#### 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:1SY0487-Z0212133022

Truss Fabricator: Anderson Truss Company

Job Identification: 6-223--Owner\_Builder Samuel Lathem -- , \*\*

Truss Count: 10

Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.24.

Structural Engineer of Record: The identity of the structural EOR did not exist as of

Address: the seal date per section 61G15-31.003(5a) of the FAC

Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 110 MPH ASCE 7-02 -Closed

#### Notes

 Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1

2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.

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

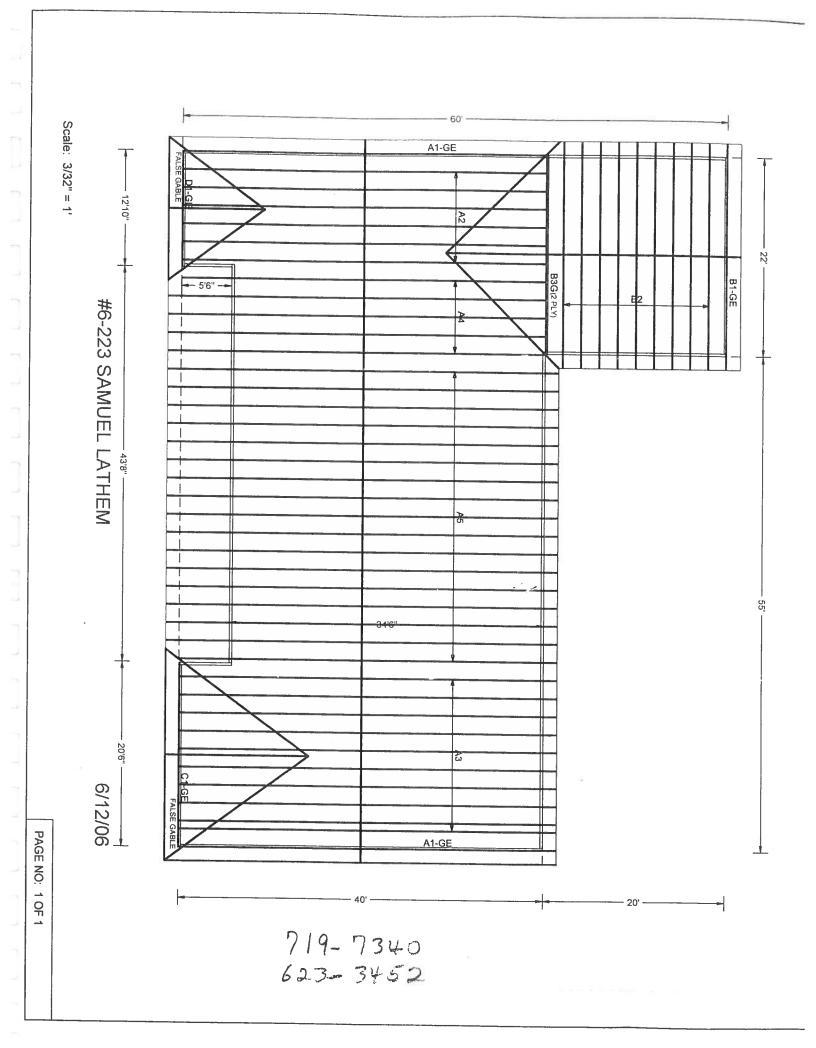
Details: AllO15EE-GBLLETIN-BRCLBSUB-CNBRGBLK-VALTRUO2-

#	Ref Description	Drawing#	Date
1	08183 A1 - GE	06163046	06/12/06
2	08184 A2	06163044	06/12/06
3	08185A3	06163039	06/12/06
4	08186A4	06163045	06/12/06
5	08187 A5	06163040	06/12/06
6	08188B1-GE	06163047	06/12/06
7	08189 B2	06163041	06/12/06
8	08190B3G	06163048	06/12/06
9	08191C1-GE	06163042	06/12/06
10	08192D1-GE	06163043	06/12/06



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





Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #2 Dense:
:Stack Chord SC2 2x4 SP #2 Dense:

See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

(A) 1x4 SP #3 or better "L" brace. 80% length of web member Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" 0C.

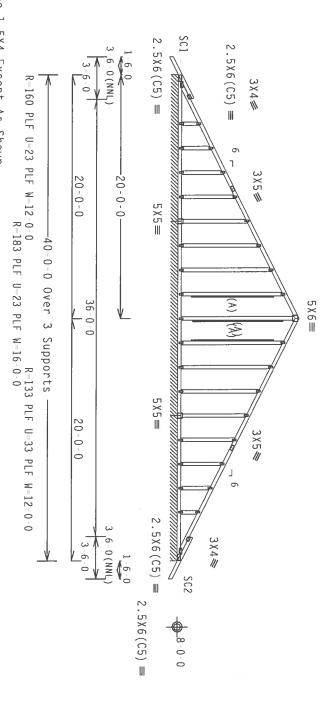
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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.

Gable end supports 8" max rake overhang.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,\mathrm{.}$ 



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit:

TYP.

Wave

Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)\*\*HARNING\*\* TRUSSES REQUIRE CHIRCHE CARE IN FARRICATION. HANDLING. SHIPPING. INSTALLING AND BRACING. RETER TO BEST 1-03 (BUILDING COMPORTH SAFETY INFORMATION). PUBLISHED BY IT! (TRUSS PLAIL INSTITUTE, 803) D'OHOFT ON BE. SUITE 700. HANDLING, HI 52379) AND HICK (400D TRUSS COUNCIL OF AREICA. 6305 ENTERPRISE IN HADISON, HI 52379) FOR SAFETY PRACTICES PRIOR TO PERFORMENT OF THE PRIOR OF T

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

ALPTRE ENGINEERED
PRODUCTS, INC. SHALL HOT BE RESPONSIBLE FOR ANY DEVIATION FROM HISS DESIGN.

APP FAILURE TO BRUICE THE
RUSS IN COMPONENT HIS DESIGN.

DESIGN CONFIDENCY HIS APPLICABLE PROVISIONS OF RHS (MATIONAL DESIGN SPEC, BY ARAA) AND TPI.

DESIGN CONFIDENCY HIS APPLICABLE PROVISIONS OF RHS (MATIONAL DESIGN SPEC, BY ARAA) AND TPI.

APPLICABLES NO EACH FACE OF TRUSS AND. HUNESS DIMERNISE LOCATED ON HIS DESIGN, POSITION FRE BRAHHOS 150A Z.

APPLICATES NO EACH FACE OF TRUSS AND. HUNESS DIMERNISE LOCATED ON HIS DESIGN, POSITION FRE BRAHHOS 150A Z.

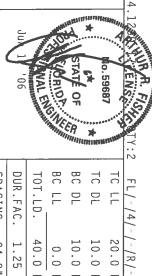
ANY HISPECTION OF PARTES POLLOWED BY (1) SHALL BE PER ANNEX AS OF FPI; 2002 SEC. 3.

AS SAL ON HIS DESIGN SHOWN.

