

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: IT0J487-Z0211125348

Truss Fabricator: Anderson Truss Company
Job Identification: 6-324--Mike Todd Construction Brewer -- , **
Truss Count: 46
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 - 32.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

Notes:

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

Details: BRCLBSUB-CNBRGBLK-PIGBACKA-PIGBACKB-

Seal Date: 09/11/2006

-Truss Design Engineer-
Arthur R. Fisher

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

#	Ref	Description	Drawing#	Date
1	61417--A1		06254003	09/11/06
2	61418--A2		06254004	09/11/06
3	61419--A3		06254005	09/11/06
4	61420--A4		06254006	09/11/06
5	61421--A5		06254007	09/11/06
6	61422--A6		06254008	09/11/06
7	61423--AA7G		06254010	09/11/06
8	61424--AA8		06254009	09/11/06
9	61425--AA9		06254012	09/11/06
10	61426--AA10		06254013	09/11/06
11	61427--B1		06254016	09/11/06
12	61428--B2		06254017	09/11/06
13	61429--B3		06254018	09/11/06
14	61430--B4		06254019	09/11/06
15	61431--C1		06254020	09/11/06
16	61432--C2		06254021	09/11/06
17	61433--C3		06254022	09/11/06
18	61434--C4		06254023	09/11/06
19	61435--C5		06254024	09/11/06
20	61436--C6		06254025	09/11/06
21	61437--D1		06254026	09/11/06
22	61438--D2		06254027	09/11/06
23	61439--D3		06254028	09/11/06
24	61440--D4		06254029	09/11/06
25	61441--D5		06254030	09/11/06
26	61442--FGA		06254011	09/11/06
27	61443--AMG		06254031	09/11/06
28	61444--HJ9		06254014	09/11/06
29	61445--EJ9		06254015	09/11/06
30	61446--HJ7		06254032	09/11/06
31	61447--EJ7		06254033	09/11/06
32	61448--HJA		06254034	09/11/06
33	61449--EJA		06254035	09/11/06
34	61450--J7		06254036	09/11/06
35	61451--J5		06254037	09/11/06
36	61452--J3		06254038	09/11/06

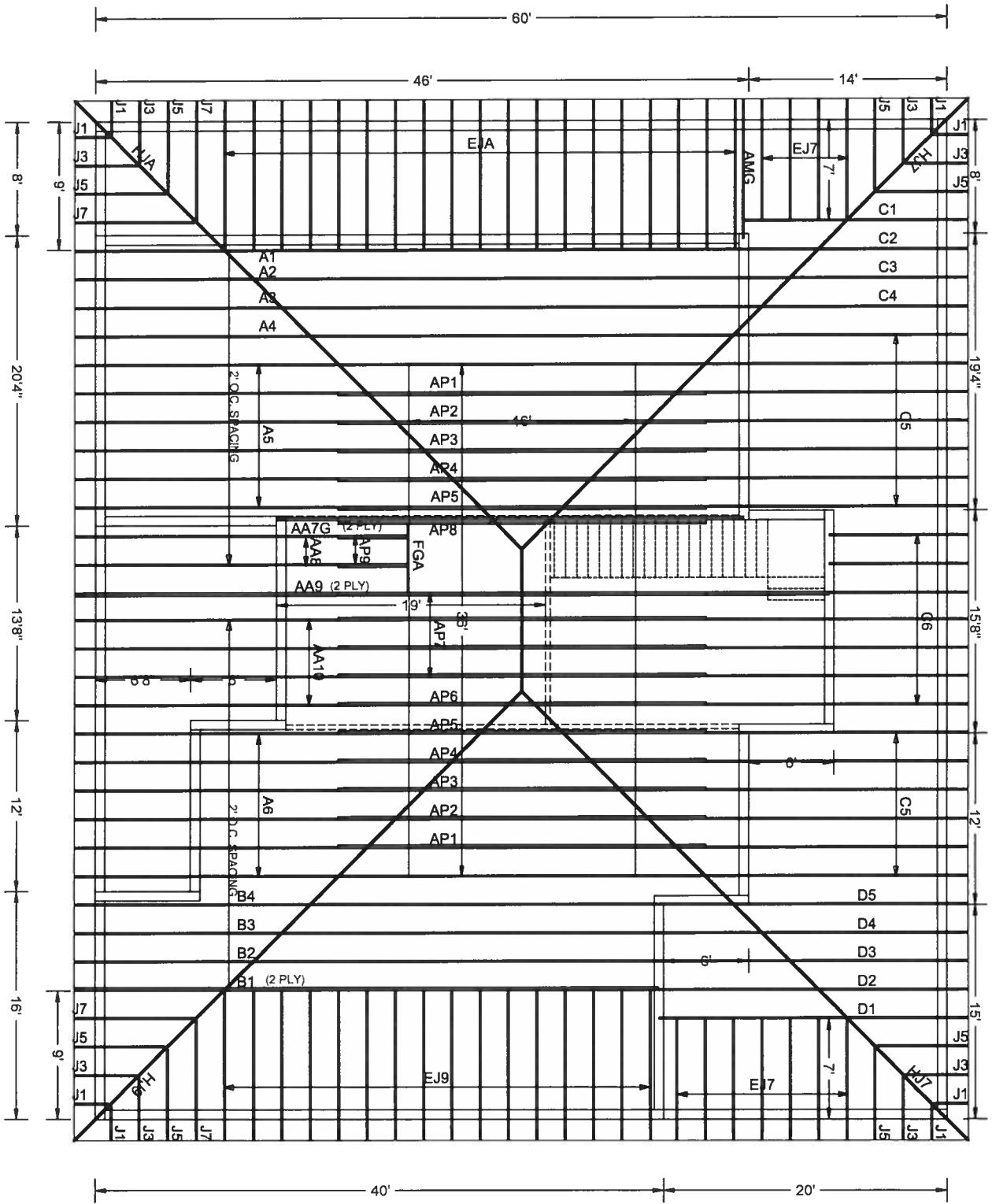
#	Ref	Description	Drawing#	Date
37	61453--J1		06254039	09/11/06
38	61454--AP1		06254040	09/11/06
39	61455--AP2		06254041	09/11/06
40	61456--AP3		06254042	09/11/06
41	61457--AP4		06254043	09/11/06
42	61458--AP5		06254044	09/11/06
43	61459--AP6		06254045	09/11/06
44	61460--AP7		06254047	09/11/06
45	61461--AP8		06254048	09/11/06
46	61462--AP9		06254046	09/11/06



#6-324 MIKE TODD - BREWER

9/7/06

Scale: 3/32" = 1'



Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Splice Block 2x4 SP #3:

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

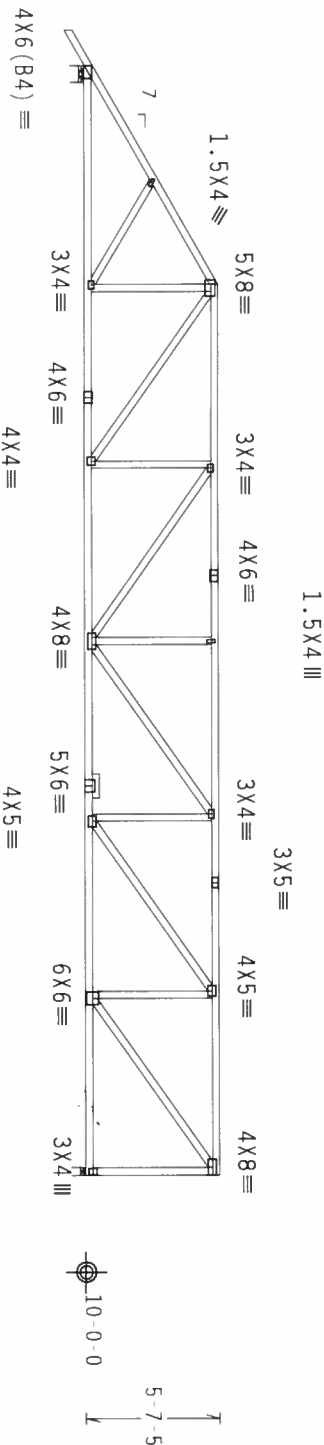
Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.

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.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

WARNING: Furnish a copy of this DWG to the installation
contractor. Special care must be taken during handling, shipping
and installation of trusses. See "WARNING" note below.



9-0-0
1-6-0
45-7-12 Over 2 Supports
R=2008 U=191 W=8"
R=1890 U=202 W=3.75"

PLT TYP. Wave

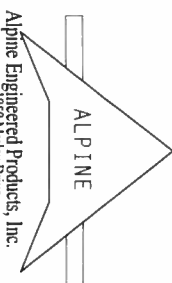
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1230

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

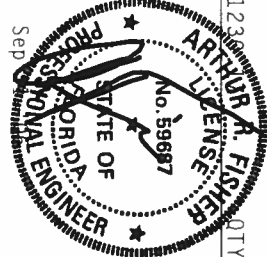
Scale = .125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO DESIG 103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 589
DODD RD., SUITE 200, LAWSON, IL 60129, AND WICK BUILDING TRUSS COMPANY OF AMERICA, 6000 WILSON ST.,
DODD RD., SUITE 200, LAWSON, IL 60129, FOR TRUSS MANUFACTURING AND BRACING INFORMATION. THE
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
DESIGN TO 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
CONNECTION PLATES ARE MADE OF 20/18/16GA (40/50/50) ASH A653 GRADE 40/60 (40/50) GALV STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A.2.
ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE THE FINAL AS OF TPI 2002 SEC. 2.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND THE ASSOCIATED COSTS
OF THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE
BUILDING DESIGNER PER AISC/771 1 SEC. 2.



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



TC LL	20.0 PSF	REF R487-- 61417
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUSR487 06254003
BC LL	0.0 PSF	HC-ENG TCE/AF *
TOT.LD.	40.0 PSF	SEON- 14179
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 170J487_202

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 TD=5.0 psf, wind BC DL=5.0 psf.

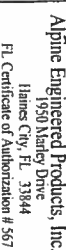
Right end vertical not exposed to wind pressure.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Scale = .125"/Ft.

[illegible]

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

Right end vertical not exposed to wind pressure.

