

07 000 46  
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: 1T34487-Z0314083835

Truss Fabricator: Anderson Truss Company  
Job Identification: 6-419--Jonathan Perry Lot 11 Stonehenge -- , \*\*  
Truss Count: 43  
Model Code: Florida Building Code 2004  
Truss Criteria: ANSI/TPI-2002(STD)/FBC  
Engineering Software: Alpine Software, Version 7.26.  
Minimum Design Loads: Roof - 32.0 PSF @ 1.25 Duration  
Floor - N/A  
Wind - 110 MPH ASCE 7-02 -Closed



Seal Date: 12/14/2006

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. As shown on attached drawings; the drawing number is preceded by: HCUSR487

-Truss Design Engineer-  
Arthur R. Fisher

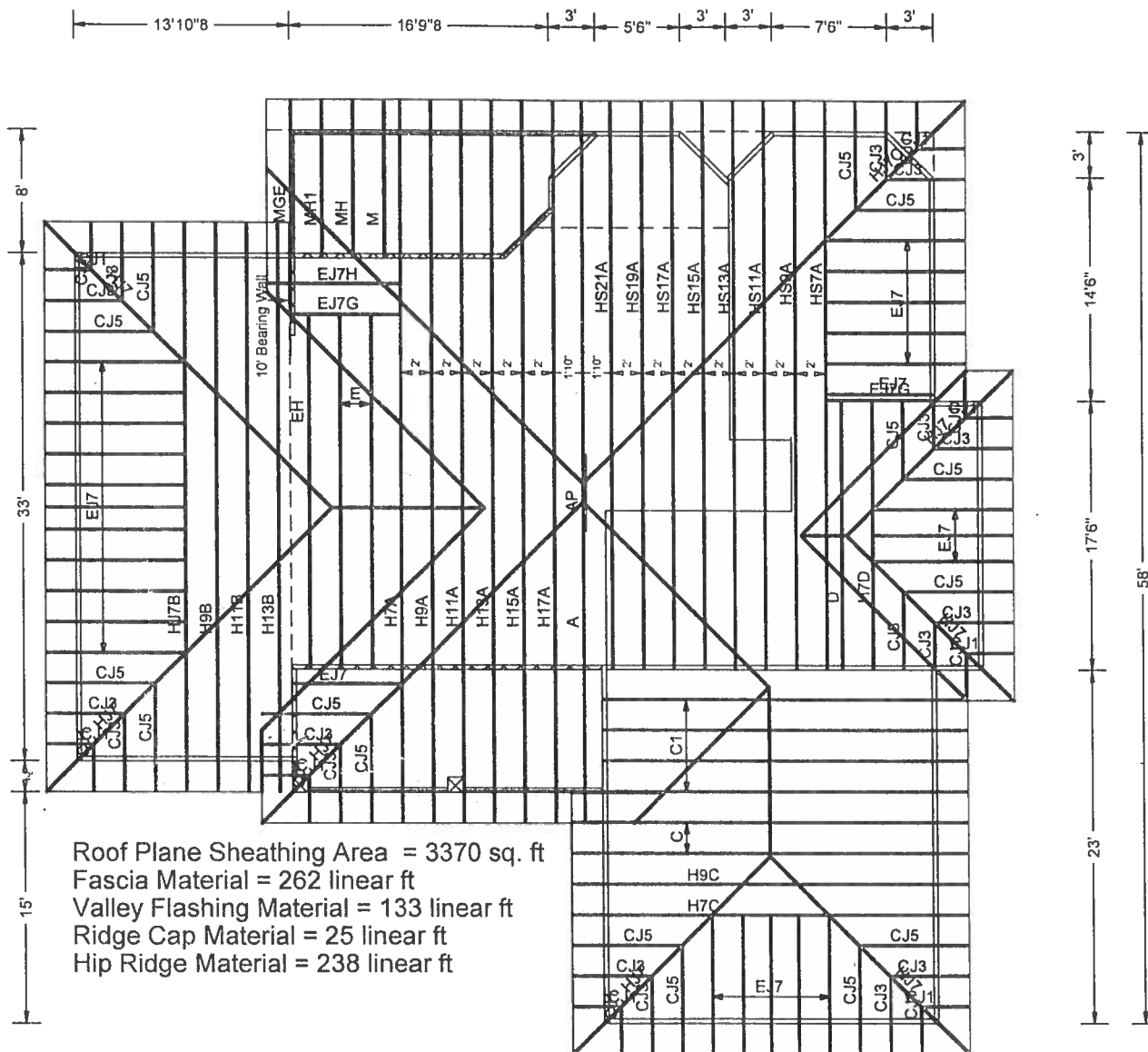
Florida License Number: 59687  
1950 Marley Drive  
Haines City, FL 33844

Details: BRCLBSUB-TCFILLER-BCFILLER-CNBRGBLK-A11015EE-GBLLETIN-140PB-

| #  | Ref         | Description    | Drawing# | Date     |
|----|-------------|----------------|----------|----------|
| 1  | 12294-A     | 43' Stepdown H | 06347092 | 12/13/06 |
| 2  | 12295-H13A  | 43' Stepdown   | 06347093 | 12/13/06 |
| 3  | 12296-H11A  | 43' Special    | 06347094 | 12/13/06 |
| 4  | 12297--H9A  | 43' Special    | 06347095 | 12/13/06 |
| 5  | 12298-H7A   | 43' Special    | 06347121 | 12/13/06 |
| 6  | 12299-H15A  | 43' Stepdown   | 06347096 | 12/13/06 |
| 7  | 12300-H17A  | 43' Stepdown   | 06347097 | 12/13/06 |
| 8  | 12301-HS21A | 35' Stepdown   | 06347098 | 12/13/06 |
| 9  | 12302-HS7A  | 35' Special    | 06347122 | 12/13/06 |
| 10 | 12303-HS9A  | 35' Mono Hi    | 06347099 | 12/13/06 |
| 11 | 12304-HS11A | 35' Mono H     | 06347100 | 12/13/06 |
| 12 | 12305-HS13A | 35' Stepdown   | 06347101 | 12/13/06 |
| 13 | 12306-HS17A | 35' Stepdown   | 06347102 | 12/13/06 |
| 14 | 12307-HS19A | 35' Stepdown   | 06347103 | 12/13/06 |
| 15 | 12308-HS15A | 35' Stepdown   | 06347104 | 12/13/06 |
| 16 | 12309-H13B  | 33' Stepdown   | 06347080 | 12/13/06 |
| 17 | 12310-H11B  | 33' Stepdown   | 06347081 | 12/13/06 |
| 18 | 12311-H9B   | 33' Stepdown   | 06347082 | 12/13/06 |
| 19 | 12312-HJ7B  | 33' Stepdown   | 06347118 | 12/13/06 |
| 20 | 12313--C    | 21'9" Common   | 06347083 | 12/13/06 |
| 21 | 12314--C1   | 21'9" Common   | 06347084 | 12/13/06 |
| 22 | 12315-H9C   | 21'9" Stepdown | 06347085 | 12/13/06 |
| 23 | 12316-H7C   | 21'9" Stepdown | 06347120 | 12/13/06 |
| 24 | 12317-H7D   | 17'6" Stepdown | 06347116 | 12/13/06 |
| 25 | 12318--D    | 17'6" Common   | 06347105 | 12/13/06 |
| 26 | 12319--EH   | 23' Common     | 06347106 | 12/13/06 |
| 27 | 12320--E    | 23' Common     | 06347107 | 12/13/06 |
| 28 | 12321--CJ3  | 3' Jack        | 06347086 | 12/13/06 |
| 29 | 12322--CJ5  | 5' Jack        | 06347087 | 12/13/06 |
| 30 | 12323--EJ7  | 7' End Jack    | 06347088 | 12/13/06 |
| 31 | 12324-EJ7H  | 7' End Jack    | 06347089 | 12/13/06 |
| 32 | 12325-EJ7G  | 7' Common G    | 06347119 | 12/13/06 |
| 33 | 12326--CJ5  | 5' Jack        | 06347090 | 12/13/06 |
| 34 | 12327--CJ3  | 3' Jack        | 06347091 | 12/13/06 |
| 35 | 12328--CJ1  | 1' Jack        | 06347108 | 12/13/06 |
| 36 | 12329-HJ7   | 9'10"13 Hip    | 06347115 | 12/13/06 |

| #  | Ref        | Description   | Drawing# | Date     |
|----|------------|---------------|----------|----------|
| 37 | 12330--EJ7 | 7' End Jack   | 06347114 | 12/13/06 |
| 38 | 12331-HJ7C | 9'10"13 Hip   | 06347109 | 12/13/06 |
| 39 | 12332--MGE | 8' Common     | 06347117 | 12/13/06 |
| 40 | 12333-MH1  | 8'3"8 Common  | 06347110 | 12/13/06 |
| 41 | 12334--MH  | 8'3"8 Common  | 06347111 | 12/13/06 |
| 42 | 12335--M   | 8'3"8 Common  | 06347112 | 12/13/06 |
| 43 | 12336-AP   | 5' Stepdown H | 06347113 | 12/13/06 |





14'2" 19'9" 21'9" 3'

55'8"

#6-419 JONATHAN PERRY - LOT 11 STONEHENG

JOB DESCRIPTION: Jonathan Perry  
 / Lot 11 Stonehenge

JOB NO:  
 6-419

PAGE NO:  
 1 OF 1

|           |        |          |         |                  |
|-----------|--------|----------|---------|------------------|
| Top chord | 2x4 SP | #2 Dense |         |                  |
| Bot chord | 2x4 SP | #2 Dense | :B3, B4 | 2x6 SP #1 Dense: |
| Welds     | 2x4 SP | #3       |         |                  |

Calculated horizontal deflection is 0.14" due to live load and 0.15" due to dead load.

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

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

(A) Continuous lateral bracing equally spaced on member.

Shim all supports to solid bearing.



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

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

7.26.05

FI/-/4/-/-/R/-

Scale = 125" / Ft

**WARNING** \* THIS REQUIRE EXTREME CARE IN FABRICATING, HANDLING, STORING, INSTALLING AND BRACING REFER TO RCSC (CONSOLIDATING COMPONENTS STEEL INTERPRETATION), PUBLISHED BY THE STEEL INSTITUTE, 6500 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304, AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.) ENTERPRISE LITER. MALCOLM W. 52719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC., BY AIAA) AND TPI

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z  
ANY INSPECTION OF PLATE FOLD-OUT BY (A) SHALL BE PERFORMED AS OF THIS DATE

AND INSPECTION OF FLEXIBLES FOLLOWED BY (1) SHALL BE PER ANNLX AS OF IP11 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 ARCHITECT. THE ARCHITECT SHALL BE RESPONSIBLE FOR THE DESIGN OF THE BUILDING AND THE RESPONSIBILITY FOR THE DESIGN OF THE BUILDING SHALL BE THE RESPONSIBILITY OF THE ARCHITECT.

BUILDING DESIGNER PER ANSI/API 1 SEC. 2.

1. The first part of the document is a title page. It contains the title "The History of the County of York" and the author's name "John Smith".

Alpine Engineered Products, Inc.

1950 Marley Drive

Flaines City, FL 3384

Justification

1

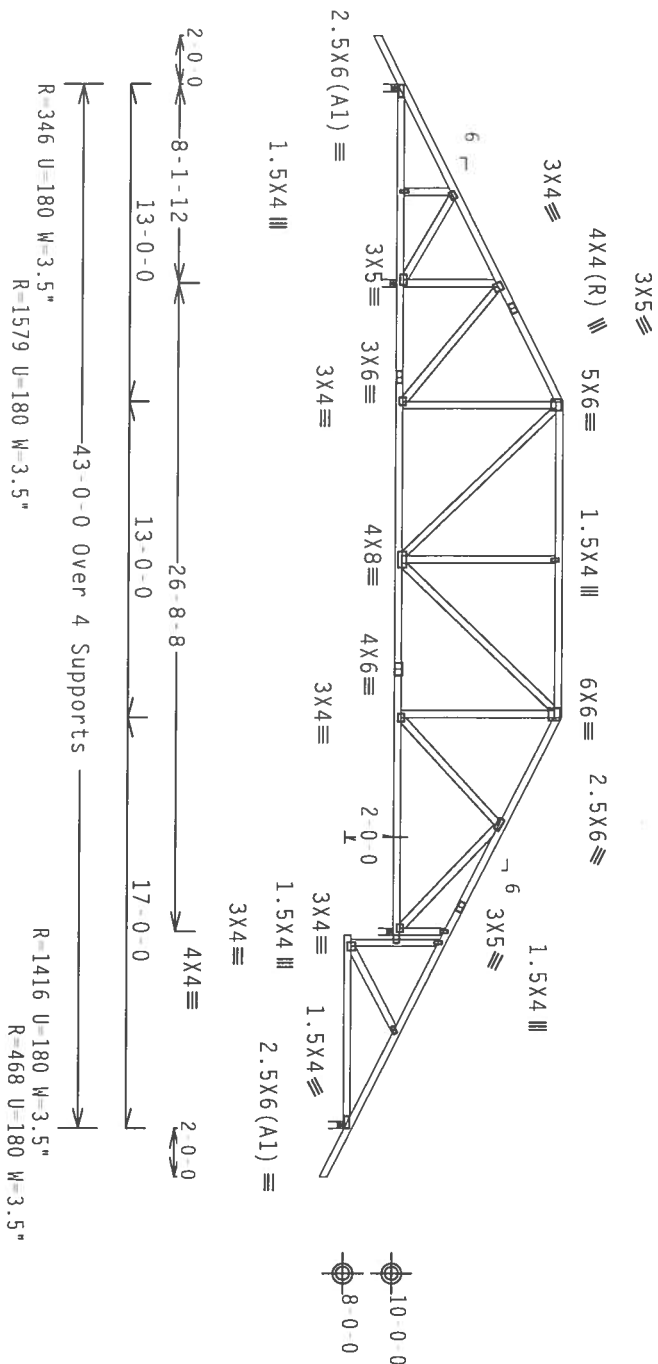
ALPINE

|          |          |        |                   |
|----------|----------|--------|-------------------|
| TC LL    | 20.0 PSF | REF    | R487-- 12294      |
| TC DL    | 10.0 PSF | DATE   | 12/13/06          |
| BC DL    | 10.0 PSF | DRW    | HCUSR487 06347092 |
| BC LL    | 0.0 PSF  | HC-ENG | KH/AF             |
| TOT.LD.  | 40.0 PSF | SEQN-  | 15554             |
| DUR.FAC. | 1.25     |        |                   |
| SPACING  | 24.0"    | JREF-  | 1T34487_Z03       |

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

Wind reactions based on MFRS pressures.

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



PLT TYP. Wave

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

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

06-11-23 CENSUS CITY: 1

Y:1 FL/-/4/-/1-/R/-

Scale = 125"/Ft

**\*\*\*WARNING\*\*\***  
 THESE RECORDS EXISTENCE CARE IN CARBONATION, HANDLING, STORING, INSTALLING AND BRACING  
 REFER TO DC-1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI, 110005, 10/11/00, 10/11/00,  
 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND APCA (AMERICAN PAPER ASSOCIATION), 6500  
 ENTERPRISE LANE, HANNOVER, VA 22960, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS  
 OTHERWISE INDICATED, FOR CLOUD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CLOUD SHALL HAVE  
 PROPERLY ATTACHED RIGID CEILING.

PRODUCTS INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN.

PROPOSED: THE DESIGNER IS RESPONSIBLE FOR ANY DETAILATION FROM THIS DESIGN: ANY TALKING TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE

CONTRACTOR PLATE, MADE OF 20/18 ALUMINA (H.H.55/K.S.16) A651 GRADE 40/60 (4, P./1.55) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. APP. 2 ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII 2002 SEC. 3.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN.

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

FL/14/11/R/

ICLL 20.0

10.0

10.0  
79 DL0.0  
77 78

101.50 40.00

DOI: 10.1002/for

1.  $\frac{1}{2}$

Scale = 125"/Ft

REF R487 - 12291

DATE 12/13/06

DKW HCUSR487 063470

mC-ENG KHz/AF

SECRET - 15535

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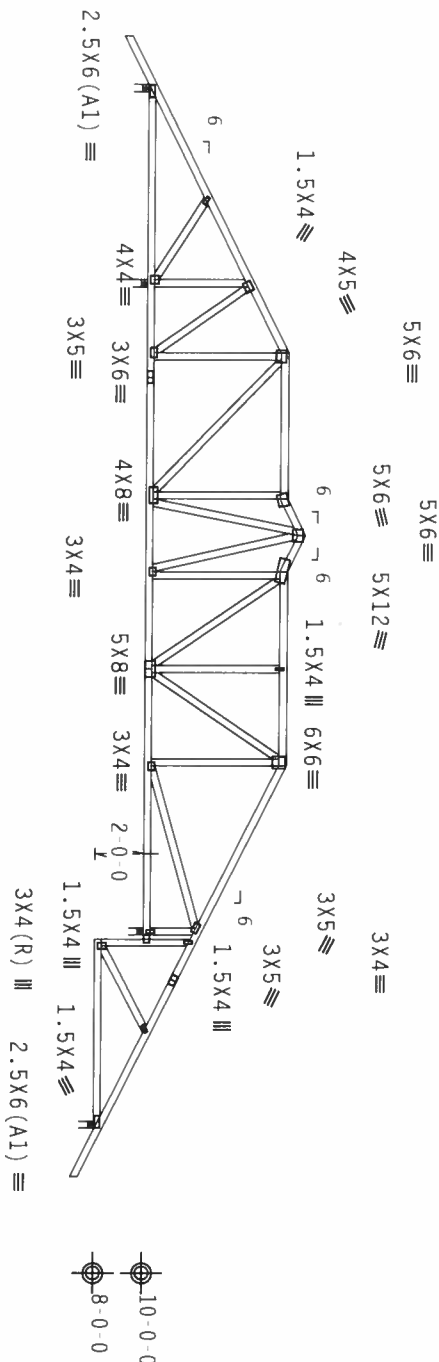
07-104615

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

Wind reactions based on MMFRS pressures.

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

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



2-0-0  
8-1-12  
11-0-0  
6-0-0  
1-6-10-0  
26-8-8  
8-0-0  
15-0-0  
7-10-0  
35-2-0  
43-0-0 Over 4 Supports  
2-0-0  
R=267 U=180 W=3.5"  
R=1684 U=180 W=3.5"  
R=1404 U=180 W=3.5"  
R=454 U=180 W=3.5"

PLT TYP. Wave

Design Cmt: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.26.00

FL/-/4/-/R/-

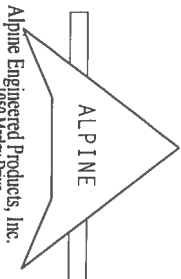
Scale = .125"/Ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO NCST (BUILDING COMPONENT SAFETY) FOR MORE INFORMATION. (2011) AND NCST (WOOD SHIPING, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

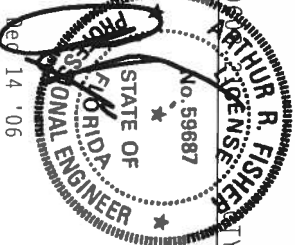
\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AREA) AND TPI. ALPINE CONSTRUCTION PLATES ARE MADE OF 20/18/16GA (W/55/K) ASTM A653 GRADE 40/60 (W, K/11/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z.

INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEA AS OF TPI 1 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineering Products, Inc.  
1950 Marley Drive  
James City, FL 33844  
Certificate # 133844



| TC LL    | 20.0 PSF | REF    | R487 - 12296      |
|----------|----------|--------|-------------------|
| TC DL    | 10.0 PSF | DATE   | 12/13/06          |
| BC DL    | 10.0 PSF | DRW    | HCUSR487 06347094 |
| BC LL    | 0.0 PSF  | HC-ENG | KH/AF             |
| TOT.LD.  | 40.0 PSF | SEQN-  | 15529             |
| DUR.FAC. | 1.25     |        |                   |
| SPACING  | 24.0"    | DRFF   | 1T34487_203       |



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

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



Scale = .125"/Ft.