BUILDING SHOWN IN SALELLY AND NISE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/IPI I SEC. 2

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

ALPINE



ż			Ser. C	ER Vann	» Printer	THE PERSON NAMED IN
SNISVOS	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	TC LL
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
JRFF- 1SY0187 ZO2		SEQN- 8291	HC-ENG JB/AF	DRW HCUSR487 06163046	DATE 06/12/06	REF R487 8183

Scale

=.125"/Ft

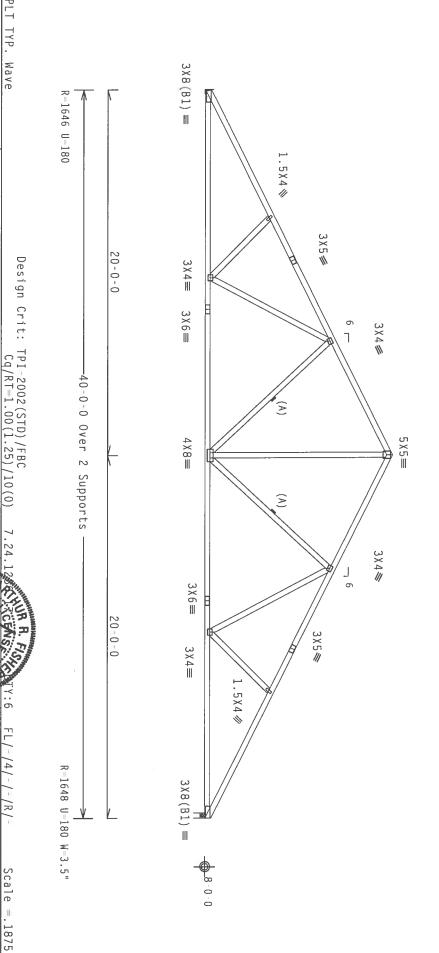
Top Bot chord 2x4 SP #2 Dense chord 2x4 SP #2 Dense Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

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

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

In lieu of structural panels or rigid ceiling use purlins brace TC @ 24" 0C, BC @ 24" 0C.



Alpine Engineered Products, Inc.

\*\* IMPORTANT \*\* IMPRISE A CAPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. METHE ENGINEERED PRODUCTS, INC. SMALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FALLARE TO BUILD THE RUSS IN CONTRAME ATTHE FEEL OF THE PROVISIONS OF THE RUSS IN CONTRACT ATTHE APPLICABLE PROVISIONS OF THIS CONTRACT STATE ARE ALSO OF ZOJUBJAGA, (M. 11/5/4), ASTA MASS GRADE 40/60 (M. KULES), AGAV. STEEL. APPLY CRAFES TO EACH FACE OF TRUSS AND. JUNESS OTHERMISE (DOLTED ON THIS DESIGN, POSITION FER DRAMHIGS 160A Z. ANY LIFE CONTRACT OF THIS STATE AND AND THE STATE AND T

ATE OF

BC LL BC DL C

40.0

PSF

SEQN-HC-ENG

SDACING DUR.FAC. TOT.LD.

24.0" 1.25

JRFF-

1540487

Z02

. 59687

. . .

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

Scale = .1875"/Ft

TC LL

PSF

R487--

2

10.0 PSF 20.0

DATE REF

06/12/06 8184

10.0 PSF 0.0 PSF

DRW HCUSR487 06163044

JB/AF 8257

ALPINE

RIGID CEILING.

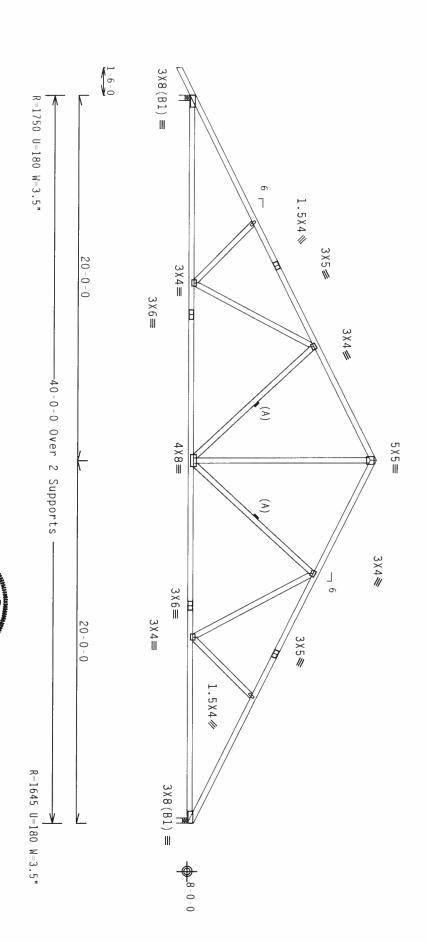
icate of on # 567

TYP.

Wave

Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3 (A) Continuous lateral bracing equally spaced on member. (6 223 Owner Builder Samuel Lathem \* A3) 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLÖSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.

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



icate of / 53844	Alpine Engineered Products, Inc.		ALPINE	\ /	>		PLT TYP. Wave	
BUILDING DYSIGNER PER ANSI/IPI 1 SEC. 2.	ANY INSPECTION OF PLATES FOLICHED BY (1) SHALL BE PER AMBEX AS OF TPIL 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL BEGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DISIGNATION OF THE TRUSS FOR THE TRUSS	COMMICTION PLACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWFINGS 160A Z.	ANY FA	**IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE THISTALLATION CONTRACTOR. AIPINE ENGINEERED	HADISON, NI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED.  THE CHARD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARKETS AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED BELLE CELLED.	**MARNING** IRUSSES REQUIRE EXTREME CARE IN FARRICATION, IMBDING. SHIPPING, INSTALLING AND BRACING, REFER TO BEST 1 03 (BUILDING COMPONENT SAFETY HIFORMATION), PUBLISHED BY TPI (TRUSS PLATE HYSTITUTE, SB3 D'OMOFRIO DR., SUJIE ZDO, MADISUN, NI 53719) AND HICA (MODD TRUSS COUNCIL OF AMERICA, 6300 EMERRESEE IN.	Cq/RT=1.00(1.25)/10(0) 7.24.1	Design Crit: TPI-2002(STD)/FBC
	90, Lann	THE PARTY OF THE P	STORE NO.	STATE OF RIGHT	*	No/59687	TYCE ISE CONT	LUB R. FIS
SPACING 24.0"	DUR.FAC. 1.25	TOT.LD.	BC LL	BC DL	TC DL	TC LL	Y:10 FL/-/4/-/-/R/-	
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF	-/-/R/-	
JRFF 1SY0197 ZO2		TOT.LD. 40.0 PSF SEQN- 8252	HC-ENG JB/AF	10.0 PSF DRW HCUSR487 06163039	10.0 PSF DATE 06/12/06	20.0 PSF REF R487 8185	Scale = .1875"/Ft.	

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

(A) Continuous lateral bracing equally spaced on member.

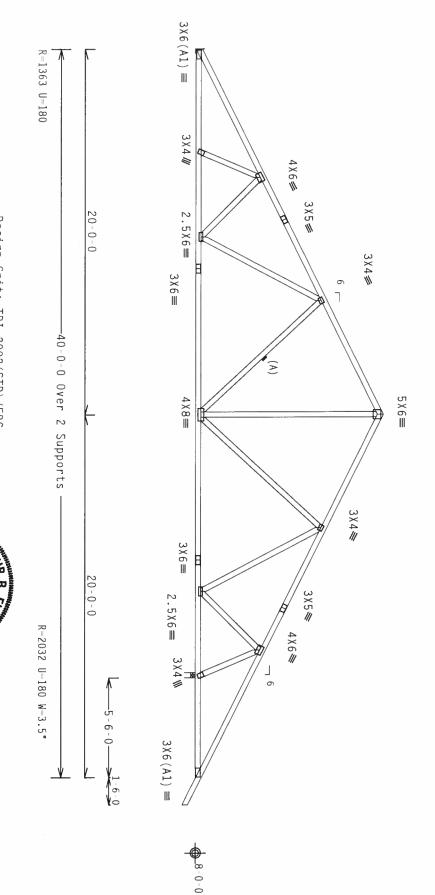
In lieu of structural panels or rigid ceiling use purlins brace TC @ 24" 0C, BC @ 24" 0C.

110 mph wind, 15.00 ft mean hgt located within 6.50 ft from root DL=5.0 psf, wind BC DL=5.0 psf.

ft mean hgt, ft from roof

ASCE 7-02, CLOSED bldg, not edge, CAT II, EXP B, wind TC

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



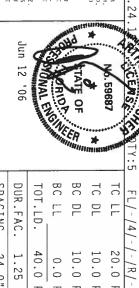
TYP.

