) GALV. STEEL. APPLY
LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H./S.K.) PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE

DUR. FAC. 1.25

ANNEX A3 OF TPII-2002 SEC.3. A SEAL ON THIS
 WRITING RESPONSIBLY SOLELY FOR THE TRUSS COMPONENT

Alpine Engineered Products, Inc.
1050 Marlow Drive
✓

SPACING	24.0"
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MENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

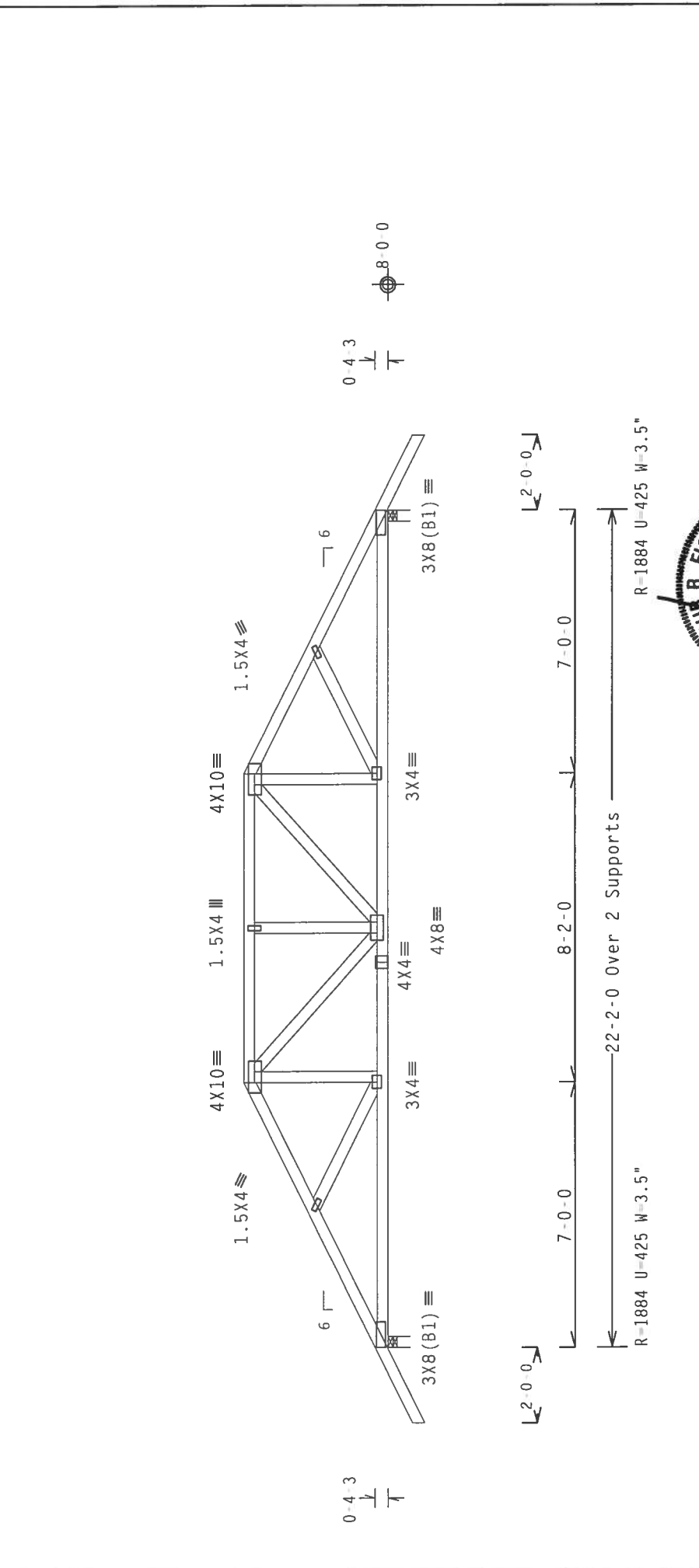
1700 Manley Drive
Haines City, FL 33844

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

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

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

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

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.05

Scale = .25"/Ft.

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

REF R487-- 85258
DATE 12/13/05
DRW HCUSR487 05347064
HC-ENG JB/AF
SEON- 64025
FROM SA
JREF- 1SSV487_Z02

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

Dec 14, 05

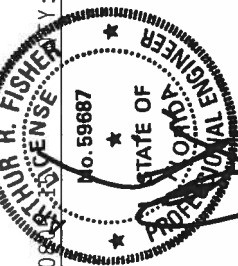
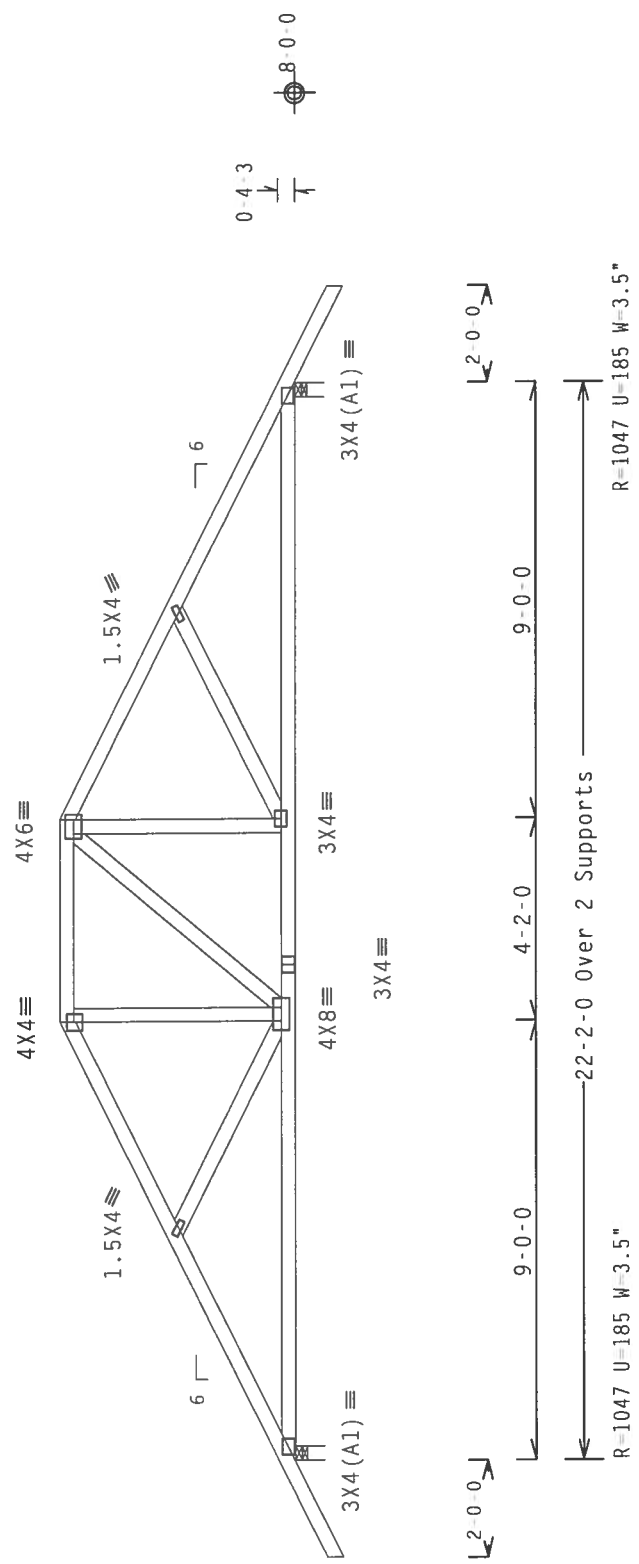
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 DORCHESTER DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-1/5/7/8) ASTM A653 GRADE 40/40 (N. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. DRAWING INDICATES THE 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 AIA/TPI 1 SEC. 2.

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

110 mph wind, 10.10 ft mean hgt, ASCE 7-98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor
for dead load is 1.50.



PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0) 7.04.08 Scale = .25"/Ft. <table><tr><td>TC LL</td><td>20.0 PSF</td><td>REF R487-- 85259</td></tr><tr><td>TC DL</td><td>10.0 PSF</td><td>DATE 12/13/05</td></tr><tr><td>BC DL</td><td>10.0 PSF</td><td>DRW HCUSR487 05347041</td></tr><tr><td>BC LL</td><td>0.0 PSF</td><td>HC-ENG JB/AF *</td></tr><tr><td>TOT.LD.</td><td>40.0 PSF</td><td>SEON- 64032</td></tr><tr><td>DUR.FAC.</td><td>1.25</td><td>FROM SA</td></tr><tr><td>SPACING</td><td>24.0"</td><td>JREF- 1SSY487_Z02</td></tr></table>	TC LL	20.0 PSF	REF R487-- 85259	TC DL	10.0 PSF	DATE 12/13/05	BC DL	10.0 PSF	DRW HCUSR487 05347041	BC LL	0.0 PSF	HC-ENG JB/AF *	TOT.LD.	40.0 PSF	SEON- 64032	DUR.FAC.	1.25	FROM SA	SPACING	24.0"	JREF- 1SSY487_Z02	 Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567
TC LL	20.0 PSF	REF R487-- 85259																				
TC DL	10.0 PSF	DATE 12/13/05																				
BC DL	10.0 PSF	DRW HCUSR487 05347041																				
BC LL	0.0 PSF	HC-ENG JB/AF *																				
TOT.LD.	40.0 PSF	SEON- 64032																				
DUR.FAC.	1.25	FROM SA																				
SPACING	24.0"	JREF- 1SSY487_Z02																				

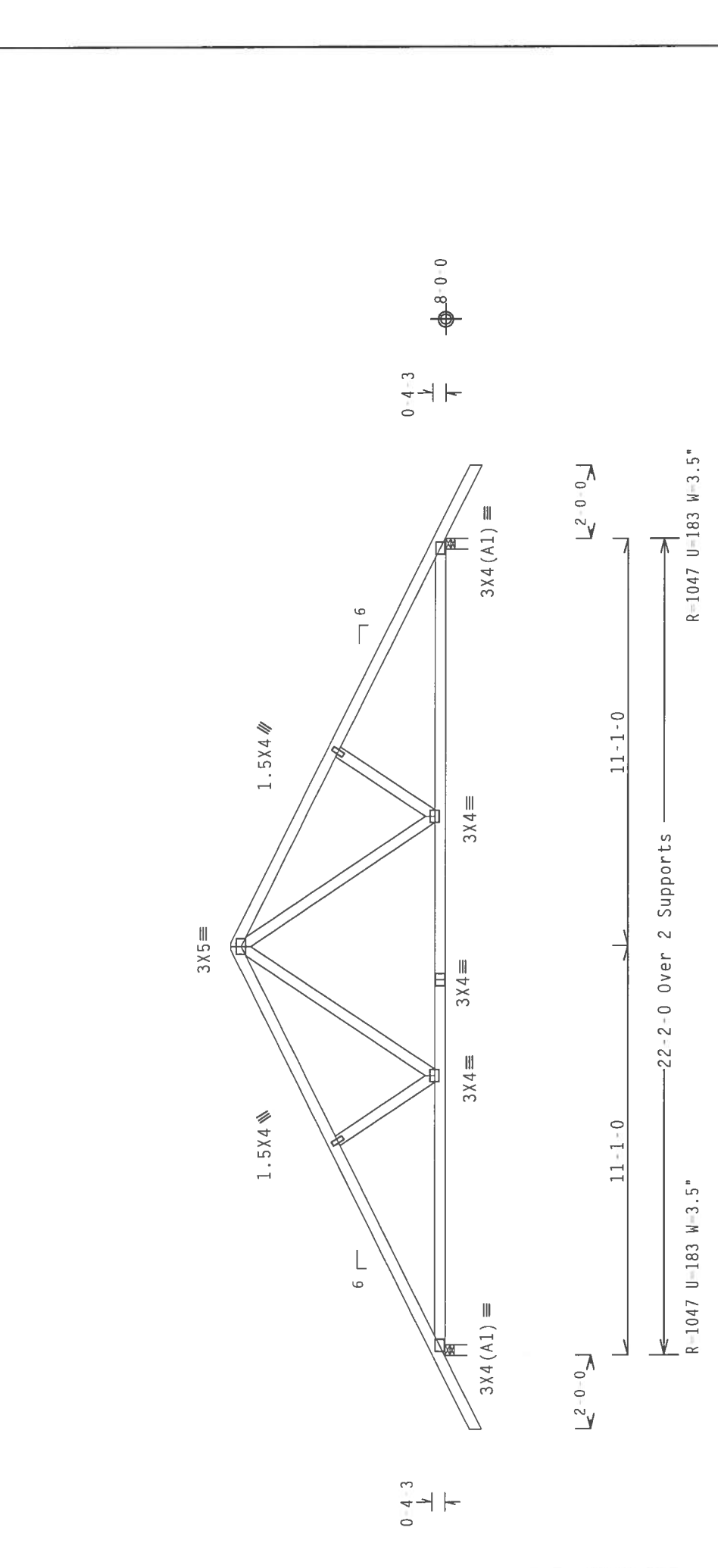
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 MADISON, MI 48129, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE TO 20/10/HIGH (40/10/SIDE) S16X3 GRADE 50 STEEL. ALL STEEL SHALL BE A36. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK 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.

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. Creep increase factor for dead load is 1.50.

110 mph wind, 10.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.00

Scale = .25" / Ft.

TC LL	20.0 PSF	REF R487 -	85260
TC DL	10.0 PSF	DATE	12/13/05
BC DL	10.0 PSF	DRW	HCUSR487 05347042
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN -	64044
DUR.FAC.	1.25	FROM	SA
SPACING	24.0"	JREF -	ISSY487_Z02

ALPINE

Alpine Engineered Products, Inc.
Haines City, FL 33844

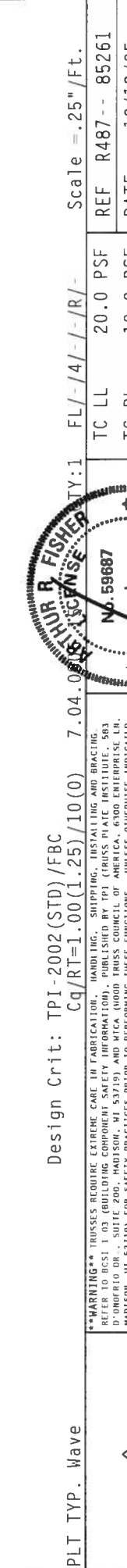
FL Certificate of Authorization # 567

WARNING** TRUSSES REQUIRE EXTERIOR CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51.03 FOR BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI TRUSSES, INC., 1503 D-QUINCY DR., SUITE 200, MADISON, WI 53719, AND MECA TRUSS COMPANY, 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 AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2019/16GA (W.H/2/6) ASTM A553 GRADE 40/60 (W. K/H.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 13TH EDITION, 2002. A SEAL ON THIS DESIGN SIGNIFIES THE DESIGNER'S RESPONSIBILITY FOR THE BUILDING'S COMPLIANCE WITH THE BUILDING CODE AND THE BUILDING DESIGNER'S RESPONSIBILITY FOR THE BUILDING'S COMPLIANCE WITH THE BUILDING CODE.

DESIGNED BY: R. FISHER
N. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
EXPIRATION DATE: 12/31/05

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



ALPINE

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

FL Certificate of Authorization # 567

DATE 12/13/05

DRW HCUSR487 05347043

HC-ENG JB/AF

SEQN- 64054

FROM SA

JREF- 1SSY487_202

IC 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"

Dec 13 '05



****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/P) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/5/P) ASTM A653 GRADE 40/60 (4. K/H/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI 1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/TPI 1 SEC. 7.

TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

DATE 12/13/05

DRW HCUSR487 05347043

HC-ENG JB/AF

SEQN- 64054

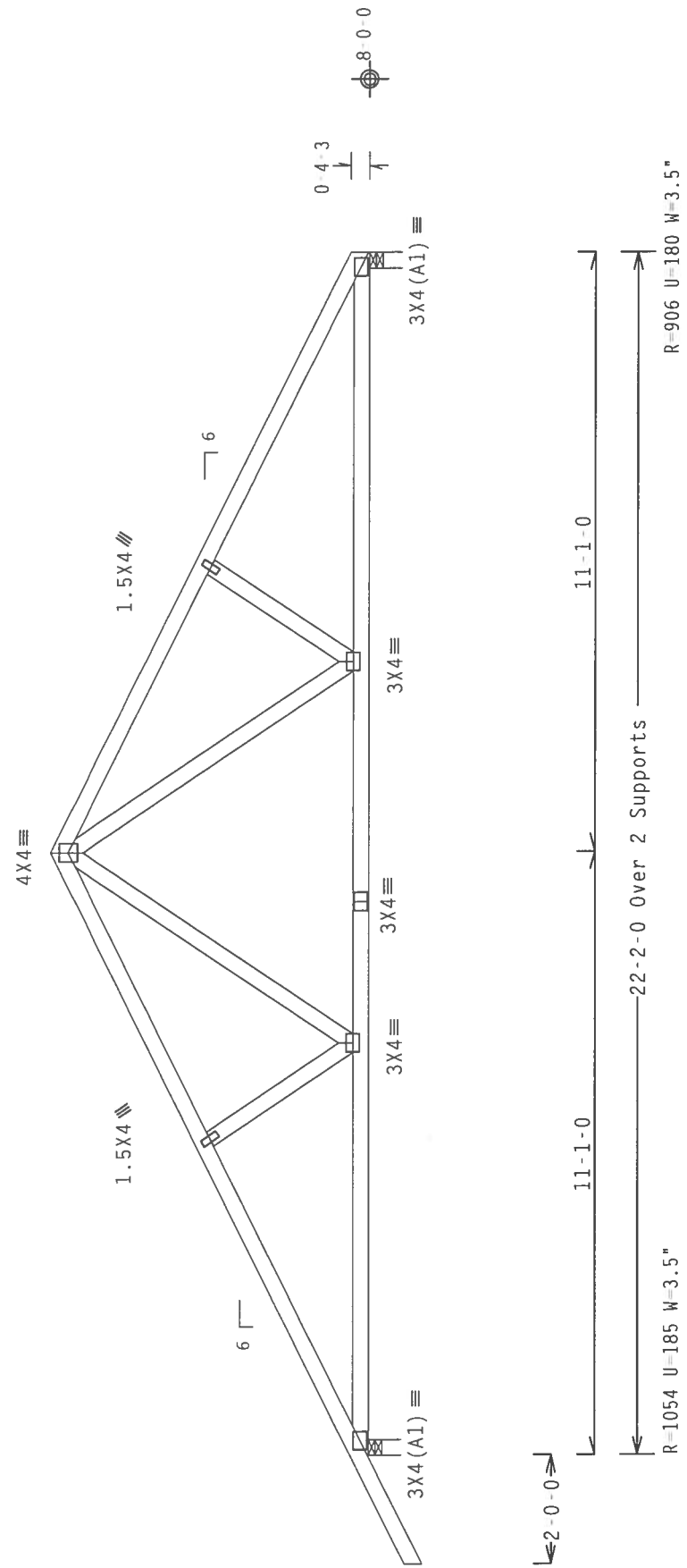
FROM SA

JREF- 1SSY487_202

[illegible]

1110 mph wind, 10.62 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind RC DL=5.0 psf

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

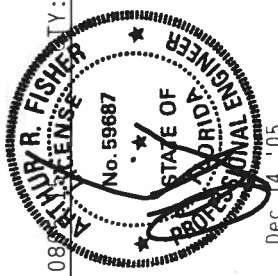


PLT TYP. Wave

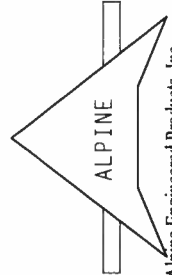
Design Crit: $\text{TPI-2002(STD)}/\text{FBC}$
 $\text{Cq}/\text{RT}=1.00(1.25)/$

Scale = .3125"/Ft.

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TC DL	10.0	PSF	DATE	12/13/05	
BC DL	10.0	PSF	DRW	HCUSR487	05347044
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	64062	
DUR.FAC.	1.25		FROM	SA	
SPACING	24.0"		JREF-	1SSY487_Z02	



Dec 14 '05

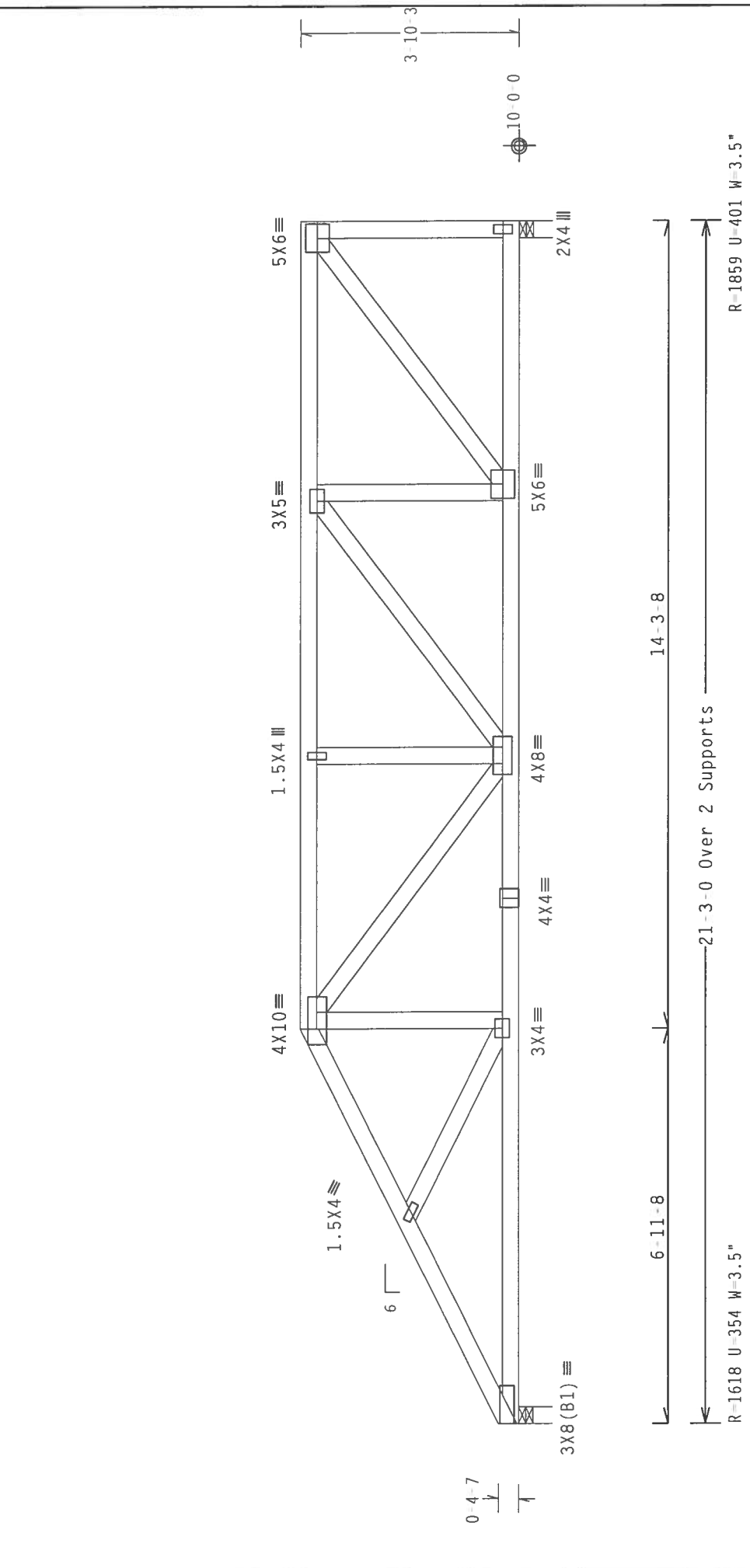


Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # S67

Haines City, FL 33844
FL Certificate of Authorization # 567

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

#1 hip supports 7-0-0 jacks with no webs.
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.
Right end vertical not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0) 7.04.0

Scale = .375"/Ft.

TC LL	20.0 PSF	REF R487-- 85264
TC DL	10.0 PSF	DATE 12/13/05
BC DL	10.0 PSF	DRW HCUSR487 05347066
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 64512
DUR.FAC.	1.25	FROM SA
SPACING	24.0"	JREF- 1SSV487_Z02

ALPINE

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

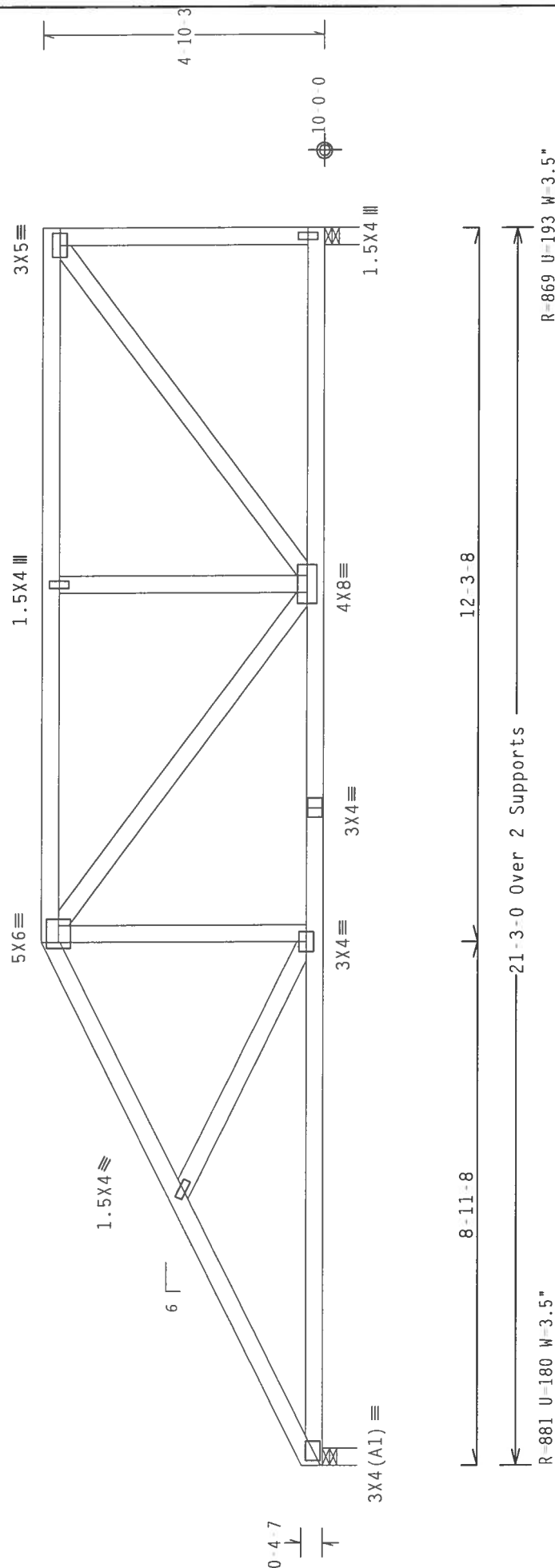
WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 D'ORFORD DR., SUITE 200, MADISON, WI 53719) AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE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

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/18GA (N-1/2") ASH A653 GRADE 40/60 (N. 8/16.5) GALV. STEEL. APPLY AN INSPECTION OF PLATES FOLLOWED BY A SUCCESSFUL TEST ON PER DRUGS SEC. 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER
No. 59687
Professional Engineer
STATE OF FLORIDA
PRC 530124
DEC 1 '05

110 mph wind, 12.61 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

Right end vertical not exposed to wind pressure.



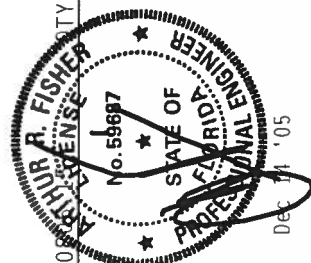
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

08TH JULY 1976
FISHES
JESS
STATIONERY: 1

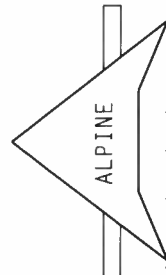
Scale = .375"/Ft.

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BC DL	10.0	PSF	DRW	HCUSR487	05347045
BC LL	0.0	PSF	HC-ENG	JB/AF	*
TOT.LD.	40.0	PSF	SEQN-	64520	
DUR.FAC.	1.25		FROM	SA	
SPACING	24.0"		JREF-	1SSY487	Z02



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THESE TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES. SAFETY INFORMATION, PUBLISHED BY THE INSTITUTE OF BRIDGE AND STRUCTURAL ENGINEERS, INC., 3530 UNIVERSITY AVENUE, MADISON, WI 53706, FOR SAFETY PRACTICES PRIOR TO FORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD SHELLING.

IMPORTANT: THE INSTALLATION CONTRACTOR, ALPINE ENGINEERING PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING, A BRACING THE TRUSS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC NATIONAL DESIGN SPEC. BY AISC AND TPI1. ALL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED ON THIS DESIGN, POSITION PER DRAWINGS FROM 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AISC A3 OF TPI1-2002 SEC.3. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN AND USE OF THIS COMPLIANT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE ALLOWING DESIGNER. PER AISC TPI1-2002 SEC.3.



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

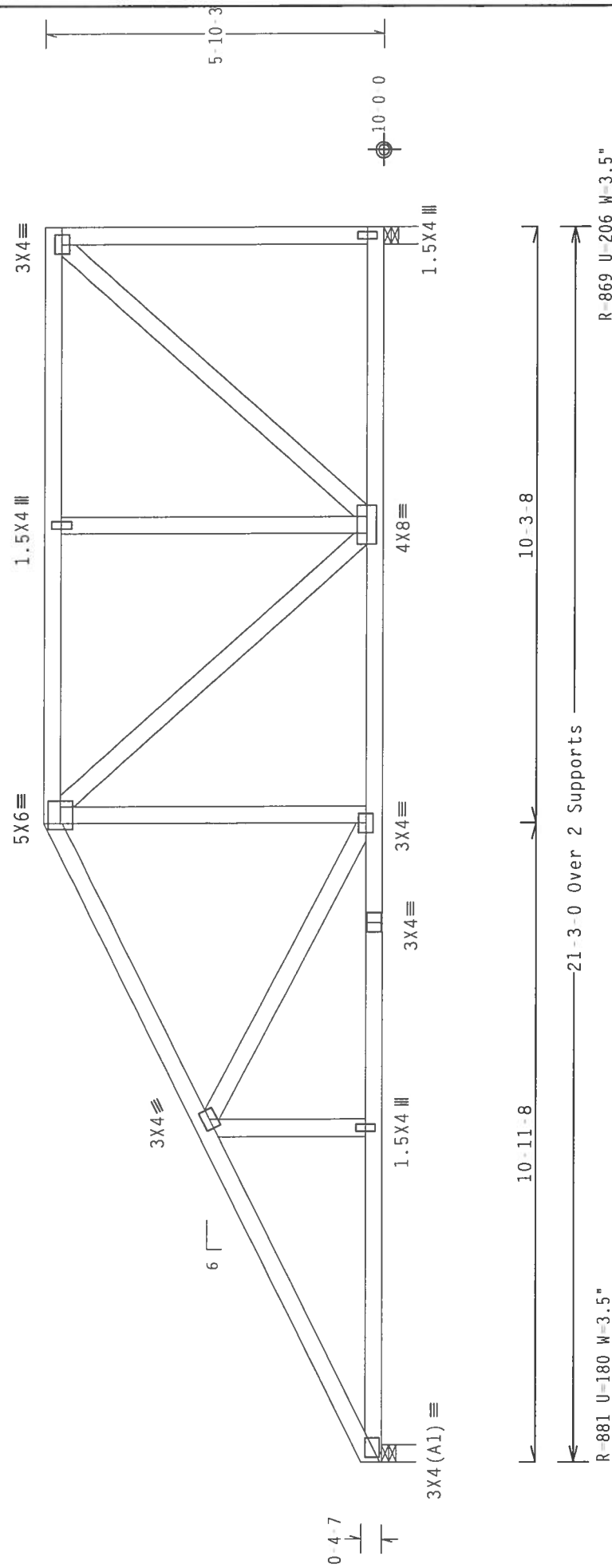
FL Certificate of Authorization # 567
Tallahassee, FL 32304

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

110 mph wind, 13.11 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

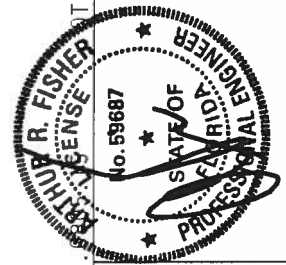
Right end vertical not exposed to wind pressure.