No. 59687

STATE OF  
VERMONT



Dec 14, 06

|               |                      |
|---------------|----------------------|
| FL/-/4/-/-R/- | Scale = .125"/ft.    |
| TC LL         | REF R487 - 12297     |
| TC DL         | DATE 12/13/06        |
| BC DL         | DRW HCUR487 06347095 |
| BC LL         | HC-ENG KH/AF         |
| TOT.LD.       | SEON- 15523          |
| DUR.FAC.      | 1.25                 |
| SPACING       | 24.0"                |
|               | JREF- 1T34487_Z03    |

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense :B3 2x6 SP #2:  
Webs 2x4 SP #3

Wind reactions based on MIFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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

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

| TC | From | PLF at | to | PLF at |
|----|------|--------|----|--------|
| 1c | 62   | 2.00   | 62 | 0.00   |
| 1c | 62   | 43.00  | 62 | 0.00   |

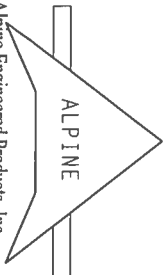
| TC | From | 67 PLF at 43.00 to | 67 PLF at 45.00 |
|----|------|--------------------|-----------------|
| BC | From | 20 PLF at 0.00 to  | 20 PLF at 43.00 |

|    |     |          |               |
|----|-----|----------|---------------|
| TC | 187 | LB Conc. | Load at 7.06  |
| TC | 45  | LB Conc. | Load at 33.06 |

|    |         |       |               |
|----|---------|-------|---------------|
| BC | 448 LB  | Conc. | Load at 7.00  |
| BC | 1550 LB | Conc. | Load at 31.06 |
| BC | 3341 LB | Conc. | Load at 33.00 |

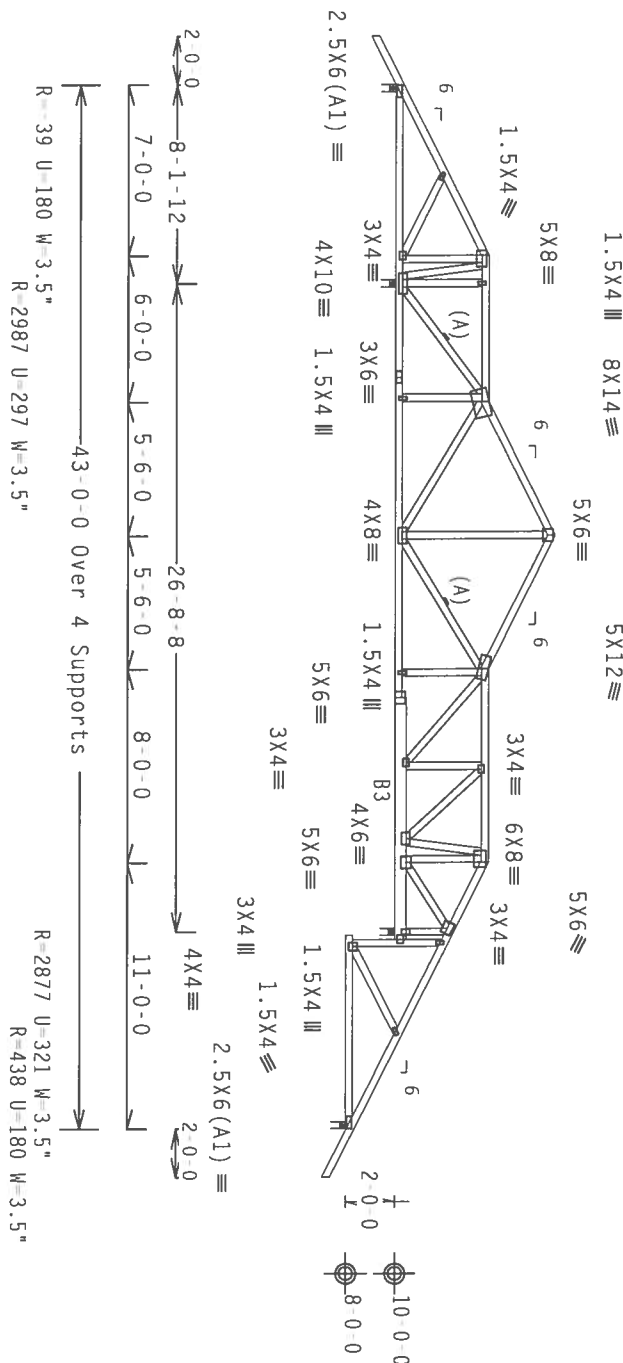
BC = 224 LB Conc. Load at 33.06

PLT TYP. Wave



Alpine Engineered Products, Inc.

1950 Marney Drive  
Haines City, FL 33844  
Toll-free 1-800-4-A-TRUCK  
Toll-free 1-800-4-A-TRUCK



Design Crit: TPI-2002(STD)/FBC

$$\underline{Cq/RT=1.00(1.25)/10(0)}$$

7.26.06

FL/4/-/R/-

Scale = .125"/Ft.

**WARNING:** THESE RECURRING REPAIRS, IN PARTICULAR, HANDLING, SHIPMENT, INSTALLING AND BRACING REFER TO BECI (BUILDING CODE COMPLIANCE SAFETY INFORMATION), PUBLISHED BY THE TIERCE PAPER INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND WICA (WOOD JOINTS COUNCIL OF AMERICA), 6900 ENTERPRISE LANE, HANSON, MI 49319 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

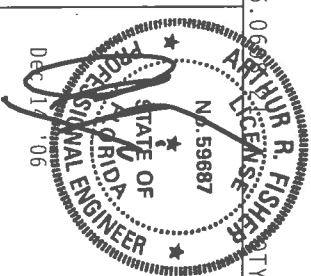
**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

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, TAKEN IN CONFORMANCE WITH APPLICABLE PROVISIONS OF ANY APPLICABLE DESIGN CODE, SHALL BE THE RESPONSIBILITY OF THE USER OF THE TRUSS.

CONNECTIONS WITH APPLICABLE PROVISIONS OF THE AISC AND THE ALPHABETICALLY LISTED REFERENCES SHALL BE USED UNLESS OTHERWISE SPECIFIED. STEEL CONNECTION PLATES ARE MADE OF 20/18/1664 (W/H/SS) ASTM A553 GRADE 50/60 (W, K/H/SS) GALV. STEEL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP11/2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

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

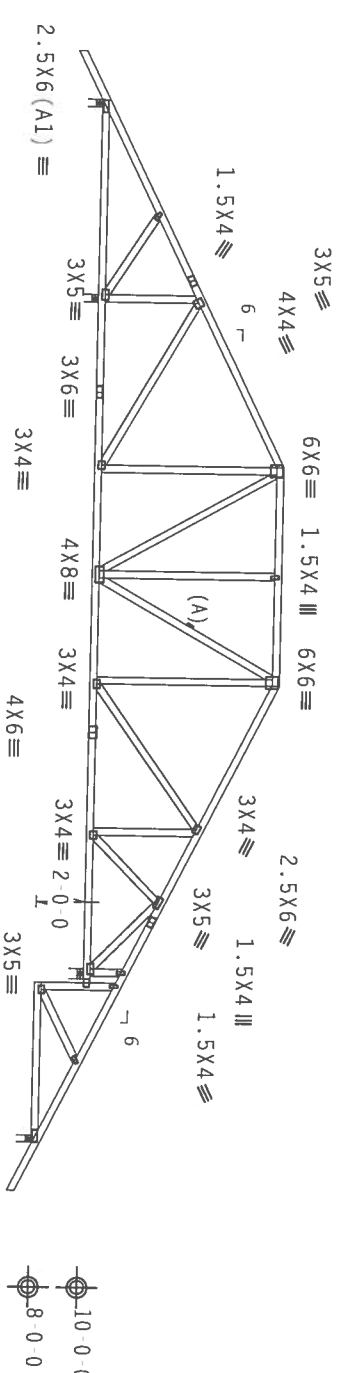


|                  |                      |
|------------------|----------------------|
| FL/-/4/-/4/-/R/- | Scale = .125"/Ft.    |
| TC LL 20.0 PSF   | REF R487 - 12298     |
| TC DL 10.0 PSF   | DATE 12/13/06        |
| BC DL 10.0 PSF   | DRW HCUR487 06347121 |
| BC LL 0.0 PSF    | HC-ENG KH/AF         |
| TOT.LD. 40.0 PSF | SEQN 15517           |
| DUR.FAC. 1.25    |                      |
| SPACING 24.0"    | JRFF- 1T34487_203    |

Wind reactions based on MWFRS pressures.

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

(A) Continuous lateral bracing equally spaced on member.



2'-0" 0  
8'-1'-12  
15'-0" 0  
27'-10" 4  
9'-0" 0  
36'-4" 8  
43'-0" 0 Over 4 Supports  
19'-0" 0  
6'-7" 8  
2'-0" 0  
R=388 U=180 W=3.5"  
R=1567 U=180 W=3.5"  
R=1438 U=180 W=4.95"  
R=416 U=180 W=3.5"

PLT TYP. Wave

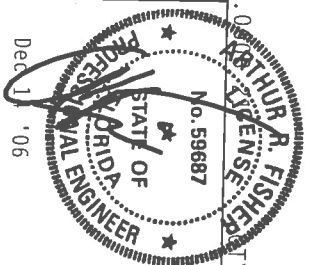
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.26.0

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGN (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 100 N. MICHIGAN, SUITE 312, ALEXANDRIA, VA, 22314, AND WFLA (WOOD TRUSS CONSTRUCTION), 6200 OTHERMIST DRIVE, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PLATES AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH APPLICABLE PROVISIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. APPLICABLE PROVISIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. APPLICABLE PROVISIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

ALPINE

Alpine Engineered Products, Inc.  
1990 Manley Drive  
Haines City, FL 33844  
Phone # 888-333-3333  
Fax # 888-333-3333



| FL/-/4/-/R/-     | Scale = .125"/ft.    |
|------------------|----------------------|
| TC LL 20.0 PSF   | REF R487-- 12299     |
| TC DL 10.0 PSF   | DATE 12/13/06        |
| BC DL 10.0 PSF   | DRW HCUR487 06347096 |
| BC LL 0.0 PSF    | HC-ENG KH/AF         |
| TOT.LD. 40.0 PSF | SEQN- 15541          |
| DUR.FAC. 1.25    |                      |
| SPACING 24.0"    | IRREF- 11724007 7003 |



(6 419 Jonathan Perry Lot 11 Stonehenge , \*\* H17A 43' Steardown Hip)

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

Wind reactions based on MFRS pressures.

See Detail BC/FILLER1106 for Bottom Chord Filler details.  
Laterally brace BC above filler @24" O.C. Including a  
lateral brace at chord ends.

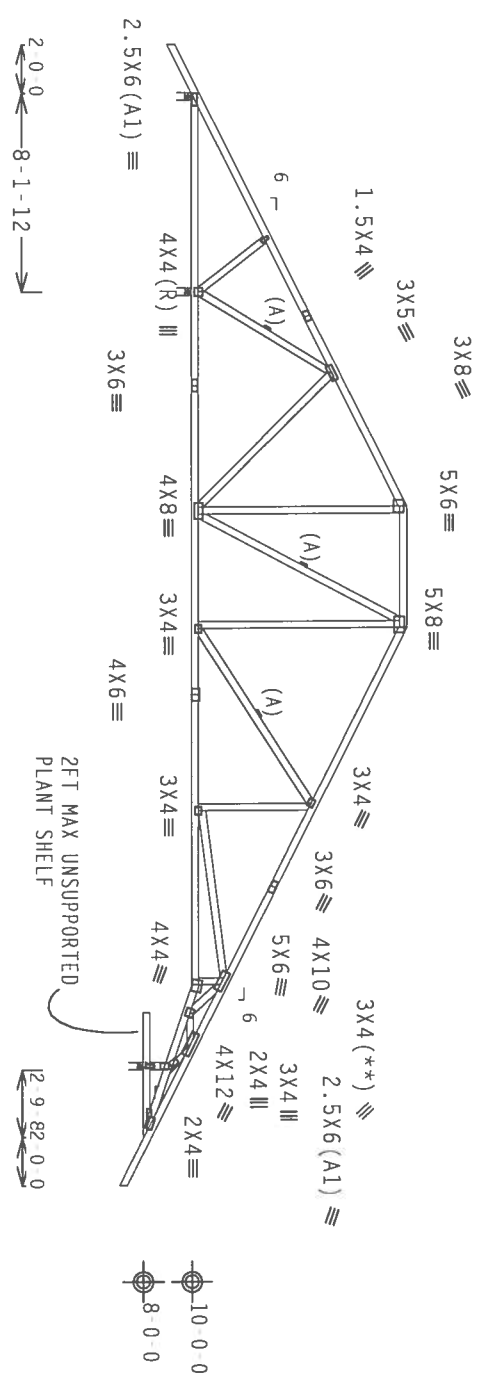
(\*\*) 1 plate(s) require special positioning. Refer to scaled  
plate plot details for special positioning requirements.

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

(A) Continuous lateral bracing equally spaced on member.

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

Shim all supports to solid bearing.



20'0" 8'-1'-12" 17'-0" 37'-10" 5'-0" 36'-8" 43'-0" Over 3 Supports 21'-0" 4'-10" 6'-3" 8" 12'-9" 82'-0"

R=127 U=180 W=3.5"  
R=2057 U=180 W=3.5"  
R=1622 U=180 W=3.53"

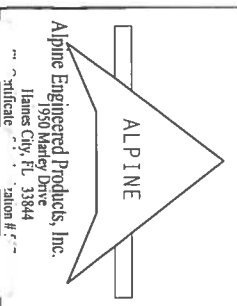
PLT TYP. Wave

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



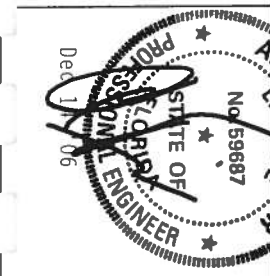
FL/-/4/-/1/R/-

Scale = .125"/Ft.



**\*\*WARNING\*\*** TRUSSES REQUIRING EXTERIOR GALT IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DETAIL (INCLUDING COMPONENT EXAMINATION), AND SHIMMED JOINTS, AND BRACING OF TRUSSES, 6300 INTERPRETATION, MAINTENANCE, 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PLATES 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-2002 (STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI-2002. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1664 (W/55/K) ASTM A653 GRADE 40/60 (W, K/55) 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 ANNEA 33 OF TPI 2002 SEC. 3. A SEAL OF THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ASCE 7-02 SEC. 2.



|          |          |        |                  |
|----------|----------|--------|------------------|
| TC LL    | 20.0 PSF | REF    | R487 - 12300     |
| TC DL    | 10.0 PSF | DATE   | 12/13/06         |
| BC DL    | 10.0 PSF | DRW    | HCUR487 06347097 |
| BC LL    | 0.0 PSF  | HC-ENG | KH/AF            |
| TOT.LD.  | 40.0 PSF | SEON-  | 15644            |
| DUR.FAC. | 1.25     |        |                  |
| SPACING  | 24.0"    | JRFF   | 1T34487_203      |

Top chord 2x4 SP #2 Dense  
Bot chord 2x6 SP #1 Dense :B3, B4 2x4 SP #2 Dense:  
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

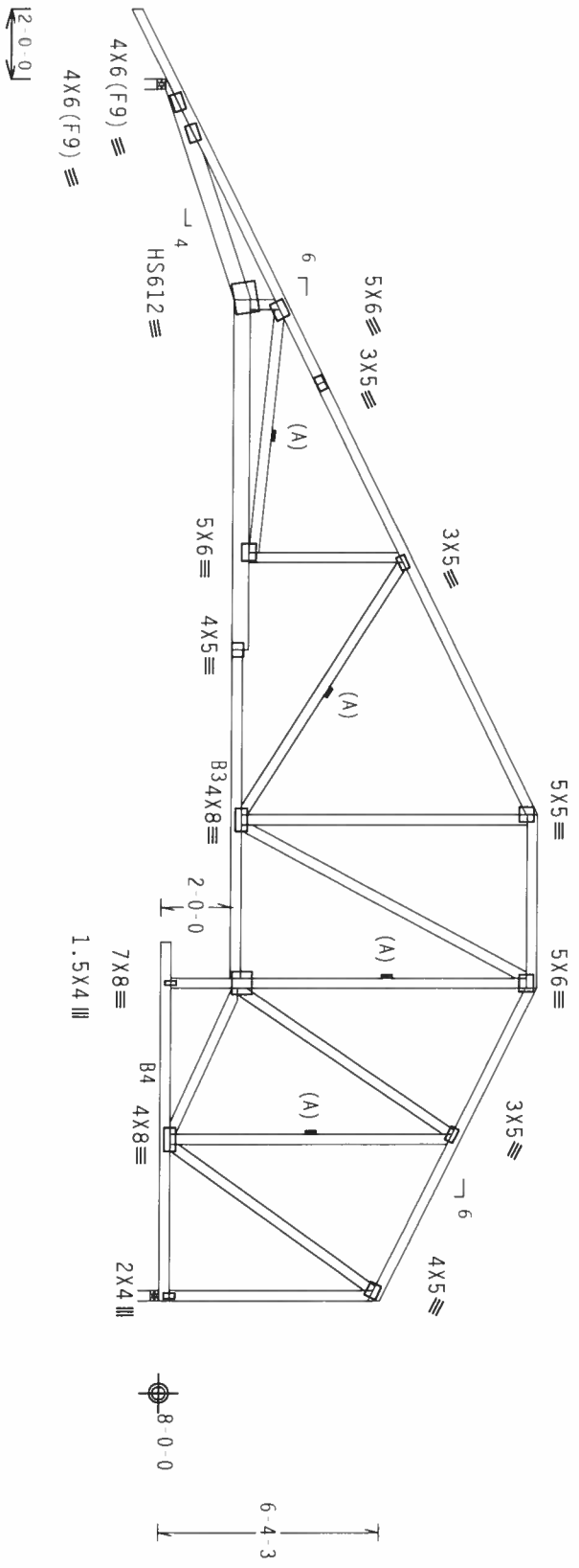
Calculated horizontal deflection is 0.23" due to live load and 0.24" due to dead load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

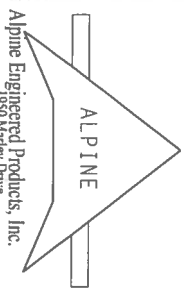


6-3-8 21-0-0 18-4-8 5-0-0 9-0-0 9-3-8  
1'-0-8  
R=1592 U=180 W=3.5"  
R=1431 U=180 W=3.5"

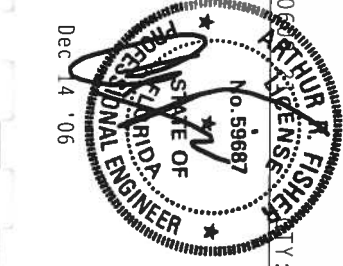
PLT TYP. 20 Gauge HS.Wave  
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.26.06

\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSTI BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY THE NATIONAL INSTITUTE OF CONSTRUCTION EDUCATION, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WICKI WOOD TRUSS COMPANY, INC., 1000 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*\*IMPORTANT\*\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. ALPINE CONDUCTOR PLATES ARE MADE OF 2018/16GA (4.0/55%) ASTM A653 GRADE 40/60 (K, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, Z.



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Station # 1



|          |          |                       |
|----------|----------|-----------------------|
| TC LL    | 20.0 PSF | REF R487-12301        |
| TC DL    | 10.0 PSF | DATE 12/13/06         |
| BC DL    | 10.0 PSF | DRW HCUSR487 06347098 |
| BC LL    | 0.0 PSF  | HC-ENG KH/AF          |
| TOT.LD.  | 40.0 PSF | SEQN- 15623           |
| DUR.FAC. | 1.25     |                       |
| SPACING  | 24.0"    |                       |

```

:14 2x6 SP #2:
Bot chord 2x6 SP #1 Dense :B2 2x8 SP SS:
Wobs 2x4 SP #3 W14 2x4 SP #3 D

```

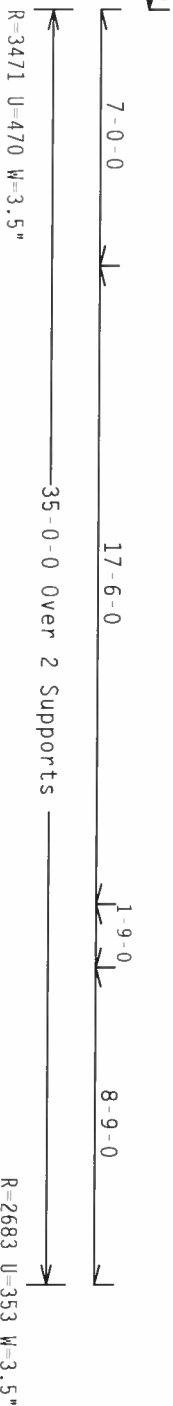
Bearing blocks: Nail type: 10d Box or Gun (0.128"x3",\_min.) nails  
BRG X-10C #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE  
1 0.000' 1 12" 4 Match Truss  
Bearing block to be same size and species as bottom chord.  
Refer to drawing CMBRGLK1103 for additional information.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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

|    |               | (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25) |                            |
|----|---------------|--|----------------------------|
| TC | From          | 62 PLF at -2.00 to                           | 62 PLF at 7.00             |
| TC | From          | 30 PLF at 7.00 to                            | 30 PLF at 17.44            |
| TC | From          | 62 PLF at 17.44 to                           | 62 PLF at 26.25            |
| TC | From          | 62 PLF at 26.25 to                           | 62 PLF at 35.00            |
| BC | From          | 4 PLF at -2.00 to                            | 4 PLF at 0.00              |
| BC | From          | 20 PLF at 0.00 to                            | 20 PLF at 7.00             |
| BC | From          | 10 PLF at 7.00 to                            | 10 PLF at 17.44            |
| BC | From          | 20 PLF at 17.44 to                           | 20 PLF at 35.00            |
| TC | 408 LB Conc.  | Load at 7.06                                 |                            |
| TC | 182 LB Conc.  | Load at 9.06,                                | 11.06, 13.06, 15.06, 17.06 |
| BC | 326 LB Conc.  | Load at 7.00                                 |                            |
| BC | 77 LB Conc.   | Load at 9.06,                                | 11.06, 13.06, 15.06, 17.06 |
| BC | 1550 LB Conc. | Load at 17.44                                |                            |

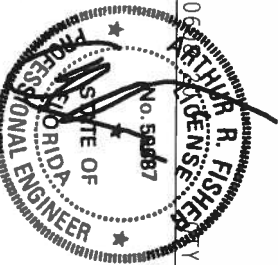


Scale = 1875"/Ft

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

Alpine Engineered Products, Inc.  
1050 Valley Drive

1950 Maaney Drive  
Haines City, FL 33844  
Certification #



Dec 14 '06

|           |          |        |                   |
|-----------|----------|--------|-------------------|
| TC LL     | 20.0 PSF | REF    | R487 - 12302      |
| TC DL     | 10.0 PSF | DATE   | 12/13/06          |
| BC DL     | 10.0 PSF | DRW    | HCUSR487 06347122 |
| BC LL     | 0.0 PSF  | HC-ENG | KH/AF             |
| TOT. LD.  | 40.0 PSF | SEQN - | 17415 REV         |
| DUR. FAC. | 1.25     |        |                   |
| SPACING   | 24.0"    | JREF - | 1T34487_Z03       |

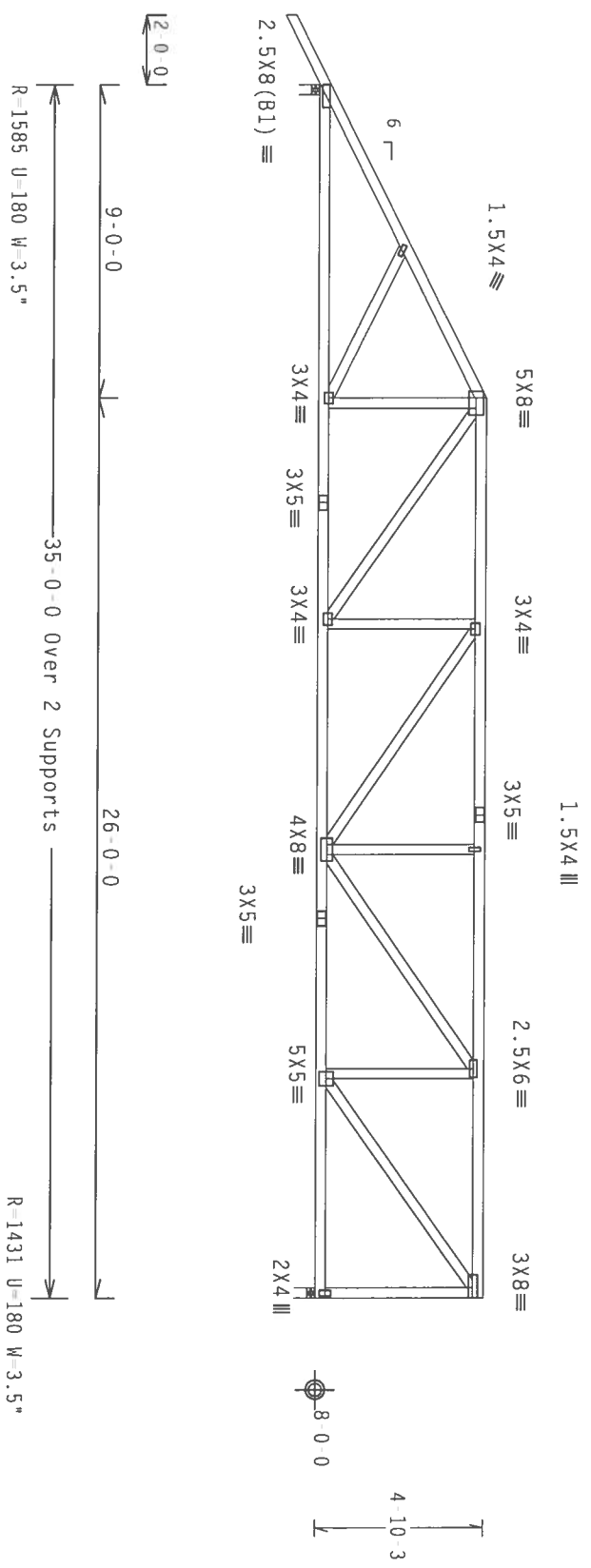
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.

Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.

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



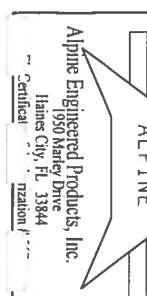
PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.26.06

Scale = .1875"/ft.

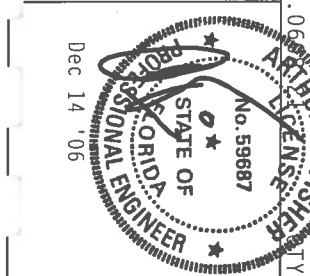


ALPINE

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

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO NCSS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. 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 905 (ADDITIONAL DESIGN SPEC. BY ACPA) AND TPI. ALPINE TRUSSES ARE TO BE USED AS PER THE TPI-2002(STD) DESIGN. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2. ANY INSPECTION OF ACCEPTANCE OF PRODUCTION TRUSSES SHALL BE DONE BY TPI-2002(STD) OR THE A SEAL ON THIS DRAWING INDICATES THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Dec 14 '06

| TC LL     | 20.0 PSF | REF R487-- 12303     |
|-----------|----------|----------------------|
| TC DL     | 10.0 PSF | DATE 12/13/06        |
| BC DL     | 10.0 PSF | DRW HCUR487 06347099 |
| BC LL     | 0.0 PSF  | HC-ENG KH/AF         |
| TOT. LD.  | 40.0 PSF | SEON- 15500          |
| DUR. FAC. | 1.25     |                      |
| SPACING   | 24.0"    | JREF- 1T34487_203    |

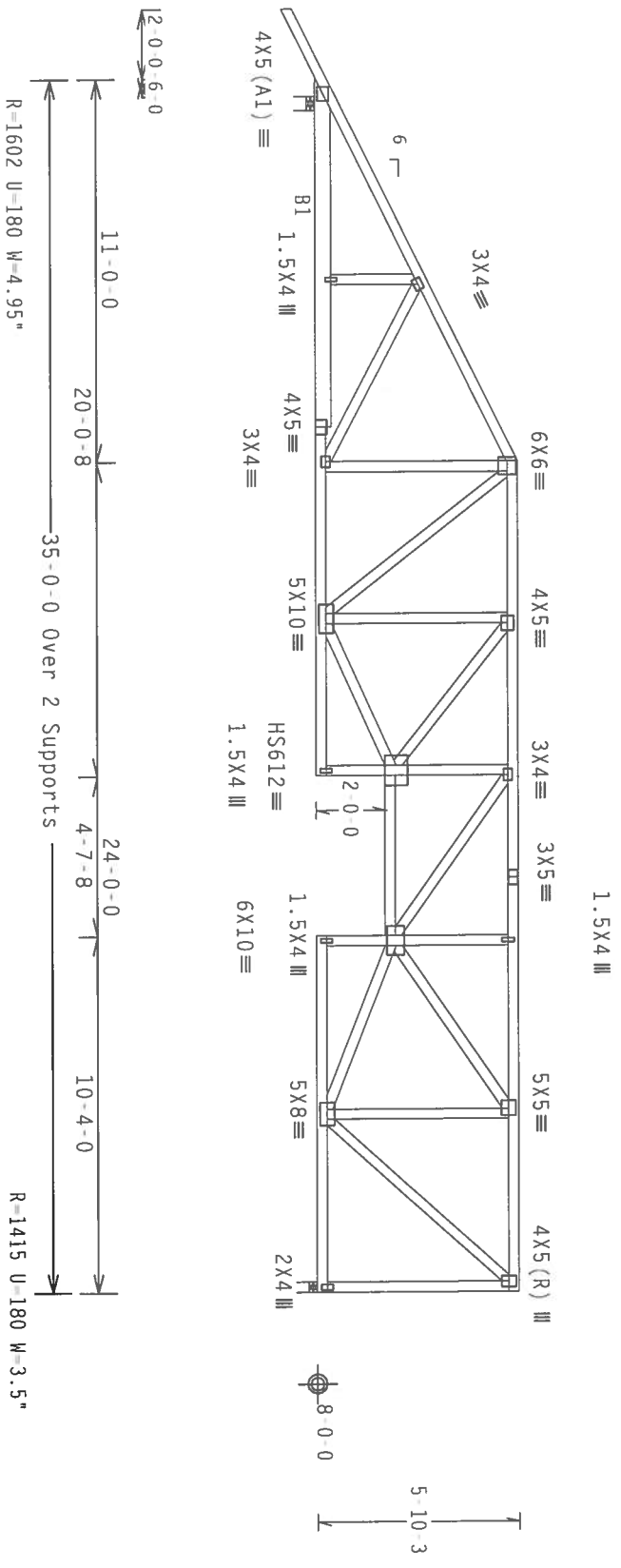
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense :B1 2x6 SP #2:  
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



PLT TYP. 20 Gauge HS, Wave

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

7.26

FL/-/4/-/R/-

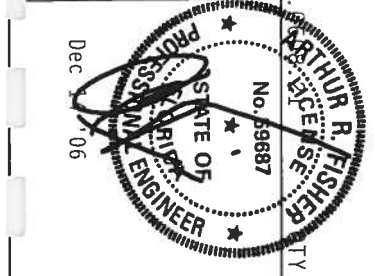
Scale = .1875"/Ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIG. (BUILDING COMPONENT SAFETY INFORMATION), AND USED ABOVE TRUSS CONSTRUCTION. 6300 ENTERPRISE LANE, HADISON, NJ 07719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W/H/55K) ASTM A653 GRADE 40/60 (K, K/H/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWS THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



| TC LL    | 20.0 PSF | REF    | R487-- 12304      |
|----------|----------|--------|-------------------|
| TC DL    | 10.0 PSF | DATE   | 12/13/06          |
| BC DL    | 10.0 PSF | DRW    | HCUSR487 06347100 |
| BC LL    | 0.0 PSF  | HC-ENG | KH/AF             |
| TOT.LD.  | 40.0 PSF | SEON-  | 15494             |
| DUR.FAC. | 1.25     |        |                   |
| SPACING  | 24.0"    |        |                   |

| JREF | 1T34487_203 |
|------|-------------|
|------|-------------|







Top Chord 2x4 SP #2 Dense  
Bot Chord 2x6 SP #1 Dense :B3, B4 2x4 SP #2 Dense:  
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

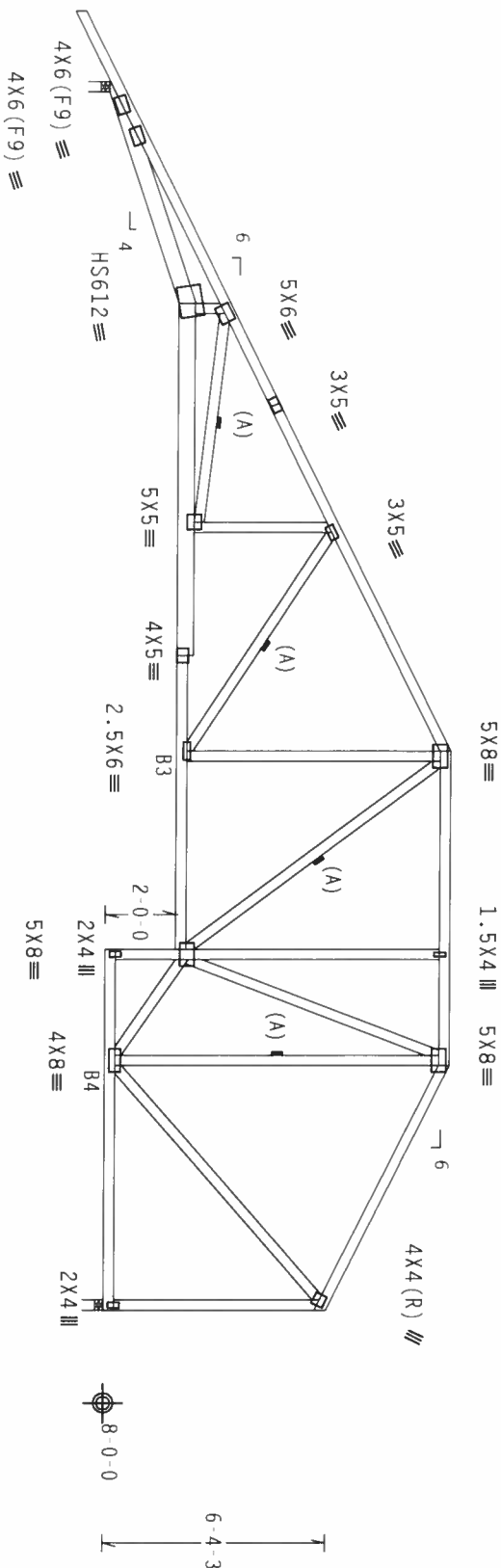
Calculated horizontal deflection is 0.23" due to live load and 0.23" due to dead load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, Wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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



12'-0" 0' 1'  
6'-3'-8" 19'-0'-0" 18'-4'-8" 9'-0'-0" 7'-0'-0" 10'-4'-0"  
35'-0'-0" Over 2 Supports  
R=1592 U=180 W=3.5"  
R=1431 U=180 W=3.5"

PLT TYP. 20 Gauge HS,Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.26.06

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESI. (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE NATIONAL BUILDING TRUSS INSTITUTE, 110 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314), AND WCA (WOOD TRUSS CONSTRUCTION OF AMERICA, 5300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*IMPORTANT\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

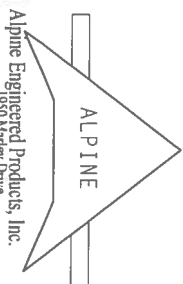
CONNECTIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AREA) AND TPI. ALPINE

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z.

APPLY TRUSSES TO BE ORDERED BY (1) SHALL BE PER AREA AS OF TPI 2002 SEC.3 A SEAL ON THIS

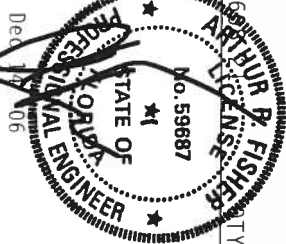
DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

critical



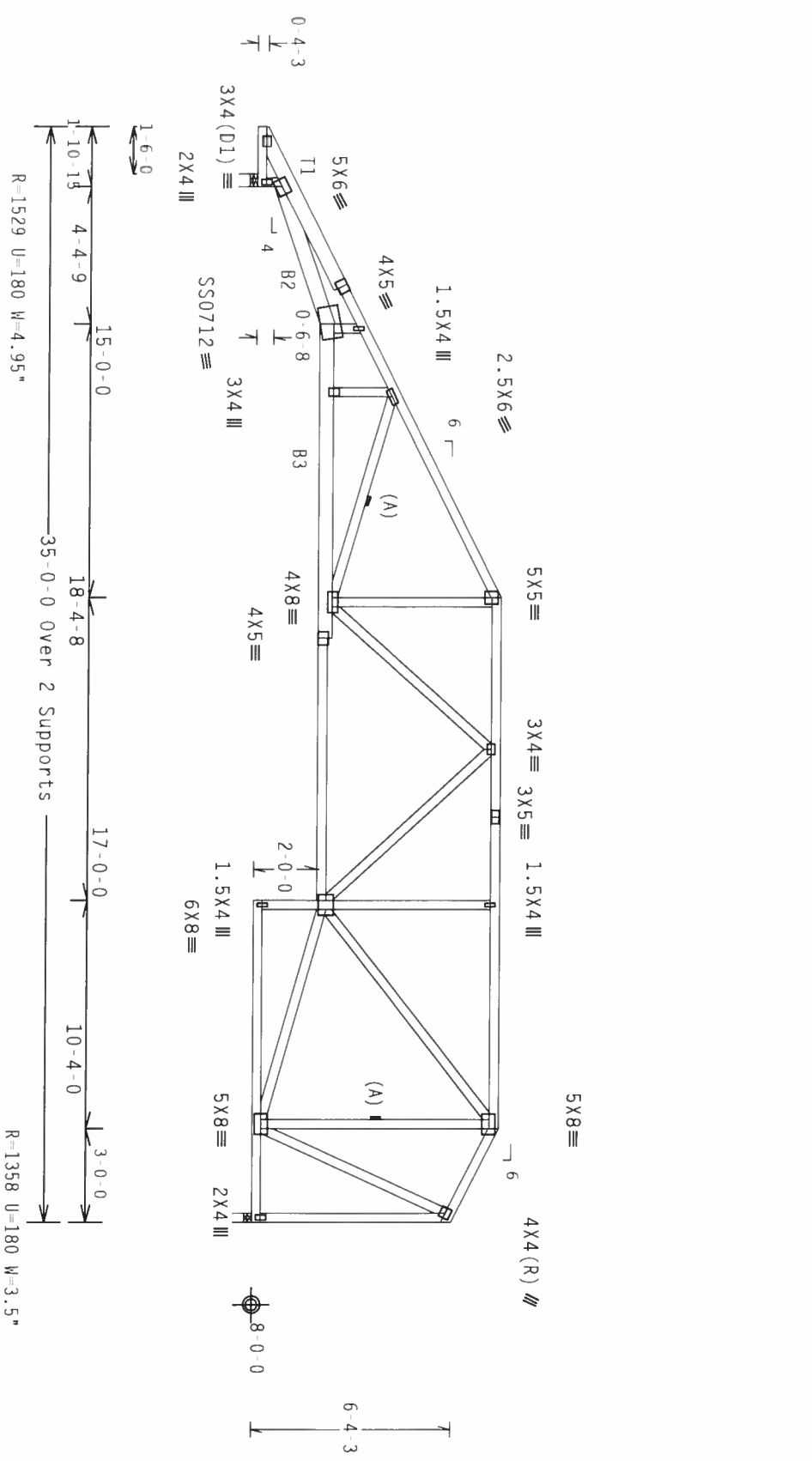
|          |          |        |             |          |
|----------|----------|--------|-------------|----------|
| TC LL    | 20.0 PSF | REF    | R487--      | 12307    |
| TC DL    | 10.0 PSF | DATE   | 12/13/06    |          |
| BC DL    | 10.0 PSF | DRW    | HCUSR487    | 06347103 |
| BC LL    | 0.0 PSF  | HC-ENG | KH/AF       |          |
| TOT.LD.  | 40.0 PSF | SEQN-  | 15482       |          |
| DUR.FAC. | 1.25     |        |             |          |
| SPACING  | 24.0"    | JREF-  | 1T34487_203 |          |

Top Chord 2x4 SP #2 Dense :T1 2x6 SP #1 Dense:  
Bot Chord 2x4 SP #2 Dense :B2, B3 2x6 SP #1 Dense:  
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

Calculated horizontal deflection is 0.17" due to live load and 0.18" due to dead load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.  
Right end vertical not exposed to wind pressure.  
(A) Continuous lateral bracing equally spaced on member.  
Deflection meets L/240 live and L/180 total load.



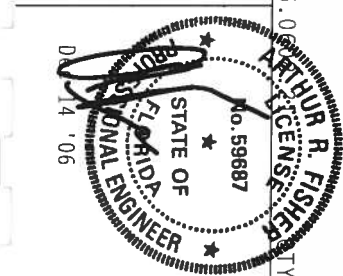
PLT TYP. 18 Gauge HS,Wave

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

TY:1 FL/-/4/-/-/R/- Scale =.1875"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRED EXTERIOR GABLE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RIGID TO BE SET. (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI TRUSS, INC. 6300 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DISCUSS CONDITIONS WITH APPLICABLE PROVISIONS OF AIA (NATIONAL DESIGN SPEC. BY AREA) AND TPI. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



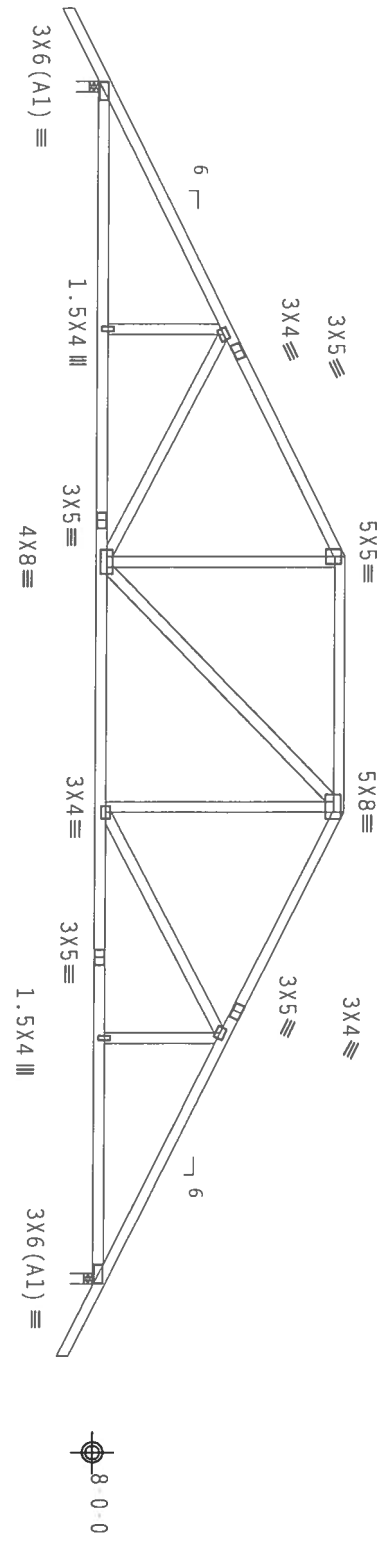
|          |          |        |                   |
|----------|----------|--------|-------------------|
| TC LL    | 20.0 PSF | REF    | R487 - 12308      |
| TC DL    | 10.0 PSF | DATE   | 12/13/06          |
| BC DL    | 10.0 PSF | DRW    | HCUSR487 06347104 |
| BC LL    | 0.0 PSF  | HC-ENG | KH/AF             |
| TOT.LD.  | 40.0 PSF | SEQN - | 15448             |
| DUR.FAC. | 1.25     |        |                   |
| SPACING  | 24.0 "   | JREF - | 1T34487_203       |

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 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MMFRS pressures.

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



13'-0" 7'-0" 13'-0"

12 0 0

12 0 0

R=1493 U=180 W=3.5"

R=1493 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TP1-2002(STD)/FBC

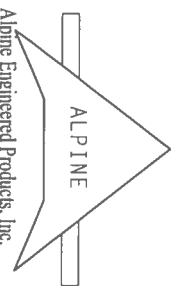
Cq/RT=1.00(1.25)/10(0) 7.26.06

Scale = .1875"/ft.