(B) 2x6 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

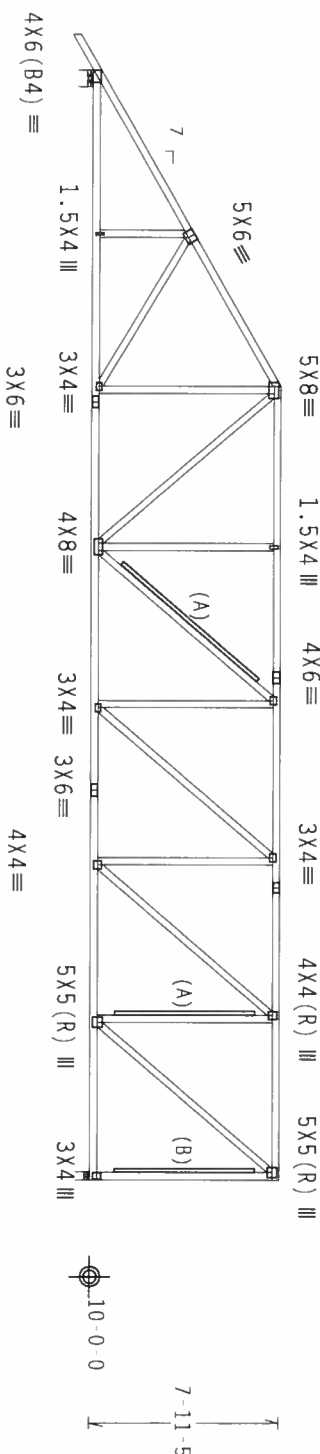


Diagram showing the elevation of a beam with the following dimensions and labels:

- Top span: 13'-0" 0
- Bottom span: 45'-7-12 Over 2 Supports
- Right span: 32'-7-12
- Left support: R-2008 U-180 W=8"
- Right support: R-1890 U=210 W=3.75"

Scale = .125"/Ft.

Alpine Engineered Products, Inc.
10501 Midway Drive

Haines City, FL 33844
 FL Certificate of Authorization # 567

STATE OF
No. 59687
★
★

TC LL	20.0 PSF	REF R487 - 61419
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUSR487 06254005

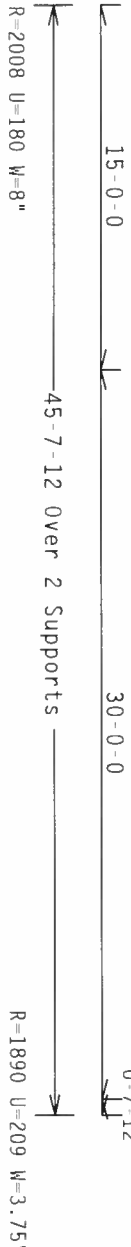
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 14181
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T0J487_Z02

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.

Right end vertical not exposed to wind pressure.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



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

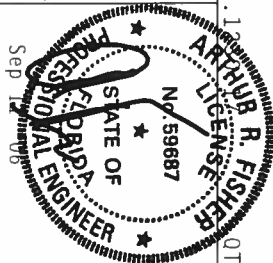
QTY:1

Scale = .125"/Ft.

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

Alpine Engineered Products, Inc.

Haines City, FL 33844



TC LL	20.0 PSF	REF R487-- 61420
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUR487 06254006
BC LL	0.0 PSF	HC-ENG TCE/AF *
TOT.LD.	40.0 PSF	SEON- 14182
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1T0J487_Z02

(6 324 Mike Todd Construction Brewer , ** A5)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense: T3, T4 2x8 SP SS:
Bot chord 2x10 SP SS: B1 2x6 SP #2:
B4 2x4 SP #2 Dense:
Webs 2x4 SP #3: W2, W16 2x4 SP #2 Dense:
W7, W13 2x4 SP #2: W14 2x6 SP #2:

110 mph wind, 15.00 ft mean ht, 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.

Calculated horizontal deflection is 0.48" due to live load and
0.70" due to dead load.

(B) (2) SP #3 or better scab braces. Same size & 80% length of
web member. Attach one to each face w/10d box or gun
(0.128"x3".min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.

WARNING: Furnish a copy of this DWG to the installation
contractor. Special care must be taken during handling, shipping
and installation of trusses. See "WARNING" note below.

(1) 2x10x19-6-0 SP SS Bottom chord scab centered 31-3-0 from left
end. Attach to one face of chord with (5) rows of
12d_common_(0.148"x3.25".min.)nails @ 6" O.C., staggered 3".

Bearing blocks: Nail type: 12d Common_(0.148"x3.25".min.)nails
BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
2 45.33' 1 12 4
Refer to drawing CMBRGLK103 for additional information.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

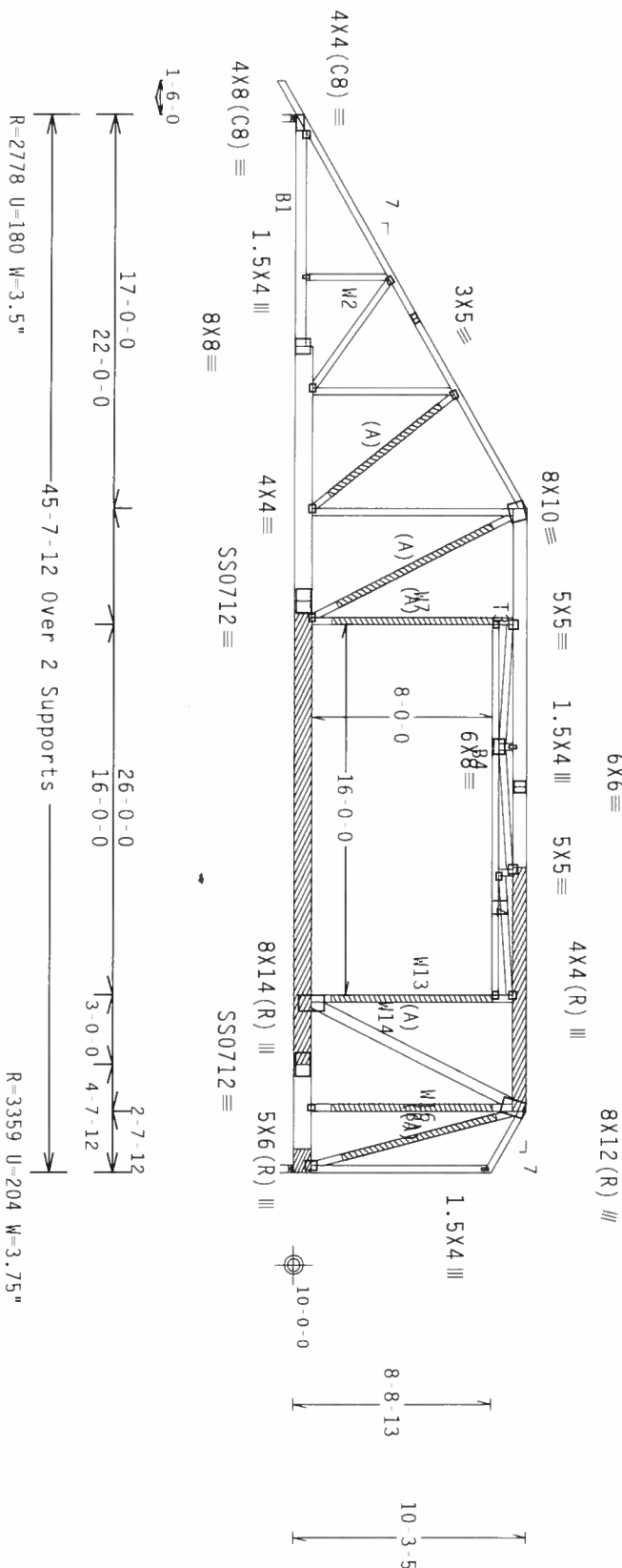
(A) SP #3 or better scab brace. Same size & 80% length of web
member. Attach with 10d box or gun (0.128"x3".min.)nails @ 6" OC.

Collar-tie braced with continuous lateral bracing at 24" OC. or
rigid ceiling.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from
22-0-0 to 38-0-0.

Calculated vertical deflection is 1.04" due to live load and
1.52" due to dead load at X = 21-10-4.

(1) 2x8x10-6-0 SP SS Top chord scab centered 37-9-0 from left
end. Attach to one face of chord with (4) rows of
12d_common_(0.148"x3.25".min.)nails @ 6" O.C., staggered 3".



Note: All Plates Are 3x4 Except As Shown.

PLT TYP. 18 Gauge HS.Wave

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

7.24.18

FL/-/4/-/R/-

Scale = .125"/Ft.

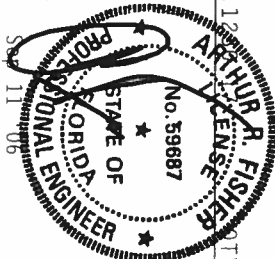
WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO BEST PRACTICES FOR BUILDING COMPONENT SAFETY ENGINEERING, PUBLISHED BY THE TRUSS PLATE INSTITUTE, 503
D'ONDRIO DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LN,
MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED,
TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED
RIGID 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 RULE THE

DESIGN CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ALPINE ENGINEERED PRODUCTS, INC. 1350 Bailey Drive James City, FL 33844 FL Certificate of Authorization #567



TC LL	20.0 PSF	REF	R487 - 61421
TC DL	10.0 PSF	DATE	09/11/06
BC DL	10.0 PSF	DRW	HCSR487 06254007
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN	14216
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T0J487_202

Wind reactions based on M/FRS pressures.

(B) (2) SP #3 or better scab braces. Same size & 80% length of web member. Attach one to each face w/10d Box or Gun (0.128"x3", min.) nails @ 6" OC.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 22-0-0 to 38-0-0.

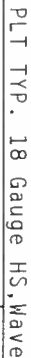
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT 11, EXP B, wind TC=DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

(A) SP #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3", min.) nails @ 6" OC. Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.



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

7.24.123

QTY:1

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

Scale = .125"/Ft.