PLT TYP. Wave

Scale = .375"/Ft.

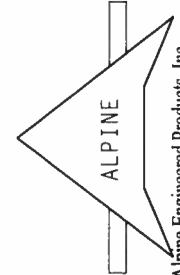
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TC DL	10.0	PSF	DATE 12/13/05
BC DL	10.0	PSF	DRW HCUR487 05347046
BC LL	0.0	PSF	HC-ENG JB/AF *
TOT.LD.	40.0	PSF	SEQN- 64529
DUR.FAC.	1.25		FROM SA
SPACING	24.0"		JREF- 1SSY487_Z02



Dec 14 '05

*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1-103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE U.S. DEPARTMENT OF COMMERCE, 6300 LEBANON AVE., WASHINGTON, MD 20743-9901 FOR SAFETY PRECAUTIONS TO PREVENT PERSONAL INJURY AND PROPERTY DAMAGE. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

*****IMPORTANT****TURN A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE DESIGN IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS WILL BE THE RESPONSIBILITY OF THE TRUSSES. THIS DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF NDS' NATIONAL DESIGN SPEC. FOR TIMBER FRAMING TRUSSES. CONNECTOR PLATES ARE MADE OF 20/18/16GA (9/4X5/8) ASTM A663 GRADE 40/60 (F. Y/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANHX A3 OF IPEI 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/APA 11 SEC. 2.

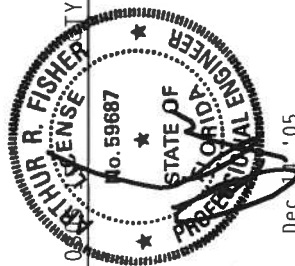


Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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

110 mph wind, 14.11 ft mean hgt., ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC-DL 5.0 psf, wind BC-DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Design Crit: $\text{TPI-2002(STD)}/\text{FBC}$
 $\text{Ca}/\text{RT}=1.00(1.25)/$

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF R487 - - 85268
TC DL	10.0 PSF	DATE 12/13/05
BC DL	10.0 PSF	DRW HCUR487 05347048
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN - 64550
DUR.FAC.	1.25	FROM SA
SPACING	24.0"	JREF - 1SSY487 Z02

Dec 17, 05

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

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W10 2x4 SP #2 Dense:

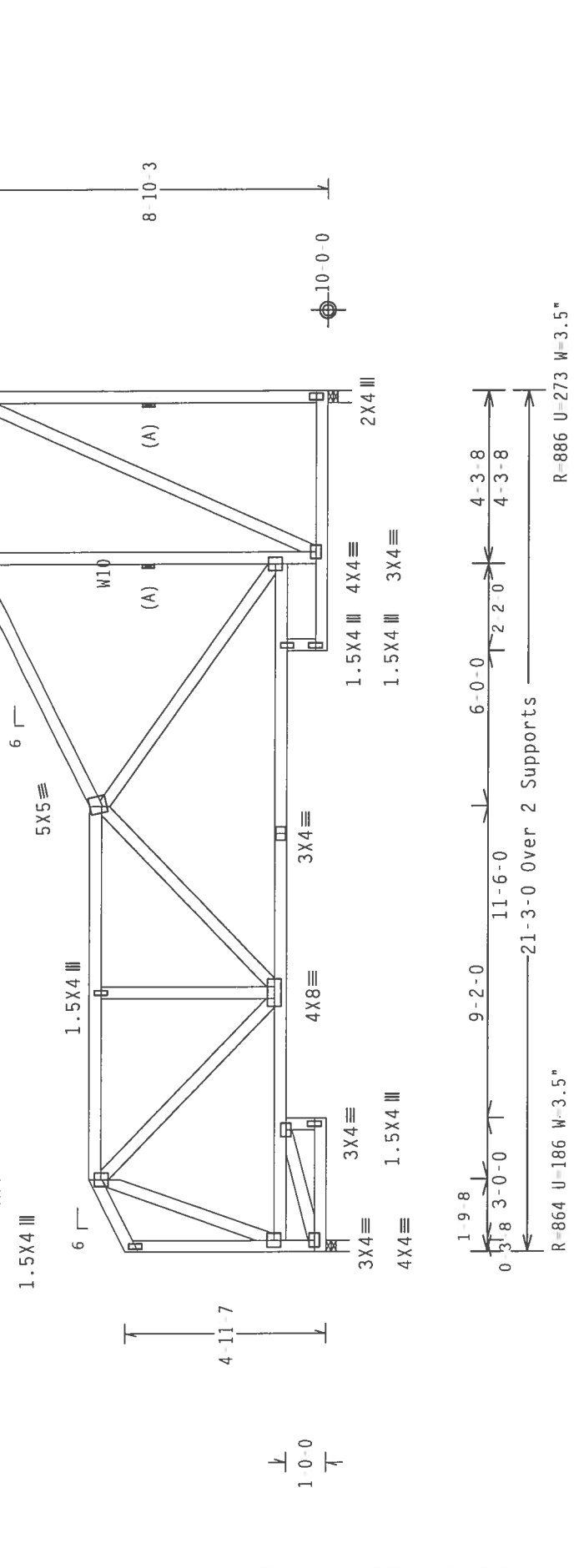
End verticals not exposed to wind pressure.
(A) Continuous lateral bracing equally spaced on member.
SEE DWGS TCFILLER1103 AND BCFILLER1103 FOR FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C. AND TOP CHORD UNDER FILLER AT 24" OC INCLUDING A LATERAL BRACE AT CHORD ENDS.

110 mph wind, 16.90 ft mean hgt, ASCE 7 98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.10" due to live load and 0.16" due to dead load.

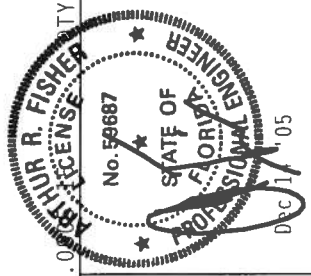
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Scale = .25" / Ft.



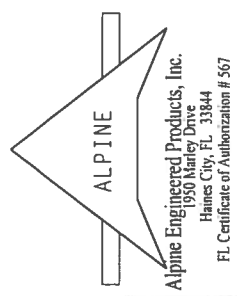
PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.00

TC LL	20.0 PSF	FL / - / 4 / - / R / -	REF R487 -	85269
TC DL	10.0 PSF		DATE	12/13/05
BC DL	10.0 PSF		DRW HCUSR487	05347067
BC LL	0.0 PSF		HC-ENG JB/AF	
TOT.LD.	40.0 PSF		SEQN -	64567
DUR.FAC.	1.25		FROM SA	
SPACING	24.0"		JREF -	ISSY487_Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS ASSOCIATION, 1000 DODD RD., SUITE 200, MADISON, WI 53719, AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

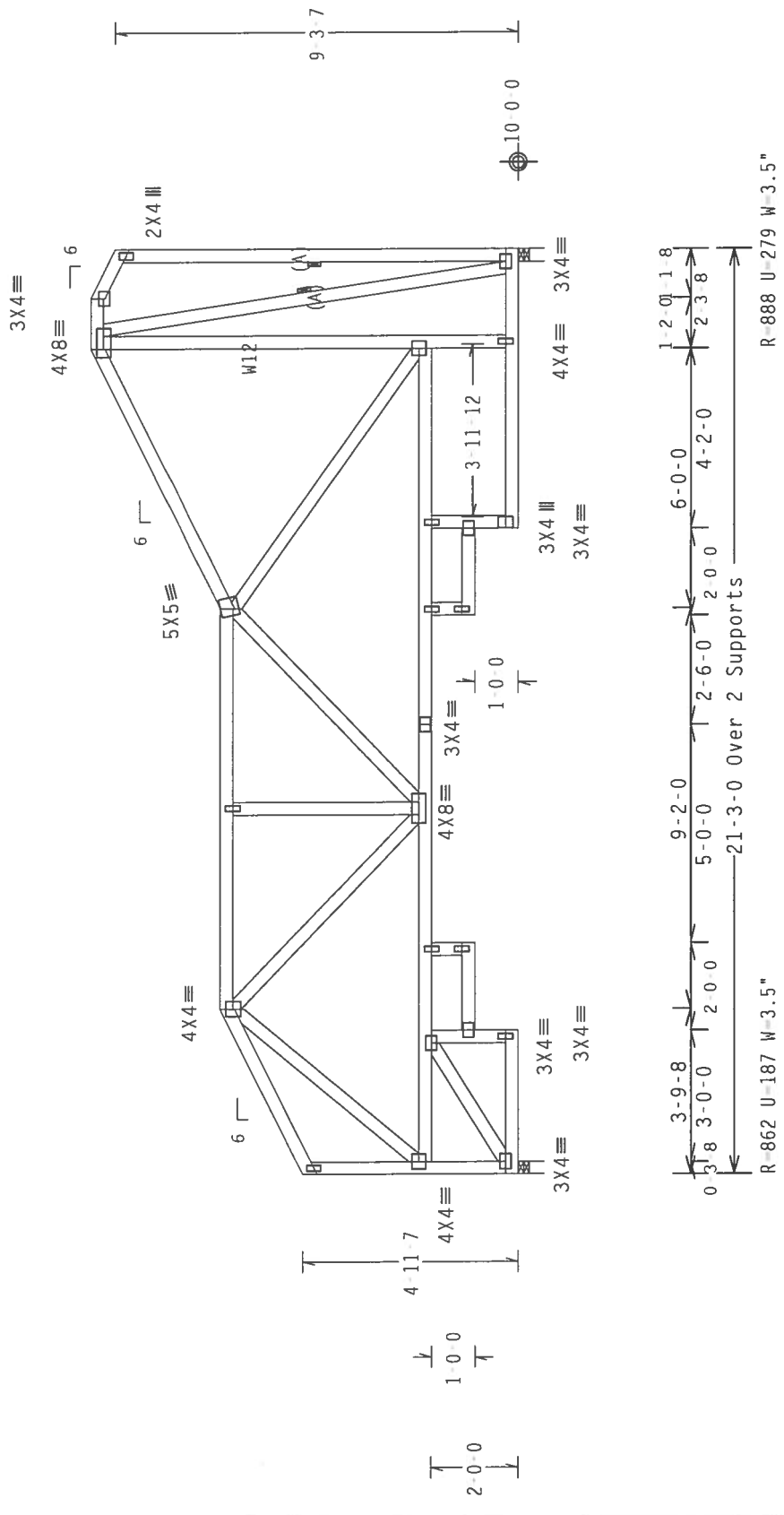
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&P) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2010/1066 (W.H/5K) ASTM A553 GRADE 40/60 (W. K/H.5) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TON 2. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. 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 : W12 2x4 SP #2 Dense:

End verticals not exposed to wind pressure.
(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.

110 mph wind, 17.40 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
Calculated horizontal deflection is 0.14" due to live load and 0.23" due to dead load.
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00(1.25)/10(0) 7.04.00

PLT TYP. Wave

Scale = .25"/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"

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

ARTHUR R. FISHER
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Dec 4 '05

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFERENCE TO BECSI 1.033 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 503 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6000 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY APA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W.1/8") 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 TDA-2. 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 AISC/TPI 1 SEC. 2.

JREF - 1SSV487_Z02

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W14 2x4 SP #2 Dense:

End verticals not exposed to wind pressure.

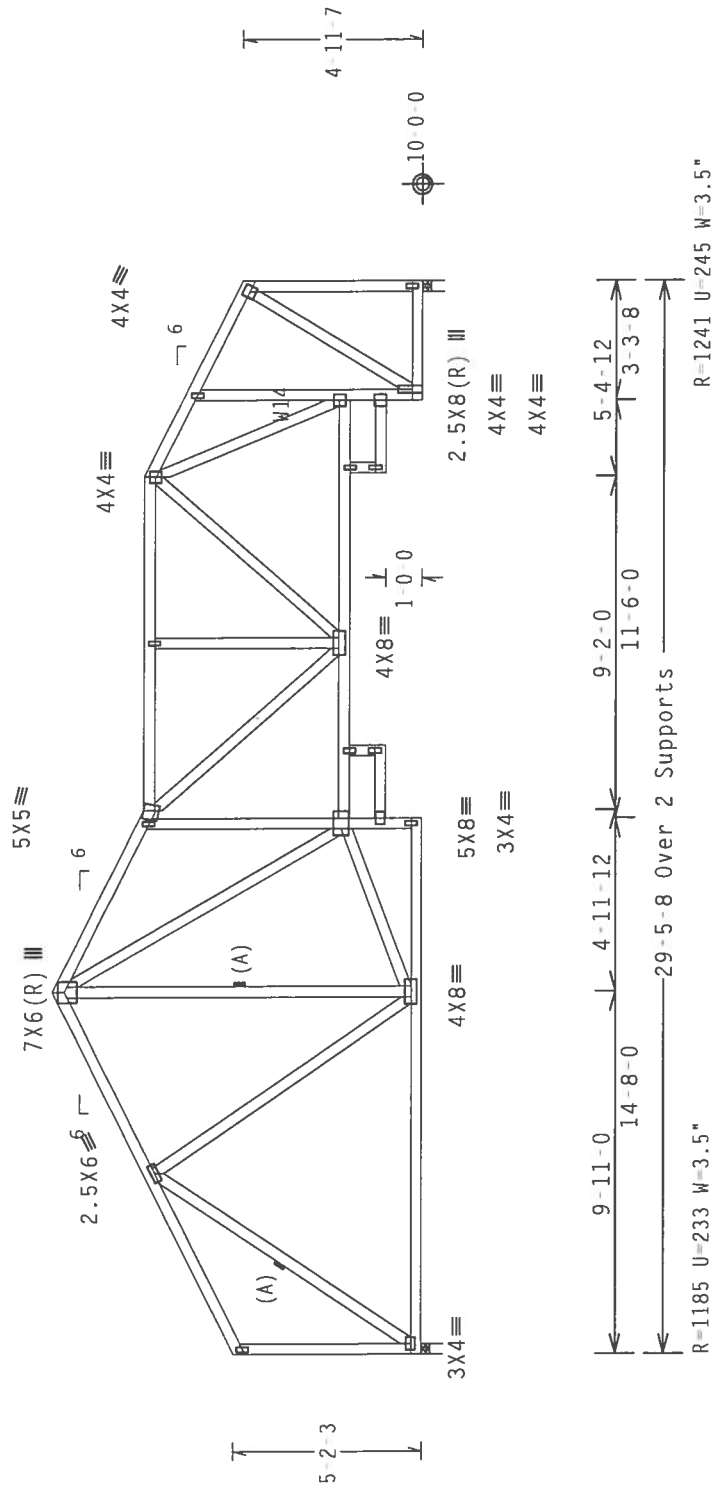
(A) Continuous lateral bracing equally spaced on member.

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" OC INCLUDING A LATERAL BRACE AT
CHORD ENDS.

110 mph wind, 17.54 ft mean hgt, ASCE 7 98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf.

Calculated horizontal deflection is 0.25" due to live load and 0.40"
due to dead load.

Deflection meets L/360 live and L/240 total load. Creep increase
factor for dead load is 1.50.



Note: All Plates Are 1.5X4 Except As Shown.