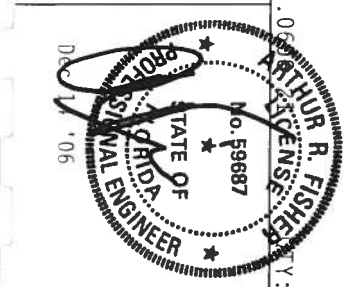
**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RIGIDITY OF THE TRUSS IS DEPENDENT ON THE CORRECT INSTALLATION OF THE TRUSS. THE TRUSS IS NOT TO BE USED AS A BRACE OR SHORING FOR ANY OTHER STRUCTURE. THE TRUSS IS NOT TO BE USED AS A BRACE OR SHORING FOR ANY OTHER STRUCTURE. THE TRUSS IS NOT TO BE USED AS A BRACE OR SHORING FOR ANY OTHER STRUCTURE.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC 360-10 (4th Ed.) AND AISC 360-10 (4th Ed.) GAY STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604.2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AME AS OF TP11 2002 SEC. 3 A SEAL ON THIS DESIGN SIGNATURE AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AME/TP11 SEC. 3.

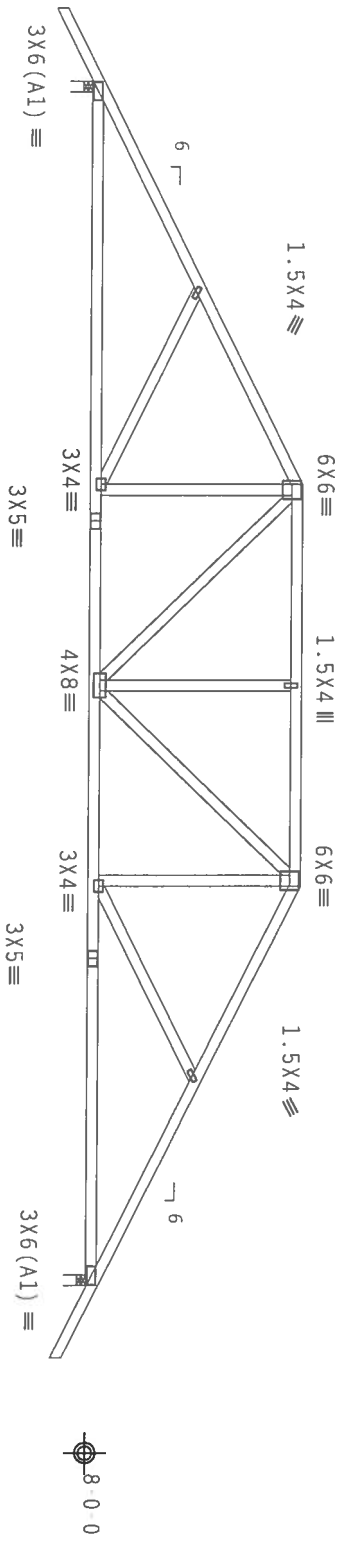


Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Certificate # 13844



|          |          |        |                   |
|----------|----------|--------|-------------------|
| TC LL    | 20.0 PSF | REF    | R487 - 12309      |
| TC DL    | 10.0 PSF | DATE   | 12/13/06          |
| BC DL    | 10.0 PSF | DRW    | HCUSR487 06347080 |
| BC LL    | 0.0 PSF  | HC-ENG | KH/AF             |
| TOT.LD.  | 40.0 PSF | SEQN-  | 15417             |
| DUR.FAC. | 1.25     |        |                   |
| SPACING  | 24.0"    | JREF-  | 1T34487_203       |

Wind reactions based on MMFRS pressures.



11'-0'-0  
 11'-0'-0  
 11'-0'-0  
 33'-0'-0 Over 2 Supports  
 R-1493 U=180 W=3.5"  
 R-1493 U=180 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

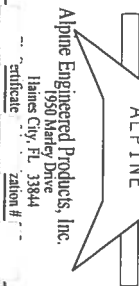
7.26.00

FL/-/4/-/R/-

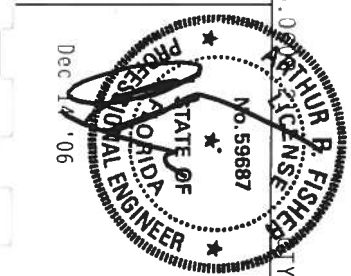
Scale = .1875"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING.  
 REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PROHIBITED BY TPI TRUSSES SHALL BE USED.  
 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WETA (WOOD TRUSS COMPANY) 6300  
 ENTERPRISE LANE, HADISON, NJ 07919 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  
 CONSTRUCTION PLATES ARE MADE OF 20/10/16GA (4 W/55%) ASTM A653 GRADE 40/60 (4, K/H/55) GALV. STEEL. APPLY  
 PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z.  
 THE TRUSS SHALL BE PROTECTED BY A MINIMUM OF 1/2" INSULATION. THE TRUSS SHALL BE PROTECTED BY A MINIMUM OF 1/2" INSULATION.  
 DRAWING INDICATES THE SITUATION. THE SITUATION OF THE TRUSS SHALL BE PROTECTED BY A MINIMUM OF 1/2" INSULATION.  
 BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7



ALPINE  
 ENGINEERED PRODUCTS, INC.  
 1950 Marley Drive  
 Haines City, FL 33844  
 Call 800-338-3384



| TC LL    | 20.0 PSF | REF R487 - 12310      |
|----------|----------|-----------------------|
| TC DL    | 10.0 PSF | DATE 12/13/06         |
| BC DL    | 10.0 PSF | DRW HCUSR487 06347081 |
| BC LL    | 0.0 PSF  | HC-ENG KH/AF          |
| TOT.LD.  | 40.0 PSF | SEQN- 15411           |
| DUR.FAC. | 1.25     |                       |
| SPACING  | 24.0"    | JREF- 1T34487_203     |

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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


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

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

Scale = .1875"/Ft.

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

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

AND INSPECTION OF PLATES FOLLOWED BY (1) SMALL H. PLN ANHX AS OF 1P11 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

DESIGN SHOW, THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/EPT 1 SEC. 2

[illegible]

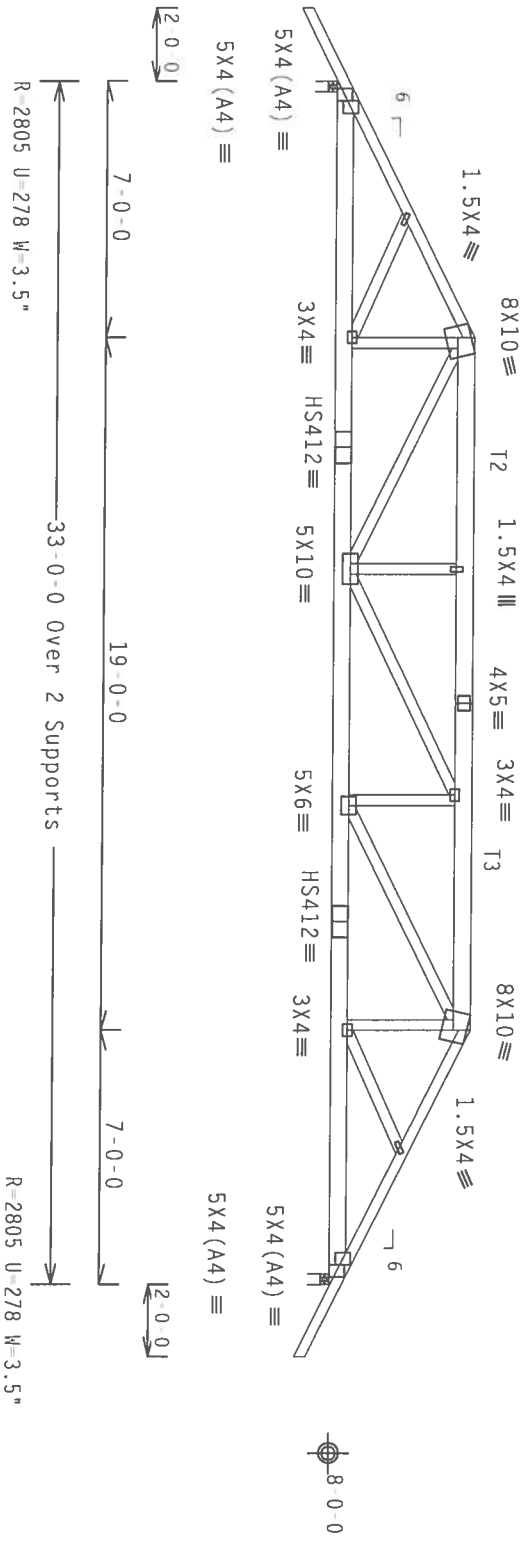
| FL/-/4/-/-/R/- |          | Scale = 1875"/ft.     |
|----------------|----------|-----------------------|
| TC LL          | 20.0 PSF | REF R487 - 12311      |
| TC DL          | 10.0 PSF | DATE 12/13/06         |
| BC DL          | 10.0 PSF | DRW HCUSR487 06347082 |
| BC LL          | 0.0 PSF  | HC-ENG KH/AF *        |
| TOT.LD.        | 40.0 PSF | SEON 15405            |
| DUR.FAC.       | 1.25     |                       |
| SPACING        | 24.0"    | JREF - 1T34487_203    |



(6 419 Jonathan Perry Lot 11 Stonehenge \*\*, HJ7B 33' Steppdown Hip Girder)  
Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #1 Dense:  
Bot chord 2x6 SP #1 Dense  
Webs 2x4 SP #3  
110 mph wind, 15.00 ft mean hgt. ASCE 7-02, CLOSED bldg, located  
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC  
DL=5.0 psf.

Wind reactions based on MWFRS pressures.  
#1 hip supports 7 0-0 jacks with no webs.

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

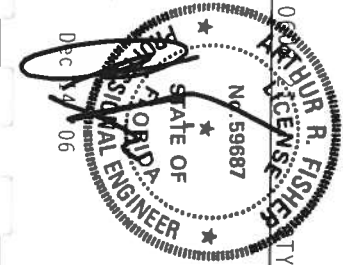


PLT TYP. 20 Gauge HS, Wave  
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.26.00

**\*\*WARNING\*\*** THESE REQUIRE EXTERIOR CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI, TRUSS SOCIETY OF AMERICA, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WPCA (WOOD TRUSS COUNCIL OF AMERICA), 650 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONTRACTS ARE MADE OF 20/10/16GA (W/J/S/P) ASH A653 GRADE 40/60 (W, K/H, S) GALV. STEEL. APPLY PLATES TO EACH OF PLATES FOR AND BY THE TRUSS ENGINEER, LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOR AND BY THE TRUSS ENGINEER, LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/DP1 1 SEC. 2.

ALPINE  
Alpine Engineered Products, Inc.  
1950 Bailey Drive  
Haines City, FL 33844  
Phone # 888-222-2222  
Fax # 888-222-2222



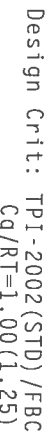
| TC LL     | 20.0 PSF | REF    | R487 - 12312      |
|-----------|----------|--------|-------------------|
| TC DL     | 10.0 PSF | DATE   | 12/13/06          |
| BC DL     | 10.0 PSF | DRW    | HCUSR487 06347118 |
| BC LL     | 0.0 PSF  | HC-ENG | KH/AF             |
| TOT. LD.  | 40.0 PSF | SEQN-  | 15629             |
| DUR. FAC. | 1.25     |        |                   |
| SPACING   | 24.0"    |        |                   |

Scale = .1875"/ft.  
JREF- 1T34487\_203

|     |       |     |    |    |       |
|-----|-------|-----|----|----|-------|
| 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 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

PLT TYP. Wave

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

7.26.06

DTY:2 EI / - / A / - / - / B / -

Scale = .25"/Ft.

RETURN TO: BCSI  
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314  
ENTERPRISE LUMBER, HANOVER, VA 52319 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.

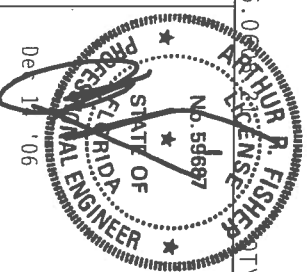
**\*\* IMPORTANT \*\***  
FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ALPINE ENGINEERED

ALPINE

Alpine Engineered Products, Inc.

1950 Marley Drive  
Haines City, FL 33844  
Certification # \_\_\_\_\_

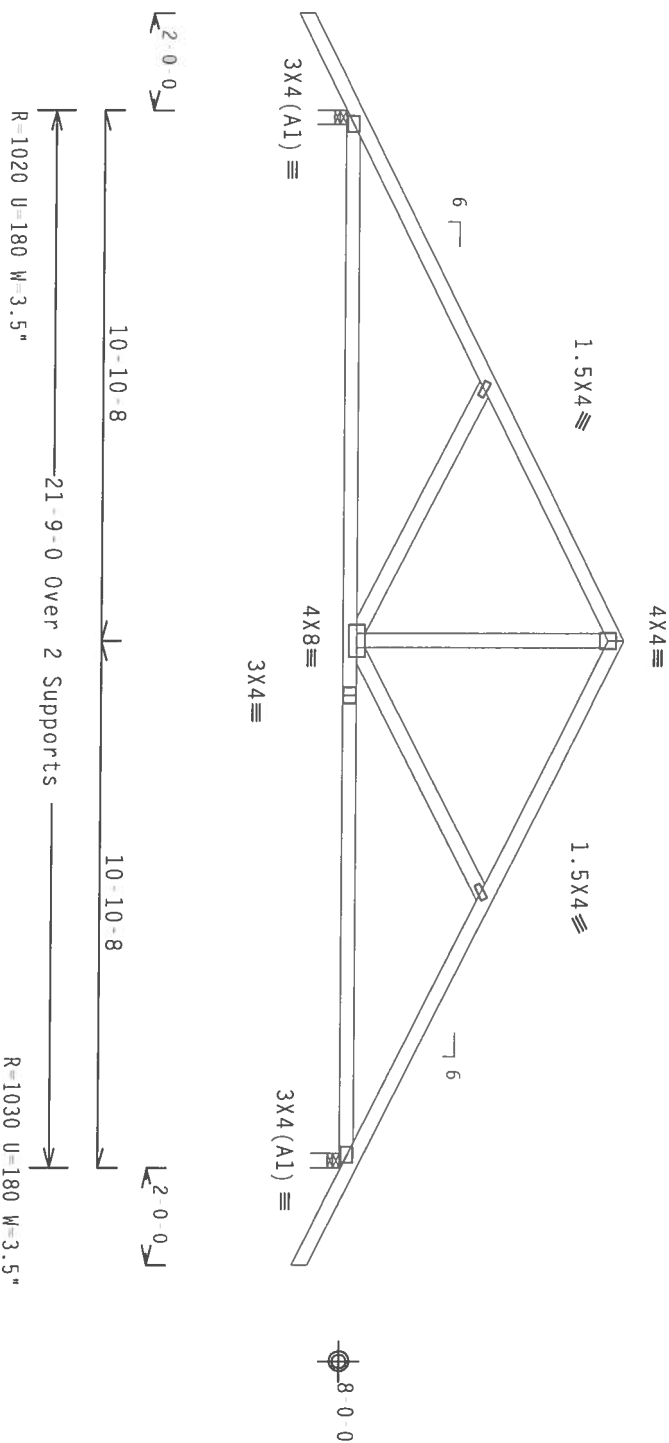


|          |          |        |                   |
|----------|----------|--------|-------------------|
| TC LL    | 20.0 PSF | REF    | R487 - 12313      |
| TC DL    | 10.0 PSF | DATE   | 12/13/06          |
| BC DL    | 10.0 PSF | DRW    | HCUSR487 06347083 |
| BC LL    | 0.0 PSF  | HC-ENG | KH/AF *           |
| TOT.LD.  | 40.0 PSF | SEQN-  | 15393             |
| DUR.FAC. | 1.25     |        |                   |
| SPACING  | 24.0"    | JREF-  | 1T34487 203       |

THIS WORK PREPARED FROM COMPUTER INPUT (LEADS & DIMENSIONS) SUBMITTED BY IKUSS MFK.

110 mph wind, 15.00 ft mean hgt, ASCE 7 02, 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/240 live and L/180 total load.



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

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

TTY: 415-415-1141

Scale = .25" / Ft.

\*\*\*WARNING\*\*\*  
 THESE REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRAGGING. (BUTOLIDONE COMPONENT SEE INFORMATION), PUBLISHED BY IPI, (THUSS PAPER INSTITUTE, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AICA (WOOD BRASS CONSULT, OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI, 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR CORDON SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CORDON SHALL HAVE PROPERLY ATTACHED RIGID CELL LING.

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

TRUSS IN CONFORMANCE WITH TPI;  
DESIGN CONFORMS WITH ABR15CAB1

CONNECTOR PLATES ARE HADF OF 20/18/16GA (H, H/SS/K) ASTM A653 GRADE 40/60 (H, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH END OF TRUSS AND THREE ORTHOGONAL TO EACH OTHER.

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.

DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER OR ARCHITECT ETC.

100

|             |                  |        |                  |
|-------------|------------------|--------|------------------|
| FL/-4/-/R/- | Scale = .25"/ft. |        |                  |
| TC LL       | 20.0 PSF         | REF    | R487 - 12314     |
| TC DL       | 10.0 PSF         | DATE   | 12/13/06         |
| BC DL       | 10.0 PSF         | DRW    | HCSR487 06347084 |
| BC LL       | 0.0 PSF          | HC-ENG | KH/AF *          |
| TOT.LD.     | 40.0 PSF         | SEON-  | 15399            |
| DUR.FAC.    | 1.25             |        |                  |
| SPACING     | 24.0"            | JREF   | 1T34487_Z03      |

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, closed bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

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


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

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

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF 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 AWS/TP1 1 SEC. 2.

1

| FL/-/4/-/R/- |          | Scale=.25"/Ft.       |
|--------------|----------|----------------------|
| TC LL        | 20.0 PSF | REF R487- 12315      |
| TC DL        | 10.0 PSF | DATE 12/13/06        |
| BC DL        | 10.0 PSF | DRW HCUR487 06347085 |
| BC LL        | 0.0 PSF  | HC-ENG KH/AF *       |
| TOT.LD.      | 40.0 PSF | SEQN- 15387          |
| DUR.FAC.     | 1.25     |                      |
| SPACING      | 24.0"    | JREF- 1T34487_Z03    |

Scale = .25"/Ft.

|          |          |        |                   |
|----------|----------|--------|-------------------|
| TC DL    | 10.0 PSF | DATE   | 12/13/06          |
| BC DL    | 10.0 PSF | DRW    | HCUSR487 06347085 |
| BC LL    | 0.0 PSF  | HC-ENG | KH/AF *           |
| TOT.LD.  | 40.0 PSF | SEQN   | 15387             |
| DUR.FAC. | 1.25     |        |                   |
| SPACING  | 24.0"    | JREF   | 1T34487_Z03       |

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

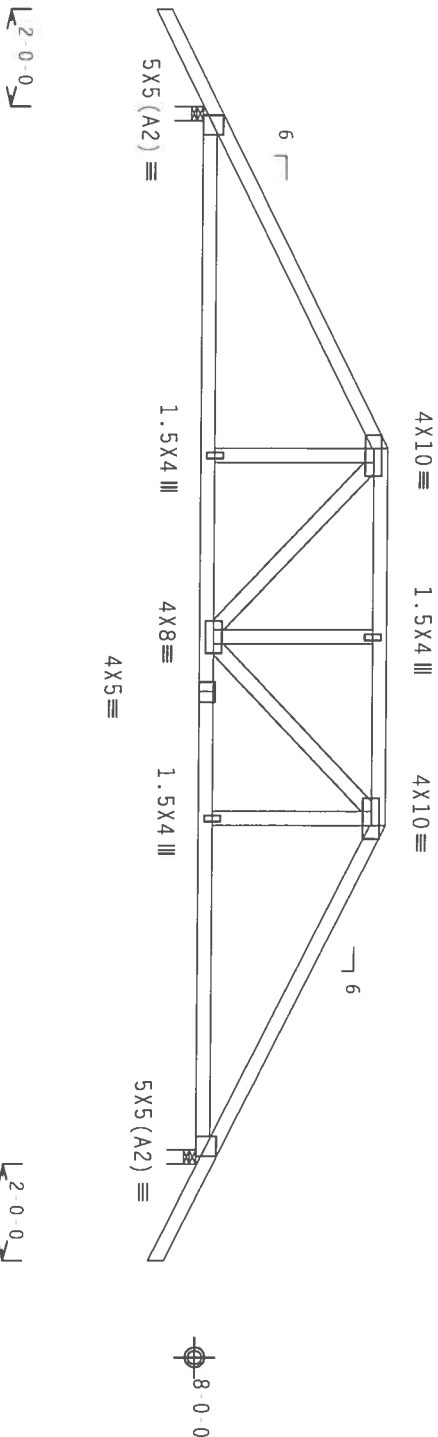
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MMFRS pressures.

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

SPECIAL LOADS

|           |  |                                     |
|-----------|--|-------------------------------------|
| TC - From | 67 PLF at -2.00 to 67 PLF at 0.00                    | DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25 |
| TC - From | 62 PLF at 0.00 to 62 PLF at 21.75                    |                                     |
| TC - From | 67 PLF at 21.75 to 67 PLF at 23.75                   |                                     |
| BC - From | 20 PLF at 0.00 to 20 PLF at 21.75                    |                                     |
| TC - From | 182 LB Conc. Load at 7.06, 9.06, 10.87, 12.69, 14.69 |                                     |
| BC - From | 444 LB Conc. Load at 7.00                            |                                     |
| BC - From | 77 LB Conc. Load at 9.06, 10.87, 12.69               |                                     |
| BC - From | 444 LB Conc. Load at 14.75                           |                                     |



R=2045 U=230 W=3.5"

R=2045 U=230 W=3.5"

PLT TYP. Wave

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

7.26.06

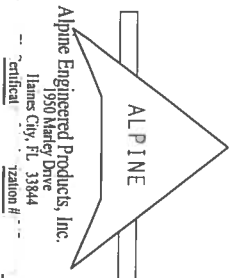
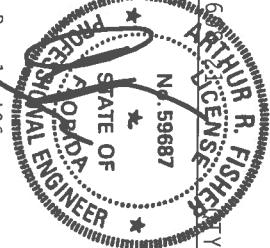
FL/-/4/-/R/-

Scale = .25"/ft.