Alpine Engineered Products, Inc.
1050 Alameda Drive

FL Certificate of Authorization # 567

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

ALPINE ENGINEERING

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

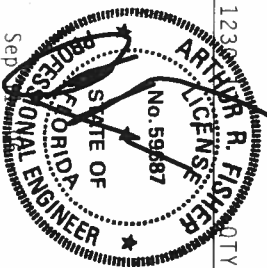
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND 1P1. ALL PLATING
CONNECTOR PLATES ARE MADE OF 20/14/16GA (H/H/S/K) ASTM A653 GRADE 40/50 (N. K/H-S) GALV. STEEL. APPLY

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

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF (P1) 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCURACY OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSE COMPANY

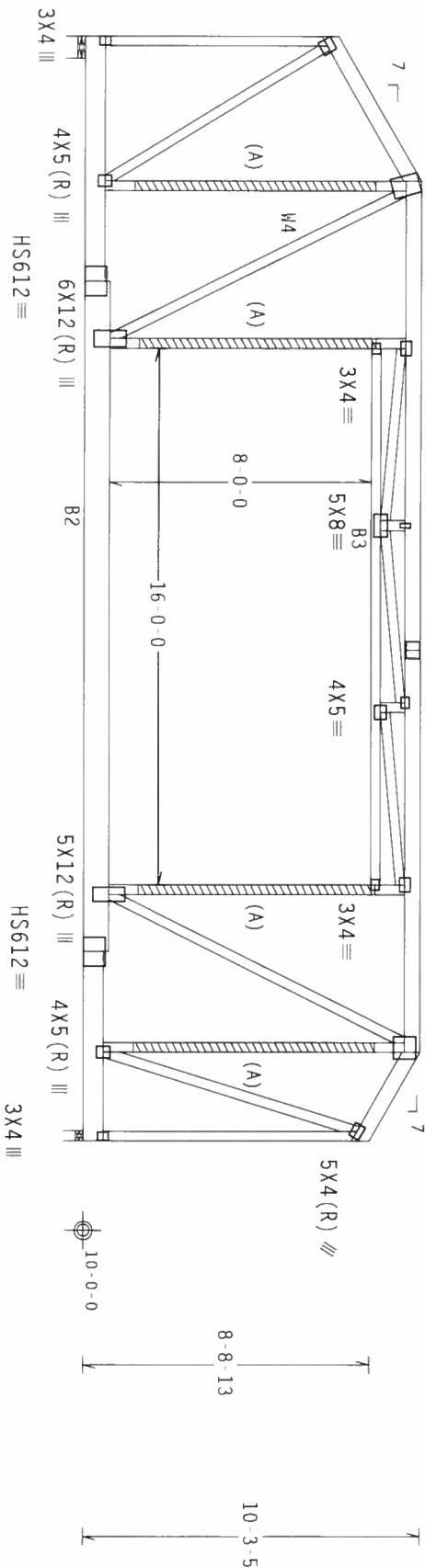
DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE OVERSEEING INDIVIDUAL. ACCEPTANCE OF PROFESSIONAL AND HELPING RESPONSIBILITY SELECT FOR THE CROSS COMPONENT.

BUILDING DESIGNER PER ANSI/FP1 1 SEC. 2.



TC LL	20.0 PSF	REF	R487 - 61422
TC DL	10.0 PSF	DATE	09/11/06
BC DL	10.0 PSF	DRW	HCUSR487 06254008
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEON-	14219
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T0J487_Z02

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



WARNING FIBERS REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO GC5-1.03 (BUILDING COMPONENT SAFETY INFORMATION), HANDLED BY TPI (TROSS RAYTE INSTITUTE, 593 O'CONNOR DR., SUITE 200, MADISON, WI 53719) AND TPCA (WOOD RUSSELL CORP. OF AMERICA, 6500 ENTERPRISE, N.E. MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED CEILING.

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

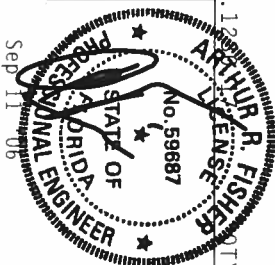
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFRPA) AND TPI. ALUMINUM CONNECTOR PLATES ARE MADE OF 2018/16GA (H, H/S/K) ASTM A653 GRADE 40/60 (H, K/H,S) GALV. STEEL. APPLY

PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-160D. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII-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 USER.

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R487 - 61423
TC DL	10.0 PSF	DATE	09/11/06
BC DL	10.0 PSF	DRW	H05R487 06254010
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	14299
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JREF-	1T0J487_Z02

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 TD DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

(A) 2x6 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.


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

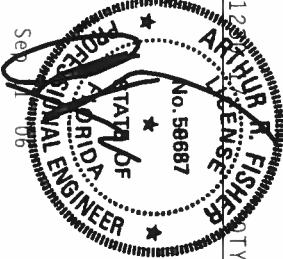
1 FL/-/4/-/-/R/-

Scale = .1875"/Ft.

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

Alpine Engineered Products, Inc.
1050 Madison Drive

FL Certificate of Authorization # 567
Maines City, FL 33844



TC LL	20.0 PSF	REF R487-- 61424
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUSR487 06254009
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEON- 14235
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1T0J487_202

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #2 :B2 2x8 SP #1 Dense:
:B3 2x10 SP #5 :B4 2x4 SP #2 Dense: :B5 2x6 SP #1 Dense:
Webs 2x4 SP #3 :W6 2x4 SP #2 Dense:

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 95 PLF at -1.50 to 95 PLF at 51.65
PL - From 30 PLF at 22.00 to 30 PLF at 38.00
BC - From 7 PLF at -1.50 to 7 PLF at 0.00
BC - From 30 PLF at 0.00 to 30 PLF at 22.00
BC - From 180 PLF at 22.00 to 180 PLF at 38.00
BC - From 30 PLF at 38.00 to 30 PLF at 51.65
BC - 492 LB Conc. Load at 21.88
BC - 240 LB Conc. Load at 22.00, 38.00

(A) SP #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3".min.)nails @ 6" OC.

Collar-tie braced with continuous lateral bracing at 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

2 COMPLETE TRUSSES REQUIRED

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

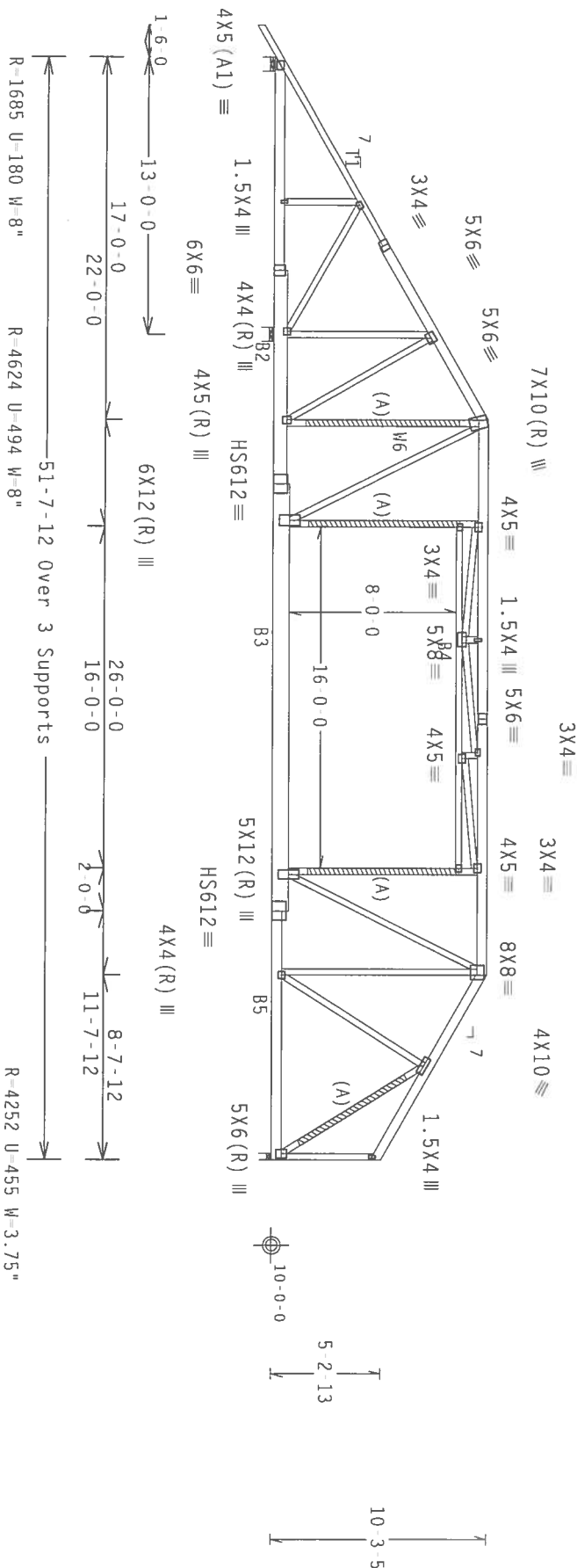
110 mph wind, 15.00 ft mean hgt. ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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



PLT TYP. 20 Gauge HS.Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.12

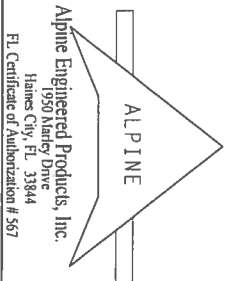
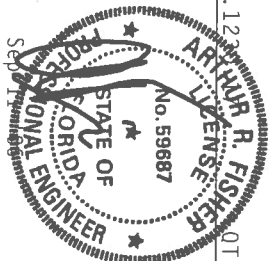
QTY:1

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

Scale =.125"/Ft.

WARNING TRUSSES REQUIRE EXPERT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&I 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 903 D'HOORIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE INSTALLER SHALL BE RESPONSIBLE FOR THE DESIGN COMPLIANCE WITH APPLICABLE PROVISIONS OF THE INTERNATIONAL BUILDING CODE, THE NATIONAL BUILDING CODE, THE INTERNATIONAL CODES OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719, AND THE 2001/1664 (N/A/S/K) ASH 4653 GRADE 40/60 (N/A/S/K) STEEL. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN ASSOCIATION OF ENGINEERS (A.A.E.) A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R487-61425
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUR487 06254012
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 14278
DUR.FAC.	1.25	
SPACING	SEE ABOVE	UREF- 1T0J487_202

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #2 :B2 2x8 SP #1 Dense:
:B3 2x10 SP SS: :B4 2x4 SP #2 Dense: :B5 2x6 SP #1 Dense:
Webs 2x4 SP #3 :W6 2x4 SP #2 Dense:

(A) SP #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

(B) (2) SP #3 or better scab braces. Same size & 80% length of web member. Attach one to each face w/10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 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.