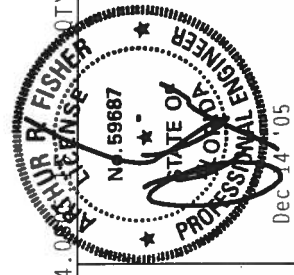
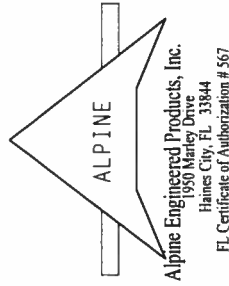
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.00

Scale = .1875" / Ft.

FL / - / 4 / - / - / R / -

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719), AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

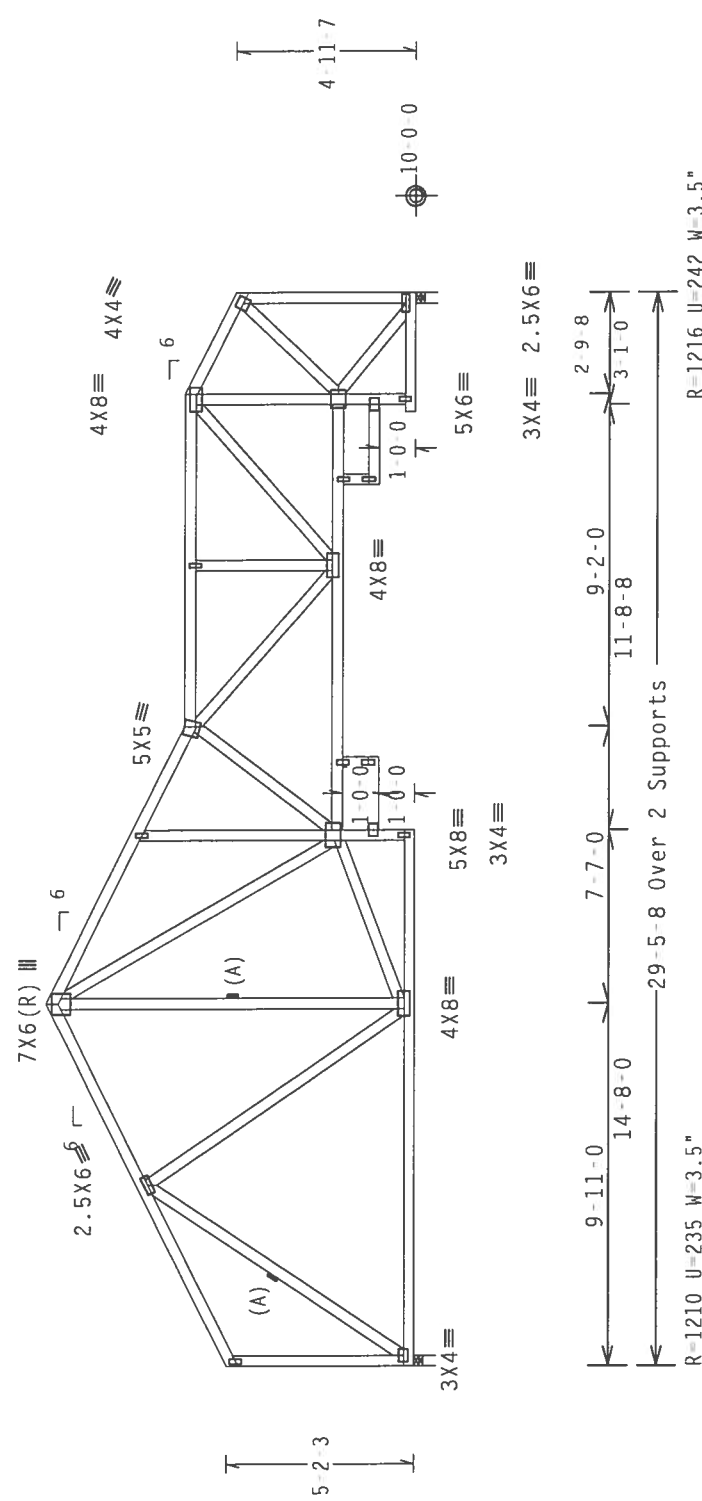
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 201/19/16GA (24/19/5X) ASTM A653 GRADE 40/80 (N. K/PLS) GALV. STEEL. APPLY ANY INSPECTION OF PLATES, UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 100A-Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R487 - -	85271
TC DL	10.0 PSF	DATE	12/13/05	
BC DL	10.0 PSF	DRW	HCUSR487	05347069
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	64592	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SSY487_Z02	

1110 mph wind, 17.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

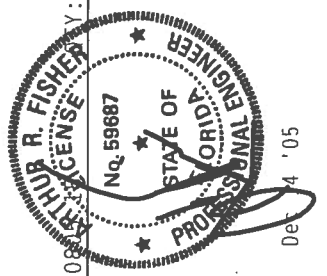


Shown.

Design Crit: $\text{TPI} - 2002(\text{STD}) / \text{FBC}$
 $\text{Ca} / \text{RT} = 1.00(1.25) /$

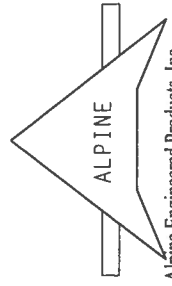
FL/ - /4/ - / - /R/ -
Scale = .1875" / Ft.

TC LL	20.0	PSF	REF R487 -	85273
TC DL	10.0	PSF	DATE	12/13/05
BC DL	10.0	PSF	DRW	HICUSR487 05347071
BC LL	0.0	PSF	HC-ENG	JB/AF
TOT.LD.	40.0	PSF	SEQN-	64631
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1SSY487_Z02



WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 101 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL BUILDING TRUSS MANUFACTURERS ASSOCIATION (NBTA), 1000 N. 17TH AVE., SUITE 100, MADISON, WI 53719, AND AIAA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE DRIVE, MADISON, WI 53719, FOR SAFETY PRECAUTIONS 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 DESIGN CONFORMS WITH THE FOLLOWING FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES DESIGN CONFORMS WITH THE FOLLOWING PLATE PROVISIONS: 1. ALL TRUSS PLATES SHALL BE 1/2" THICK. 2. ALL TRUSS CONNECTOR PLATES ARE MADE OF 2018/166A (OR 2018/25) ASTM A563 GRADE 40/60 (W. K/H 50) GALV. STEEL. 3. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, INSTALL PER DRAWINGS 100A, 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # S67

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

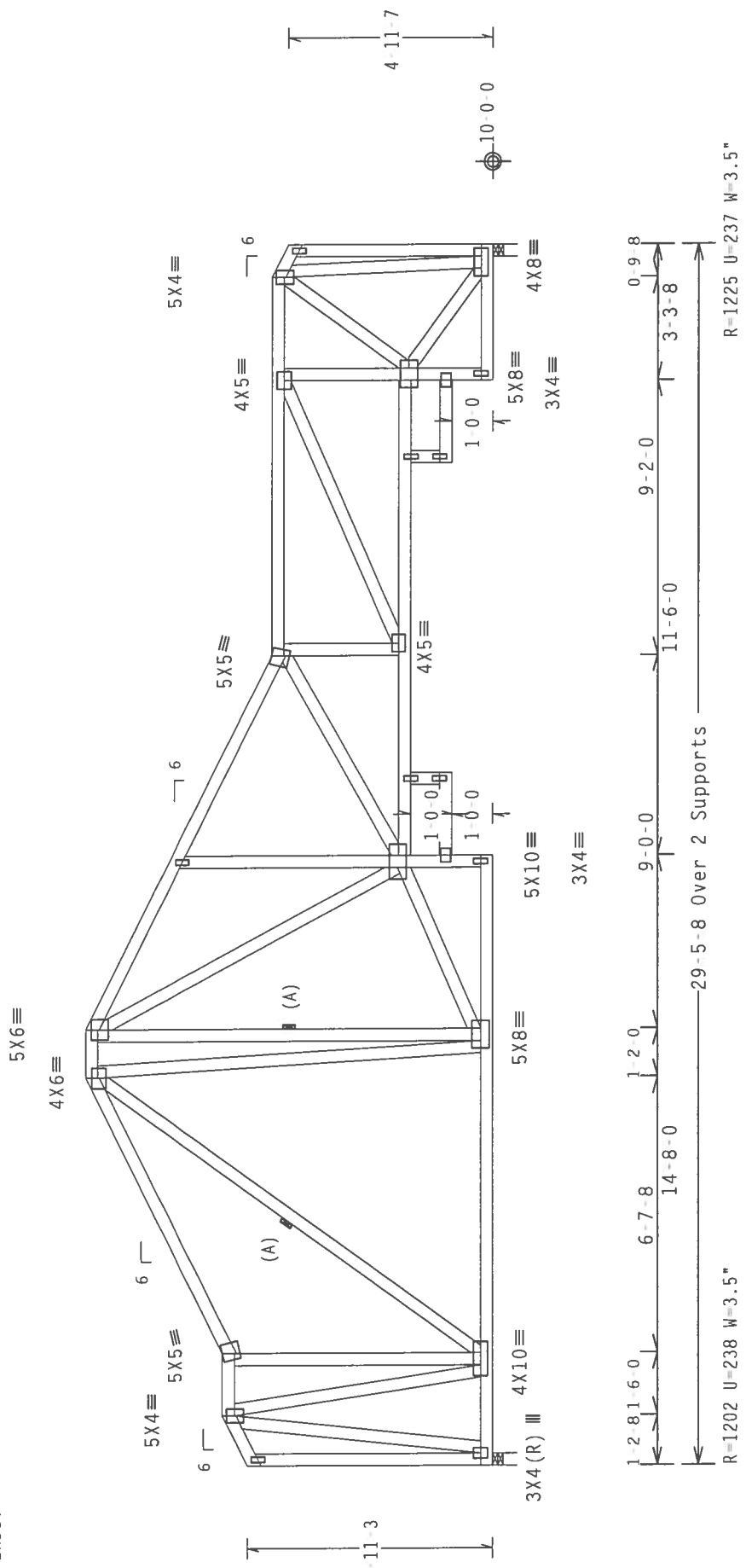
110 mph wind, 17.40 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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. Creep increase factor for dead load is 1.50.

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" O.C. INCLUDING A LATERAL BRACE AT CHORD ENDS.



Note: All Plates Are 1.5X4 Except As Shown.

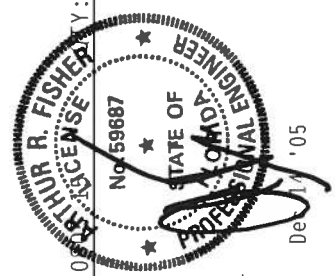
Design Crit: TPI-2002(STD)/FBC

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

FL/-4/-/-R/-

Scale = .25"/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"



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC511.03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 503 O'DONOHIO DR., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, GOOD 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 APA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/P) 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 100A Z, 100B Z, 100C Z, 100D Z, 100E Z, 100F Z, 100G Z, 100H Z, 100I Z, 100J Z, 100K Z, 100L Z, 100M Z, 100N Z, 100O Z, 100P Z, 100Q Z, 100R Z, 100S Z, 100T Z, 100U Z, 100V Z, 100W Z, 100X Z, 100Y Z, 100Z Z. DRAWING INDICATES ACCEPTABLE PROFESSIONAL ENGINEERING RESPONSIBILITY, NOT FOR THE TRUSS COMPANY'S DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

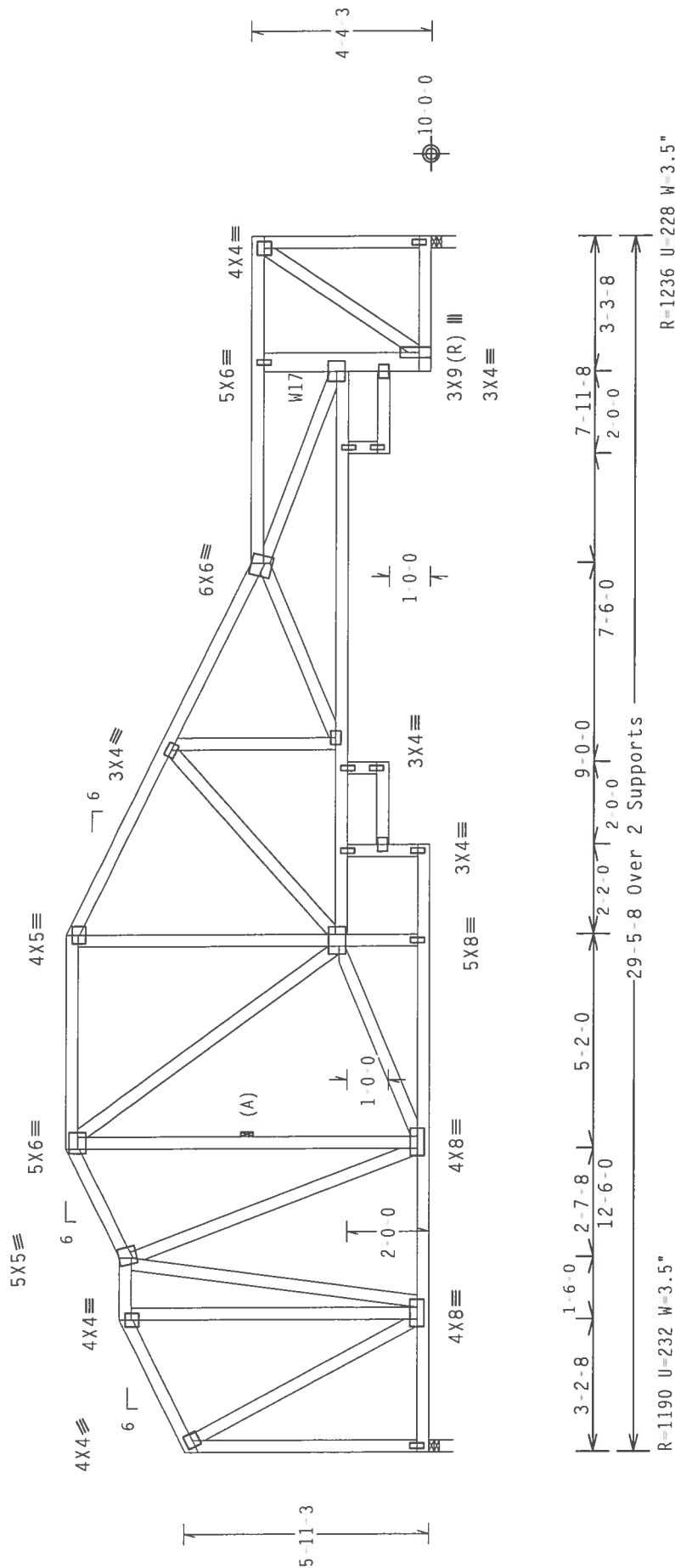
Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

110 mph wind, 16.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

Calculated horizontal deflection is 0.17" due to live load and 0.27" due to dead load.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

SEE DWGS TCILLER1103 AND BCILLER1103 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.

Design Crit: TPI-2002(STD)/FBC

Scale = .25"/Ft.

FL/-/4/-/-/R/-/

20.0 PSF	77
----------	----

10:00	10:00
10:00	10:00

10.0T 70 2

C DL 10.0 PSF

0.0 PSF
C L L

OT.LD. 40.0 PSF

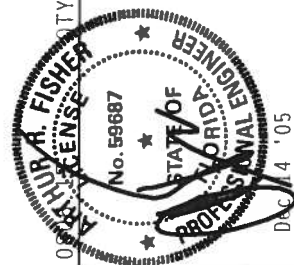
Urb. EAC	1	25
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OUR.FAC.	1.25
DATING	04.00

PACING 24.0"

****WARNING**** THESE REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RETURN TO BESS 1 FOR BUILDING COMPONENT INFORMATION. PUBLISHED BY IPI (THICK PLATE INSTALLATION), 363 MADISON, WIS 53710, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. THESE FUNCTIONS MUST BE OVERSEEN BY A QUALIFIED PERSON. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS & ARCHITECTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TP1. ALL TRUSS PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS FIGOA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TP1 2002 SEC.3. A SEAL OR DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT AND NOT THE SEAL AND USE OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER TP1 SEC.3.