Wave

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

Alpine Engineered Products, Inc. 1950 Marley Drive Haines City, FL 33844 (cate of / 2n # 567

ALPINE



		and the second	G/N/	ER	**************************************	arrise!
SDACING	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	TC LL
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
JRFF 1SY0187 Z02		SEQN- 8286	HC-ENG JB/AF	DRW HCUSR487 06163045	DATE 06/12/06	REF R487 8186

Scale = .1875"/Ft.

6

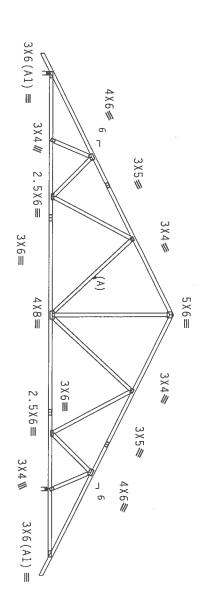
Top chord 2x4 SP #2 Dense Bot chord 2x4 SP #2 Dense Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

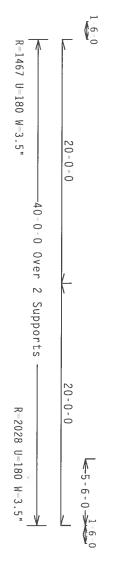
Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

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.

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



8-0-0



Design Crit: TPI-2002(STD)/FBC\*\*WARNING\*\* IRRINSSES REQUIRE EXTREME CARE IN FABRICATION. IMMOSTRING. SUPPLIES, INSTALLING AND BRACING. BEFORE TO BEST 1 to 3 (BUILDING COMPONENT SAFETY HUBBRACING). PHOLISHED BY 1FT (FRUITS PLAIR INSTITUTE, SAS D'ROMOFRE OBB., SUITE 200, MADISON, MI 5379) AND MICA (ADDOD MINES COMMETLO MERICA, 6300 FINERPRISE IN, MADISON, MI 53799) FOR SAFETY PRACTICES PRIDE TO PERFORMING THESE FUNCTIONS. MILES OHIGANIES HOLICATED. TO PERFORMING THESE FUNCTIONS. MILES OHIGANIES HOLICATED.

PLT

TYP. Wave

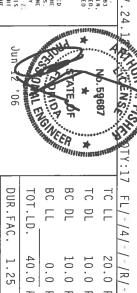
\*\*MAPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

ALPINE ENGINEERED PRODUCTS, INC. SMALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: MAY FAILURE TO BUILD THE ROSSES IN CONTRACTOR PRODUCTS. THE PRODUCTS IN CONTRACTOR PARKE AND THE PROPERTY OF THE PRO

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

ALPINE

RIGID CEILING



	· A	A STATE OF THE STA	ER	muus muus	anteri
DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	TC LL
1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
	SEQN- 8279	HC-ENG JB/AF	DRW HCUSR487 06163040	DATE 06/12/06	REF R487 8187

Scale = .125"/Ft

SNISvas

24.0"

JREE-

1540407

Z02

GE)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #2
:Stack Chord SC2 2x4 SP #2 2x4 SP #2 2x4 SP #2 Dense:

See DWGS All015EE0405 & GBLLETIN0405 for more requirements.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" 0C, BC @ 24" 0C.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,\mathrm{.}$ 

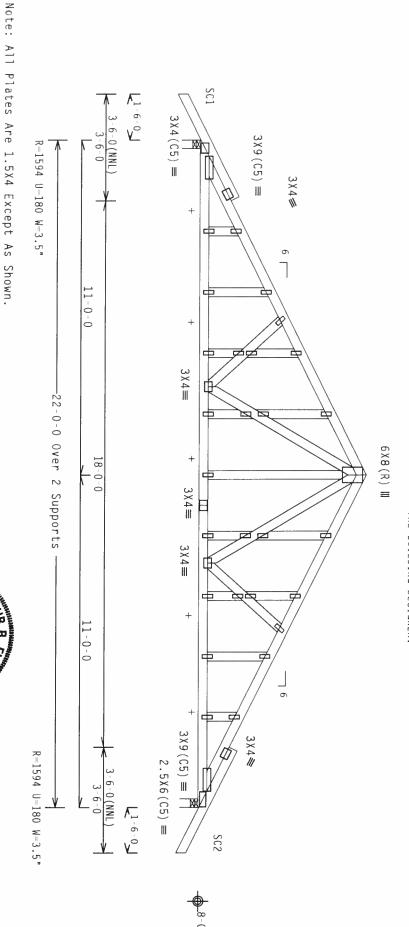
MEMBER TO OTHERS TO TRUSS. BE LATERALLY BRACED FOR WIND LOADS PERPENDICULAR BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY

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.

Gable end supports 8" max rake overhang.

top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice to chord in notchable area using 3x6. Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. Attach stac Attach stacked Splice top

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



Design Crit:

TYP.

Wave

\*\*MARNING\*\* PRISSES REQUIRE EXTREME CARE IN FARRICATION. MANDING. SHIPPING, INSTALLING AND BRACING.
RETER 10 DEST 103 (BULLDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (PRISS PLAIE INSTITUTE, SB3
D'ONDERIO BE., SHIFE 200, ANDISON, WI 53719) AND MICA (MODO BRUSS COMMECTIO AFRIKA, 6300 ERFERRISE LH.
ANDISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED,
TOP CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PARTLES AND BOTTOM CHORD SHALL HAVE A PROPERTY ATTACHED
RIGHD CEILING. TPI - 2002 (STD) /FBC Cq/RT=1.00(1.25)/10(0)

\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR
PRODUCTS. HEC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FALLURE TO BUILLD HEE
PRODUCTS. HEC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. BAY FALLURE TO BUILLD HEE
PRODUCTS. HEC. SHALL NOT BE RESPONSIBLE PROVISIONS OF 1005 (MATIONAL DESIGN SPEC, BY AFREA) AND TEL.
DESIGN CONFICENCY ALTER AND THE PROVISIONS OF 1005 (MATIONAL DESIGN SPEC, BY AFREA) AND TEL.
DESIGN CONFICENCY AND THE PROVISIONS OF 1005 (MATIONAL DESIGN SPEC, BY AFREA) AND THE
CONFICENCY AND THE SHALL NOT SPECIAL DESIGN SPECIAL PROSITION PER BRAHHES 160A 4.
ANY TRESPCTION OF PLATES FOLLOWED BY (1) SHALL BE FER ANDEX A 30° (FPI) 2002 SEC.3.
ASSA. ON THIS
DRAWHING INDICATES ACCEPTANCE OF PROVISSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT ANY HASPICATION OF PLATES FOLLOHED BY (1) SHALL BE PER AHMEX A3 OF FP11 2002 SEC.3. A SFAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE FRUSS COMPONENT DESIGN SHOWN. THE SUITABLILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.

Alpine Engineered Products, Inc. 1950 Marley Drive
Haines City, FL 33844
Teate of / 3n # 567

ALPINE

7.24.1 CENSE ATE OF

TC LL BC TC DUR.FAC. TOT.LD. 2 DL 40.0 10.0 10.0 20.0 1.25 0.0 PSF PSF PSF PSF DATE REF SEQN-DR W HC-ENG HCUSR487 06163047 R487--JB/AF

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

Scale =.3125"/Ft.