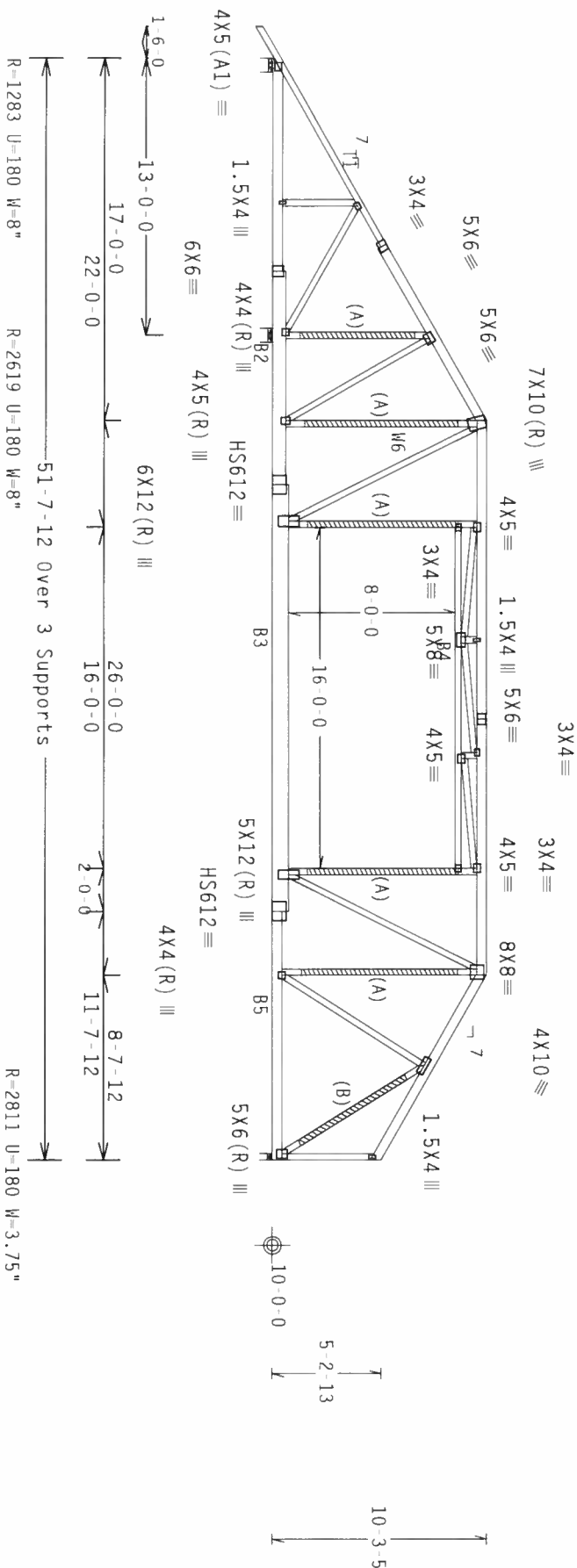
Wind reactions based on MMFRS pressures.

Right end vertical not exposed to wind pressure.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf: from 22-0-0 to 38-0-0.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



PLT TYP. 20 Gauge HS,Wave

Design Crit: TP1-2002(STD)/FBC

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

7.24.12

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

Scale = .125" / Ft.

WARNING TRUSSES REQUIRE EXISTING CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESI 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 503 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND UBCA (GOOD TRUSS COUNCIL OF AMERICA, 6700 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

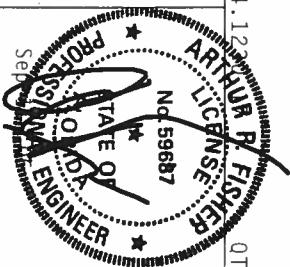
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS AS SHOWN OR ANY OTHER DEVIATION FROM THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

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ALPINE

Alpine Engineered Products, Inc.
1550 Bailey Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - -	61426
TC DL	10.0 PSF	DATE	09/11/06	
BC DL	10.0 PSF	DRW	HCUSR487	06254013
BC LL	0.0 PSF	HC-ENG	TCE/AF	
TOT.LD.	40.0 PSF	SEQN-	14263	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1T0J487_Z02	

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) 2x4 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.



Scale = .1875"/Ft.

A close-up of a clock face. The numbers 5, 6, 6, 8, and 7 are visible in a row. To the right of the 7 is a capital letter 'A'. The clock has a dotted outer ring and a solid inner ring. There are three stars on the clock face. A hand is visible pointing towards the 7.

FL Certificate of Authorization # 567

TC LL	20.0 PSF	REF R487 - - 61429
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUR487 06254018
BC LL	0.0 PSF	HC-ENG TCE/AF *
TOT.LD.	40.0 PSF	SEON - 14185
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1T0J487_202

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.

Right end vertical not exposed to wind pressure.

(B) 2x6 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.



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

Scale = .1875"/Ft.

THE FLORIDA LICENSE
No. 59687

ALPINE ENGINEERED

LE PROVISION

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

FL Certificate of Authorization # 567

TC LL	20.0 PSF	REF	R487 - 61430
TC DL	10.0 PSF	DATE	09/11/06
BC DL	10.0 PSF	DRW	HCUSR487 06254019
BC LL	0.0 PSF	HC-ENG	TCE/AF *
TOT.LD.	40.0 PSF	SEQN -	14186
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T0J487_202

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

Wind reactions based on MWFRS pressures.

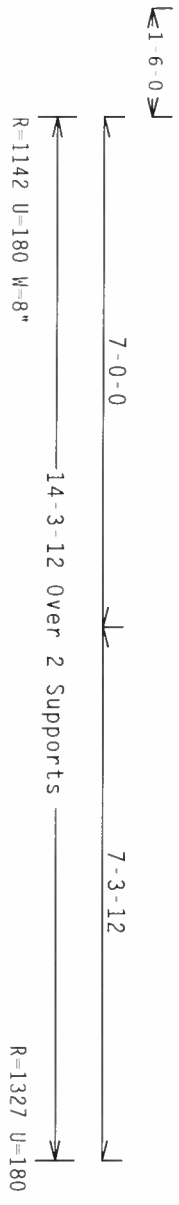
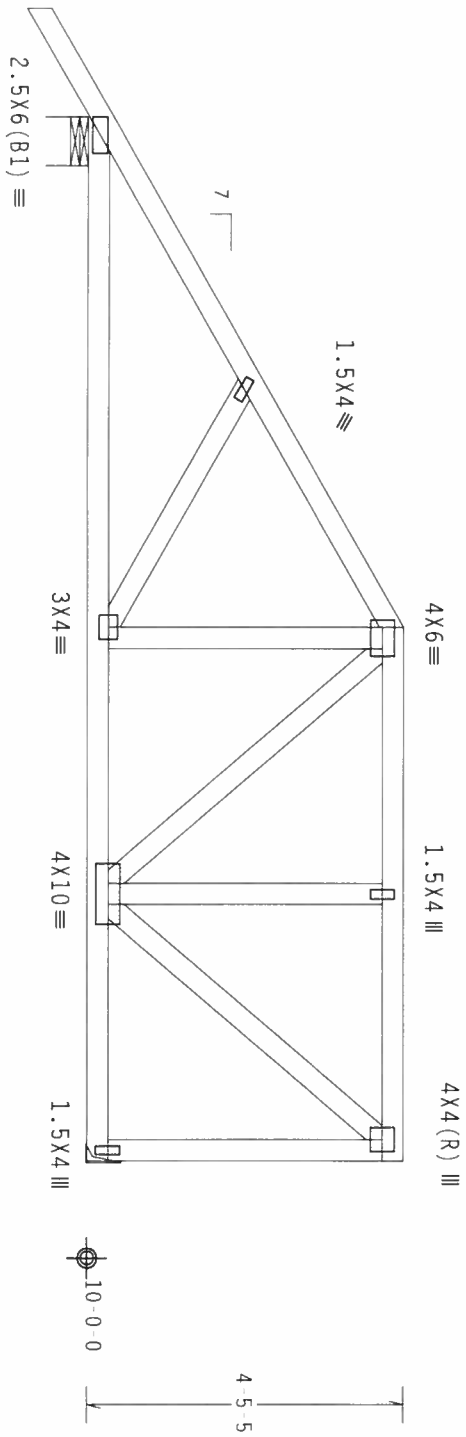
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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.

Right end vertical not exposed to wind pressure.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002 (STD) / FBC

PLT TYP. Wave

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

7.24.1230

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

Scale = .375" / Ft.

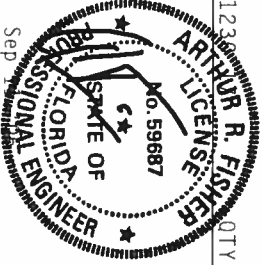
****WARNING**** BRUSSES REQUIRE EXISTING GABLE END FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 589 DUNDRIE DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** 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 SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AISC (ADDITIONAL DESIGN SPEC. BY AISC), AISC 360, AISC 360M, AISC 360S, AISC 360T, AISC 360U, AISC 360V, AISC 360W, AISC 360X, AISC 360Y, AISC 360Z, AISC 360AA, AISC 360AB, AISC 360AC, AISC 360AD, AISC 360AE, AISC 360AF, AISC 360AG, AISC 360AH, AISC 360AI, AISC 360AJ, AISC 360AK, AISC 360AL, AISC 360AM, AISC 360AN, AISC 360AO, AISC 360AP, AISC 360AQ, AISC 360AR, AISC 360AS, AISC 360AT, AISC 360AU, AISC 360AV, AISC 360AW, AISC 360AX, AISC 360AY, AISC 360AZ, AISC 360BA, AISC 360BB, AISC 360BC, AISC 360BD, AISC 360BE, AISC 360BF, AISC 360BG, AISC 360BH, AISC 360BI, AISC 360BJ, AISC 360BK, AISC 360BL, AISC 360BM, AISC 360BN, AISC 360BO, AISC 360BP, AISC 360BQ, AISC 360BR, AISC 360BS, AISC 360BT, AISC 360BU, AISC 360BV, AISC 360BW, AISC 360BX, AISC 360BY, AISC 360BZ, AISC 360CA, AISC 360CB, AISC 360CC, AISC 360CD, AISC 360CE, AISC 360CF, AISC 360CG, AISC 360CH, AISC 360CI, AISC 360CJ, AISC 360CK, AISC 360CL, AISC 360CM, AISC 360CN, AISC 360CO, AISC 360CP, AISC 360CQ, AISC 360CR, AISC 360CS, AISC 360CT, AISC 360CU, AISC 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360ZE, AISC 360ZF, AISC 360ZG, AISC 360ZH, AISC 360ZI, AISC 360ZJ, AISC 360ZK, AISC 360ZL, AISC 360ZM, AISC 360ZN, AISC 360ZO, AISC 360ZP, AISC 360ZQ, AISC 360ZR, AISC 360ZS, AISC 360ZT, AISC 360ZU, AISC 360ZV, AISC 360ZW, AISC 360ZX, AISC 360ZY, AISC 360ZZ.

ALPINE

Alpine Engineered Products, Inc.

Fl. Certificate of Authorization # 567

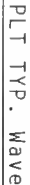


TC LL	20.0 PSF	REF R487 - 61431
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUSR487 06254020
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 14313
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1T0J487_202

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.

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.



7.24.1235

QTY: 1

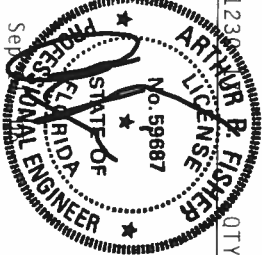
FL/-/4/-/-/R/-

Scale = .375"/Ft.