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

FL Certificate of Authorization # 567

110 mph wind, 15.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.15" due to live load and 0.24" due to dead load.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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.

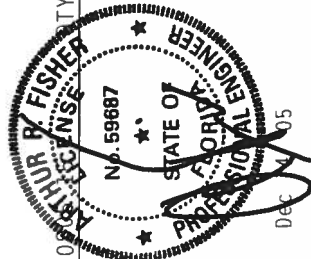


Design Crit: TPI-2002(STD)/FBC

7.04.06
SCIENCE

Scale = .25"/ft.

TC LL	20.0	PSF	REF R487 - - 85276
TC DL	10.0	PSF	DATE 12/13/05
BC DL	10.0	PSF	DRW HCURS487 05347074
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN- 64677
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SSY487_Z02

[illegible]

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ALTIMA ENGINEERING PRODUCTS, LLC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: _____ OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TYPE III ALTIMA DESIGN DRAWINGS PER SECTIONS 10.1 AND 10.2. THE DESIGNER'S LIABILITY IS LIMITED TO THE TRUSS COMPONENT PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMES A3.3 OF TP12 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT PLATES TO EACH FACE OF THIS COMPONENT. THE USER OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER SECTION 10.2.



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1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 : W13 2x6 SP #2:
: W15 2x4 SP #2 Dense:

110 mph wind, 14-60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

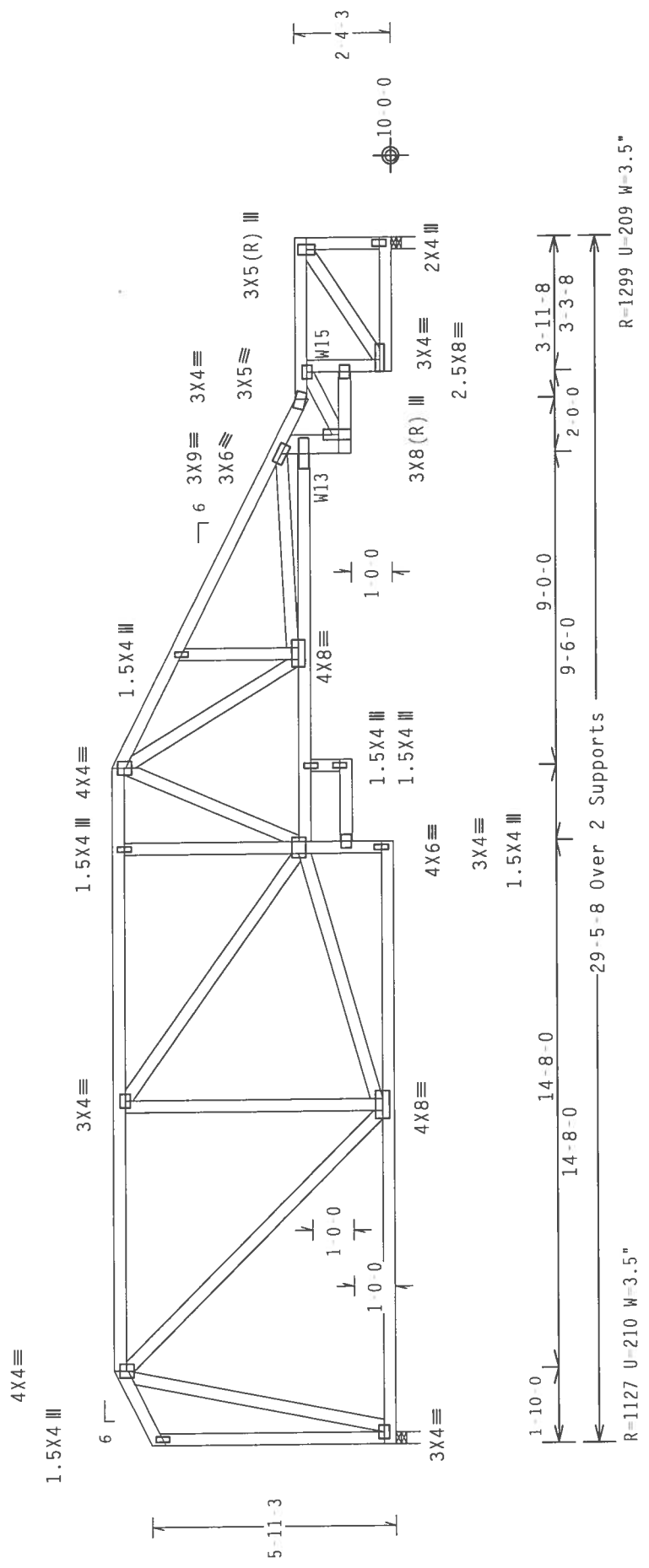
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Common (0.148"x3.25", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Calculated horizontal deflection is 0.14" due to live load and 0.23" due to dead 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.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.08

PLT TYP. Wave

Scale = .25"/Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51103 (BUILDING COMPONENT SAFETY INFORMATION) FOR TRUSS FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (M-11/5/5) 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 T60X 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS. A SEAL OF THIS BUILDING DESIGNER PER ANSI/PT 1 SEC. 2.

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TC LL	20.0 PSF	REF	R487 --	85277
TC DL	10.0 PSF	DATE	12/13/05	
BC DL	10.0 PSF	DRW	HCUSR487	05347075
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN	64716	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1SSY487_Z02	

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

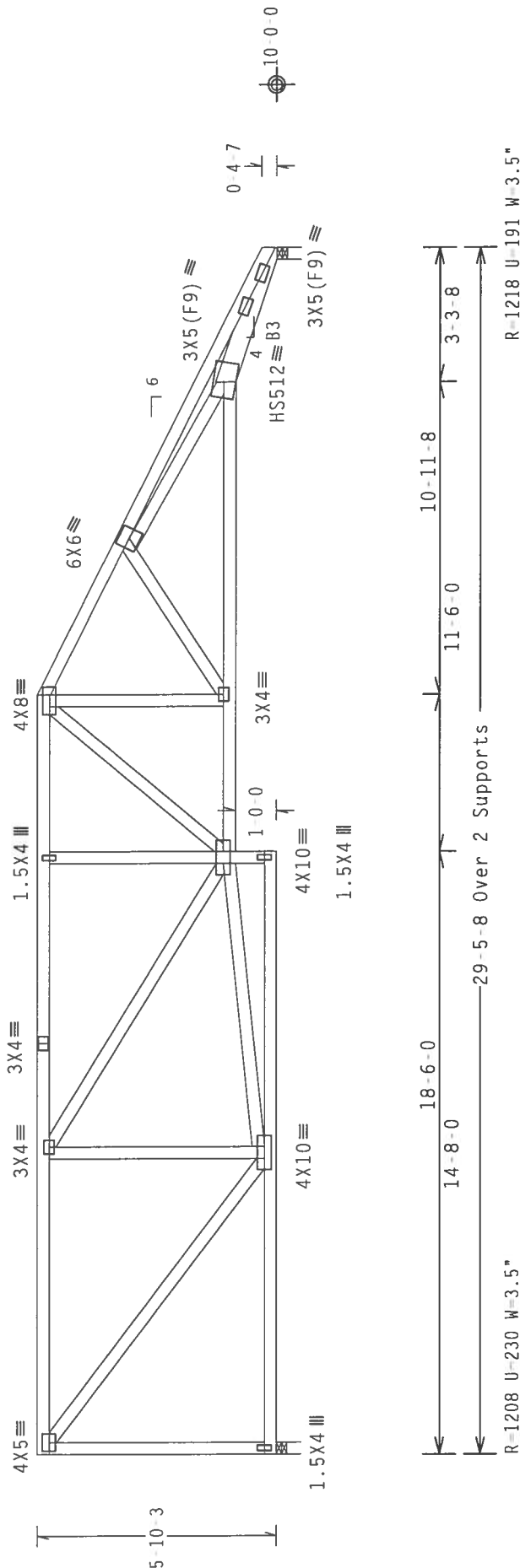
110 mph wind, 13.11 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Left end vertical not exposed to wind pressure.

Calculated horizontal deflection is 0.11" due to live load and 0.18" due to dead load.

Max JT VERT DEFL: LL: 0.22" DL: 0.35" recommended camber 5/8"

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



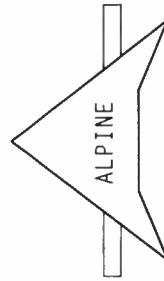
PLT TYP. 20 Gauge HS, Wave

Design Crit: TPI-2002(STD)/FBC

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

FL/-/4/-/-/R/-/-

Scale = .25"/Ft.

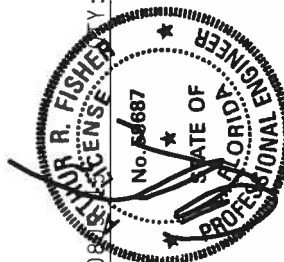


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1950 Marley Drive
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FL Certificate of Authorization # 56

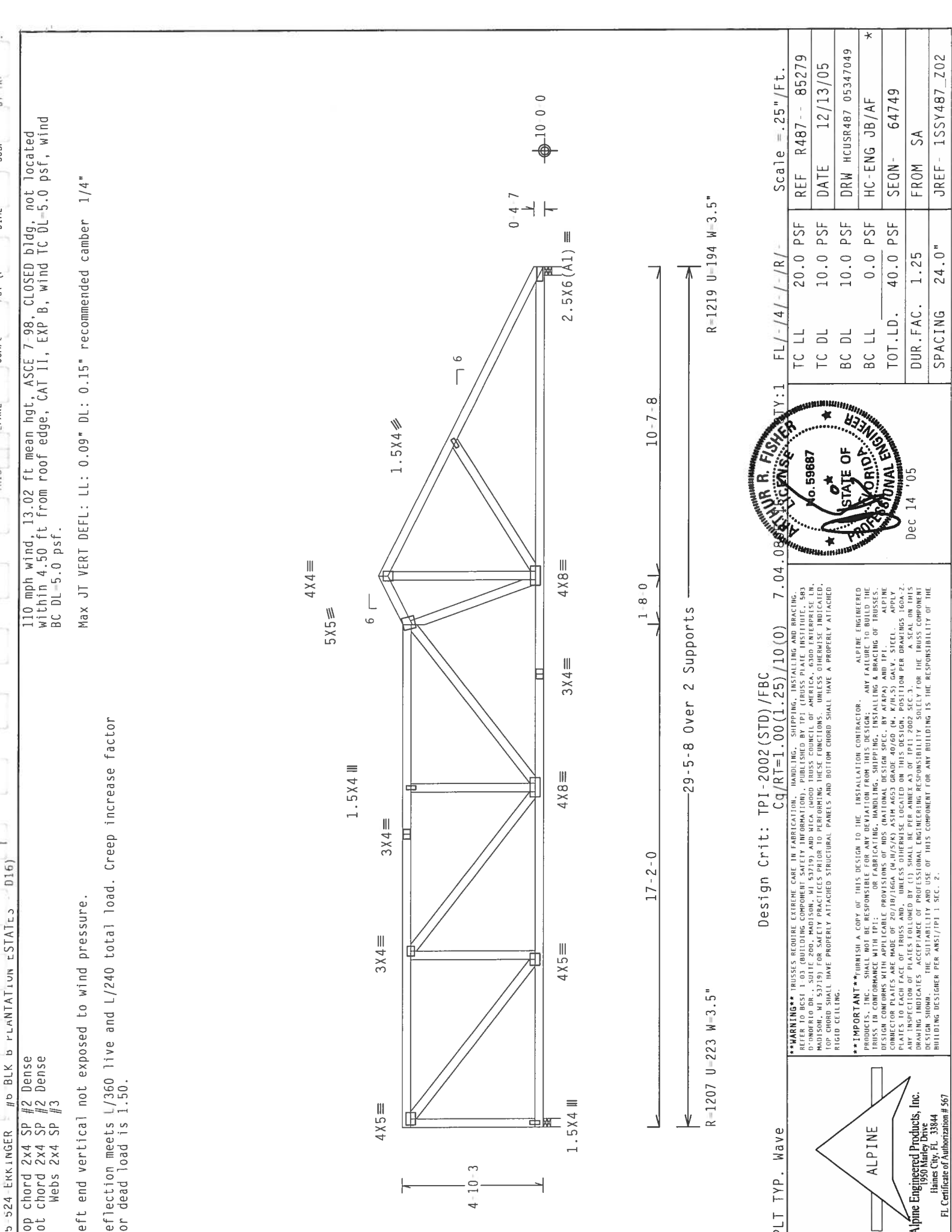
*WARNING** PRISSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TO BE SAFE, PROCEED WITH CAUTION. ADVISE ALL PERSONNEL OF THE DANGERS OF THESE PLASTIC PANELS. 583-563-0006 (1-800-368-5630). MAINTAINING 537191, AND VERTICAL MAINTAINING 537192, THESE FUNCTIONS OF THESE PLASTIC PANELS. MAINTAINING 537191, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CHORD.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH T1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/APA) AND THE FOLLOWING ALPINE TRUSS MANUFACTURING SPECIFICATIONS (T1: & T2:). THE TRUSS SHALL BE MANUFACTURED TO THE FOLLOWING SPECIFICATIONS: PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T1GA, 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF T1P1 2002 SEC.3. A SEAL ON DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT MANUFACTURING. THE SUBMITTAL AND USE OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING ENGINEER.



Dec 14 '05

TC LL	20.0 PSF	REF R487 - - 85278
TC DL	10.0 PSF	DATE 12/13/05
BC DL	10.0 PSF	DRW HCUSR487 05347076
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 64727
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SSY487 Z02



(5-524) EKKINGER #6 BLK 6 PLANTATION ESTATES D16

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

Left end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 13.02 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

Max JT VERT DEFL: LL: 0.09" DL: 0.15" recommended camber 1/4"

Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/10(0) 7-04.08

PLT TYP. Wave

Scale = .25"/Ft.

TC LL	20.0 PSF	FL/-/4/-/R/-
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- 85279

DATE 12/13/05

DRW HCUSR487 05347049

HC-ENG JB/AF

SEQN- 64749

FROM SA

JREF- 1SSV487_Z02

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Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W2 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=5.0 psf, wind
BC DL=5.0 psf.

Left end vertical not exposed to wind pressure.

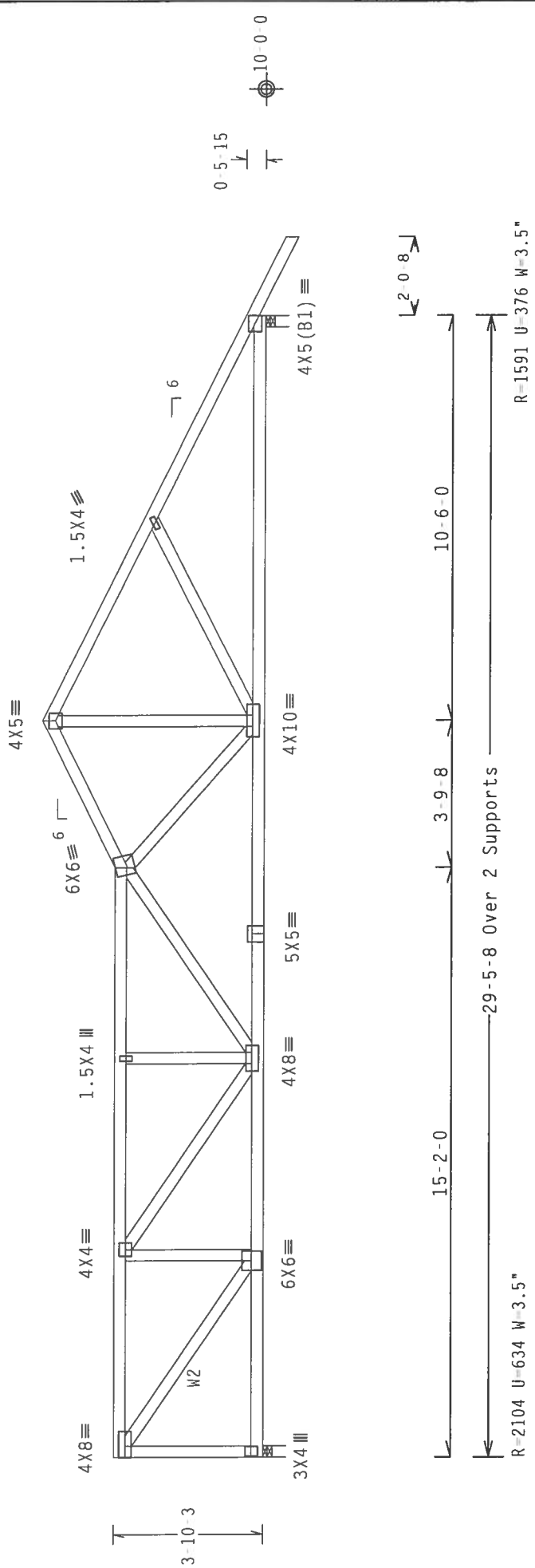
Max JT VERT DEF: LL: 0.21" DL: 0.31" recommended camber 1/2"

Deflection meets L/360 live and L/240 total load. Creep increase factor
for dead load is 1.50.