06/12/06 8188

SNISVOS

24.0"

JREE-

1SYC197

202

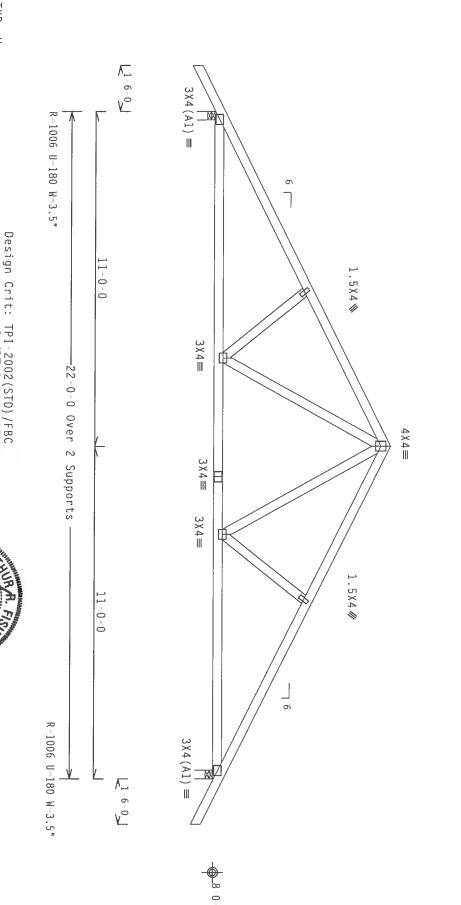
8321

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

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

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/360 live and L/240 total load. Creep increase factor for dead load is  $1.50\,\mathrm{cm}$ 



Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, INABDITING. SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 0'-000FH10 Br., SUITE 200, HADISON, WI 53719) AND MICA (4000 BURS COUNCIL OF ARREICA, 6300 ENTERPRISE INFORMATION), MI 53719) FOR SAFETY PRACTICES PRIOR TO PERCOPHING THESE FUNCTIONS UNLESS OTHERWISE INDICATED. TOP CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PAHELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGHT CELLURAL PAHELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGHT CELLURAL PAHELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGHT CELLURAL PAHELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGHT CELLURAL PAHELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGHT CELLURAL PAHELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGHT CELLURAL PAHELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PAHELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRUCTURAL PAHELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED.

TYP.

Wave

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

ALPHE ENGINEERD PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FALLURE TO BUILD THE TRUSS IN CONFORMACE WITH PI;

OESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (MATIONAL DESIGN SPEC, BY AFRA) AND PI.

CONNECTOR PLAITS ARE MADE OF 20/18/16/AC, MAJASSY, ASTA MASS GRADE 40/50 (BY KPRA) AND PI.

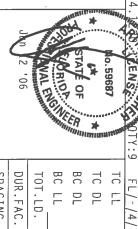
PLAITS TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON HISS DESIGN PROSITION PER DRAWHIGS 160A-Z.

ANY IMPRECIATION OF PLAITS TOLOHOLD BY (1) SHALL BE FER ANNEX A) OF TPIT SOUTHY FOR THE TRUSS COMPOUND DESIGN SHOOM. THE SUSTICION PER DRAWHIGS SHOWN. THE SUSTICION PER DRAWHIGS SHOWN. THE SUSTICION PER DRAWHIGS SHOWN. THE SUSTICION PER DRAWHIGS TO PROFESSIONAL ENGINEERING RESPONSIBILITY OR THE TRUSS COMPOUND DESIGN SHOWN. THE SUSTICION PER DRAWHIGS SHOWN. THE SUSTICION PER DRAWHIGS SHOWN. THE SUSTICION PER DRAWHIGS THE TRUSS COMPOUND DESIGN SHOWN. THE SUSTICION PER DRAWHIGS THE TRUSS COMPOUND THE SUSTICION PER DRAWHIGS SHOWN. THE SUSTICION PER DRAWHIGS TO THE SUSTICION PER DRAWHIGS THE TRUSS COMPOUND THE SUSTICION PER DRAWHIGS THE TRUSS COMPOUND THE SUSTICION PER DRAWHIGS THE TRUSS COMPOUND THE BUILDING DESIGNEER PER ANSIZIPE SECRET.

Alpine Engineered Products, Inc.

ALPINE

Itaines City, FL 33844 icate of / n # 567



BC DL SNISVOS DUR.FAC. TC DL TOT.LD. 24.0" 40.0 20.0 1.25 10.0 PSF 10.0 PSF 0.0 PSF PSF PSF HC=ENG DATE REF JREE SEQN-DRW HCUSR487 06163041 R487-1SY0197 Z02 JB/AF 8317 06/12/06 8189

Scale = .3125"/Ft

Top chord 2x6 SP #2
Bot chord 2x8 SP SS
Webs 2x4 SP #3 :W4 2x4 SP #2 Dense:
SPECIAL LOADS

TC - From 62 PLF at 0.51 to 62 PLF at 21.49 BC - From 20 PLF at 0.00 to 20 PLF at 22.00 BC - 1363 LB Conc. Load at 1.94, 3.94, 5.94, 7.94 BC - 1646 LB Conc. Load at 9.94, 11.94, 13.94, 15.94, 17.94

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.

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

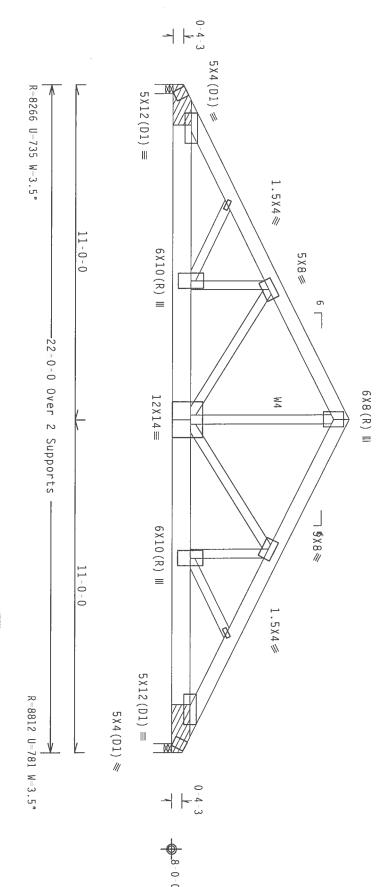
# 2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d\_Common\_(0.148"x3.25",\_min.)\_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.

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

Bearing blocks: Nail type: 12d Common\_(0.148"x3.25",\_min.)\_nails BRG x-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE 1 0.000' 1 16" 18 Match Truss 2 1.708' 1 19" 22 Match Truss Bearing block to be same size and species as bottom chord. Refer to drawing CNBRGBLK1103 for additional information.

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



Design Crit: TPI-2002 (STD) /FBC Cq/RT=1.00 (1.25) /10 (0) 7. \*\*WARNING\*\* IRUSSES REQUIRE EXIRCHE CARE IN FABRICATION. INABILING. SHIPPING. INSTALLING AND BRACING. RETER to dest 1-03 (duilling component saftly information), published by the (rinks plait institute, 4000 driveness et i., and its 200, monitor and 53.719) and nick (4000 driveness council of America, 3000 enteriness et i., maison, hi 53.719 for saftly practices prior to performing iness council of America, 3000 enteriness entorous biall maye a property attached right of the council of the

PLT TYP.

Wave

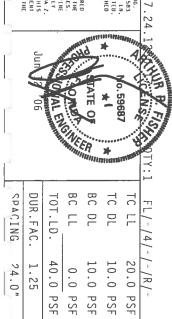
\*\*IMPORTANT\*\*FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR.

AND TALL HOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE HOSDICS. THE COMMONANCE WITH THE TENDER OF FABRICATION, MADELING, SHIPPING, INSTALLING & BRACING OF BUSISES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF HIS GRAING, SHIPPING, INSTALLING & BRACING OF BUSISES, DESIGN CONFORMS WITH APPLICABLE OF 20/18/16/A (4)-1/3/2/A) ASH MADELING SECOND SPEC, BY ATAMA) AND THE CONNECTION FAILES ARE MADE OF 20/18/16/A (4)-1/3/2/A) ASH MADELING SPECIAL ADAPT OF LATES OF ENERSY AND, UNITES OF THIS DESIGN FOR THIS DESIGN, POSITION FER BRAHINGS 160A Z. ANY INSPECTION OF PLATES OF COLONID BY (1) SHALL BE PER ANNEX A OF THIS 2002 SEC. 3. A SEAL ON THIS DESIGN SHOULD NO PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF THIS 2002 SEC. 3. A SEAL ON THIS DESIGN SHOULD SECOND SHOULD SECOND SHOULD SEED THE SHOP SHOULD SEED THE SHOULD SEED THE SHOP SHOULD SEED THE SHOP SHOULD SEED THE SHOULD SEED THE SHOP SHOULD SEED THE SHOULD SEED TH

Alpine Engineered Products, Inc.