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

Alpine Engineered Products, Inc.

Haines City, FL 33844
FL Certificate of Authorization # 567



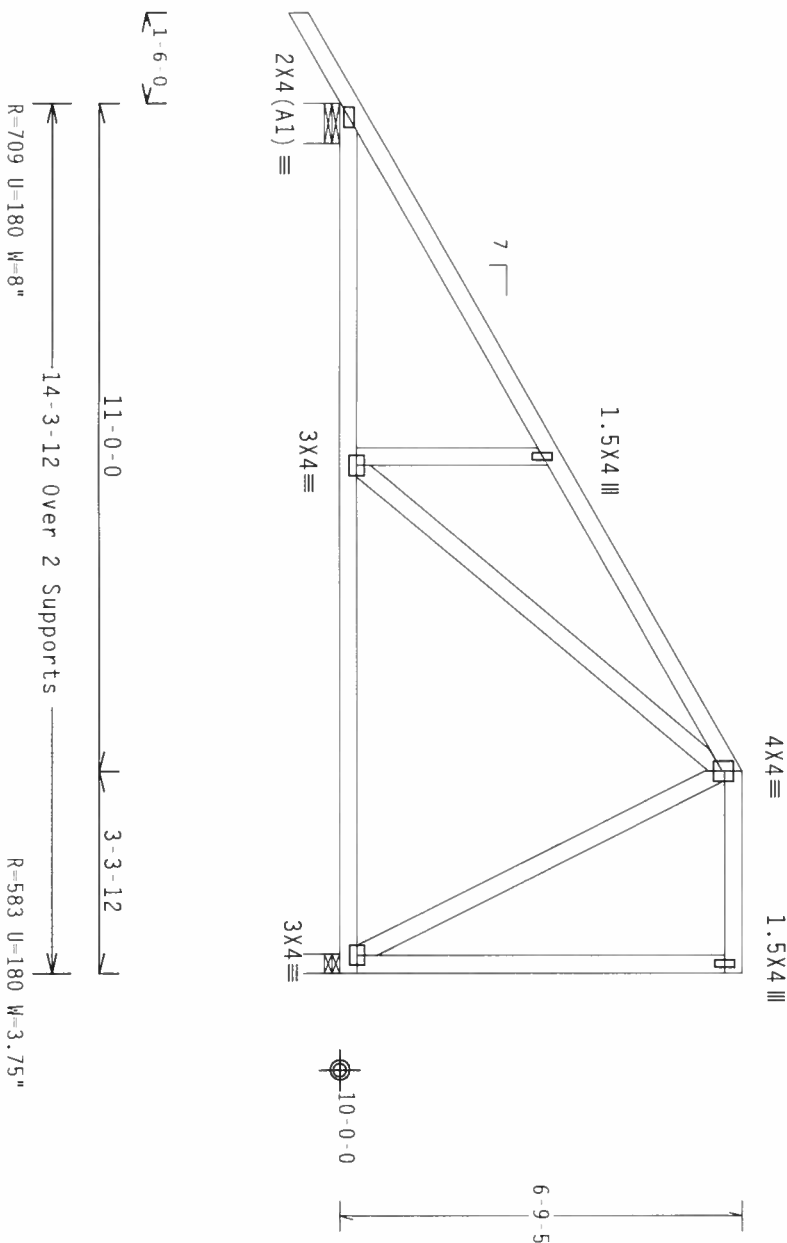
TC LL	20.0 PSF	REF	R487 - 61432
TC DL	10.0 PSF	DATE	09/11/06
BC DL	10.0 PSF	DRW	HCUSR487 06254021
BC LL	0.0 PSF	HC-ENG	TCE/AF *
TOT.LD.	40.0 PSF	SEQN-	14171
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T0J487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



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

Scale = .3125"/Ft.

12
ARTHUR R. FISHER
LICENSE
No. 59687
QT

FL/-4/-/R/-	Scale = .3125"/ft.
TC LL 20.0 PSF	REF R487 - 61433
TC DL 10.0 PSF	DATE 09/11/06
BC DL 10.0 PSF	DRW HCUSR487 06254022

Professional Engineer Seal for Arthur R. Fisher, State of Florida, License No. 59987, Exp. 12-22-2017.

SPACING	24.0"	JREF - 1T0J487 202
---------	-------	--------------------

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

Wind reactions based on MWFRS pressures.

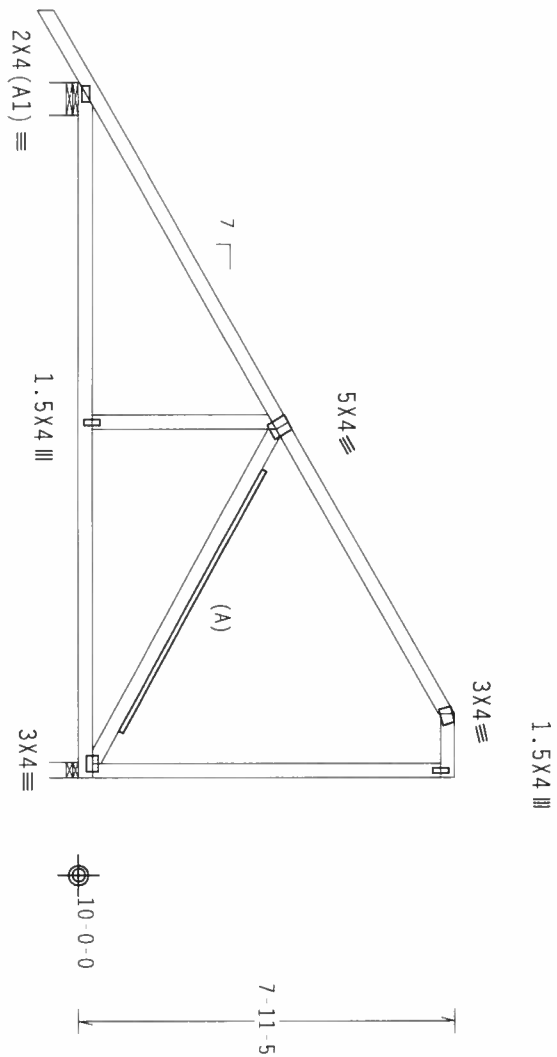
(A) 1x4 SP #3 or better "T" brace, 80% length of web member.
Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

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



13'-0-0"
1'-3-12"
14'-3-12 Over 2 Supports
R=709 U=180 W=8"
R=583 U=180 W=3.75"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

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

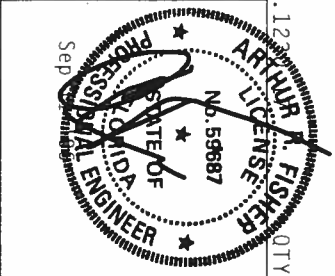
Scale = .25"/ft.

ALPINE

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

****WARNING**** TRUSSES REQUIRE EXISTING CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&I 1-01 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 561 D'ONOFIO DR., SUITE 200, MADISON, WI 53719), AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE IN. MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, FOR 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 CONTRACTORS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI: ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. POSITION PER DRAWING 1004.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF	R487-- 61434
TC DL	10.0 PSF	DATE	09/11/06
BC DL	10.0 PSF	DRW	HCUSR487 06254023
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	14169
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T0J487_202

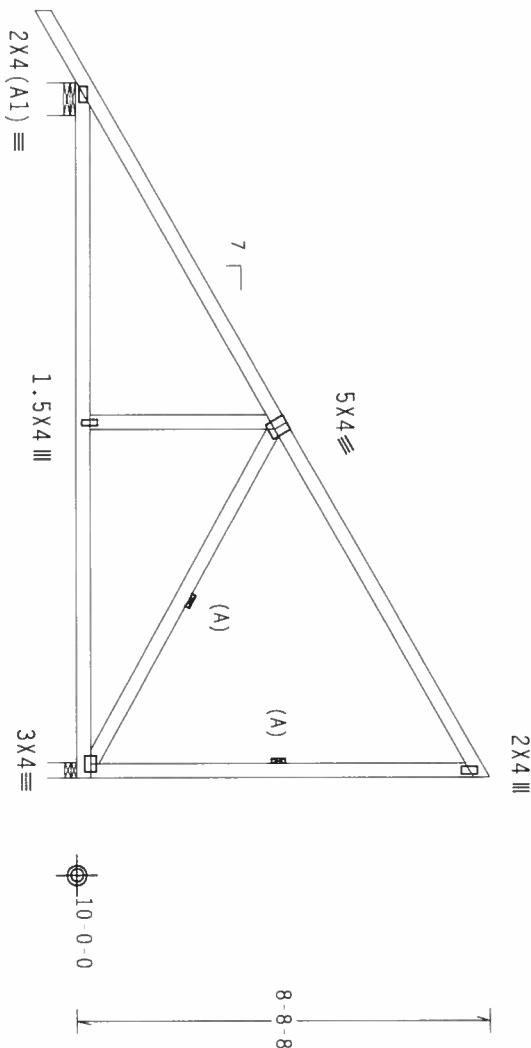
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

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.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



0-6-11

14-3-12 Over 2 Supports $R=709$ U=180 W=8" $R=583$ U=180 W=3.75"

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

7.24.12

QTY:1

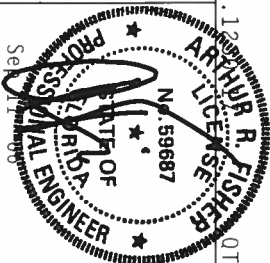
FL/-/4/-/-/R/-

Scale = .25"/Ft.

WARNING: FRAMES REQUIRE EXPERT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRAGING. REFER TO RES-103 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 564 DUNDON RD., SUITE 200, MADISON, WI 53719, FOR A SAFE GOOD TRUSS CONNECTION. AMERICA, 6100 ENTERPRISE LN, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO REPAIRING TRUSS JOINTS. UNLESS OTHERWISE INDICATED, FOR CHORD SHAFTS HAVE PREPARED ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LIGID CILLING.

Alpine Engineered Products, Inc.

Haines City, FL 33844
 FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF R487-- 61435
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUR487 06254024
BC LL	0.0 PSF	HC-ENG TCE/AF *
TOT.LD.	40.0 PSF	SEON- 14168
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1T0J487_202

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.

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.