PER TPI2002, SECTION 8.5, FIGURE 8.5.1 pg. 62, INSERT
BLOCK BETWEEN EXCESSIVE PORTION OF PLATES AT SPLICE.

SPECIAL LOADS

TC	From	DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25)
TC	62 PLF at 0.00 to	62 PLF at 18.96
TC	62 PLF at 18.96 to	62 PLF at 31.50
BC	20 PLF at 0.00 to	20 PLF at 29.46
BC	4 PLF at 29.46 to	4 PLF at 31.50
TC	115 LB Conc. Load at	1.90
TC	182 LB Conc. Load at	3.90, 5.90, 7.90
TC	161 LB Conc. Load at	9.90
BC	23 LB Conc. Load at	1.90
BC	77 LB Conc. Load at	3.90, 5.90, 7.90
BC	55 LB Conc. Load at	9.90

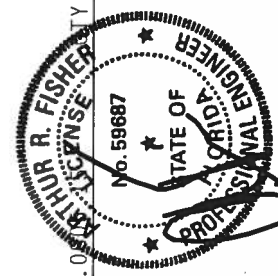


Design Crit: TPI-2002(STD)/FBC

$C_g/RT = 1.00(1.25)/10(0) = 7.04(0)$

$FL/-4/-R/-$

Scale = .25" / Ft.



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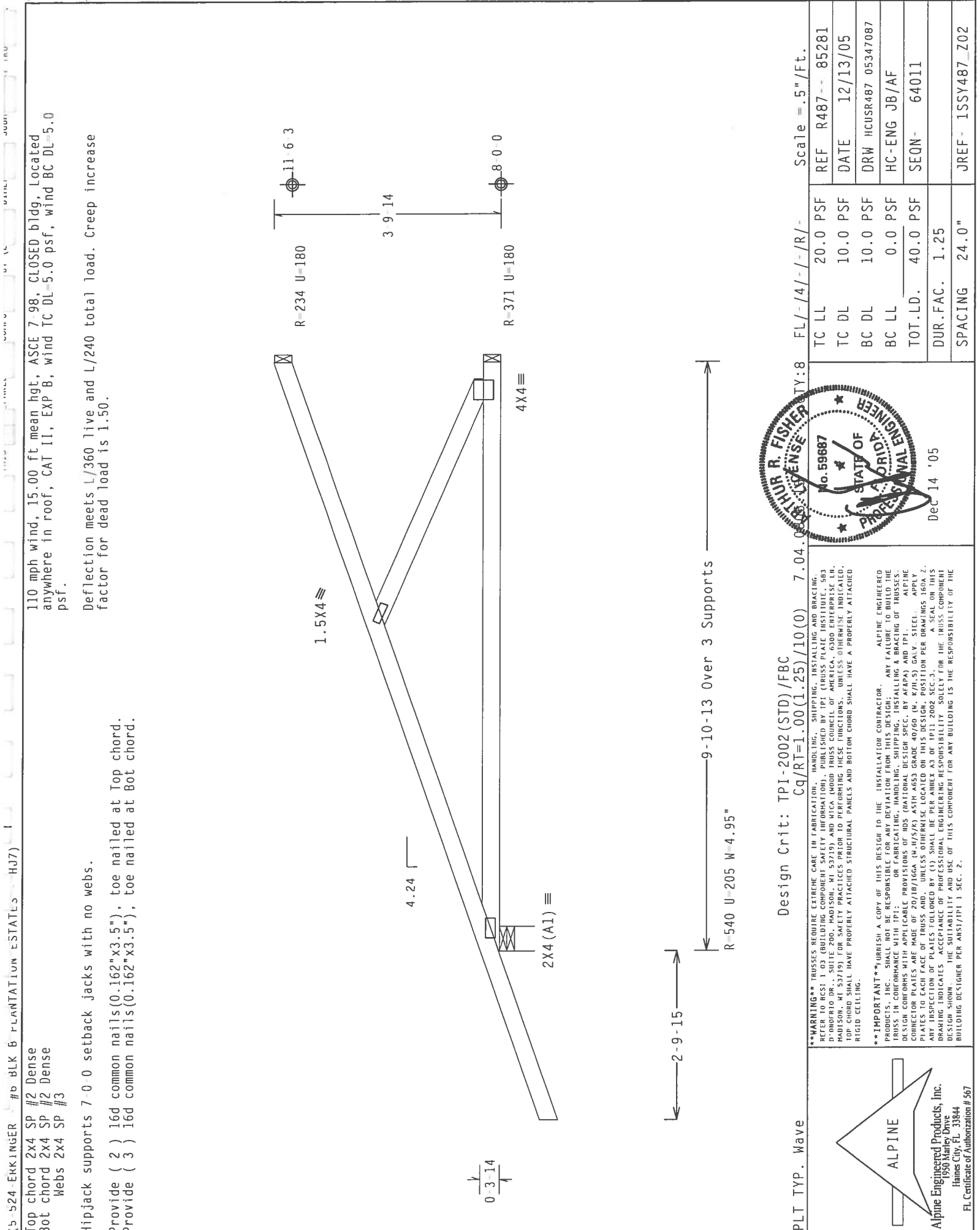
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 593 D'ORFORD DR., SUITE 200, MADISON, WI 53719) AND MECA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2010/1000 (4.0/5.0) ASH A553 GRADE 40/60 (M. K/M.S) GALV. STEEL. APPLY PROTECTIVE COATING OR PAINT TO ALL EXPOSED SURFACES. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-2002. SEE TPI-2002, SECTION 8.5.1 FOR DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	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- 1SSY487_Z02

PLT TYP. Wave



(5-524-ERKINGER #6 BLK B PLANTATION ESTATES - HJ7) I

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

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.

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

Design Crit: TPI-2002 (STD) / FBC
Cq/RT=1.00(1.25)/10(0) 7.04.00
Scale = .5" / Ft.

PLT TYP. Wave

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

Dec 14 '05

Professional Engineer
No. 59687
State of Florida

ARTHUR R. FISHER
LICENSE

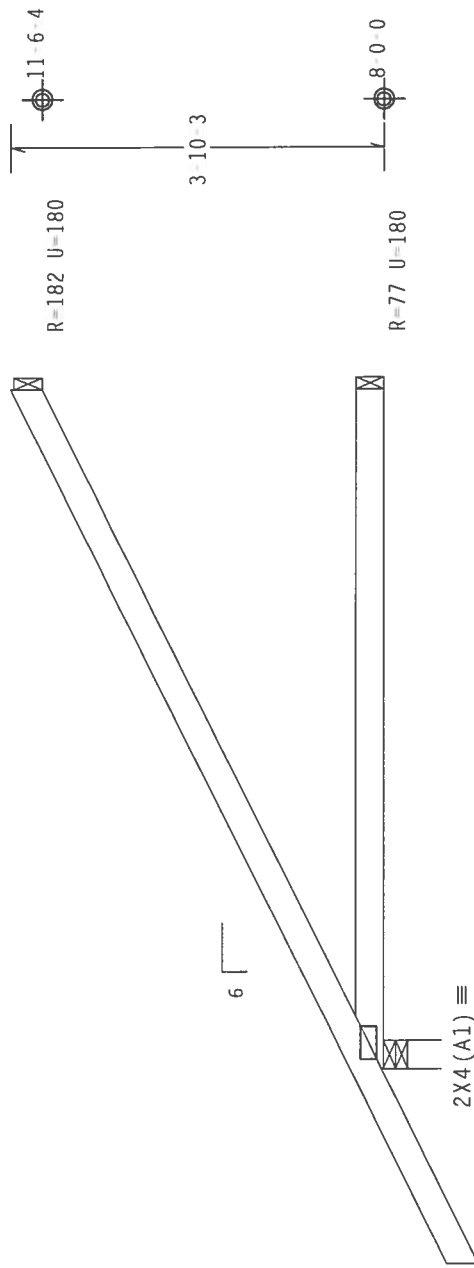
TC LL	20.0 PSF	FL / - / 4 / - / R / -	TY: 8	7.04.00
TC DL	10.0 PSF			
BC DL	10.0 PSF			
BC LL	0.0 PSF			
TOT. LD.	40.0 PSF			
DUR. FAC.	1.25			
SPACING	24.0"			
REF	R487 -- 85281			
DATE	12/13/05			
DRW	HCUSR487 05347087			
HC-ENG	JB/AF			
SEQN	64011			
JREF	1SSY487 Z02			

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

110 mph wind, 9.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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.



200

7-0-0 Over 3 Supports
R=450 U=180 W=3.5"

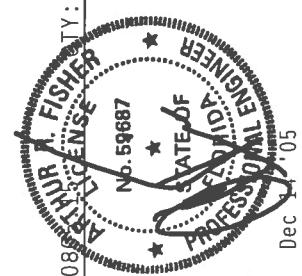
Design Crit: TPI-2002(STD)/FBC

Scale = .5"/Ft.

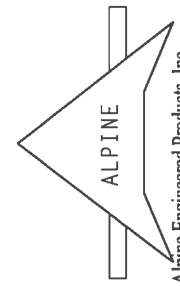
089
A. FISHER
RICHARD C. FISHER
TY:30 FL/- /4/- /- /R/-

4. ***WARNING*** RUSSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESS 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CONCRETE RESEARCH AND DEVELOPMENT CENTER, 100 UNIVERSITY AVENUE, NEWTON, MASSACHUSETTS 02459-1000, 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 SHALL NOT BE RESPONSIBLE FOR ANY OVERTURN FROM THIS DESIGN; ANY FAILURE TO BUILD THE PRODUCTS, THIS SHALL NOT BE RESPONSIBLE FOR ANY FAILURE TO BUILD THE PRODUCTS. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TYPE OF TRUSSING CONNECTOR PLATES ARE MADE OF 2010/16GA (M15/2) ASTM A553 GRADE 40 (60 / 40 / 5) GALV. STEEL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A. 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TPI 1 2002 SEC. 2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX TPI 1 SEC. 2.

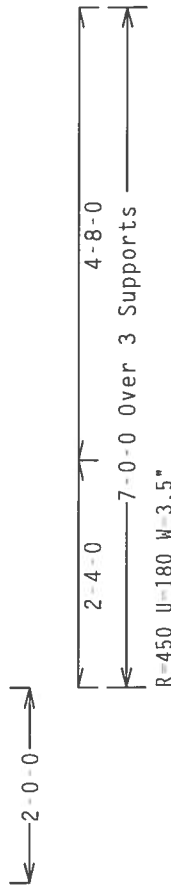


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TC DL	10.0	PSF	DATE 12/12/05
BC DL	10.0	PSF	DRW HCUR487 05346001
BC LL	0.0	PSF	HC-ENG DF/AF
TOT.LD.	40.0	PSF	SEQN- 61774
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1SSV487_Z02



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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.

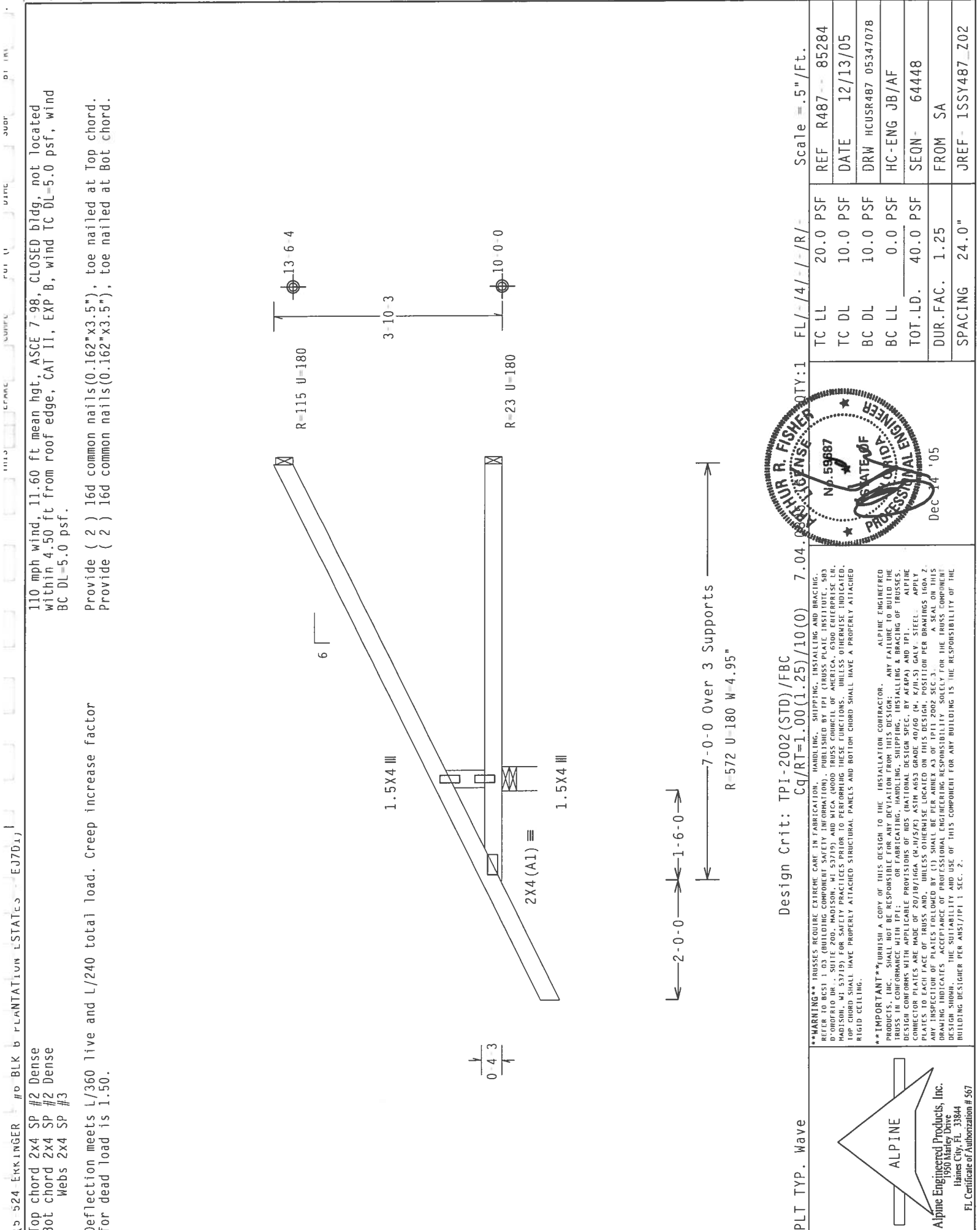


Dec 11 '05

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TC DL	10.0	PSF	DATE	12/13/05	
BC DL	10.0	PSF	DRW	HCUSR487	05347050
BC LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	40.0	PSF	SEQN-	129181	REV
DUR.FAC.	1.25		FROM	SA	
SPACING	24.0"		JREF-	1SSV487	Z02



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110 mph wind, 11.60 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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.