\*\*WARNING\*\* TRUSSES REQUIRE EXTERIOR CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WCA (WOOD TRUSS COMPANY) 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 A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI.

CONNECTION PLATES ARE MADE OF 20/18/16GA (W/H/SS/K) ASH 6053 GRADE 40/60 (W, K/H/SS) GALV. STEEL. APPLY ANY INSPECTION OF THIS TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. DRAWING INDICATES ACCEPTANCE OF PROPOSED DESIGN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



|          |          |                       |
|----------|----------|-----------------------|
| TC LL    | 20.0 PSF | REF R487-- 12316      |
| TC DL    | 10.0 PSF | DATE 12/13/06         |
| BC DL    | 10.0 PSF | DRW HCUSR487 06347120 |
| BC LL    | 0.0 PSF  | HC-ENG KH/AF          |
| TOT.LD.  | 40.0 PSF | SEON- 15637           |
| DUR.FAC. | 1.25     |                       |
| SPACING  | 24.0"    | JREF- 11734487_203    |

מ.מ.מ. כמאן זיט שווייטשט (כעניטאמאנען א כעמל) ווערן אפגעזעט ווערן שטענדיג נאך

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

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

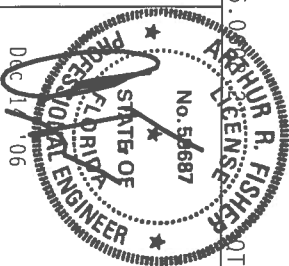
Deflection meets L/240 live and L/180 total load.



7.26.08

Scale = .375"/Ft.

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

[illegible]

|          |          |        |                  |
|----------|----------|--------|------------------|
| TC LL    | 20.0 PSF | REF    | R487 - 12317     |
| TC DL    | 10.0 PSF | DATE   | 12/13/06         |
| BC DL    | 10.0 PSF | DRW    | HCSR487 06347116 |
| BC LL    | 0.0 PSF  | HC-ENG | KH/AF            |
| TOT.LD.  | 40.0 PSF | SEQN   | 13374            |
| DUR.FAC. | 1.25     |        |                  |
| SPACING  | 24.0"    | JREF   | 1T34487_Z03      |



110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf

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



Scale = .375" / Ft.

№ 59687

ALPINE ENGINEERED

### DESIGN OF TRUSSES.

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/AP1 1 SEC. 2

|          |          |                      |
|----------|----------|----------------------|
| TC LL    | 20.0 PSF | REF R487 - 12318     |
| TC DL    | 10.0 PSF | DATE 12/13/06        |
| BC DL    | 10.0 PSF | DRW HCUR487 0634/105 |
| BC LL    | 0.0 PSF  | HC-ENG KH/AF         |
| TOT.LD.  | 40.0 PSF | SEON - 13055         |
| DUR.FAC. | 1.25     |                      |
| SPACING  | 24.0"    | JREF - 1T34487_Z03   |

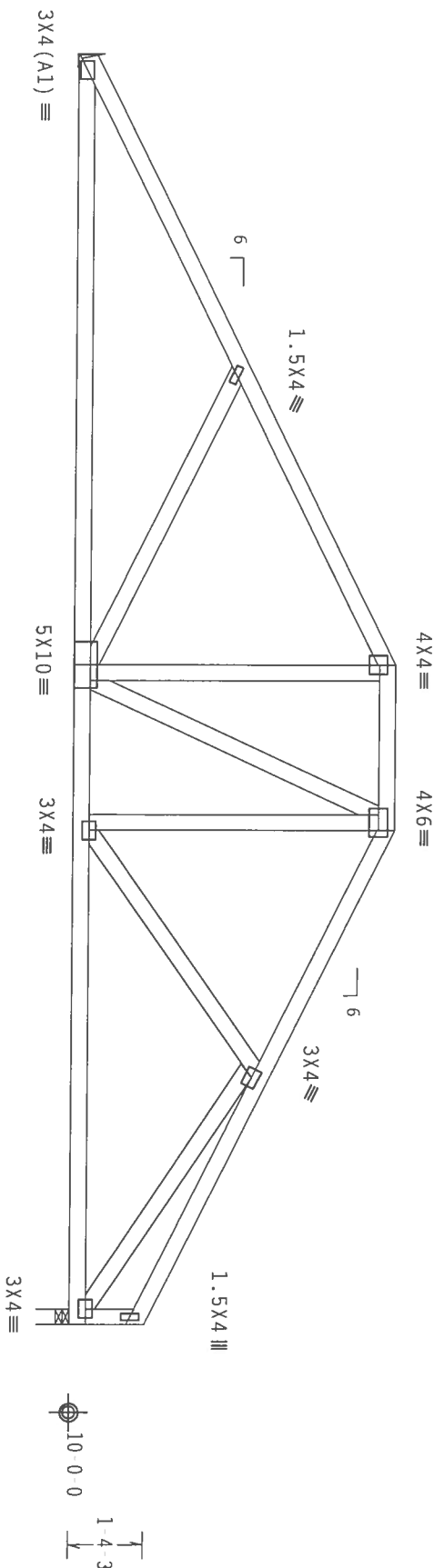
JREF - 1T34487\_Z03

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

Wind reactions based on MMFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7 02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, Wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



11'-0'-0  
23'-0'-0 Over 2 Supports  
9'-0'-0  
R-952 U=180  
R-942 U=180 W=3.5"

PLT TYP. Wave

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

QTY:1

FL/-/4/-/R/-

Scale = .3125"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTERIOR CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION) 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND NICK KNOX TRUSS PRODUCTS, 100 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. 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 CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

Alpine Engineered Products, Inc.  
1650 Katerby Drive  
Haines City, FL 33844

--- Certificate ---  
--- Station # ---

DEC 24/06

NO. 59687

STATE OF FLORIDA  
REGISTERED PROFESSIONAL ENGINEER

QTY:1

FL/-/4/-/R/-

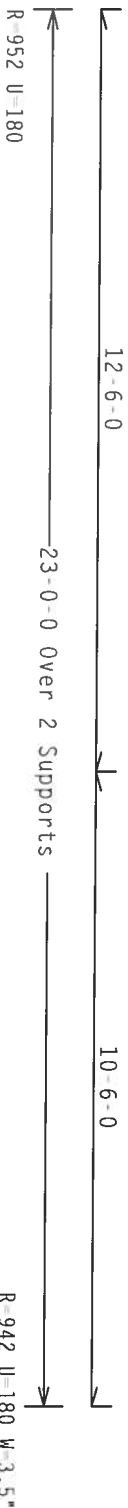
Scale = .3125"/ft.

|          |          |                       |
|----------|----------|-----------------------|
| TC LL    | 20.0 PSF | REF R487-12319        |
| TC DL    | 10.0 PSF | DATE 12/13/06         |
| BC DL    | 10.0 PSF | DRW HCUSR487 06347106 |
| BC LL    | 0.0 PSF  | HC-ENG KH/AF          |
| TOT.LD.  | 40.0 PSF | SEQN- 13163           |
| DUR.FAC. | 1.25     |                       |
| SPACING  | 24.0"    |                       |

JRFF- 1T34487\_203

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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/240 live and L/180 total load.


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

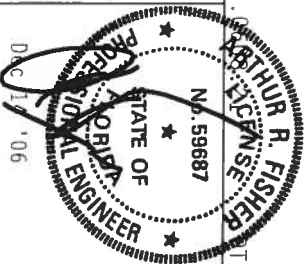
Scale = .3125" / Ft.

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

PLATES TO EACH FACET OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TEMA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF IP11.2002 SEC.3, A SEAL ON THIS DRAWING INDICATES ACCORDANCE OF INFORMATION INCLUDING REVISIONS.

ON THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF SUCH STRUCTURE, THE SUITABILITY AND USE OF THIS COMPONENT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

1950 Marney Drive  
Haines City, FL 33844  
Zalton # \_\_\_\_\_  
Certificate \_\_\_\_\_



|          |          |        |                   |
|----------|----------|--------|-------------------|
| TC LL    | 20.0 PSF | REF    | R487 - 12320      |
| TC DL    | 10.0 PSF | DATE   | 12/13/06          |
| BC DL    | 10.0 PSF | DRW    | HCUSR487 06347107 |
| BC LL    | 0.0 PSF  | HC-ENG | KH/AF             |
| TOT.LD.  | 40.0 PSF | SEQN-  | 13144             |
| DUR.FAC. | 1.25     |        |                   |
| SPACING  | 24.0"    | JRF    | 1T34487_203       |

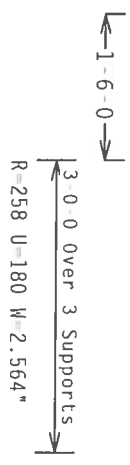
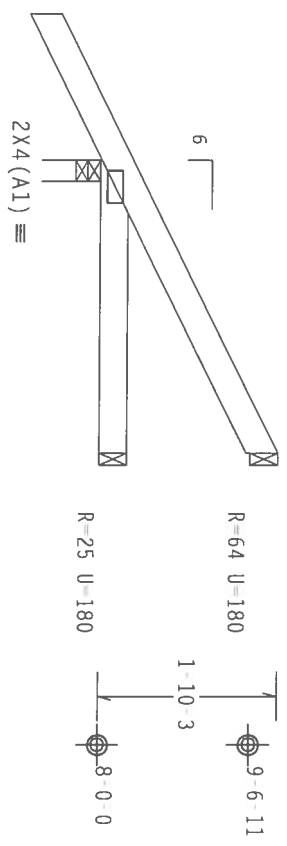
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

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

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

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

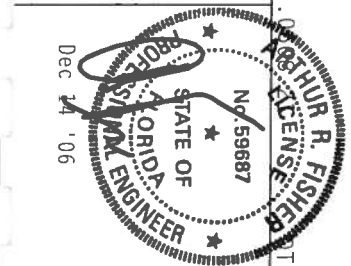
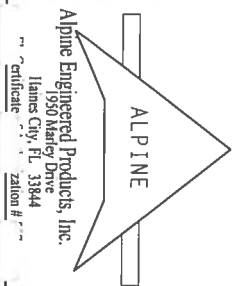


PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.26.00

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO DECSI (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI, 1000 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND WICK 0000 TRUSS CONNECT OF AMERICA, 610 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLATION AND BRACING. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AOS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE TRUSS SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE TPI-2002(STD)/FBC. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL RESPONSIBILITY. THE SEAL OF THE PROFESSIONAL ENGINEER IS REQUIRED FOR THE TRUSS DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



|          |          |                       |
|----------|----------|-----------------------|
| TC LL    | 20.0 PSF | REF R487 - 12321      |
| TC DL    | 10.0 PSF | DATE 12/13/06         |
| BC DL    | 10.0 PSF | DRW HCUSR487 06347086 |
| BC LL    | 0.0 PSF  | HC-ENG KH/AF          |
| TOT.LD.  | 40.0 PSF | SEQN- 13018           |
| DUR.FAC. | 1.25     |                       |
| SPACING  | 24.0"    | JREF- 1T34487_203     |

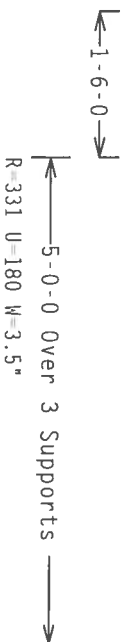
Scale = .5"/ft.

[illegible]

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf,

wind BC DL=5.0 psf.

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Scale = .5"/Ft.

No. 59687

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10

Dec 14, 06

4

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|----------|----------|--------|------------------|
| TC LL    | 20.0 PSF | REF    | R487 - 12322     |
| TC DL    | 10.0 PSF | DATE   | 12/13/06         |
| BC DL    | 10.0 PSF | DRW    | HCUR487 06347087 |
| BC LL    | 0.0 PSF  | HC-ENG | KH/AF *          |
| TOT.LD.  | 40.0 PSF | SEQN-  | 13023            |
| DUR.FAC. | 1.25     |        |                  |
| SPACING  | 24.0"    | JRFF-  | 1T34487_Z03      |

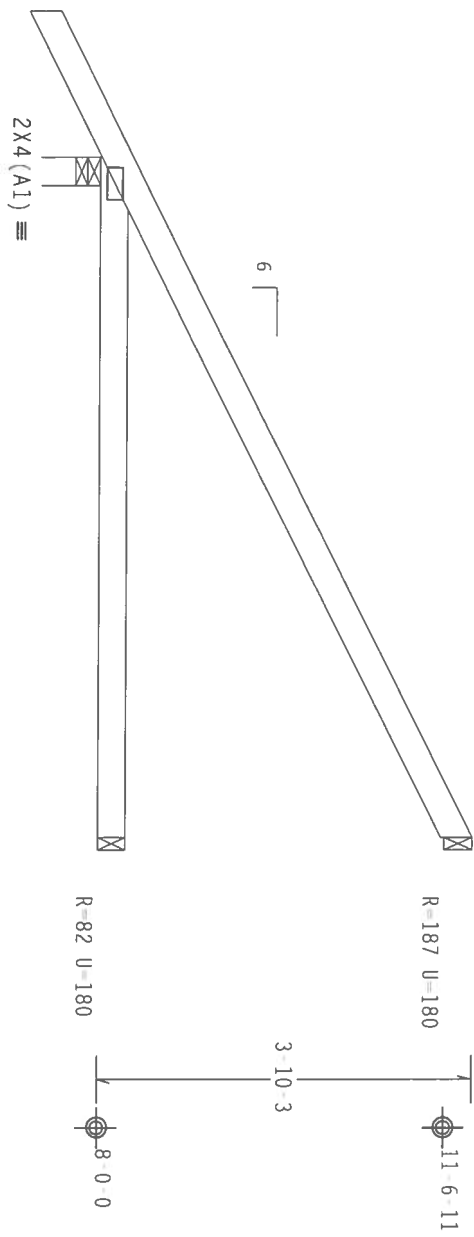
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense

Wind reactions based on MMFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located  
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf,  
wind BC DL=5.0 psf.

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



1-6-0

7-0-0 Over 3 Supports

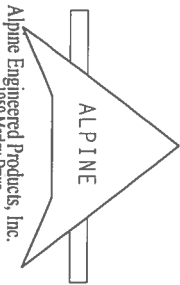
PLT TYP. Wave

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

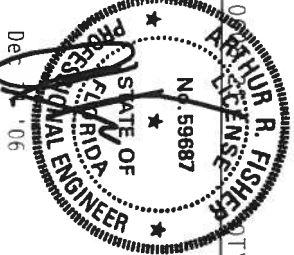
**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS (BUILDING COMPONENT SAFETY) INFORMATION, LANE INSTITUTE, 216 NORTH LEE STREET, SUITE 212, ALEXANDRIA, VA 22314, AND WITH GOOD TRUSS CONSTRUCTION, 620 CHERRYBARK LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS 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 CONNECTION PLATES ARE MADE OF 20/10/16GA (4.4/55/55) ASH A653 GRADE 40/60 (4.4/55) 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 AMER 4A OF TPI 2002 SEC.3. A SEAL ON THIS DESIGN INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. INDICATES THE ACCEPTANCE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ASCE 7-02 SEC. 2.



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



|          |          |        |          |          |
|----------|----------|--------|----------|----------|
| TC LL    | 20.0 PSF | REF    | R487--   | 12323    |
| TC DL    | 10.0 PSF | DATE   | 12/13/06 |          |
| BC DL    | 10.0 PSF | DRW    | HCUSR487 | 06347088 |
| BC LL    | 0.0 PSF  | HC-ENG | KH/AF    | *        |
| TOT.LD.  | 40.0 PSF | SEQN-  | 13338    |          |
| DUR.FAC. | 1.25     |        |          |          |
| SPACING  | 24.0"    |        |          |          |

Scale = .5"/ft.



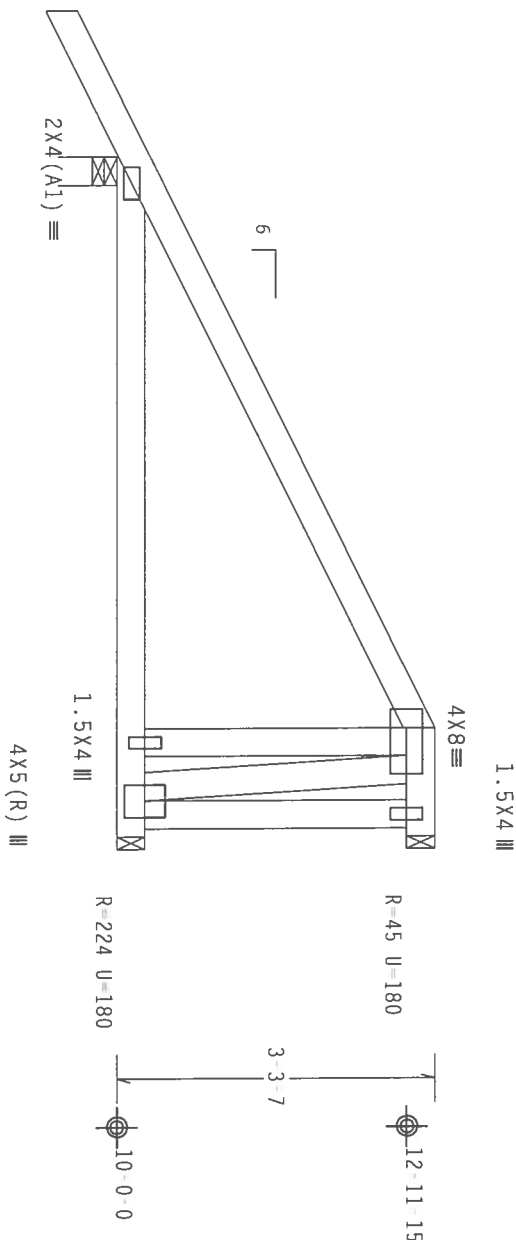
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

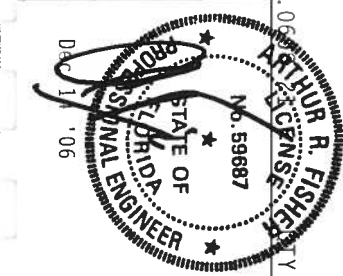
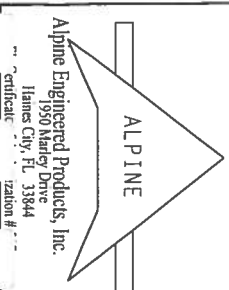
7.26.06

FL/-14/-1/R/-

Scale = .5"/ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGN (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH WISCONSIN STREET, MADISON, WI 53719) FOR PROPER SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. 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 HIS QUALITY DESIGN SPEC. BY ATRPA) AND TPI. ALPINE CONECTOR PLATES ARE MADE OF 20/18/16GA (W/55X) ASTM A653 GRADE 40/60 (Q, K/1.55) 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 AMES AS OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMST/TPI 1 SEC. 2.



| TC LL    | 20.0 PSF | REF    | R487-12324        |
|----------|----------|--------|-------------------|
| TC DL    | 10.0 PSF | DATE   | 12/13/06          |
| BC DL    | 10.0 PSF | DRW    | HCUSR487 06347089 |
| BC LL    | 0.0 PSF  | HC-ENG | KH/AF             |
| TOT.LD.  | 40.0 PSF | SEON-  | 13038             |
| DUR.FAC. | 1.25     |        |                   |
| SPACING  | 24.0"    |        |                   |

| REF | 1734A87_203 |
|-----|-------------|
|-----|-------------|

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

Trusses or components connecting to this girder have been modified by the truss designer. The loading for this girder requires verification for accuracy.

SPECIAL LOADS (Load case #1)  
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
TC - From 62 PLF at 0.00 to 62 PLF at 7.00  
BC - From 20 PLF at 0.00 to 20 PLF at 7.00  
BC - 952 LB Conc. Load at 1.19, 3.19, 5.19

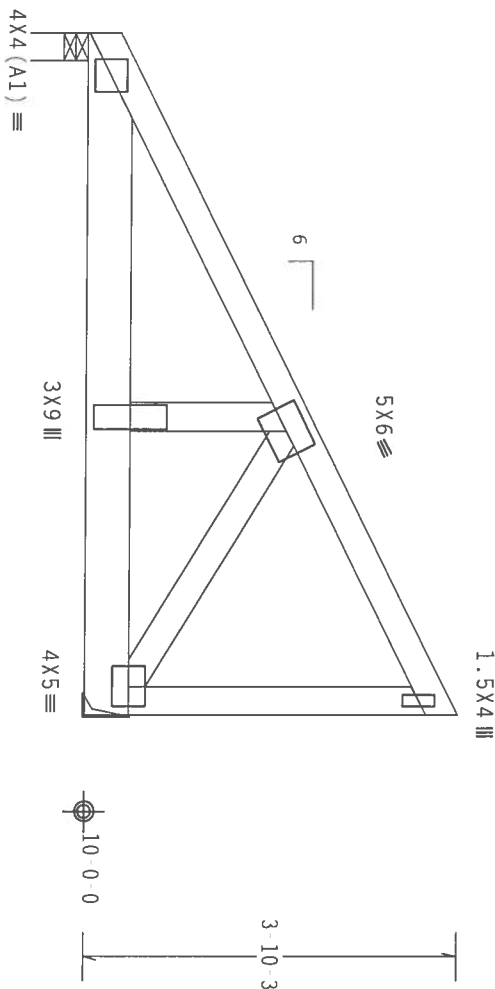
110 mph wind, 15.00 ft mean hgt, ASCE 7 02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Right end vertical not exposed to wind pressure.