8-3-12 Over 2 Supports —————
R=465 U=180 W=8" R=328 U=180 W=3.75"

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

$$Cq/RT=1.00(1.25)/10(0)$$
[illegible]

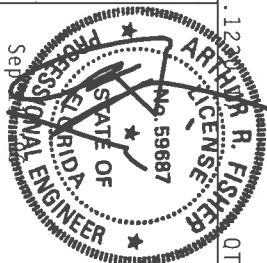
QTY:1 FL/-/4/-/-/R/-

Scale = .375"/Ft.

WARNING - ALL PARTIES RESPONSIBLE FOR CARE IN FABRICATION, INSTALLATION, SHIPPING, INSTALLING AND BRACING REFER TO SPEC 1.03 (BUILDING EXISTING SAFETY INFORMATION), CONSULTED BY FPI (CROSS HATCH INSTITUTE, 503 DUNDAS RD. E., SUITE 200, MONTREAL, QC H3V 1P9) AND VICA (WOOD JOISTS COUNCIL OF AMERICA, 6200 ENTERPRISE BLVD, MONTGOMERY, AL 36117) 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 GRID CEILING.

Alpine Engineered Products, Inc.

FL Certificate of Authorization # 567



FL/-4/-/-R/-		Scale = .375"/ft.
TC LL	20.0 PSF	REF R487 - 61436
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCURSR487 06254025
BC LL	0.0 PSF	HC-ENG TCE/AF *
TOT.LD.	40.0 PSF	SEQN- 14167
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T0J487_Z02

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.

Right end vertical not exposed to wind pressure.

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

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

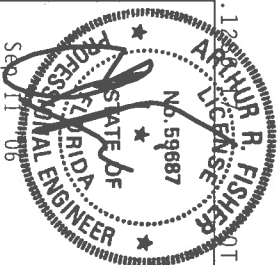


Scale = .3125"/Ft.

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

Alpine Engineered Products, Inc.

FL Certificate of Authorization # 567
Haines City, FL 33844
1500 Military Drive



FL/-4/-/-/R/-		Scale = .3125"/Ft.
TC LL	20.0 PSF	REF R487 - 61437
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUR487 06254026
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEON- 14196
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1T0J487_Z02

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

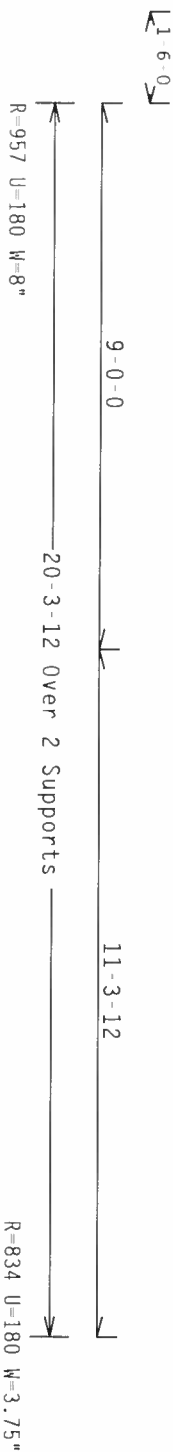
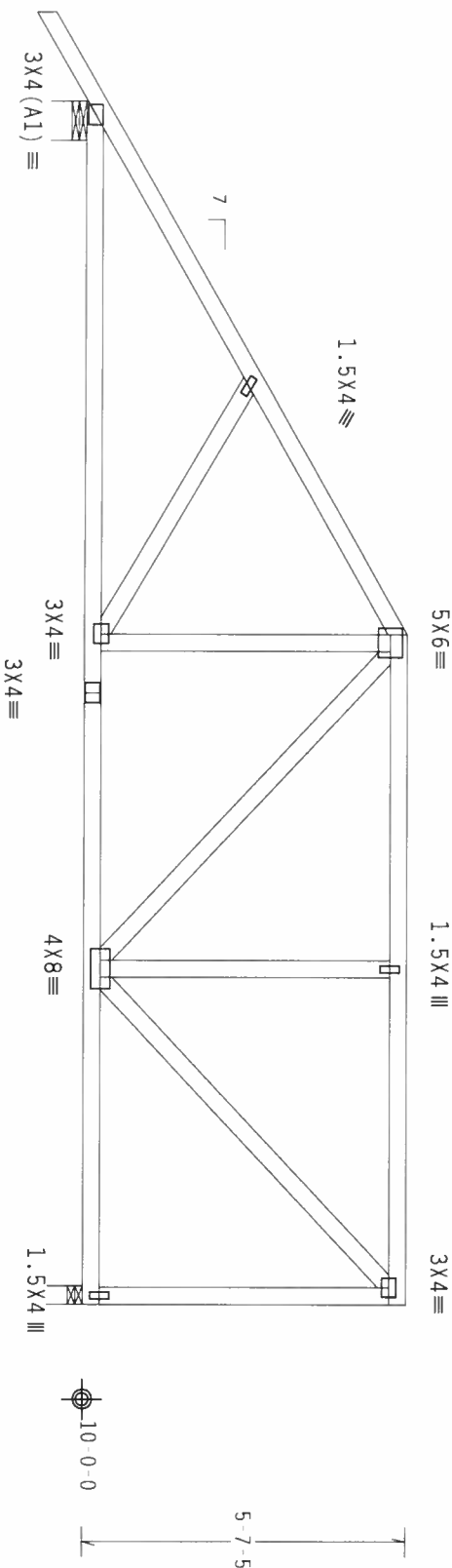
Wind reactions based on MWFRS pressures.

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, 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.

Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC

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

7.24, 12.23

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

Scale = .3125" / Ft.

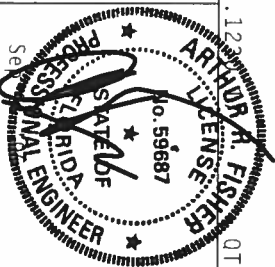
ALPINE

Alpine Engineered Products, Inc.

Haines City, FL 33844
FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 D. OROFIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI'S DESIGN, HANDLING, SHIPPING, INSTALLING AND BRACING INSTRUCTIONS, OR ANY FAILURE TO FOLLOW THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NATIONAL DESIGN SPEC. BY AIA/ASCE AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERMITTED AS OF TPI-2002 SEC. 3.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER AIA/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R487 - 61438
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUR8487 06254027
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT. LD.	40.0 PSF	SEQN- 14175
DUR. FAC.	1.25	
SPACING	24.0"	JREF - 1T0J487_202

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 TC₀=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.



7.24.12

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

Scale = .3125"/Ft.

№. 59687

STATE OF
VER



REGIONAL ENCLAVE

Sep 11 06

Alpine Engineered Products, Inc.

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

REF	R487 - 61439
DATE	09/11/06
DRW	HCUSR487 06254028
HC-ENG	TCE/AF
SEQN-	14174
JREF-	1T0J487_Z02

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

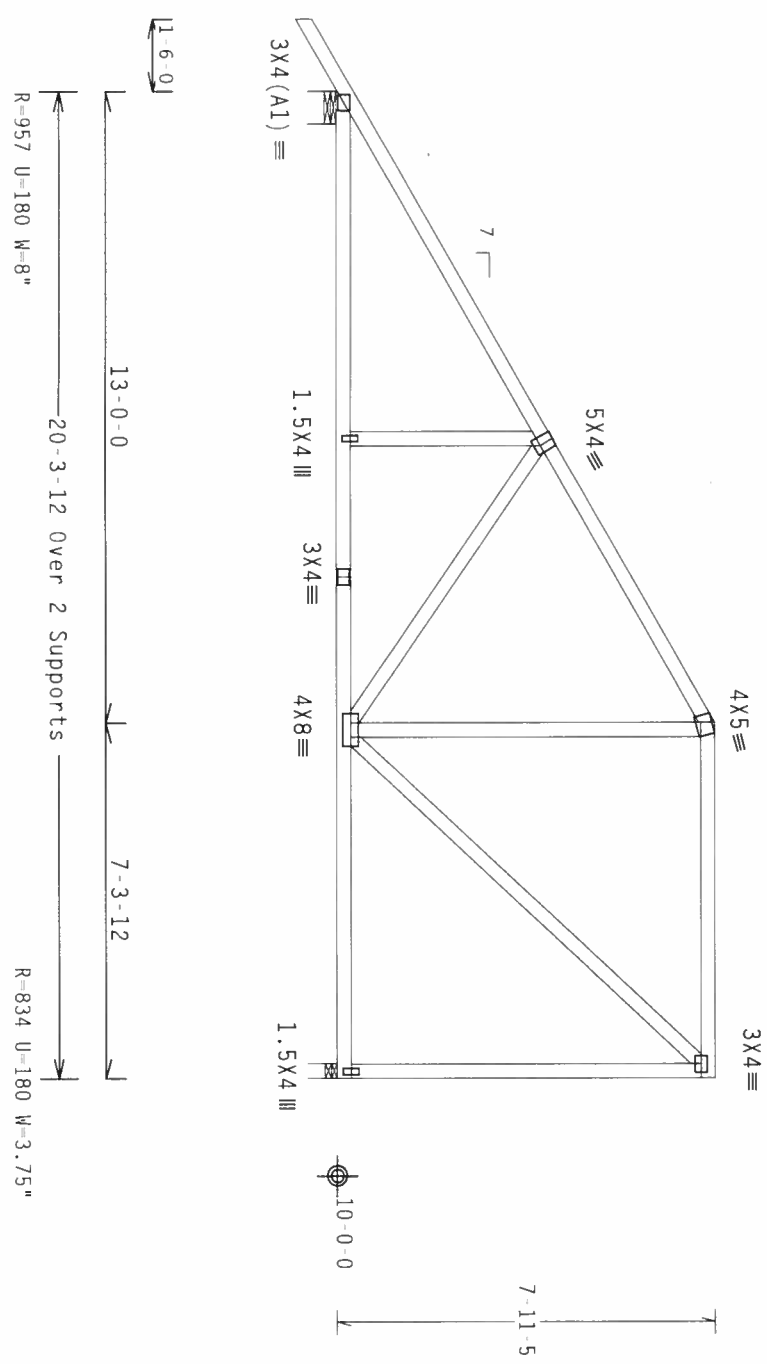
Wind reactions based on MMFRS pressures.