ALPINE

Haines City, FL 33844 Ticate of / 2n # 567



REF

37-- 8190 06/12/06

Scale = .3125"/Ft EF R487-- 8190

DRW HCUSR487 06163048

JB/AF 8306

JRFF-

1SY0487

202

HC-ENG SEQN-

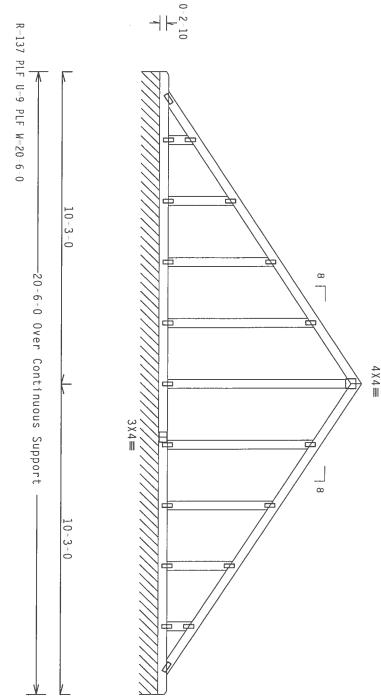
223 - Owner\_Builder Samuel Lathem \* C1-GE)

l op Bot p chord 2x4 SP t chord 2x4 SP Webs 2x4 SP #2 Dense #2 Dense #3

In lieu of structural brace TC @ 24" OC, BC panels or rigid ceiling use purlins to  $@\ 24"\ \text{OC.}$ 

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

See DWGS All015EE0405 & GBLLETIN0405 for more requirements.



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP.

Wave

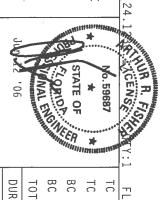
Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/10(0)

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

\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSIALLING AND BRACING, REFER TO BEST 1-03 (BULDING COMPONENT SAFETY INFORMATION), PUBLISHED BY 1PT (RUSS PLATE INSTITUTE, 583 D'ONDERIO DR., SUITE 200, HADISON, HI 53719) AND WICK (MODD TRUSS COUNCIL OF AMERICA, 5300 ENTERPHSE UN, MADISON, HI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE CONCILIONS, UNLESS OTHERMSE LIBOTATED, TOP CHORD SHALL HAVE A PROPERLY ATTACHED. RIGID CEILING.

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

ALPINE TRESCRIBER PRODUCTS, INC. SMALL NOT BE RESPONSIBLE FOR ANY DEVIATION ROW HIS DESIGN. ANY FALLURE TO BUILD THE RESULT OF THE PRODUCTS, INC. SMALL NOT BE RESPONSIBLE FOR THE PRODUCTS HE CONTROLLED THE PRODUCTS HE CONTROLLED THE PRODUCTS HE CONTROLLED THE PROPERTY OF TH NAT INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANKEX AS OF TRIZEOUS FLOWER BRAMINGS 160A. BRANING THE REAL REAL OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLETY FOR THE RUSS COMPONENT DESIGN SHOWN. IN U.S. WILLITTY AND USE OF THIS COMPONENT FOR ANY BUILDING DESIGNER PER ANSI/PP 1 SEC. 2.



				-411	//////	Him
SPACING	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL	TC LL
24.0"	1.25	40.0 PSF	0.0 PSF	10.0 PSF	10.0 PSF	20.0 PSF
JRFF 1SY0487 Z02		SEQN- 8334	HC-ENG JB/AF	DRW HCUSR487 0616304	DATE 06/12/06	REF R487 8191

06163042

202

Scale =

.3125"/Ft.

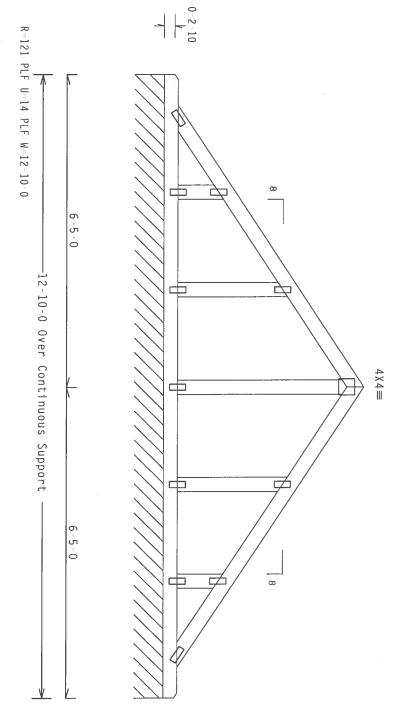
Hop Bot chord 2x4 SP #2 Dense chord 2x4 SP #2 Dense Webs 2x4 SP #3

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

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

See DWGS All015EE0405 & GBLLETIN0405 for more requirements.



Note: All Plates Are 1.5X4 Except As Shown.

TYP. Wave

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

\*\*\*\*WARNING\*\* TRUSSES REQUIRE EXTRIME CARE IN FABRICATION, MANDIANG. SUPPLIES, HISTALLING AND BRACHEG.

RETTER TO REST. 10.3 (BULLDING COMPOUNT SAFETY HORDANION), PUBLISHED BY IPT (TRUSS PALE INSTITUTE, 98)

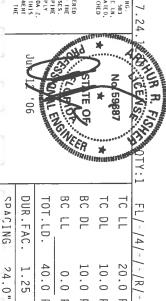
D'ONDÉRIO DR., SUITE ZOD, MAISON, MI 5379) AND NICA (MODO TRUSS COMMICI OF MERICA, 6300 [DITERPRISE IN, MISSION, MI 5379) IOR SAFETY PRACTICES PRIOR TO PERFORMING THESE THICTIONS. MILES OTHERNES HORDANICA, MISSION OF SAFETY ATACHED. RIGID CEILING

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

ALPHE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION ROOM THIS DESIGN. ANY FALLURE TO BUILD THE RENDUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION, SHIPPING, SIPPING, ANY FAILURE TO BUILD THE RUSS IN COMPONENT HIT PRICE PROVISIONS OF 1005 (AN 100AL DESIGN SPEC, BY AFARA) AND PPI. APPING CONNECTOR PALEST ARE AND OF 70/109/160A, (M-1/5/24) ASTH AGES GRADE AND THE SECOND OF THE SECOND THE SOUTH FOR DRAWINGS 160A-2. APPLY PLATES TO EACH FACE OF TRUSS, AND, INHESS OTHERMISS OF THE SECOND OF PALEST FOLLOWED BY (1) SHALL BE FER AND XX 3 OF THI 2002 SEC.3. A SEA, OH THIS DESIGN SHOWN. THE SUITABLLITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNEERED FOR ANY STEEL BUILDING SECOND SECOND

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

ALPINE



	FL/-/4/-/-/R, TC LL 20.0 TC DL 10.0 BC DL 10.0	20.0 PSF 10.0 PSF 10.0 PSF 10.0 PSF	Scale = .5"/Ft.  REF R487 8192  DATE 06/12/06  DRW HCUSR487 06163043
TC	DL LL	20.0 PSF 10.0 PSF	REF R4
	BC DL	10.0 PSF	DRW Hcu
	BC LL	0.0 PSF	HC-ENG JB/AF
	TOT.LD.	40.0 PSF	-ND3S
	DUR.FAC.	1.25	

24.0"