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. Creep increase factor for dead load is 1.50.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.04.08

PLT TYP. Wave

Scale = .5" / Ft.

REF R487 - 85284

DATE 12/13/05

DRW HCUSR487 05347078

HC-ENG JB/AF

SEQN- 64448

FROM SA

JREF- 1SSY487-Z02

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"

FL / - / 4 / - / R / -

TY: 1

ALPINE ENGINEER

NO. 59887

STATE OF ALABAMA

PROFESSIONAL ENGINEER

Dec 4 '05

ALPINE ENGINEERED PRODUCTS, INC.

1950 Marley Drive

Haines City, FL 33844

FL Certificate of Authorization # 567

ALPINE

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Haines City, FL 33844

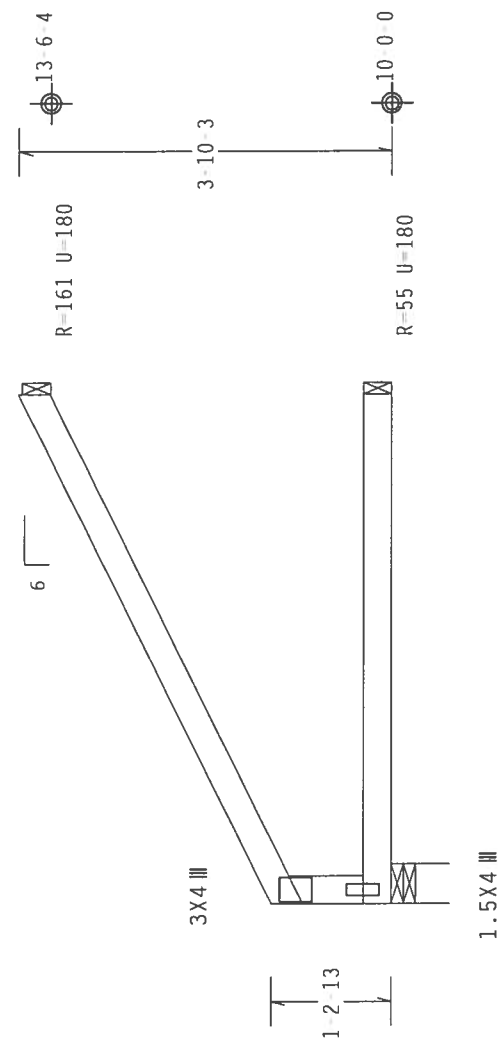
FL Certificate of Authorization # 567

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

110 mph wind, 12.54 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL 5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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.



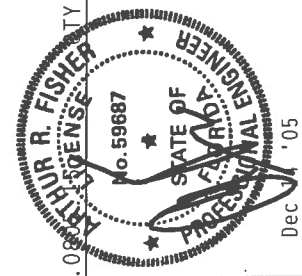
← 5-2-11 Over 3 Supports →
R=215 U=180 W=4.95"

Design Crit: $\text{TPI} - 2002(\text{STD}) / \text{FBC}$
 $\text{Cq} / \text{RT} = 1.00(1.25) /$

08-15-2009
FISHES
TY:1

Scale = .5"/Ft.

TC LL	20.0	PSF	REF R487	85285
TC DL	10.0	PSF	DATE	12/13/05
BC DL	10.0	PSF	DRW HCUR487	05347051
BC LL	0.0	PSF	HC-ENG JB/AF	*
TOT.LD.	40.0	PSF	SEQN	64437
DUR.FAC.	1.25			
SPACING	24.0"		JREF- 1SSY487	Z02

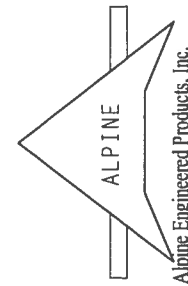


****WARNING**** RUSSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (PRESS PLATE INSTITUTE), 583 WILSON DRIVE, SUITE 100, MADISON, WISCONSIN 53703, AND THE RUSS COUNCIL OF AMERICA, 6300 ENTERPRISE CIRCLE, WILSONVILLE, OREGON 97158, FOR THE LATEST RECOMMENDED FABRICATION AND INSTALLATION PRACTICES. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED TOP CHORD GULLING.

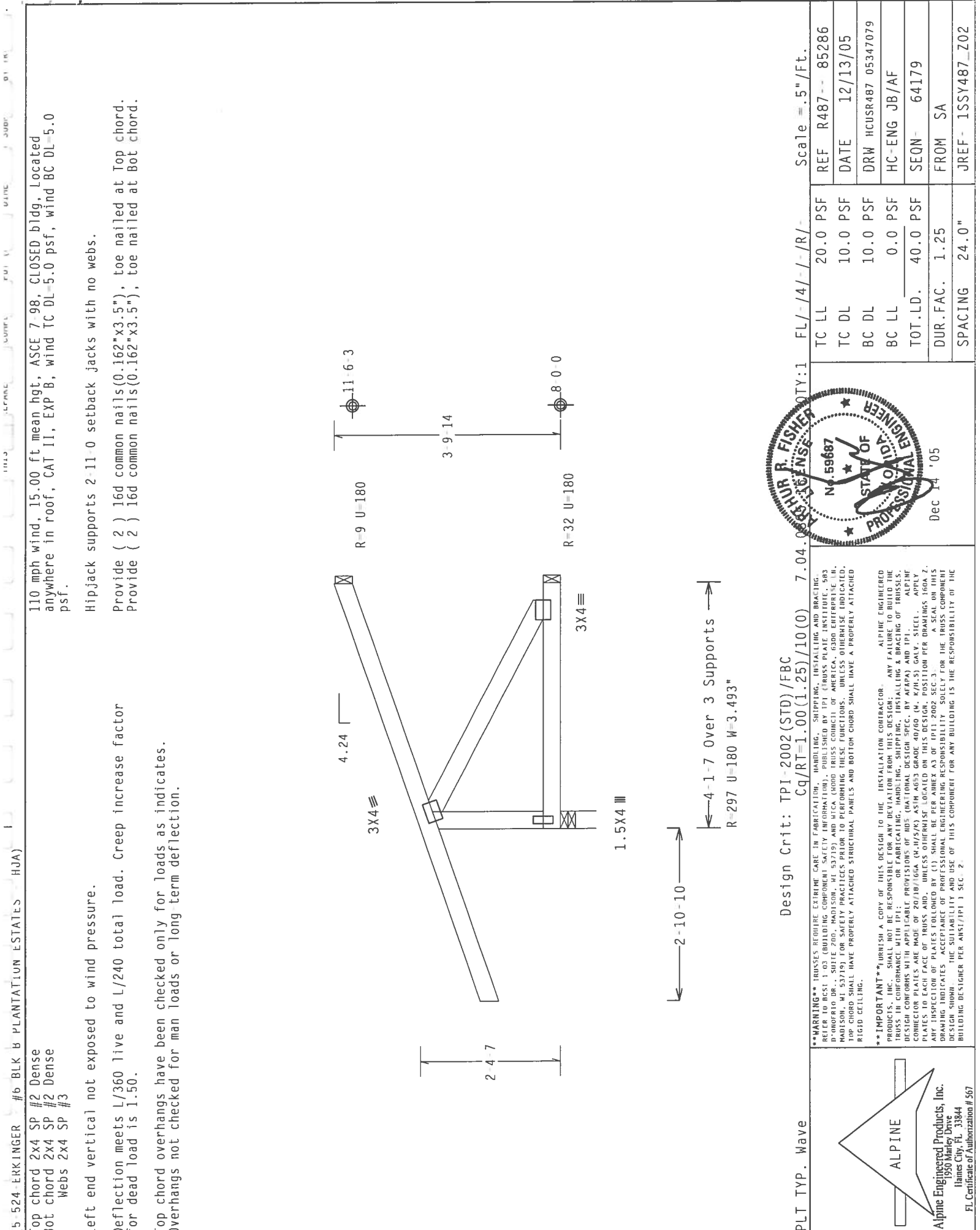
IMPORTANT-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE PRODUCT AS SHOWN WILL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS CONCERNING INSTALLING, BRACING & BRACING OF TRUSSES.

CONNECTIONS BETWEEN TRUSS MEMBERS SHALL BE MADE BY WELDED CONNECTIONS. ALL STEEL PLATES AND CONNECTOR PLATES ARE MADE OF 2010/16GA U.S. ASTM A563 GRADE 49/60 U.S. GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA. 2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TP11 2002 SEC. 2.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX TP11 SEC. 2.



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



(5-524-ERKINGER #6 BLK B PLANTATION ESTATES HJA)

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

Left end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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

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

Hipjack supports 2-11-0 setback jacks with no webs.

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.

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.00

PLT TYP. Wave

Scale = .5" / Ft.

REF R487 -- 85286
DATE 12/13/05
DRW HCUSR487 05347079
HC-ENG JB/AF
SEQN 64179
FROM SA
JREF- 1SSY487-Z02

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"

FL / - / 4 / - / R / -

QUANTITY: 1

ALPINE
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FL Certificate of Authorization # 567

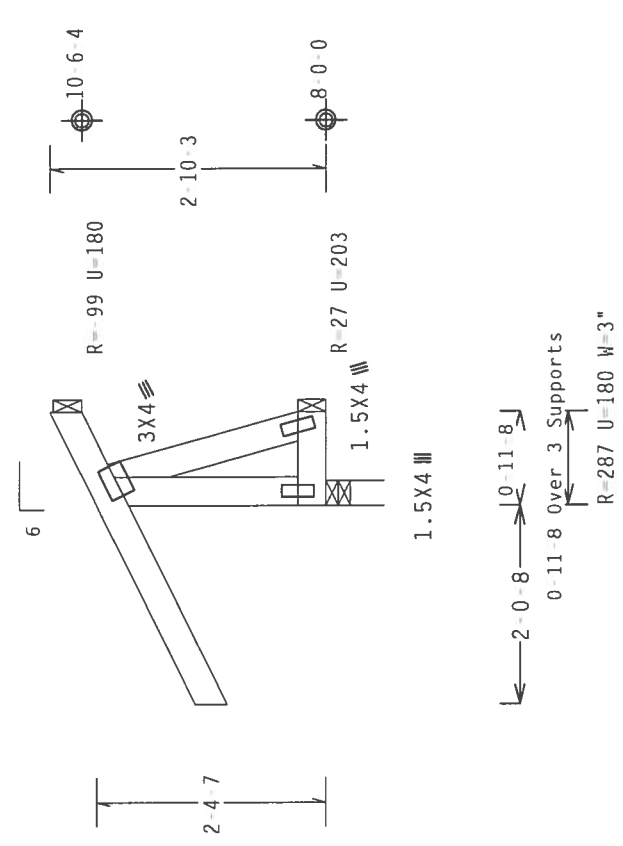
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

110 mph wind, 10.10 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

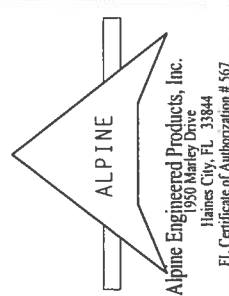
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

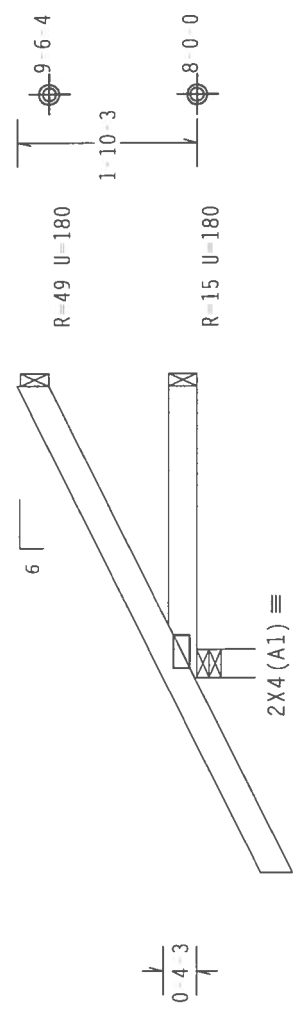
Design Crit: $\text{TPI-2002(STD)}/\text{FBC}$
 $\text{Cq}/\text{RT}=1.00(1.25)/$

PLT TYP. Wave Wave
 7.04.00 QTY: 1 FL / - / 4 / - / - / R /
 H. FISHER
 Cq/RT=1.00(1.25) / 10(0)
 Design Crit: IPI-2002 (STD) / FBC
 Scale = .5" / Ft.

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

IMPORTANT—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THIS TRUSS COMPONENT WITH THE FOLLOWING MANUFACTURING, ERECTING, INSTALLING & BRACING OF TRUSSES, OR THE TRUSS COMPONENTS, OR THE PROPOSED BRACING, SHALL BE THE SOLE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. CONNECTOR PLATES ARE MADE OF 20/10/16G (9.8/15/16) ASTM A575 GRADE 40/60 (H, K/15S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND (WHATEVER LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IPT1-2002 SEC.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX IPT1-1 SEC. 2.



[illegible]

$\overleftarrow{\hspace{1.5cm}} 2-0-0 \overrightarrow{\hspace{1.5cm}}$
 $\overleftarrow{\hspace{2.5cm}} 3-0-0 \text{ Over 3 Supports } \overrightarrow{\hspace{2.5cm}}$
 R-317 U=180 W=3.5"

PLT TYP. Wave



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

FL Certificate of Authorization # 567

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.04.05

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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI'S OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AASFP) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2019/T6064 (40/57/K) ASTM A653 GRADE 40/60 (40, 60/25) GALV. STEEL. APPLY FABRICATING FACTORY TRUSS UNLESS OTHERWISE SPECIFIED. UNLESS OTHERWISE SPECIFIED, POSITION PER DRAWING. LOOK FOR INSPECTION CHECKLISTS. UNLESS OTHERWISE SPECIFIED, ALL TRUSSES SHALL BE ENGINEERED AS PER THE TRUSS COMPONENT DRAWING INDICATES. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Scale = 5" / Ft.

REF R487 - 85290

DATE 12/13/05

DRW HCUSR487 05347083

HC-ENG JB/AF

SEQN - 64000

FROM SA

JREF - 1SSY487_202

TY:16 FL/-/4/-/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"	

THUR R. FISHER
LICENSE
No. 99887
★ / ★
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

DEC 14 2005



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

1110 mph wind, 8.10 ft mean hgt. ASCE 7-98. CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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.



$\overleftarrow{\quad} \overrightarrow{\quad} 2-0-0 \overleftarrow{\quad} \overrightarrow{\quad}$
 $\overleftarrow{\quad} \overrightarrow{\quad} 1-0-0 \overleftarrow{\quad} \overrightarrow{\quad}$ Over 3 Supports
 $R=361 \quad W=180 \quad W=3.5"$

Design Crit: TPI-2002(STD)/FBC

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

FL/-/4/-/-/R/-

Scale = .5"/Ft.

[illegible]

* PRODUCT - "I HEREBY UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALTHOUGH ENGINEERS AND ARCHITECTS SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, OR ERECTING THEM SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. (BY ATMA) AND TPI SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSSES DURING TRANSPORTATION, STORAGE, OR ERECTION." (BY TPI)

* CONNECTION PLATES ARE MADE OF 7069/1626A W/ALUMINUM COATED STEEL

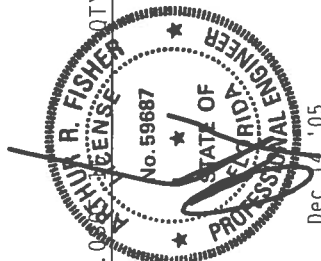
* BOLTS ARE 1/2" DIA. 7069/1626A W/ALUMINUM COATED STEEL

* PLATES TO EACH FACE OF TRUSSES 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.

* DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THIS TRUSS COMPONENT

* THE SIGNATURE OF THE DESIGNER IS THE SIGNATURE OF THE CONTRACTOR FOR ANY BUILDING AS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX I/P1 1 SEC. 2.



Dec 1, 195

ALPINE

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

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(5-524-ERKINGER #6 BLK B PLANTATION ESTATES JK)

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

110 mph wind, 11.88 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 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.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

6

1.5X4

0-11-1

1.5X4

R-119 U=180

2 10-3

R-40 U=180

12-6-4

10-0-0

3-10-3 Over 3 Supports

R-158 U=180 W 4.2"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.22.1

Scale =.5"/Ft.

ALPINE

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

ARTURO R. FISHER

No. 59687

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Dec 4 '05

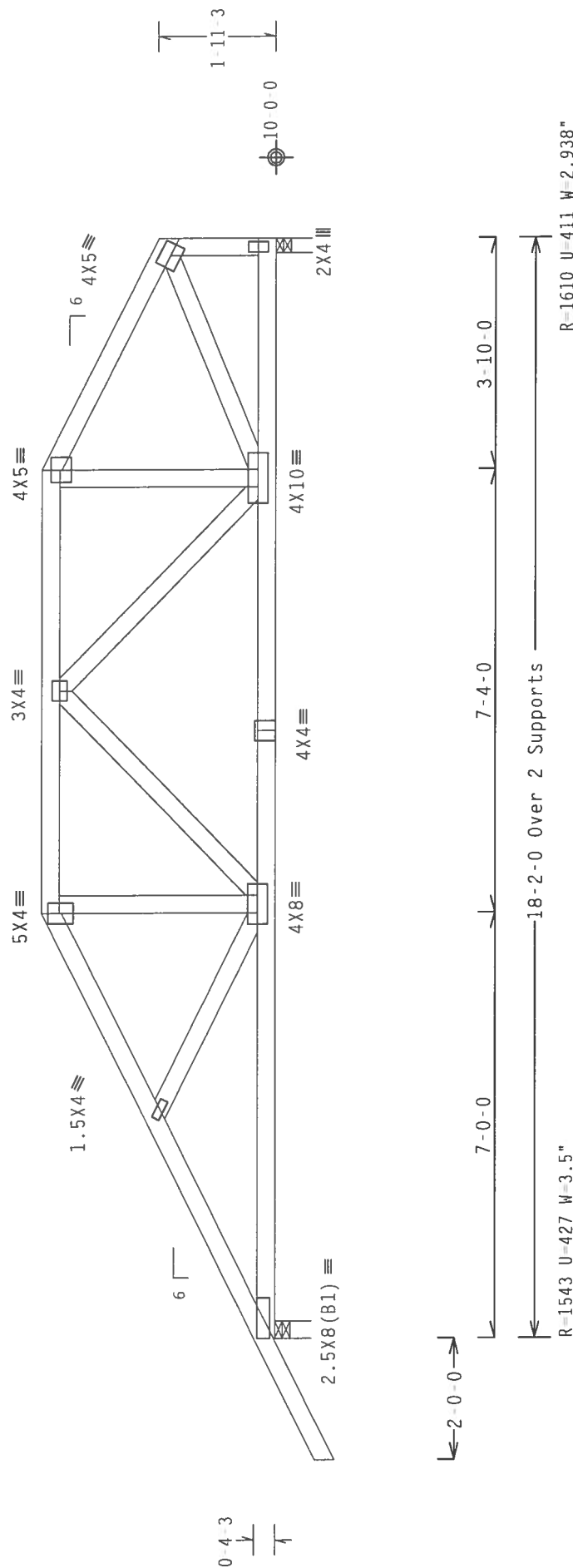
TC LL	20.0 PSF	REF	R487 - -	85292
TC DL	10.0 PSF	DATE	12/13/05	
BC DL	10.0 PSF	DRW	HCUSR487	05347052
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN-	129178	REV
DUR.FAC.	1.25	FROM	SA	
SPACING	24.0"	JREF-	1SSY487_Z02	

	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=5.0 psf, wind BC DL=5.0 psf.

#1 hip supports 7-0-0 jacks at left end and 3-10-0 jacks at right end. Jacks have no webs.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Ca/RT=1.00(1.25)

PLT TYP. Wave

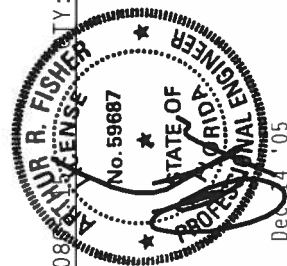
04.085

FL/-/4/-/-/R/-/

Scale = .375"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALL TRUSSES MUST BE PROPERLY IDENTIFIED AND MARKED BY THE MANUFACTURER. PUBLIC NOTICE BY CROSS PLATE INSTITUTE 3831 W. 130TH AVE., SUITE 100, GLENVIEW, ILL. 60045, PHONE (708) 551-1100. FOR SAFETY PRECAUTIONS PRIOR TO PERFORMING THESE LIFELINES, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LEAD CELLING.

IMPORTANT: SUBMIT A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. FOR STEEL) AND TPI (STEEL DESIGN GUIDE 1) SHALL BE THE BASIS FOR THE TRUSS DESIGN. THE TRUSS SHALL BE BUILT TO THE TPI SPECIFICATIONS. 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 AISC 3.4 OF TPI 1.2009 SEC. 3. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT OF THE TRUSS SYSTEM. THE DESIGN AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING-DESIGNER. (PER AISC 3.4.1) SEC. 3.



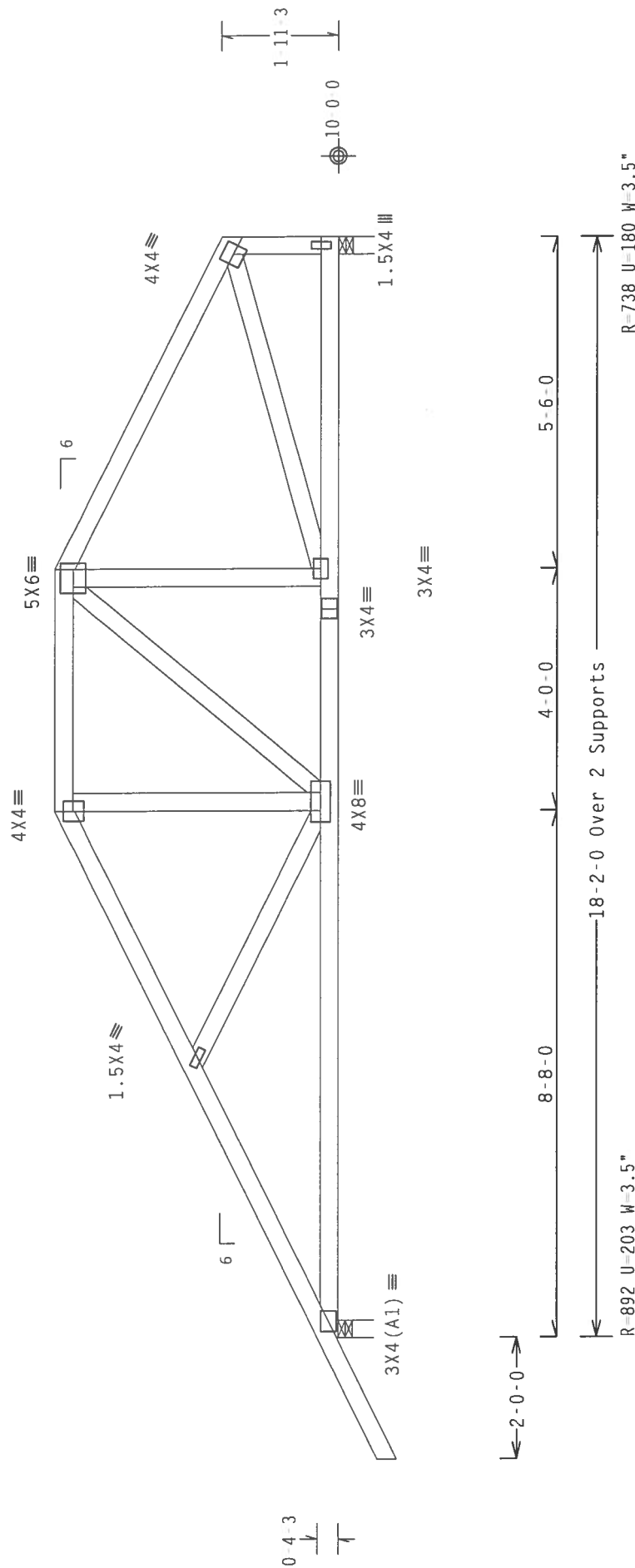
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

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

110 mph wind, 12.01 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

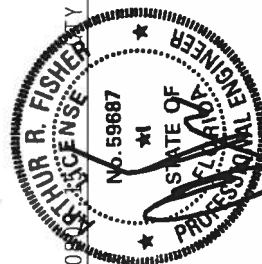
080114CENSE...:1

Scale = .375"/Ft.

FL/-/4/-/-/R/-

[illegible]

****IMPORTANT**** TURNISH 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 THE _____ OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING THE TRUSS CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND STEEL EDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS AND THE 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 AISC 4.4 OF TP11 2009 SEC.3. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS DESIGN. THE ACCEPTANCE OF THIS CONTRACT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC TP11 1 SEC.2.



Dec 14, 05

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

FL. Certificate of Authorization # 567

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

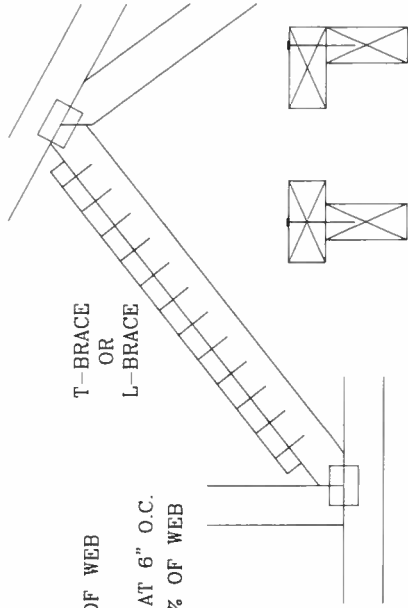
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

T-BRACING
OR
L-BRACING:

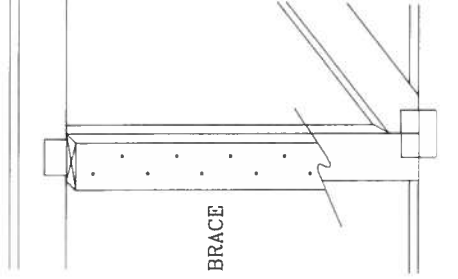
APPLY TO EITHER SIDE OF WEB
NARROW FACE
ATTACH WITH 16d NAILS AT 6" O.C.
BRACE IS A MINIMUM 80% OF WEB
MEMBER LENGTH



T-BRACE
L-BRACE

SCAB BRACING:

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



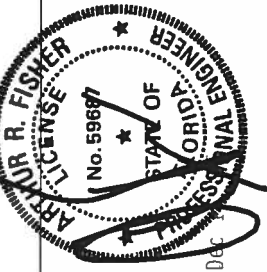
SCAB BRACE

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR BUILDING COMPONENTS, SAFETY, ERECTION, PUBLISHING, INSPECTION, AND MAINTENANCE. SEE 583 DOWDRIED DR. SUITE 200, MADISON, WI 53719 AND VICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BRACE, OR ANY OTHER CONSTRUCTION DEFECTS. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC, BY AISC AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W/K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. 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 THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRCLBSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

THIS DRAWING REPLACES DRAWING 579.640

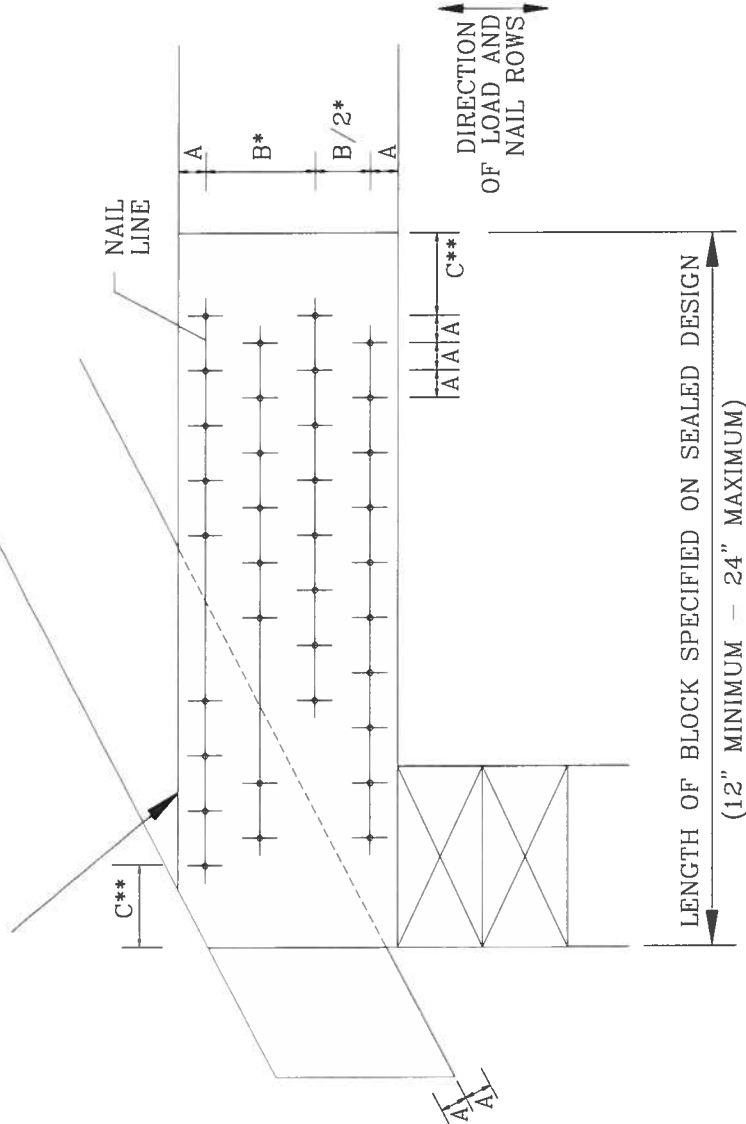
BEARING BLOCK NAIL SPACING DETAIL

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

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

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

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



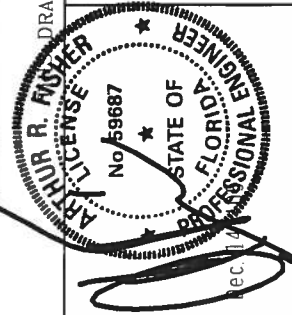
MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

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

MINIMUM NAIL SPACING DISTANCES

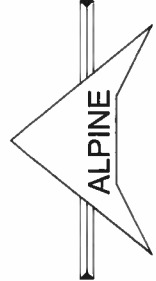
NAIL TYPE	DISTANCES		
	A	B*	C**
8d BOX (0.113"x2.5")	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"x3")	7/8"	1 5/8"	2"
12d BOX (0.128"x3.25")	7/8"	1 5/8"	2"
16d BOX (0.135"x3.5")	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"x4")	1"	1 7/8"	2 1/4"
8d COMMON (0.131"x2.5")	7/8"	1 5/8"	2"
10d COMMON (0.148"x3")	1"	1 7/8"	2 1/4"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

DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 DUNDRIE DR., SUITE 200, MADISON, WI 53719, AND WTC (WOOD TRUSS COUNCIL) 1000 W. 10TH AVE., SUITE 100, DENVER, CO 80202. THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY A&P) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/SX) ASTM A653 GRADE 40/60 (K/4) GALV. STEEL. GALV. STEEL PLATES TO EACH TRUSS AND UNLESS OTHERWISE LOCATED OR NOTED OTHERWISE, GALV. STEEL PLATES SHALL BE PER ANNE 3 OF TPI 1-2002. SEC. 2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGBLK1103
-ENG	SJP/KAR