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, 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.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

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

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

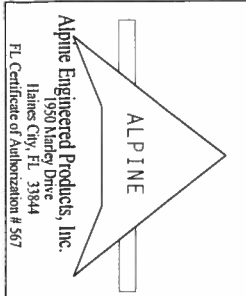
Scale = .25"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. PROTECT ALL SURFACES FROM DAMAGE. DO NOT ALLOW TRUSSES TO BE EXPOSED TO MOISTURE, RAIN, OR SOLAR RADIATION. MAINTAIN A DRY, VENTILATED SPACE BETWEEN TRUSSES. MAINTAIN A DRY, VENTILATED SPACE BETWEEN TRUSSES. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

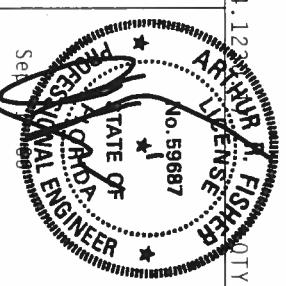
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIAA 4853 GRADE 40/60 (BY AIAA) AND TPI: ALPINE

CONTRACTOR PLATES ARE MADE OF 20/18/16GA (W/S/RT) ASH AREA GRADE 40/60 (BY AIAA) AND TPI: ALPINE

ANY INSPECTION OF PLATES FOLLOWED BY (A) SHALL BE PERFORMED AS OF TPI 2002 SEC 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1990 Hanley Drive
James City, FL 33844
FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 61440
TC DL	10.0 PSF	DATE	09/11/06
BC DL	10.0 PSF	DRW	HCUSR487 06254029
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEON	14173
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T0J487_202

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.

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

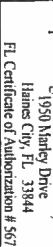
In lieu of structural panels or rigid ceiling use purllins to brace TC @ 24" OC, BC @ 24" OC.



7.24.12

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

Scale = .25" / Ft.



Alpine Engineered Products, Inc.

FL Certificate of Authorization # 567

ALPINE ENGINEERED
FAILURE TO BUILD THE
RACING OF TRUSSES.

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF

REF	R487 - - 61441
DATE	09/11/06
DRM	HCUSR487 062540300
HC-ENG	TCE/AF

DUR.FAC.	1.25
SPACING	24.0"

JREF - 1T0J487_202

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
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.

End verticals not exposed to wind pressure.

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

Truss must be installed as shown with top chord up.

SPECIAL LOADS

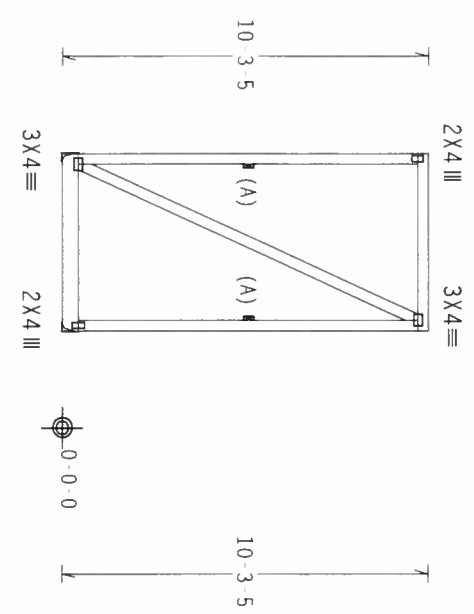
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 4.88
BC - From 20 PLF at 0.00 to 20 PLF at 4.88
BC - 246 LB Conc. load at 0.94, 2.94

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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



4-10-8 Over 2 Supports
R=491 U=180
R=390 U=180

PLT TYP. Wave

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

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

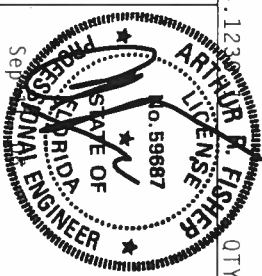
Scale = .1875"/Ft.

ALPINE

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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 584 O'DONOHUE DR., SUITE 200, MADISON, WI 53719, AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: PROVISIONS OF WOOD (NATIONAL DESIGN SPEC. BY AIA/AS) AND TPI: ALPINE (NATIONAL DESIGN SPEC. BY AIA/AS) SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: PROVISIONS OF WOOD (NATIONAL DESIGN SPEC. BY AIA/AS) AND TPI: ALPINE (NATIONAL DESIGN SPEC. BY AIA/AS) SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: PROVISIONS OF WOOD (NATIONAL DESIGN SPEC. BY AIA/AS) AND TPI: ALPINE (NATIONAL DESIGN SPEC. BY AIA/AS) SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.



TC LL	20.0 PSF	REF R487 - 61442
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUSR487 06254011
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 14240
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T0J487_202

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.

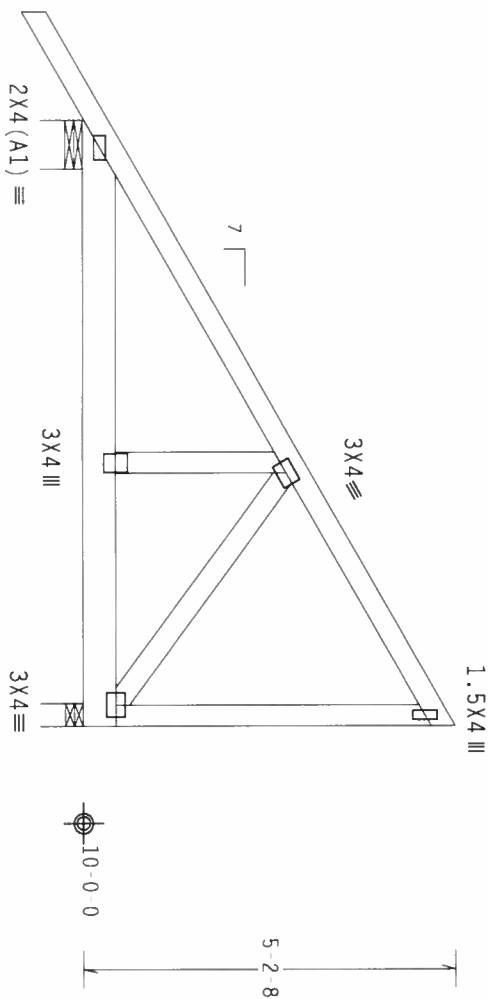
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

TC	From	63 PLF at 1.50 to	63 PLF at 8.31	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
BC	From	5 PLF at 1.50 to	5 PLF at 0.00	
BC	From	20 PLF at 0.00 to	20 PLF at 8.31	
BC	137 LB Conc. Load at	7.06		

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



1-6-0

R=668 U=180 W=8"

R=1452 U=180 W=3.75"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.12 QTY: 1

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

Scale = .375" / Ft.

WARNING: THESE REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES-1.03 (BUILDING COMPONENT SAFETY INFORMATION), INCLUDED BY TPI (TRUSS PLATING INSTITUTE), 563 O'CONNOR RD., SUITE 200, MASON, MI 48159, AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.), 500 N. MICHIGAN, MI 48101, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANTS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LIFTING RING.

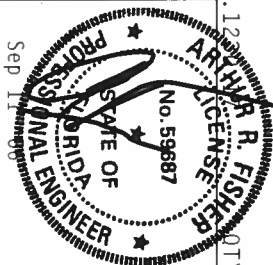
**** IMPORTANT ****
FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

ALPINE

Alpine Engineered Products, Inc.

1750 Marney Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

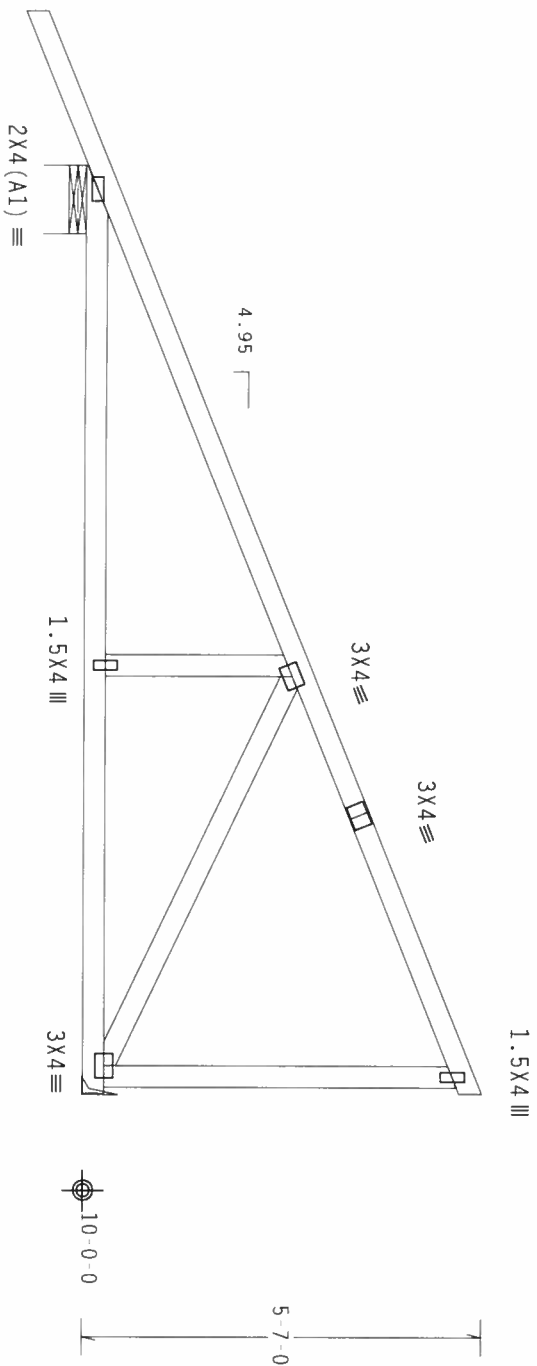


FL/-4/-/-/R/-		Scale = .375"/Ft.
TC LL	20.0 PSF	REF R487-- 61443
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUR487 06254031
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEON- 14319
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T0J487_Z02

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.

Right end vertical not exposed to wind pressure.

Hipjack supports 9-0-0 setback jacks. Jacks up to 7' have no webs. Longer jacks supported to Bc.



$R = 669$ U = 180 W = 11.314"
 12-8-12 Over 2 Supports
 $R = 1065$ U = 180

Design Crit: TPI-2002(STD)/FBC

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

7.24.12

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

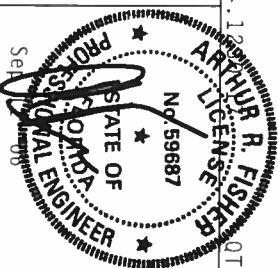
Scale = .375"/Ft.

WARNING: THESE PROCESSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 582 D'ORNO RD., SUITE 200, MADISON, WI 53719, AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.), 6500 CENTERBLVD., MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARTS, AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CILLING.