SPECIAL LOADS (Load case #2)

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)  
TC - From 62 PLF at 0.00 to 62 PLF at 7.00  
BC - From 20 PLF at 0.00 to 20 PLF at 7.00  
BC - 331 LB Conc. Load at 2.00  
BC - 1352 LB Conc. Load at 4.00  
BC - 720 LB Conc. Load at 6.00



R=1884 U=187 W=3.5"  
R=1747 U=203

PLT TYP. Wave

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

7.26.00

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

Scale = .5"/ft.

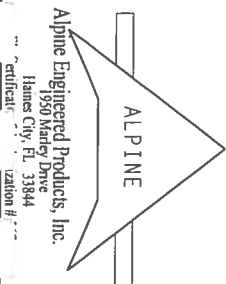
\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE TO FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND RICA (ROOF TRUSS CONSTRUCTION), 218 ENTERPRISE LANE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

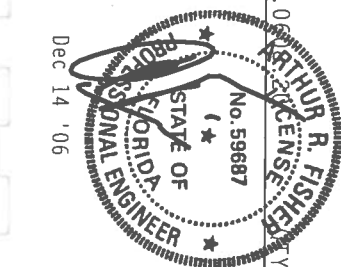
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/NA) AND TPI.

CONNECTION PLATES ARE MADE OF 20/18/16GA (W/H/SS/K) ASH 663 GRADE 40/60 (K, K/H/SS) GALV. STEEL. APPLY THE FOLLOWING TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z.

ALL TRUSS PLATES FOLLOWED BY (1) SHALL BE PER AREA AS OF 1911 2002 SEC.3. A SEAL OF THIS 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 Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Certification #



| TC LL    | 20.0 PSF | REF    | R487-12325        |
|----------|----------|--------|-------------------|
| TC DL    | 10.0 PSF | DATE   | 12/13/06          |
| BC DL    | 10.0 PSF | DRW    | HCUSR487 06347119 |
| BC LL    | 0.0 PSF  | HC-ENG | KH/AF             |
| TOT.LD.  | 40.0 PSF | SEQN-  | 17427 REV         |
| DUR.FAC. | 1.25     |        |                   |
| SPACING  | 24.0"    |        |                   |

DATE 12/31/06

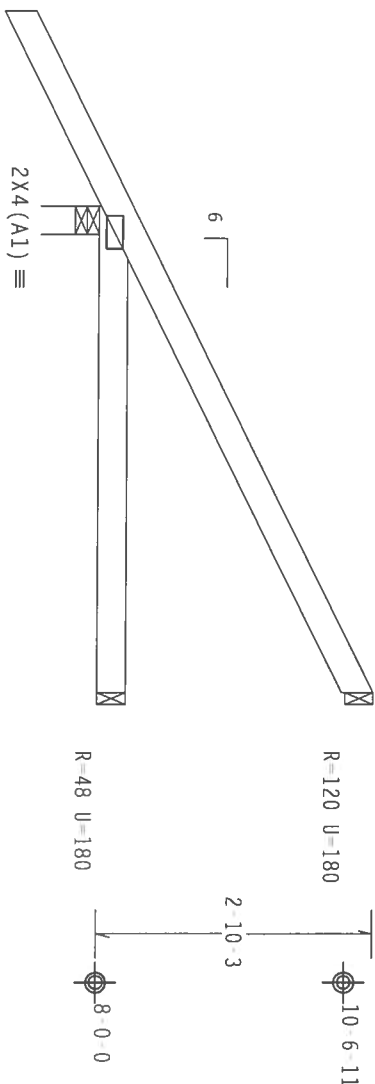
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located  
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf,  
wind BC DL=5.0 psf.

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



2-0-0

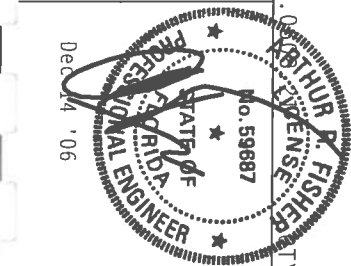
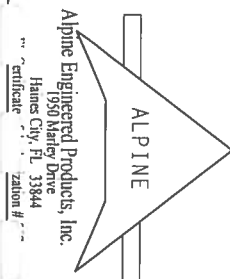
0 6-8 4-5-8  
5-0-0 Over 3 Supports  
R=377 U=180 W=3.5"

PLT TYP. Wave

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

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DECSI (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE NATIONAL TRUSS MANUFACTURERS ASSOCIATION, 320 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WCA (WOOD TRUSS CONNECTIONS) PUBLISHED BY THE NATIONAL TRUSS MANUFACTURERS ASSOCIATION, 320 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, 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-2002(STD)/FBC OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI-2002(STD)/FBC. CONNECTION PLATES ARE MADE OF 20/18/16GA (W/4/55K) ASH 6050 GRADE 40/60 (W, K/4/55) GALV. STEEL. APPLY ANY INSPECTION AND/OR TESTS TO THE TRUSS AS SHOWN ON THIS DESIGN. POSITION PER DRAWINGS 16GA 2. ANY INSPECTION AND/OR TESTS TO THE TRUSS AS SHOWN ON THIS DESIGN. POSITION PER DRAWINGS 16GA 2. DRAWING INDICATES ACCEPTANCE OF THIS DESIGN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



|          |          |                       |
|----------|----------|-----------------------|
| TC LL    | 20.0 PSF | REF R487-12326        |
| TC DL    | 10.0 PSF | DATE 12/13/06         |
| BC DL    | 10.0 PSF | DRW HCUSR487 06347090 |
| BC LL    | 0.0 PSF  | HC-ENG KH/AF          |
| TOT.LD.  | 40.0 PSF | SEQN-15380            |
| DUR.FAC. | 1.25     |                       |
| SPACING  | 24.0"    |                       |

Scale = .5"/ft.

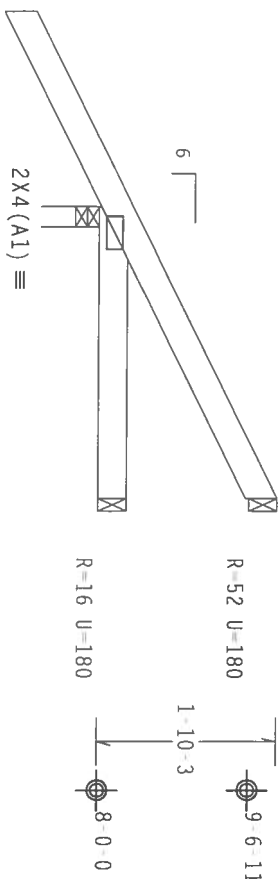
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense

Wind reactions based on MMFRS pressures.

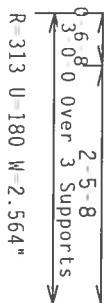
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Top chord.  
Provide ( 2 ) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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

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



2'-0'-0"



PLT TYP. Wave

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

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCSI (BUILDING COMPONENT SAFETY INFORMATION 2231), AND SEEDED BOLT (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314), AND WELDING (AMERICAN WELDING SOCIETY, 1190 FENTON DRIVE, FARMINGTON, CT 06031) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

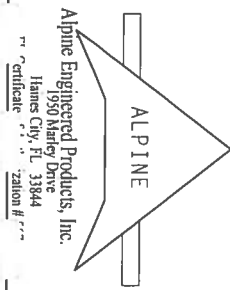
**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AIA/ASA) AND TPI. ALPINE TRUSSES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. DRAWING INDICATES ACCEPTANCE OF THIS DESIGN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AWS/TPI 1 SEC. 2.



TY:14 FL/-/4/-/R/-

Scale =.5"/Ft.

|          |          |                       |
|----------|----------|-----------------------|
| TC LL    | 20.0 PSF | REF R487-- 12327      |
| TC DL    | 10.0 PSF | DATE 12/13/06         |
| BC DL    | 10.0 PSF | DRW HCUSR487 06347091 |
| BC LL    | 0.0 PSF  | HC-ENG KH/AF          |
| TOT.LD.  | 40.0 PSF | SEQN- 15374           |
| DUR.FAC. | 1.25     |                       |
| SPACING  | 24.0"    |                       |



Alpine Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Certificate # 23000



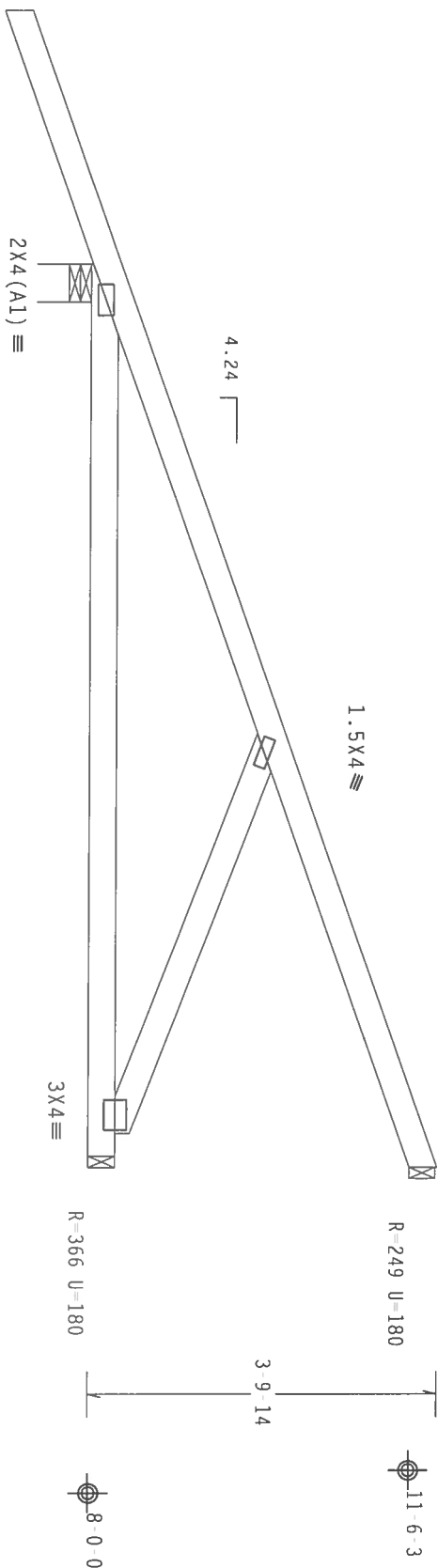
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located  
anywhere in roof, CAT 11, EXP 8, wind TC DL=5.0 psf, wind BC  
DL=5.0 psf.

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

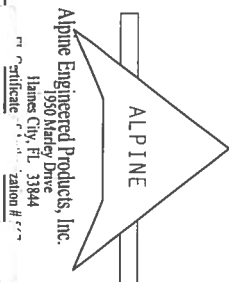


PLT TYP. Wave

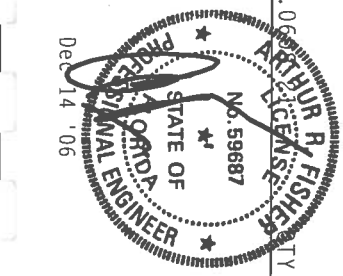
Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0)

**\*\*WARNING\*\*** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSTI BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI, 11111 N. 11TH AVE., SUITE 100, NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304, AND MICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTIONS ARE MADE OF 70/10/10GA (U-H/55/K) ASH 6053 GRADE 40/60 (W, K/H/55) GALV STEEL. APPLY CONNECTIONS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DRAWINGS 10GA 2. UNLESS OTHERWISE INDICATED, ALL TRUSSES SHALL BE PER AMERICAN STANDARD TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN AND THE RESPONSIBILITY OF THE TRUSS COMPONENT DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



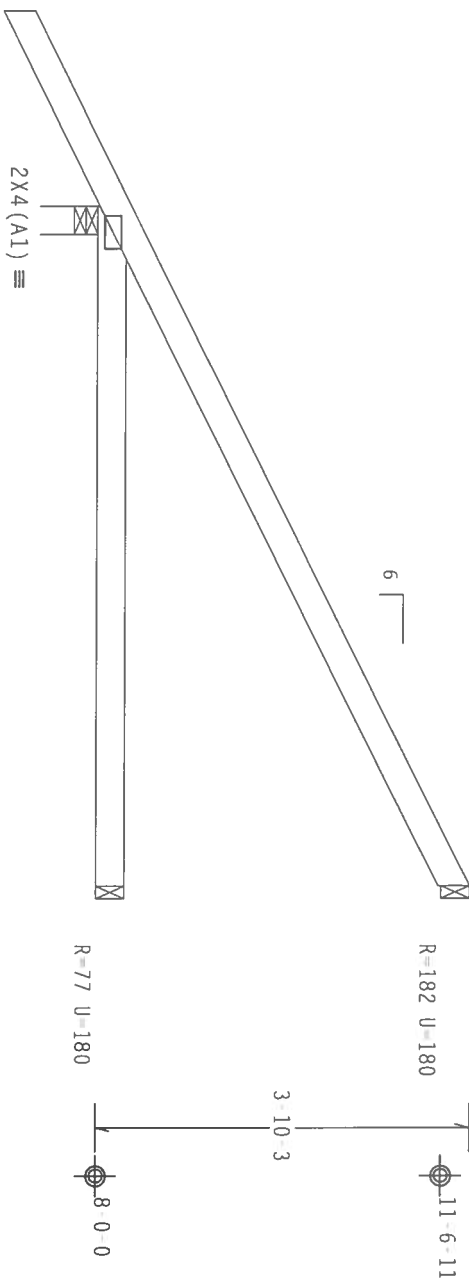
| TC LL    | 20.0 PSF | REF R487-12329        |
|----------|----------|-----------------------|
| TC DL    | 10.0 PSF | DATE 12/13/06         |
| BC DL    | 10.0 PSF | DRW HCUSR487 06347115 |
| BC LL    | 0.0 PSF  | HC-ENG KH/AF          |
| TOT.LD.  | 40.0 PSF | SEQN- 15566           |
| DUR.FAC. | 1.25     |                       |
| SPACING  | 24.0"    |                       |

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located  
anywhere in roof, CAT 11, 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.



2-0-0  
7-0-0 Over 3 Supports  
R=450 U=180 W=3.5"

PLT TYP. Wave

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

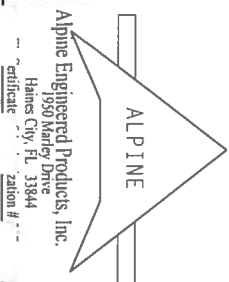
7.26.00

Scale = 5"/ft.

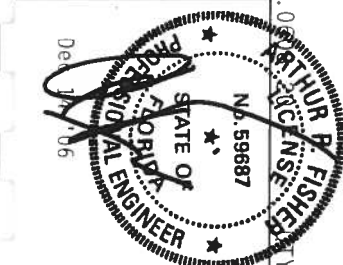
\*\*WARNING\*\* TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.  
RETRACT TO STREET (QUOTED) FOR CONFORMANCE WITH TPI-2002(STD) TRUSS PLATE INSTITUTE, 218  
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304. AND TO PROTECT THESE FUNCTIONS,  
ENTERPRISE LANE, HADISON, NJ 07719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS.  
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-2002(STD) OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES,  
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI-2002(STD).  
CONNECTION PLATES ARE MADE OF 20/18/16GA (W/55/K) ASH 4653 GRADE 40/60 (W, K/4.55) GALV. STEEL. APPLY  
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA Z.  
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TPI-2002 SEC.3. A SEAL ON THIS  
DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT  
DESIGNER'S USE. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE  
BUILDING DESIGNER PER AMER/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
1950 Manley Drive  
Haines City, FL 33844  
Certificate # 1734487\_203



|          |          |        |          |          |
|----------|----------|--------|----------|----------|
| TC LL    | 20.0 PSF | REF    | R487--   | 12330    |
| TC DL    | 10.0 PSF | DATE   | 12/13/06 |          |
| BC DL    | 10.0 PSF | DRW    | HCUSR487 | 06347114 |
| BC LL    | 0.0 PSF  | HC-ENG | KH/AF    | *        |
| TOT.LD.  | 40.0 PSF | SEQN-  | 17402    | REV      |
| DUR.FAC. | 1.25     |        |          |          |
| SPACING  | 24.0"    |        |          |          |

1734487\_203

THIS WORK PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY IRUSS MTR.

Trusses or components connecting to this girder have been modified by the truss designer. The loading for this girder requires verification for accuracy.

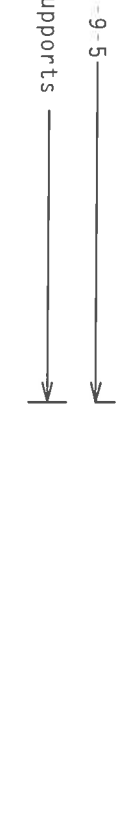
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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

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

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



7.26.06

$$\sigma_{\text{scat}} = 5''/E +$$

NO. 59687



ENGINEERED



ALPINE  
APPLY  
ORIGINAL EVO

7-1001-2

Dec 14 00

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CITY, I.

NO. 59687

STATE OF CALIFORNIA

PROFESSIONAL ENGINEER

DEC 14 '06

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STATE OF CALIFORNIA  
PROFESSIONAL ENGINEER  
No. 59687  
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Dec 14 '06

100

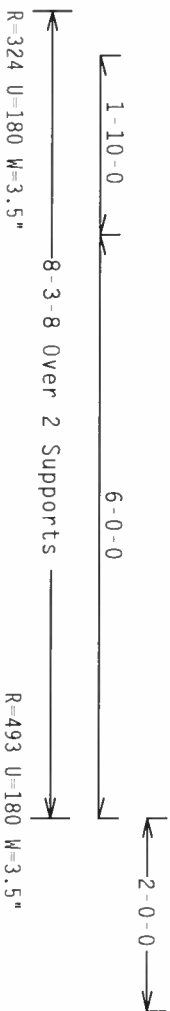




**התאחדות המורים והמורות**

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.



Scale = .5" / Ft.

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

BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

OF 20/18/16GA (W, N/SS/K) ASIM A653 GRADE 40/60 (W, K/H.55) GALV. STEEL. APPLY  
55 AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2  
55 ALLOWED BY (A) SHALL BE PER ANNEX A7 OF DTD11 2003 SECTION 3. A SEAL ON THIS

ABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE  
/FPI SEC. 2.

1911 SEC. 2.

Professional Engineer Seal for Arthur R. Fisher, State of Florida, License No. 59687, dated Dec 14 '06.

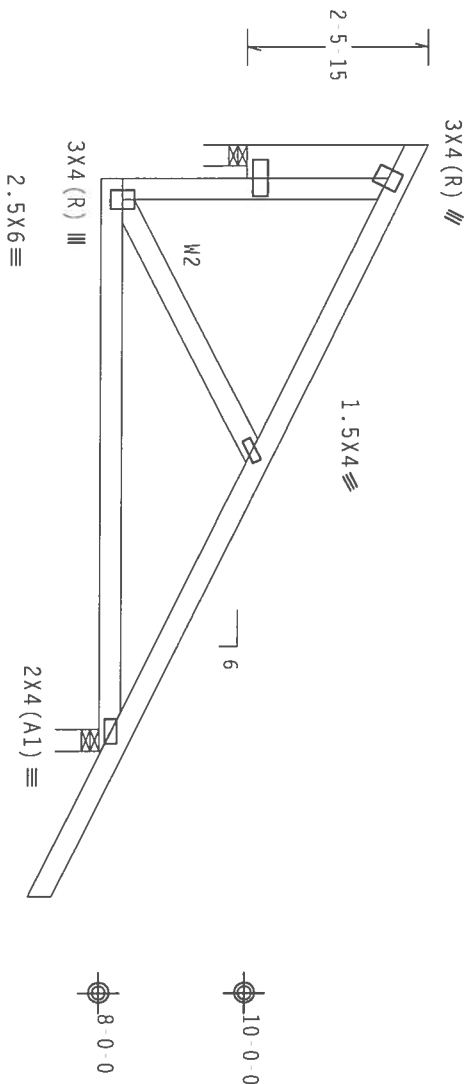
|          |          |        |                  |
|----------|----------|--------|------------------|
| TC LL    | 20.0 PSF | REF    | R487 - 12333     |
| TC DL    | 10.0 PSF | DATE   | 12/13/06         |
| BC DL    | 10.0 PSF | DRW    | HCUR487 06347110 |
| BC LL    | 0.0 PSF  | HC-ENG | KH/AF            |
| TOT.LD.  | 40.0 PSF | SEQN-  | 15590            |
| DUR.FAC. | 1.25     |        |                  |
| SPACING  | 24.0"    | JPFF-  | 1T34A87_203      |

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #2 Dense :W2 2x4 SP #3:  
Lt Bearing Leg 2x6 SP #2:

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not  
located within 4.50 ft from roof edge, CAT II, EXP B, Wind TC  
DL=5.0 psf, wind BC DL=5.0 psf.

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

Wind reactions based on MMFRS pressures.



PLT TYP. Wave

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

7.26.06

TY:1

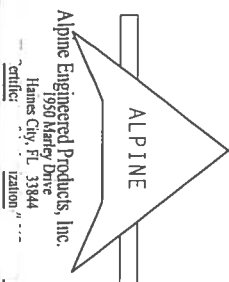
FL/-/4/-/R/-

Scale = .375"/ft.