JRFF-

1SY0487 Z02

#### ASCE 7-02: 110 MPH WIND SPEED, 15 MEAN HEIGHT, ENCLOSED, 1.00, EXPOSURE $\bigcirc$

SPRUCE-PINE-FIR
#1 / #2 STANDARD
#3 STUD

#3

STANDARD

HEM-FIR

BRACING

GROUP SPECIES

AND

GRADES:

GROUP

Α:

DOUGLAS FIR-LARCH

SOUTHERN PINE

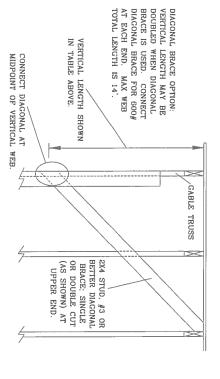
STANDARD

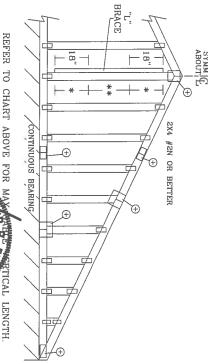
STANDARD

GROUP HEM-FIR #1 & BTR #1

Щ

		]	M	A	X		(	<del>1</del> /	\I	3]		Ξ		V	E	R	<u> </u>	ľ	С	A	L		L	E	N		<u>ר</u>	Ή	
		1	2	"		0	.(	٦.			1	6	"		0	.(	ζ.			2	4	1)		0	. (	3	•	SPACING	H I I I I I
		Ţ.	1	<i>V.</i>	j	TTT.	I,	STI	C E E			j   	<u>V.</u>	)	TTT	口 叮	770				1	<u>V.</u>	) J	TTT	I I	ひてコ	J	SPECIES	CABLE VERTICAL
	STANDARD	STUD	#3	#2	#1	STANDARD	STUD	#3	#1 / #2	STANDARD	STUD	#3	#2	#1	STANDARD	STUD	#3	#1 / #2	STANDARD	STUD	#3	#2	#1	STANDARD	STUD	#3	#1 / #2	GRADE	BRACE
	4' 11"	5 0"	~	5' 3"	5,	4' 9"	4' 9"	4' 9"	4' 11"	4' 5"	4' 6"	4' 6"	4' 9"	4' 10"	4' 4"	4' 4"	4' 4"	4' 5"	3' 10"	4' 0"	4' 0"	4. 2.	4. 3.	3' 9"	3' 9"	သ ့	3' 10"	BRACES	Z O
	7' 5"	8' 5"	8' 5"	8' 5"	8' 5"	7' 3"	ı	8' 5"	8' 5"	6' 5"	7' 6"	7' 7"	7' 8"	7' 8"	6' 4"	7' 4"	7' 4"	7' B"	5, 3,	6, 1,	ල, S <sub>,</sub>	6, 8,	6' B"	ත <sub>.</sub>	6' 0"	6' 0"	6'8"	GROUP A	(1) 1X4 "L"
	7' 5"	8' 7"	8' 5"	9' 1"	9' 1"	7' 3"	8, 5,	8' 5"	8' 8"	6' 5"	7' 6"	7' 7"	8' 3"	8' 3"	6, 4,"	7' 4"	7' 4"	7' 10"	5, 3,	6 1"	6' 2"	7' 2"	7' 2"	5' 2"	6' 0"	6' 0"	6' 10"	GROUP B	" BRACE *
	9' 10"	10' 0"	10'0"	10' 0"	10' 0"	9' 7"	10' 0"	10' 0"	10' 0"	8' 6"	9' 1"	9' 1"	9' 1"	9' 1"	8' 4"	9' 1"	9' 1"	9' 1"	6' 11"	7' 11"	7' 11"	7' 11"	7' 11"	6' 9"	7' 11"	7' 11"	7' 11"	GROUP A	(1) 2X4 "L"
NNAS	9' 10"	10' 6"	10' 6"	10' 9"	10' 9"	9' 7"	10' 0"	10'0"	10' 3"	8' 6"	9' 6"	9' 6"	9' 9"	9' 9"	8' 4"	9' 1"	9' 1"	9' 4"	6' 11"	8' 0"	8' 1"	8, 6,	8' 6"	6'9"	7' 11"	7' 11"	8' 1"	GROUP B	" BRACE *
Z.	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	11' 11"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	10' 10"	9' 4"	9' 5"	9'5"	9'5"	9' 5"	9' 1"	9' 5"	9' 5"	9' 5"	GROUP A	(2) 2X4 "L"
	12' 3"	12' 6"	12' 6"	12' 10"	12' 10"	11' 11"	11' 11"	11' 11"	12' 3"	11' 1"	11' 4"	11' 4"	11' 8"	11' 8"	10' 10"	10' 10"	10' 10"	11' 1"	9' 4"	9' 11"	9' 11"	10' 2"	10' 2"	9′ 1″	9' 5"	9' 5"	9' 8"	GROUP B	BRACE **
	14' 0"	14' 0"	14'0"	14' 0"	14' 0"				14' 0"						12' 11"		14' 0"	14' 0"	10' 10"	12' 5"	12' 5"	12' 5"	12' 5"		12' 3"		- 1	GROUP A	(1) 2X6 "L"
	14' 0"	14' 0"	14' 0"	14' 0"	14'0"	14' 0"	14'0"		14' 0"	13' 3"	14' 0"	14' 0"	14' 0"		12' 11"		14'0"	14' 0"		12' 6"			13′ 5″	10' 7"	12' 3"			GROUP B	BRACE *
	14' 0"	14' 0"	-1	14' 0"	14' 0"	14' 0"	14' 0"	- "		14' 0"	14′0″	14' 0"	14' 0"	14' 0"	14' 0"	1 1	14' 0"	14' 0"		14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	GROUP A	(2) 2X6 "L"
	14' 0"	14'0"	14′0"	14' 0"	14' 0"		14' 0"	14' 0"	14' 0"		14' 0"	14' 0"	14' 0"		14' 0"	14' 0"		14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		14' 0"	14' 0"	GROUP B	BRACE **





GABLE TRUSS DETAIL NOTES:

SOUTHERN PINE

DOUGLAS FIR-LARCH

3

20 ==

GABLE END SUPPORTS LOAD FROM 4' 0" PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER LIVE LOAD DEFLECTION CRITERIA IS L/240. OUTLOOKERS WITH 2' 0" OVERHANG, OR PLYWOOD OVERHANG. CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

\* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C.

\* 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.

MEMBER LENGTH. "L" BRACING MUST BE A MINIMUM OF 80% OF WEB

Ш		+						
	PEAK, SPLICE, AND HEEL PLATES.	REFER TO COMMON TRUSS DESIGN FOR	GREATER THAN 11' 6"	LESS THAN 11' 6"	GREATER THAN 4' 0", BUT	LESS THAN 4' 0"	VERTICAL LENGTH	GABLE VERTICAL PLATE SIZES
	EEL 1	RUSS			TUE			PLAT
	PLA	DE				ž	Z	Ħ
	TES.	SIGN	2.5X4	1004	PAG	1X4 OR 2X3	NO SPLICE	SIZES
		FOR				2X3	Œ	0.3
ΙL								

\*\*IMPORTANI\*\* 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, OF FABRICATING, HANDLING, SHEPPING, INSTALLING SEC, BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (MATIDINAL DESIGN SPEC, BY AFRAY) AND TPI, ALPINE CONNECTIOR PLATES ARE HADE OF 2018/1564 CVHYXYN, ASTM AGS GRADE AVGO (VMX/H,S) GALV, STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS DIHERVISE LOCATED BY HIS DESIGN, POISTION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY CI) SHALL BE PER ANNEX AS OF TPI 1-2002 SEC. 3. A SEAL IN THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI I SEC. 2. \*\*\*WARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BESI 1—32 GBULDING COMPONENT SAFETY INFRWATIDNY, PUBLISHED BY TPI CTRUSS PLATE INSTITUTE, 593 D'NOUPRID DR., SUITE 200, MAISISM, VI. 537199 AND VICA (VOIDO TRUSS COUNCIL OF AHERICA, 6300 ENTERPRISE LN, HADISM, VI. 53739 FOR SAFETY PRACTICES PRIDE TO PERFORHING THESE FUNCTIONIS. UNLESS OTHERWISE INDICATED, TOP CHARD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ALPINE ENGINEERED PRODUCTS, INC POMPANO BEACH, FLORIDA

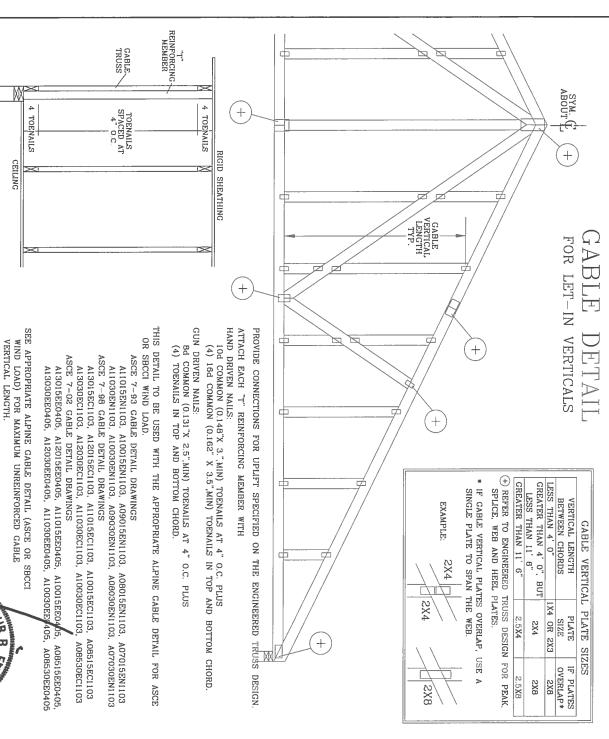
ALPINE

No. 59687 TOWAL ENGINEERS CEMS \* MAX. MAX. TOT. SPACING LD. 60 24.0" PSF REF DRWG DATE -ENG 04/15/05 A11015EE0405 ASCE7-02-GAB11015

A R. F.

TICAL

LENGTH



TOENAIL 2X4 "T" REINFORCING MEMBER 2X6 "T"
REINFORCING
MEMBER TOENAIL

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

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

# WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE 2x4	SBCCI	ASCE
110 MPH 15 FT	2x4 2x6		10
110 MPH	2x4		10
30 FT	2x6	50 %	50
100 MPH	2x4	10 %	10
15 FT	2x6	30 %	50
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40
90 MPH	2x4	20 %	10
15 FT	2x6	20 %	40
90 MPH	2x4	2, 01	10
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40
70 MPH	2x4	2 0	20
15 FT	2x6	2 0	20
70 MPH	2x4	2 01	20
30 FT	2x6	2 01	30

WING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

"T" MUMIXAM

REINFORCED GABLE VERTICAL LENGTH 1.10  $\times$  6' 7" = 7' 3"

2X4 "L" BRACE LENGTH = 6' 7"

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

GABLE VERTICAL = 24" O.C. SP #3 MEAN ROOF HEIGHT = 30 FT ASCE WIND SPEED = 100 MPH

"T" REINFORCING MEMBER SIZE = 2X4

MAX TOT. DUR. FAC. LD. ANY 60 PSF DRWG DATE -ENG DLJ/KAR GBLLETIN0405 04/14/05LET-IN VERT

WAMPORTANIAM FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY EVINTION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSSS IN CONFORMANCE WITH FB; DR FABRICATING, HANDLING, SHPPING, INSTALLING BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NOS (MATIONAL DESIGN SPEC, BY AFRICA AND TP; ALPINE CONNECTOR PLATES ARE MADE OF 20/18/1664 (W.H.ASY). ASTH AGS GRADE 40/60 (W.K.H.S.) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION FER DRAWINGS 160A-2. ANY INSPECTION OF FAITES FOLDED BY () SHALL BE PER MANEX AS OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING ESSIGNER, PER ANSI/TPI I SEC. 2

ALPINE ENGINEERED PRODUCTS, INC. POMPANO BEACH, FLORIDA

**ALPINE** 

\*\*WANRHING\*\* TRUSSES REQUIRE EXPREME CARE IN FABRICATING, MANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS! 1-03 (BUILDING CIMPINENT SAFETY INFORMATION), PUBLISHED BY FPI (TRUSS PLAIE INSTITUTE, 583 D'INNUFRID DR, SUITE 200, MADISON, VI 53719) AND VICA (VADOD TRUSS COUNCIL DE AMERICA, 6300 ENTERPRISE LN, MADISON, VI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERVISE INDICATED, THE CARED SHALL HAVE PROPERLY ATTACHED RIGID CEILING. CORIOP. WAL ENGINEER MANAGEMENT MATE OF

MAX SPACING

24.0"

# 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:

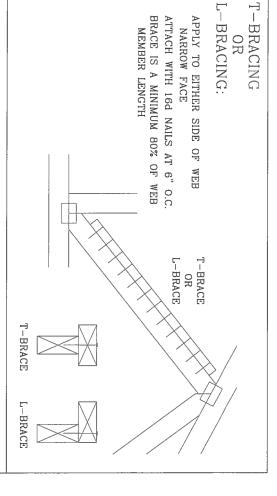
THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

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

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

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.



# SCAB BRACING:

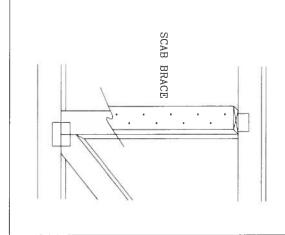
APPLY SCAB(S) TO WIDE FACE OF WEB.

NO MORE THAN (1) SCAB PER FACE.

ATTACH WITH 10d OR .128"x3" GUN

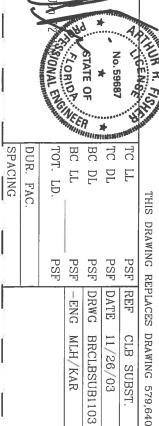
NAILS AT 6" O.C. BRACE IS A MINIMUM

80% OF WEB MEMBER LENGTH





\*\*MARNING\*\* TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TID BOSI 1-03 (BUIL DING CUMPONENT SAFETY INFORMATION», PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ENDFRID DR., SUITE 200, MADISDN, VI. 53719) AND VTCA (VOUDD TRUSS COUNCIL DF AMERICA, 6300 ENTERPRISE LIV, MADISDN, VI. 53719) FOR SAFETY PRACTICES PRIDE TO PERFORMING THESE FUNCTIONS. UNLESS OTHERVISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED



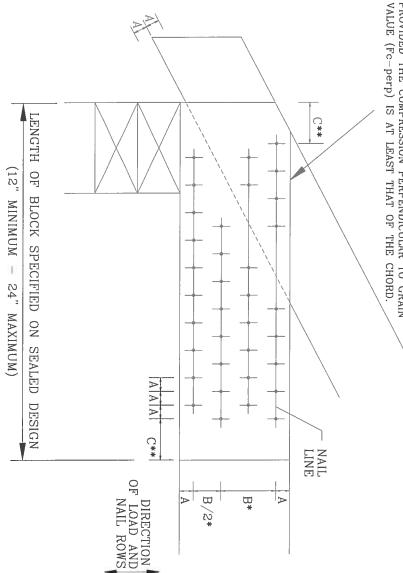
### BEARING BLOCK NAIL SPACING DETAIL

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

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

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

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





POMPANO BEACH, FLORIDA

\*\*\*WARNING\*\*\* TRUSSES REGUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACHING. REFER TO BCS1 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FPI (TRUSS PLATE INSTITUTE, 593 D'INDREMED DR., SUITE 200, HADISON, VI 53719) AND VICA (VIDID TRUSS COUNCIL DE AMERICA, 6300 ENTERPRISE LN, HADISON, VI 53719) FIB SAFETY PRACTICES PRIDR TO PERFORMING THESE FUNCTIONS UNLESS OTHERVISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANNELS 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 CONFERMANCE WITH FFI, OR FABRICATING, HANDLING, SHEPPING, INSTALLING BRACING OF TRUSSES. DESIGN CONFIDENS WITH APPLICABLE PROVISIONS OF NDS CHATIONAL DESIGN SPEC, BY AFRAYA AND FFI, ALPINE CONNECTIOR PLATES ARE HADE OF 20/18/166A CWLXZYA, ASTH A653 GRADE AV/60 (W.X/H.S) GALY STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, WALESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2 ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX AS OF TPI 1-2002 SEC 3. A SEAL ON THIS SPAYMING INDICATES ACCEPTANCE OF PROTESSIONAL 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 ANSIZY AT I SEC 2.