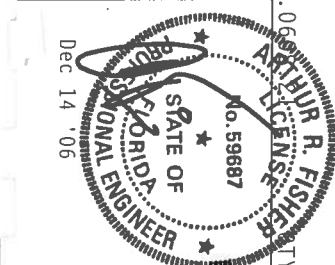
**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO NCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS, INC., 1100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

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 NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W/1/55X) ASH 6053 GRADE 40/60 (W, K/1/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ALPINE TRUSSES ARE TO BE PLACED TO COVER ROOF AREA (1) SHALL BE PER AREA AS OF TPI 2002 SEC.3. A SEAL ON THIS 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 Engineered Products, Inc.  
1950 Marley Drive  
Haines City, FL 33844  
Office: 888-234-2121  
Fax: 888-234-2122



|          |          |                       |
|----------|----------|-----------------------|
| TC LL    | 20.0 PSF | REF R487-12334        |
| TC DL    | 10.0 PSF | DATE 12/13/06         |
| BC DL    | 10.0 PSF | DRW HCUSR487 06347111 |
| BC LL    | 0.0 PSF  | HC-ENG KH/AF          |
| TOT.LD.  | 40.0 PSF | SEQN- 15584           |
| DUR.FAC. | 1.25     |                       |
| SPACING  | 24.0"    |                       |

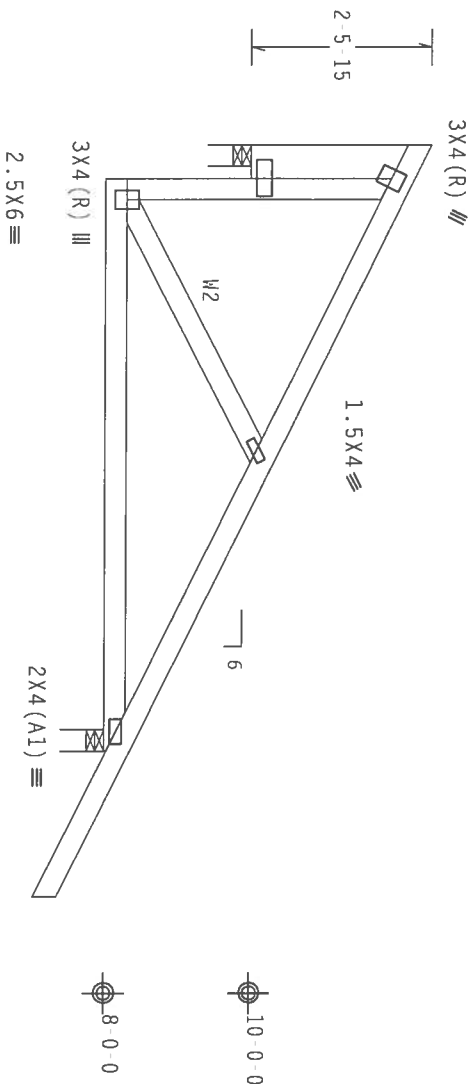
IRFF-1734487-203

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #2 Dense :W2 2x4 SP #3:  
:Lt Bearing Leg 2x6 SP #2:

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not  
located within 4.50 ft from roof edge, CAT II, EXP B, Wind TC  
DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MMFRS pressures.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.26

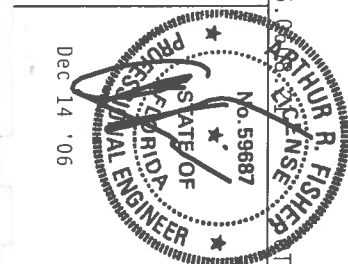
\*\*WARNING\*\* TRUSSES REQUIRE EXISTING GATE TO FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSSES SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T604-2. 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.

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T604-2. 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.  
1950 Marley Drive  
Haines City, FL 33844

Office: 888-222-2222  
Fax: 888-222-2222  
Website: www.alpine-engineered.com



| TC LL    | 20.0 PSF | REF R487-12335        |
|----------|----------|-----------------------|
| TC DL    | 10.0 PSF | DATE 12/13/06         |
| BC DL    | 10.0 PSF | DRW HCUSR487 06347112 |
| BC LL    | 0.0 PSF  | HC-ENG KH/AF          |
| TOT.LD.  | 40.0 PSF | SEQN- 15576           |
| DUR.FAC. | 1.25     |                       |
| SPACING  | 24.0"    |                       |

Scale = .375"/ft.  
DATE 12/13/06  
DRW HCUSR487 06347112  
HC-ENG KH/AF  
SEQN- 15576

DRWF- 1T34487-203

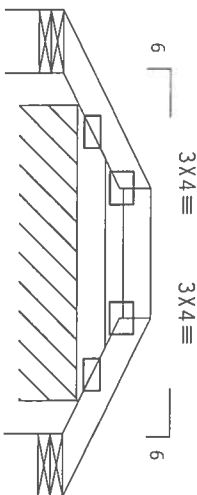
Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense

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

REFER TO HCUR001 02086006 FOR PIGGYBACK DETAILS.  
TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO  
BE BRACED @ 24" O.C. UNLESS OTHERWISE SPECIFIED.

110 mph wind, 19.31 ft mean hgt, ASCE 7-02, CLOSED bldg, not  
located within 4.50 ft from roof edge, CAT II, EXP B, wind TC  
DL=5.0 psf, wind BC DL=1.2 psf.

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



18 11 15

18 10 3

2X4 (A1) ≡ 2X4 (A1) ≡

1-6-3 → 0-10-3  
1-4-0 → 0-10-3

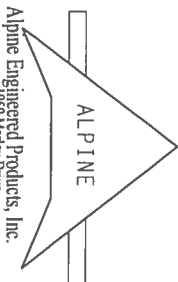
5-0-0 Over 3 Supports  
R-20 U-180 W=7.826"  
R-82 PLF U-59 PLF W=3-0 6

PLT TYP. Wave

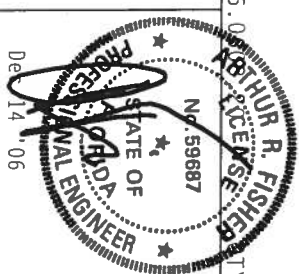
Design Cmt: TPI-2002(STD)/FBC  
Cq/RT=1.00(1.25)/10(0) 7.26.06

\*\*WARNING\*\* TRUSSES REQUIRE EXTERIOR GALT IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.  
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304, AND WICKIWOOD TRUSS CONNECTIONS, UNLESS  
OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE  
A PROPERLY ATTACHED RIGID CEILING.

\*\*IMPORTANT\*\* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED  
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE  
TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.  
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE  
CONTRACTOR PLATES ARE MADE OF 20/18/16GA (4 W/55%) ASTM A653 GRADE 40/60 (4, K7H/55) GALV. STEEL. APPLY  
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2  
AND INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERMITTED AS OF TPI 1 2002 SEC. 3. A SEAL ON THIS  
DESIGN SIGNIFICATES THE SIGNATURE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT  
BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.  
1990 Marley Drive  
Haines City, FL 33844  
"Certified" "Zation"



| FL/-/4/-/R/- |          | Scale = .5"/ft.   |                   |
|--------------|----------|-------------------|-------------------|
| TC LL        | 20.0 PSF | REF               | R487-- 12336      |
| TC DL        | 10.0 PSF | DATE              | 12/13/06          |
| BC DL        | 2.0 PSF  | DRW               | HCUSR487 06347113 |
| BC LL        | 0.0 PSF  | HC-ENG            | KH/AF             |
| TOT.LD.      | 32.0 PSF | SEQN-             | 17396 REV         |
| DUR.FAC.     | 1.25     |                   |                   |
| SPACING      | 24.0"    | JREF- 1T34487 Z03 |                   |

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.

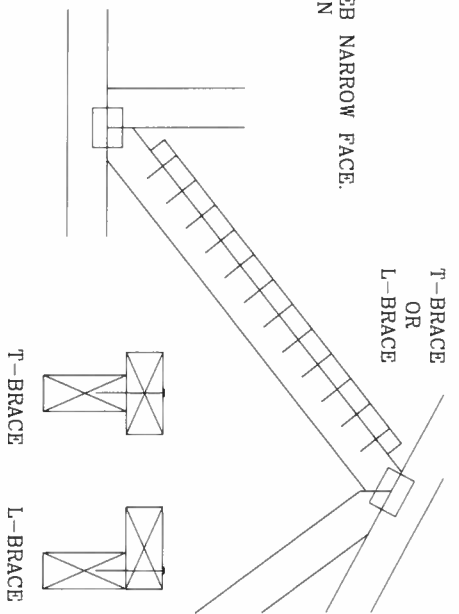
| WEB MEMBER SIZE | SPECIFIED CLB BRACING | T OR L-BRACE | SCAB BRACE |
|-----------------|-----------------------|--------------|------------|
| 2X3 OR 2X4      | 1 ROW                 | 2X4          | 1-2X4      |
| 2X3 OR 2X4      | 2 ROWS                | 2X6          | 2-2X4      |
| 2X6             | 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.

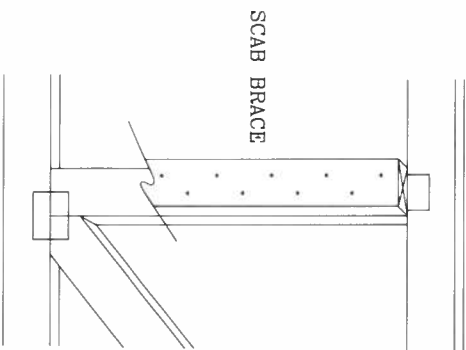
T-BRACING  
OR  
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE. ATTACH WITH 10d BOX OR GUN (0.128" x 3" MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB. NO MORE THAN (1) SCAB PER FACE. ATTACH WITH 10d BOX OR GUN (0.128" x 3" MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

ALPINE ENGINEERED PRODUCTS, INC.  
POMPANO BEACH, FLORIDA

\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE FOLLOWING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI CROSS PLATE INSTITUTE, 218 NORTH STATE ST., SUITE 200, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

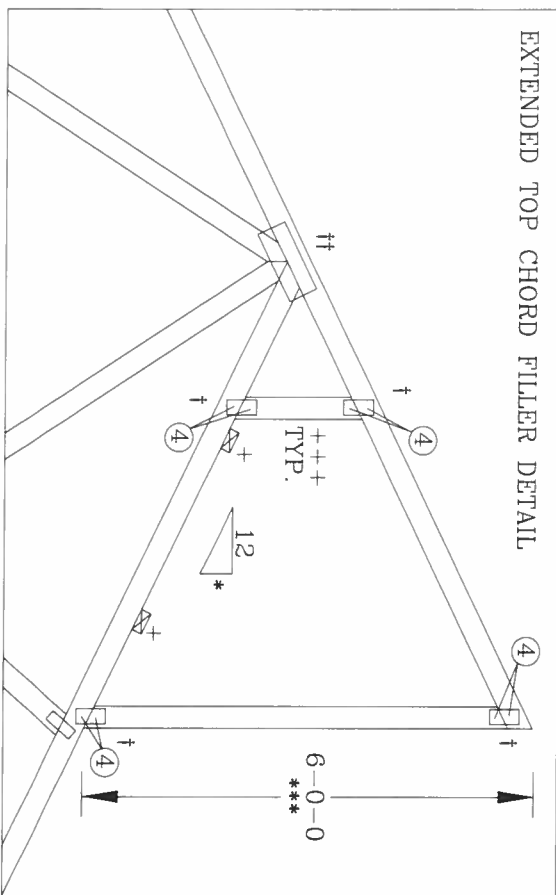
\*\*\*IMPORTANT\*\*\* FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING INSTRUCTIONS, DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ASCE) AND SPI, ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY FAILURE. 40/60 (V/K/H/SS) GALV. STEEL. APPLY TO ALL PLATES. TO BE USED IN CONFORMANCE WITH NDS (NATIONAL DESIGN SPEC. BY ASCE) AND SPI, ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY FAILURE. LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-2. ANY INSPECTION OF PLATES FILLED IN BY (\*) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.

|           |     |      |              |
|-----------|-----|------|--------------|
| TC LL     | PSF | REF  | CLB SUBST.   |
| TC DL     | PSF | DATE | 11/1/06      |
| BC DL     | PSF | DRWG | BRCLBSUB1106 |
| BC LL     | PSF | -ENG | MLH/KAR      |
| TOT. LD.  |     |      |              |
| DUR. FAC. |     |      |              |
| SPACING   |     |      |              |

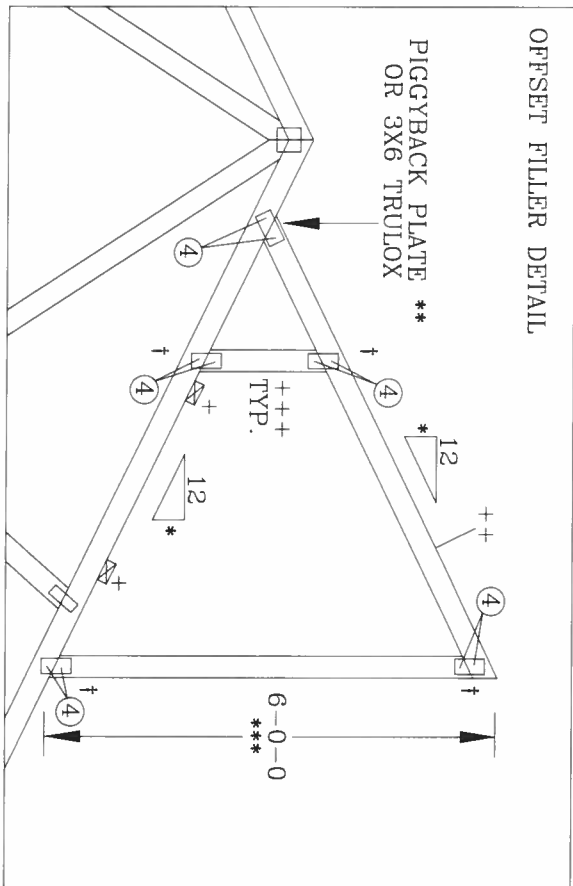
# TOP CHORD FILLER DETAIL

- + 2X4 CONTINUOUS LATERAL BRACING AT 24" O.C. MAXIMUM SPACING. ATTACH TO EACH TOP CHORD WITH (2) 16d COMMON (0.162"X 3.5", MIN) NAILS.
- BRACING MATERIAL TO BE SUPPLIED AND ATTACHED AT BOTH ENDS TO A SUITABLE SUPPORT BY ERECTION CONTRACTOR.
- ++ 2X4 SO. PINE #2 N OR SPF #1/#2 FILLER TOP CHORD.
- +++ 2X4 SO. PINE #3 OR SPF #1/#2 VERTICAL WEBS SPACED 48" OC MAXIMUM.
- \* 8/12 MAXIMUM PITCH.
- \*\* 2X8.25 PIGGYBACK SPECIAL PLATE. SEE DRAWING PIGGYBACK06999 FOR PIGGYBACK SPECIAL PLATE INFORMATION.
- \*\*\* 6'0" MAXIMUM HEIGHT.
- † W2X4 OR 3X6 TRULOX.
- †† REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.
- 0.120"X 1.375" NAILS REQUIRED FOR TRULOX PLATE ATTACHMENT. NAILS SPECIFIED IN CIRCLES MUST BE APPLIED TO EACH FACE OF EACH TRUSS PLY. SEE DWG. 160TL FOR NAILING AND TRULOX PLATE REQUIREMENTS.

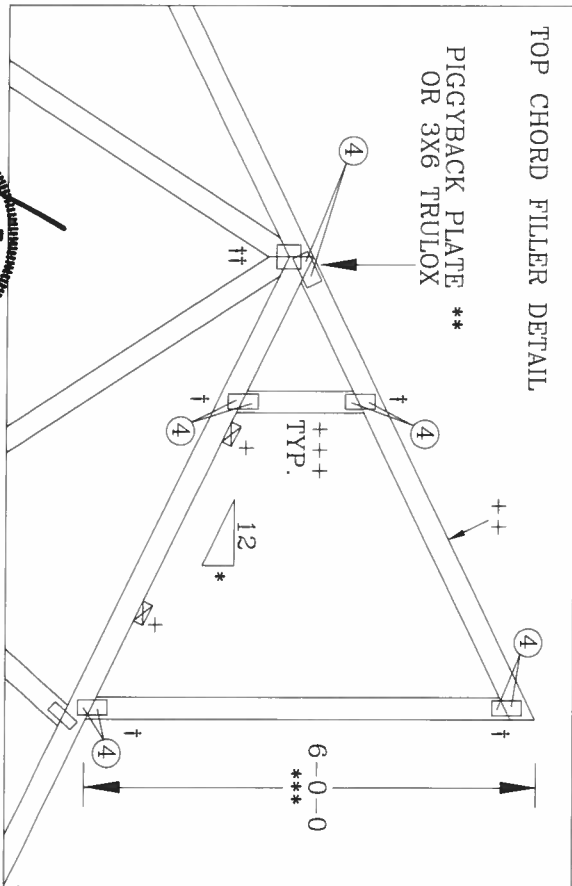
## EXTENDED TOP CHORD FILLER DETAIL



## OFFSET FILLER DETAIL



## TOP CHORD FILLER DETAIL



THIS DRAWING REPLACES DRAWING 884.080

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.  
POMPAHO BEACH, FLORIDA

\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE AMERICA, 4000 W. 11TH AVE., SUITE 312, ALEXANDRIA, VA 22304, AND VITCA GOOD TRUSS COUNCIL OF AMERICA, 1000 W. 11TH AVE., SUITE 312, ALEXANDRIA, VA 22304, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS UNLESS OTHERWISE INDICATED. TRUSSES SHOULD HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

\*\*\*IMPORTANT\*\*\* FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/1664 (W/H/SS/K) ASTM A653 GRADE 50 (60K/155) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED, ALL TRUSS DESIGN DRAWINGS 1600-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) LOCATED AND INSPECTION OF ALL TRUSSES SHALL BE IN THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS 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     | MAX 30 PSF   | REF  | TC-FILLER    |
|-----------|--------------|------|--------------|
| TC DL     | MAX 15 PSF   | DATE | 11/1/06      |
| BC DL     | MAX 10 PSF   | DRWG | TCFILLER1106 |
| BC LL     | 0 PSF        | -ENG | SJP/KAR      |
| TOT. LD.  | MAX 55 PSF   |      |              |
| DUR. FAC. | 1.15 OR 1.33 |      |              |
| SPACING   | 24.0"        |      |              |

# BOTTOM CHORD FILLER DETAIL

\* OPTIONAL INTERIOR OR CANTILEVER BEARING. MINIMUM PLATE SIZES (1X3 WAVE) MAY BE USED IF BEARING IS OMITTED. WEDGE OR VERTICAL MEMBER MUST COINCIDE WITH BEARING LOCATION.

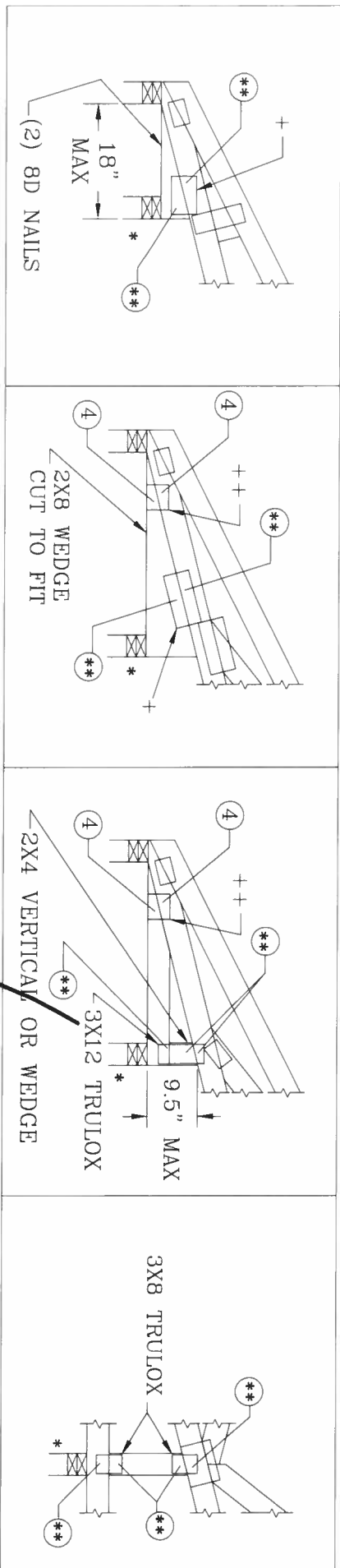
0.120" X 1.375", NAILS, REQUIRED FOR TRUFOX PLATE ATTACHMENT. NAILS SPECIFIED IN CIRCLES MUST BE APPLIED TO EACH FACE OF THE TRUSS. SEE DWG. 1601L FOR NAILING AND TRUFOX PLATE REQUIREMENTS.

+ 3X4 WAVE OR 4X8 TRUFOX  
++ 2X4 WAVE OR 3X6 TRUFOX

REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.

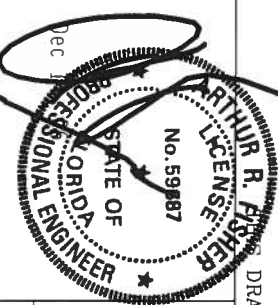
ALL TRUFOX PLATES SHOWN ARE MINIMUMS. LARGER PLATES MAY BE REQUIRED TO ACCOMMODATE REQUIRED NAILS (\*\*)

| FILLER BOTTOM CHORD OR WEDGE SPECIES | MAXIMUM REACTION |        | MINIMUM BEARING AREA | ** REQUIRED NAILS PER FACE WITH TRUFOX PLATES |             |             |             |             |  |
|--------------------------------------|------------------|--------|----------------------|---|-------------|-------------|-------------|-------------|--|
|                                      | DOWNWARD         | UPLIFT |                      | 1.00 D.O.L.                                   | 1.15 D.O.L. | 1.25 D.O.L. | 1.33 D.O.L. | 1.60 D.O.L. |  |
| DOUGLAS FIR-LARCH                    | 3281 #           | 1656 # | 1.5" X 3.5"          | 12  | 11          | 10          | 9           | 8           |  |
| HEM-FIR                              | 2126 #           | 1095 # | 1.5" X 3.5"          | 9   | 8           | 7           | 7           | 6           |  |
| SPRUCE-PINE-FIR                      | 2231 #           | 1192 # | 1.5" X 3.5"          | 10  | 9           | 8           | 8           | 6           |  |
| SOUTHERN PINE DENSE                  | 3465 #           | 1791 # | 1.5" X 3.5"          | 12  | 11          | 10          | 9           | 8           |  |
| SOUTHERN PINE                        | 2966 #           | 1492 # | 1.5" X 3.5"          | 10  | 9           | 8           | 8           | 7           |  |
| SOUTHERN PINE NON-DENSE              | 2520 #           | 1343 # | 1.5" X 3.5"          | 9   | 8           | 7           | 7           | 6           |  |



\*\*\*WARNING\*\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 2100 INDUSTRIAL BLVD., SUITE 200, MADISON, WI 53719, FOR SAFETY INFORMATION AND 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 CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR WOOD CONSTRUCTION) SHALL APPLY. ALL SITE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SS/X) ASTM A573 GRADE 40/60 (W/H/SS) GALV. STEEL. EACH FACE OF TRUSS AND UNLESS OTHERWISE SPECIFIED, SHALL BE PER ANNEK A3 OF TPI 1-2002 SEC. 3. THIS DRAWING INDICATES ACCEPTANCE OF THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



DRAWING REPLACES DRAWINGS A115 A115/R & 884.132

|                              |      |     |      |              |
|------------------------------|------|-----|------|--------------|
| TC LL                        | —    | PSF | REF  | BC FILLER    |
| TC DL                        | —    | PSF | DATE | 11/1/06      |
| BC DL                        | 10.0 | PSF | DRWG | BCFILLER1106 |
| BC LL                        | —    | PSF | —ENG | DJL/KAR      |
| TOT. LD.                     | —    | PSF |      |              |
| DUR. FAC. 1.0/1.15/1.25/1.33 |      |     |      |              |
| SPACING 24.0"                |      |     |      |              |



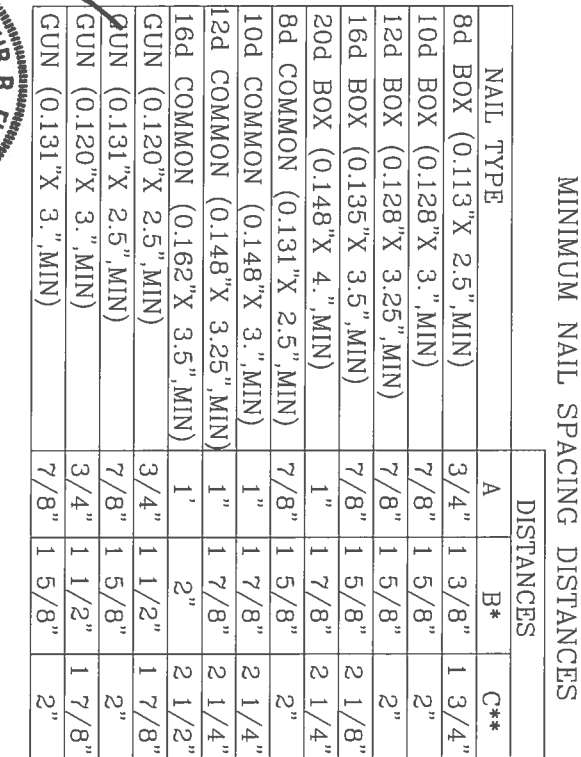
MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

| NAIL TYPE                    | 2X4 | 2X6 | 2X8 | 2X10 | 2X12 |
|------------------------------|-----|-----|-----|------|------|
| DOV (0.440" x 0.5" x 1.125") |     |     |     |      |      |

- | NAIL TYPE                   | 2X4 | 2X6 | 2X8 | 2X10 | 2X12 |
|-----------------------------|-----|-----|-----|------|------|
| 8d BOX (0.113"X 2.5",MIN)   | 3   | 6   | 9   | 12   | 15   |
| 10d BOX (0.128"X 3.",MIN)   | 3   | 5   | 7   | 10   | 12   |
| 12d BOX (0.128"X 3.25",MIN) | 3   | 5   | 7   | 10   | 12   |

|                              |   |   |   |    |    |
|------------------------------|---|---|---|----|----|
| 20d BOX (0.148"X 4,"MIN)     | 2 | 4 | 5 | 6  | 8  |
| 8d COMMON (0.131"X 2.5,"MIN) | 3 | 5 | 7 | 10 | 12 |

|                                |   |   |   |   |    |
|--------------------------------|---|---|---|---|----|
| 16d COMMON (0.148"X 3.5",MIN)  | 2 | 4 | 6 | 8 | 10 |
| 12d COMMON (0.148"X 3.25",MIN) | 2 | 4 | 6 | 8 | 10 |
| 16d COMMON (0.162"X 3.5",MIN)  | 2 | 4 | 6 | 8 | 10 |



| REF  | BEARING BLOCK |
|------|---------------|
| DATE | 11/1/06       |
| DBWC | CINDICRIK4106 |

FORNISH CUT OF THIS DESIGN IS INSTALLATION CONSIDERABLE ALPINE ENGINEERED

2

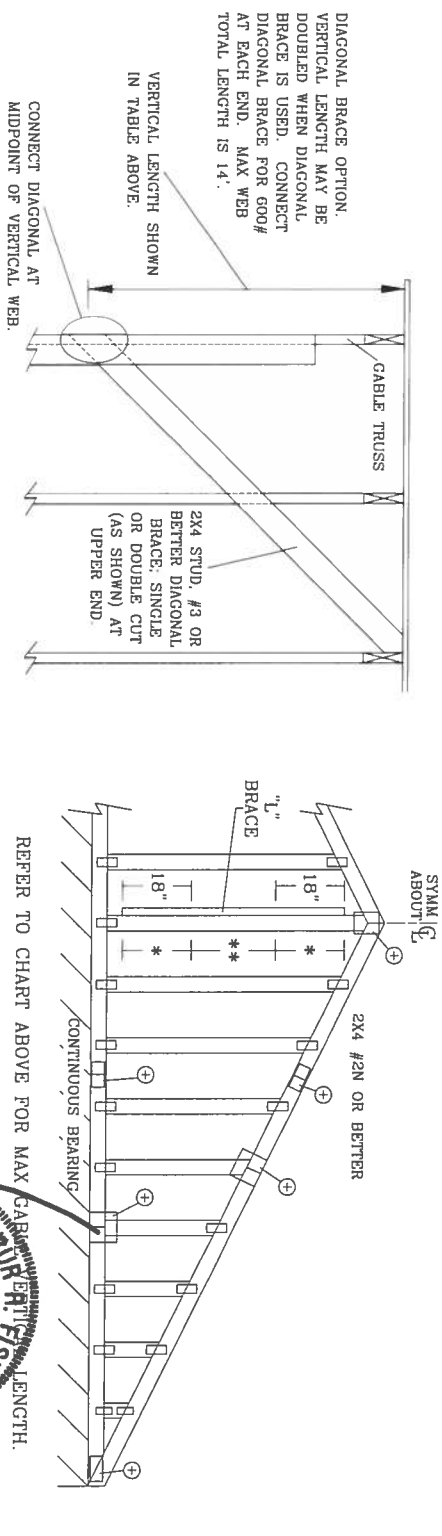
DRMG CNBRGBL100  
-ENG SJP/KAR

DRMG CNBRGBL100  
-ENG SJP/KAR

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

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

GABLE TRUSS DETAIL NOTES:  
 LIVE LOAD DEFLECTION CRITERIA IS L/240.  
 PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).  
 GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.  
 ATTACH EACH "L" BRACE WITH 10d NAILS.  
 \* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.  
 \*\* FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.  
 "L" BRACING MUST BE A MINIMUM OF 90% OF WEB MEMBER LENGTH.



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

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



ALPINE ENGINEERED PRODUCTS, INC.  
 POMPANO BEACH, FLORIDA

MAX. SPACING 24.0"

MAX. TOT. LD. 60 PSF

REF ASCE7-02-CAB11015

DATE 11/1/06

DRWG A11015EE1106

ENG

The diagram illustrates a gable vertical plate splice for a truss. It shows a cross-section of the truss with vertical plates (2X4) and chords (1X4 or 2X3). The splice is located in the vertical member. The diagram includes a table of specifications for the splice, a list of requirements, and an example of the splice detail.

| VERTICAL LENGTH BETWEEN CHORDS           | PLATE SIZE |
|--|------------|
| LESS THAN 4' 0"                          | 1X4 OR 2X3 |
| GREATER THAN 4' 0", BUT LESS THAN 11' 6" | 2X4        |
| GREATER THAN 11' 6"                      | 2.5X4      |

+ REFER TO ENGINEERED TRUSS DESIGN  
 + SPLICE, WEB AND HEEL PLATES.  
 \* IF GABLE VERTICAL PLATES OVERLAP, USE SINGLE PLATE TO SPAN THE WEB.

EXAMPLE:

2X4

2X4

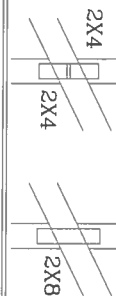
Diagram labels include: SYM. ABOUT, FOR LET-IN VERTICALS, GABLE VERTICAL LENGTH TYP., and PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS ATTACH EACH "T" REINFORCING MEMBER WITH HAND DRIVEN NAILS.

| GABLE VERTICAL PLATE SIZES                  |               |                       |
|---|---------------|-----------------------|
| VERTICAL LENGTH<br>BETWEEN CHORDS           | PLATE<br>SIZE | IF PLATES<br>OVERLAP* |
| LESS THAN 4' 0"                             | 1X4 OR 2X3    | 2X8                   |
| GREATER THAN 4' 0", BUT<br>LESS THAN 11' 6" | 2X4           | 2X6                   |
| GREATER THAN 11' 6"                         | 2.5X4         | 2.5X6                 |

④ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

\* IF CABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

**EXAMPLE:**



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN

ATTACH EACH "T" REINFORCING MEMBER WITH

HAND DRIVEN NAILS:

10d COMMON (0.148" X 3. "MIN) TOENAILS AT 4" O.C. PLUS

(4) 16d COMMON (0.162" X 3.5" MIN) TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS:

8d COMMON (0.131" X 2.5" MIN) TOENAILS AT 4" O.C. PLUS

(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE CABLE DETAIL FOR ASCE OR SBCI WIND LOAD.

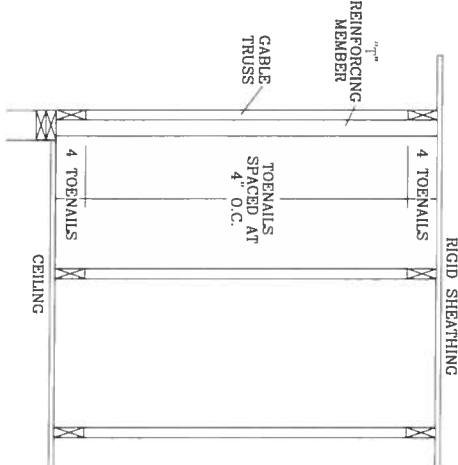
ASCE 7-93 GABLE DETAIL DRAWINGS

AI0105EN1103, AI0015EN1103, A09015EN1103, A08015EN1103, A07015EN1103  
AI1030EN1103, AI0030EN1103, A09030EN1103, A08030EN1103, A07030EN1103  
ASCE 7-98 GABLE DETAIL DRAWINGS

A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103  
 A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103  
 ASCE 7-02 GABLE DETAIL DRAWINGS

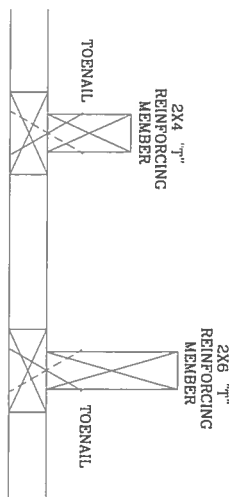
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SEE APPROPRIATE ALPINE CABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED CABLE VERTICAL LENGTH.



WARNING: THESE TISSUES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTHERN LEE STR., SUITE 314, ALEXANDRIA, VA 22304 AND VITA (WOOD TRUSS COUNCIL OF AMERICA), 6500 ENTERPRISE LN. WASHINGTON, VI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS. UNLESS OTHERWISE INDICATED, TPI CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPER, ATTACHED RIGID CEILING.

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING THE TRUSS. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN & BUILDING CODE) FOR TRUSSES. ALL DIMENSIONS AND MATERIALS ARE MADE OF 20/18/16/60 C/H/55/30 ASH 65% GRADE 40/60 C/H/45/35 TAILY STEEL CONNECTION PER DRAWING 16-0001. ALL TRUSSES AND CHORDS FOLLOWED BY CHORDS LOCATED ON THIS DESIGN POSITION PER DRAWING 16-0001. ALL TRUSSES AND CHORDS FOLLOWED BY CHORDS SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES DESIGNER'S DESIGNATION AS PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABLE PER ANS/1611 SEC. 2. THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/1611 SEC. 2.



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

MAXIMUM ALLOWABLE "I" REINFORCED CABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE  $W/T$  BRACE

| WIND SPEED |     | "T" REIN. | SBCI | ASCE |
|------------|-----|-----------|------|------|
| 110 MPH    | M8  | M8. SIZE  |      |      |
| 15 FT      | 2x4 | 10 %      | 10 % |      |
| 110 MPH    | 2x6 | 40 %      | 50 % |      |
| 30 FT      | 2x4 | 10 %      | 10 % |      |
| 100 MPH    | 2x6 | 50 %      | 50 % |      |
| 15 FT      | 2x4 | 10 %      | 10 % |      |
| 100 MPH    | 2x6 | 30 %      | 50 % |      |
| 30 FT      | 2x4 | 10 %      | 10 % |      |
| 90 MPH     | 2x6 | 40 %      | 40 % |      |
| 15 FT      | 2x4 | 20 %      | 40 % |      |
| 90 MPH     | 2x6 | 20 %      | 10 % |      |
| 30 FT      | 2x4 | 20 %      | 20 % |      |
| 80 MPH     | 2x4 | 10 %      | 10 % |      |
| 15 FT      | 2x6 | 10 %      | 30 % |      |
| 80 MPH     | 2x4 | 20 %      | 10 % |      |
| 30 FT      | 2x6 | 20 %      | 40 % |      |
| 70 MPH     | 2x4 | 0 %       | 20 % |      |
| 15 FT      | 2x6 | 0 %       | 20 % |      |
| 70 MPH     | 2x4 | 10 %      | 20 % |      |
| 30 FT      | 2x6 | 10 %      | 30 % |      |

### EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT

GABLE VERTICAL = 24" O.C. SP #3  
"T" REINFORCING MEMBER SIZE = 2X4

"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10  
(1) 2X4 "L" BRACE LENGTH = 6' 7"

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

REPLACES DRAWINGS GAB98117 876,719 & HC26294035

REF LET-IN VERT

DATE 11/1/06

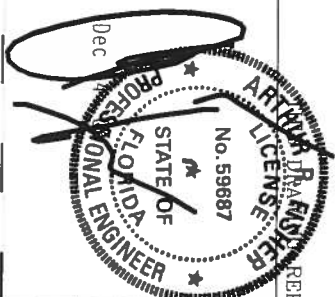
DRWG GBLETTIN1106

-ENG DLJ/KAR

MAX TOT. LD. 60 PSF

DUR. FAC. ANY

MAX SPACING 24.0"



ALPINE ENGINEERED PRODUCTS, INC.  
POMPAHO BEACH, FLORIDA

TOP CHORD 2x4 SP #2N  
BOT CHORD 2x4 SP #3 OR #2N  
WEBS 2x4 SP #3

\*.E (4) 0.131"x1.375" SCOTCH NAILS OR EQUAL IN EACH MEMBER. TRUSS PLATE TO BE APPLIED TO EACH FACE AT 2'-0" O.C. MAXIMUM SPACING. REFER TO DRAWING 142 FOR TRUSS INFORMATION. PLATES ON THE FRONT FACE OF TRUSS MAY BE OFFSET FROM THE BACK FACE AS LONG AS PLATES ARE SPACED 4'-0" O.C. MAX.

NOTE: PIGGYBACK VERTICALS TO BE SPACED AT 4'-0" O.C. MAXIMUM.

\*\* MAXIMUM SIZE OF 2x12, #2 HEM-FIR OR BETTER.

E - 4X6 ALPINE, 3X6 TRUSS AT 2'-0" O.C. MAX.

\*\* PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH W1.5X3 ALPINE.

\* - 3X8 TRUSS PLATE OR ALPINE PIGGYBACK SPECIAL PLATE (SEE DRWG. 847.847)

140 MPH WIND, 30.0 FT MEAN HGT, ASCE 7-02, PART. ENC.BLDG, CAT II, EXP C.

NOTE: THIS DETAIL MAY ALSO BE USED FOR A MONO OR HIP-MONO PIGGYBACK USING A TYPE-C PLATE AT THE HIGH END. AND END VERTICAL WHICH IS GREATER THAN 6'-0" IN LENGTH AND EXPOSED TO WIND MUST BE VERIFIED BY ALPINE ENGINEERED PRODUCTS.

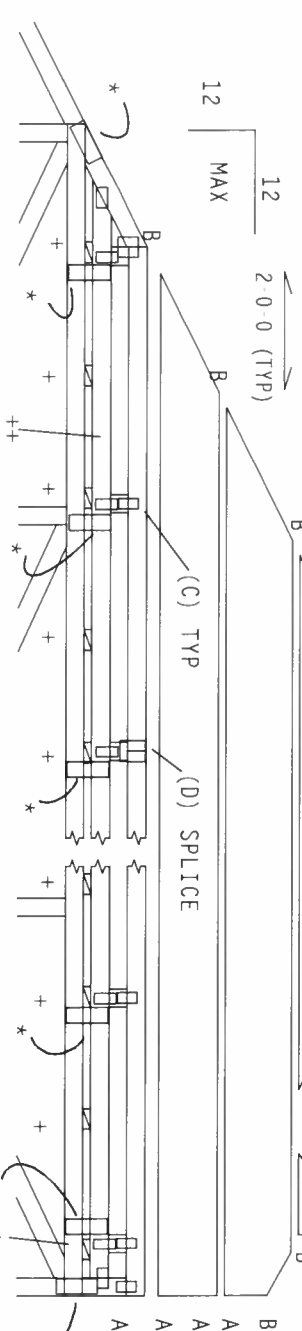
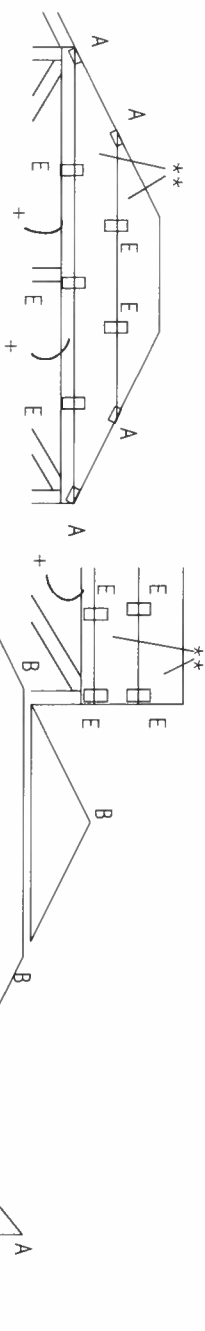
NOTE: TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

+ 2X4 CONTINUOUS LATERAL BRACING AT 24" O.C. MAX SPACING. ATTACH TO TOP SIDE OF SUPPORTED TRUSS TOP CHORD WITH 2-16D NAILS IN EACH TRUSS.

OR 1X4 CONTINUOUS LATERAL BRACING AT 24" O.C. MAX. SPACING. ATTACH TO BOTTOM SIDE OF SUPPORTED TRUSS TOP CHORD WITH 2-16D NAILS IN EACH TRUSS. CHORD OF PIGGYBACK SHOULD REST DIRECTLY ON THE TOP CHORD OF THE SUPPORTED TRUSS.

NOTE: BRACING MATERIAL IS TO BE ATTACHED TO A SUITABLE SUPPORT AT EACH END, AND MUST BE #3 HEM-FIR OR BETTER.

| JOINT TYPE | SPANS UP TO | UP TO 7'-9" | NO BRACING |
|------------|-------------|-------------|------------|
| A          | 30'-0"      | 34'-0"      | 7'-9"      |
| B          | 34'-0"      | 38'-0"      | 12'-3"     |
| C          | 38'-0"      | 42'-0"      | 14'-0"     |
| D          | 42'-0"      | 46'-0"      | 16'-0"     |



ALTERNATE LOADING:  
TCLL 20 30 PSF  
TCDL 20 15 PSF  
BCDL 10 10 PSF  
TOTL 50 55 PSF  
1.25 1.33

PLT TYP. High Strength, Wave TPI-95

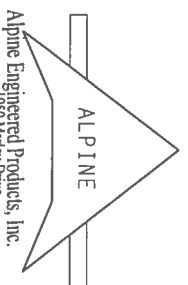
Design Criteria: TPI (STD)

42'-0-0 MAXIMUM PIGGYBACK SPAN

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31.1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE INTERNATIONAL ASSOCIATION OF BUILDING OFFICIALS (IABO), 1001 N. MADISON, MI 48219, AND WICK (GOOD) TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., MI 48219 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 THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IS THE RESPONSIBILITY OF THE USER. DESIGN SPEC. BY ALPINE & TPI.



| TC LL    | 30.0 PSF | REF    | R001 - 0          |
|----------|----------|--------|-------------------|
| TC DL    | 7.0 PSF  | DATE   | 03/27/02          |
| BC DL    | 10.0 PSF | DRW    | HCUSR001 02086006 |
| BC LL    | 0.0 PSF  | HC ENG | DLJ/DLJ           |
| TOT.LD.  | 47.0 PSF | SEON   | 24938             |
| DUR.FAC. | 1.33     |        |                   |
| SPACING  | 24.0"    | JRFF   | 15UNV01_R3R       |

DETAIL: 140PB