OTONAL ENGINEERING SKORIO . STATE OF

No. 59687 CENSE

#### MAXIMUM NUMBER OF. NAIL LINES PARALLEL $T_0$ GRAIN

		CHC	CHORD SIZE	ZE	
NAIL TYPE	2X4	2X6	2X8	2X10 2X12	2X12
8d BOX (0.113"X2.5")	3	6	9	12	15
10d BOX (0.128"X3")	3	5	7	10	12
12d BOX (0.128"X3.25")	3	5	7	10	12
16d BOX (0.135"X3.5")	ω	5	7	10	12
20d BOX (0.148"X4")	2	4	5	6	8
8d COMMON (0.131"X2.5")	3	5	7	10	12
10d COMMON (0.148"X3")	22	4	0	8	10
12d COMMON (0.148"X3.25")	2	4	6	8	10
16d COMMON (0.162"X3.5")	2	4	6	8	10
0.120"X2.5" GUN	3	6	8	11	14
0.131"X2.5" GUN	3	5	7	10	12
0.120"X3.0" GUN	ယ	6	8	11	14
0.131"x3.0" GUN	ω	5	7	10	12

## MINIMUM NAIL SPACING DISTANCES

		DISTANCES	
NAIL TYPE	Α	₩.	C**
8d BOX (0.113"X2.5")	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"X3")	7/8"	1 5/8"	ಸ್ತ
12d BOX (0.128"X3.25")	7/8"	1 5/8"	ಬೈ
16d BOX (0.135"X3.5")	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"X4")	1"	1 7/8"	2 1/4"
8d COMMON (0.131"X2.5")	7/8"	1 5/8"	ಬ್
10d COMMON (0.148"X3")	1"	1 7/8"	2 1/4"
12d COMMON (0.148"X3.25")	1"	1 7/8"	2 1/4"
16d COMMON (0.162"X3.5")	1,	2"	2 1/2"
0.120"X2.5" GUN	3/4"	1 1/2"	1 7/8"
0.131"X2.5" GUN	7/8"	1 5/8"	2,"
0.120"X3.0" GUN	3/4"	1 1/2"	1 7/8"
0.131"x3.0" GUN	7/8"	1 5/8"	2,

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

-ENG	DRWG	DATE	スピア
SJP/KAR	CNBRGBLK1103	11/26/03	BEAKING BLOCK

# VALLEYTRUSS DETAIL

TOP CHORD CHORD 2X3(\*) OR 2X4 SP #2N OR SPF #1/#2 OR BETTER. 2X4 SP #3 OR BETTER. 2X4 SP #2 OR SPF #1/#2 OR BETTER

- 2X3 MAY BE RIPPED FROM A 2X6 (PITCHED OR SQUARE).
- \* ATTACH EACH VALLEY TO EVERY SUPPORTING TRUSS WITH: SBC 110 MPH, ASCE 7-93 110 MPH WIND OR ASCE 7-98, OR ASCE 7-02 130 MPH WIND. 15' MEAN HEIGHT, ENCLOSED BUILDING, EXP. C, RESIDENTIAL, WIND TC DL=5 PSF (2) 16d BOX (0.135" X 3.5") NAILS TOE-NAILED FOR

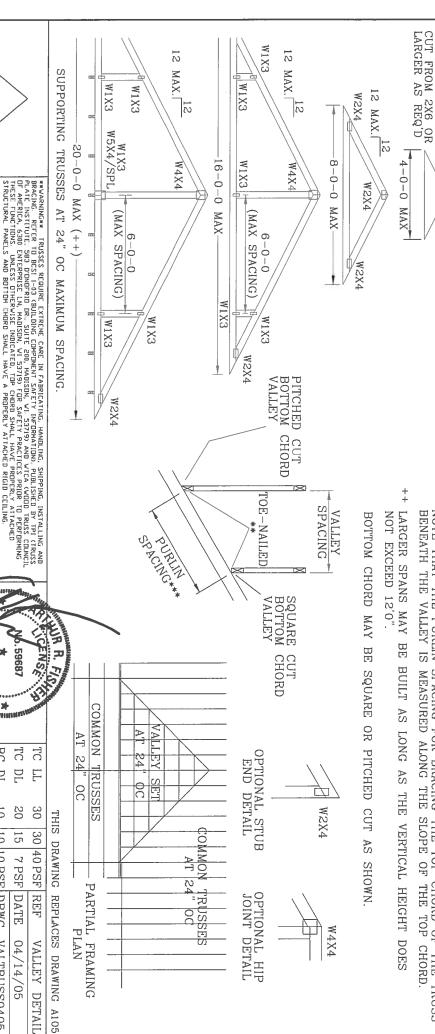
EQUALLY UNLESS SPECIFIED ON ENGINEER'S SEALED DESIGN, APPLY 1X4 "T"-BRACE, 80% LENGTH OF WEB, VALLEY WEB, SAME SPECIES AND GRADE OR BETTER, ATTACHED WITH 8d BOX (0.113" X 2.5") NAILS AT 6" OC, OR CONTINUOUS LATERAL BRACING, SPACED, FOR VERTICAL VALLEY WEBS GREATER THAN 7'9"

MAXIMUM VALLEY VERTICAL HEIGHT MAY NOT EXCEED 12'0".

TOP CHORD OF TRUSS BENEATH VALLEY SET MUST BE BRACED WITH: PROPERLY ATTACHED, RATED SHEATHING APPLIED PRIOR TO VALLEY TRUSS INSTALLATION

PURLINS AT 24" OC ENGINEERS' SEALED DESIGN BY VALLEY TRUSSES USED IN LIEU OF PURLIN SPACING AS SPECIFIED OR AS OTHERWISE SPECIFIED ON ENGINEERS' SEALED DESIGN 0N

NOTE THAT THE PURLIN SPACING FOR BRACING THE TOP CHORD OF THE TRUSS BENEATH THE VALLEY IS MEASURED ALONG THE SLOPE OF THE TOP CHORD.



RUSSES

BC ВС TCTOT. LD DL E 60 20 10 0 55 10 15 0 57 PSF 10 PSF 7 PSF 0 PSF DATE DRWG -ENGMLH/KAR VALTRUSS0405 04/14/05VALLEY DETAIL

STATE OF

6.59687

ONAL ENGINEER DUR.FAC. 1.25/1.33|1.15|1.15

SPACING

24

ALPINE ENGINEERED PRODUCTS, INC. POMPANO BEACH, FLORIDA ALPINE PRODUCTS, NC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIGHT FOR THES DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, NC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIGHT FROM THIS DESIGN, ANY FAILURE TO BRACKING THE TRUSSES. IN CONFIDENCE VITH TPIL OR FABRICATING, THOM THIS DESIGN, ANY FAILURE TO BRACKING DEFINANCE IN CONFIDENCE VITH TPIL OR FABRICATING, THOMALING, SHIPPING, INSTALLING IN SEC. SHALLING THE SECONDARY OF THE SHALLING THE SHALL