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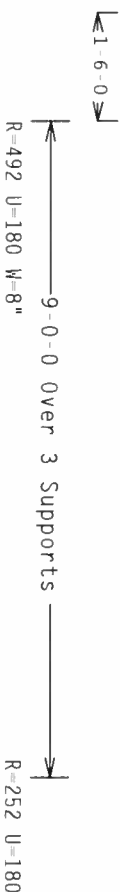
FL/-/4/-/-/R/-	Scale = .375"/Ft.
TC LL 20.0 PSF	REF R487-- 61444
TC DL 10.0 PSF	DATE 09/11/06
BC DL 10.0 PSF	DRW HCUSR487 06254014
BC LL 0.0 PSF	HC-ENG TCE/AF
TOT.LD. 40.0 PSF	SEQN- 14344
DUR.FAC. 1.25	
SPACING SEE ABOVE	JREF- 1T01487_Z02

Wind reactions based on MIFRS 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.

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

Provide (2) 0.16x3.5" 16d Common toe-nails at Top Chord. Provide (2) 0.16x3.5" 16d Common toe-nails at Bottom Chord.



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

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

7.24.123 QTY:1

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

Scale = .375"/Ft.

WARNING: THESE PRODUCTS EXIST ONLY IN FABRICATION. HANDLING, SHIPPING, UNLOADING, UNPACKING, INSTALLING AND BRACING REFER TO DECS 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CRANES PLANT INSTITUTE, 5400 O'ROURO RD., SUITE 200, MADISON, WI 53719, AND AISC (A000) PRESS COMMITTEE OF AMERICA, 6500 ENTERPRISE, IN. MADISON, WI 53719, FOR SAFETY PRACTICES APPLICABLE TO REPAIRING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARTS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD CEILING.

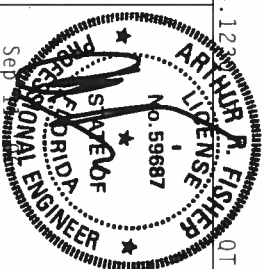
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING

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

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

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2



TC LL	20.0 PSF	REF	R487 - 61445
TC DL	10.0 PSF	DATE	09/11/06
BC DL	10.0 PSF	DRW	H05R487 06254015
BC LL	0.0 PSF	HC-ENG	TCE/AF *
TOT.LD.	40.0 PSF	SEQN-	14205
DUR.FAC.	1.25		
SPACING	24.0"	JREF	- 1T0J487_202

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 purllins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

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

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

7.24.123

QTY: 1

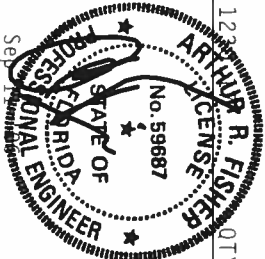
FL/-/4/-/-/R/-

Scale = .375" / Ft.

WARNING: 1) DO NOT REMOVE EXISTING CABLE IN FABRICATION. HANDLING, SHIPING, INSTALLING AND DRACING REFER TO DESIG-103 (BUILDING COMPONENT SAFETY INFORMATION), HANDLED BY TPI (FIBER PAPER INSTITUTE, 563 D-001010 RD., SULLY, MO. 63179) AND AICA (GOOD PAPER COUNCIL OF AMERICA, 6300 ENTERPRISE IN. DR., MO. 63179) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. 2) UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

Alpine Engineered Products, Inc.

11aines City, FL 33844
FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 61446
TC DL	10.0 PSF	DATE	09/11/06
BC DL	10.0 PSF	DRW	HCUSR487 06254032
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	14213
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JREF-	1T0J487_202

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

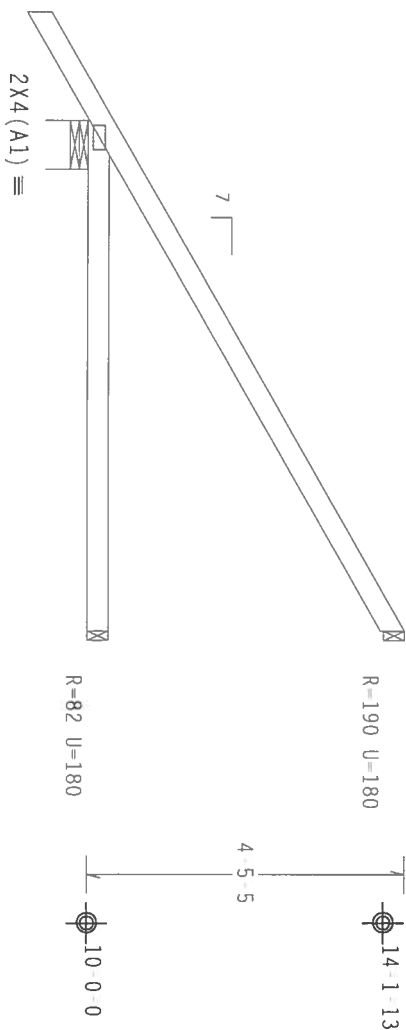
Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 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 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



≤ 1 6 0 ≥

7'-0'-0 Over 3 Supports
R-412 U-180 W-8"

PLT TYP. Wave

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

7.24.12

QTY: 1

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

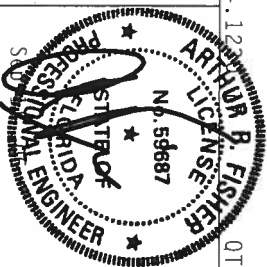
Scale = .375"/Ft.

ALPINE

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

****WARNING**** TRUSSES REQUIRE EXTERIOR CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: PROVIDE PROPER ANCHORAGE DESIGN SPEC. BY ALPINE AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2010/1600 AND 1010/1600. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1601.2 ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: PROVIDE PROPER ANCHORAGE DESIGN SPEC. BY ALPINE AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2010/1600 AND 1010/1600. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1601.2 ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0 PSF	REF R487 - 61447
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUSR487 06254033
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 14158
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T0J487_202

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

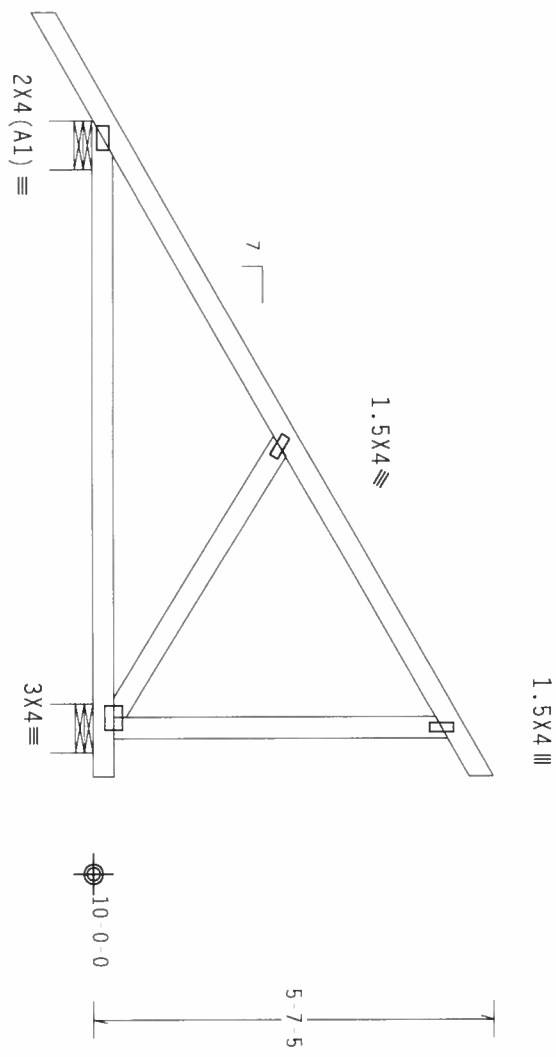
Wind reactions based on MWFRS pressures.

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, 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.

Deflection meets L/240 live and L/180 total load. Creep increase
factor for dead load is 1.50.



1-6-0

9'-0'-0 Over 2 Supports
R=470 U=180 W=8"

0-4-0

R=380 U=180 W=8"

PLT TYP. Wave

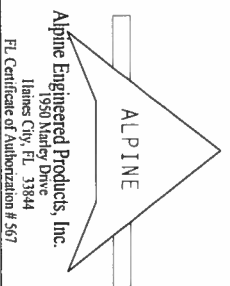
Design Crit: TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10.0)

7.24.12

QTY:1

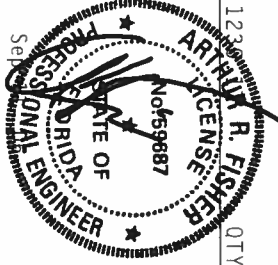
FL/-/4/-/R/-

Scale = .375"/ft.



****WARNING**** TRUSSES REQUIRE EXISTING CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO NCST 1 FOR BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY THE TRUSS PLATE INSTITUTE, 589 DOWDRIE DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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



TC LL	20.0 PSF	REF R487-- 61449
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUR487 06254035
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEON- 14325
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T0J487_202

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

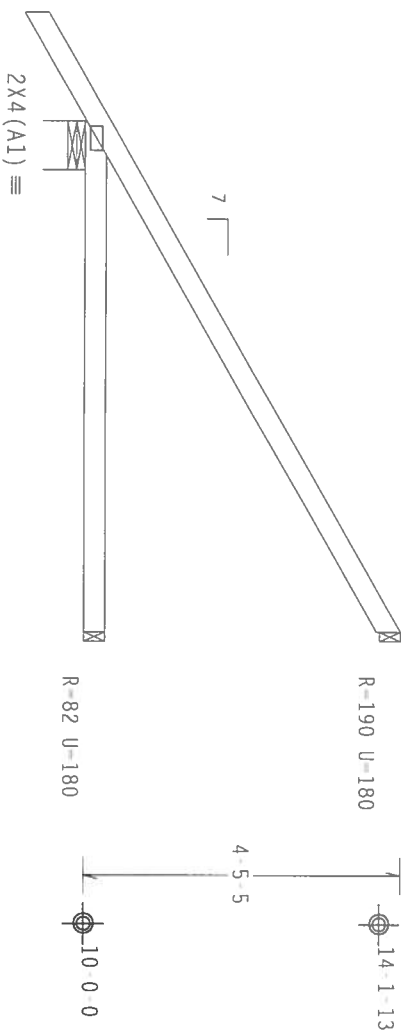
Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 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 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



≤ 1 6 0

7'-0" over 3 supports
R-412 U-180 W-8"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.12

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

Scale = .375"/Ft.

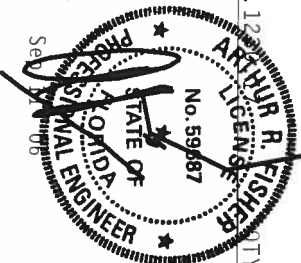
****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESISTANCE TO BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (THUSS PLATE INSTITUTE, 563 DOWNEY DR., SUITE 200, MADISON, WI 53719) AND WICK (WOOD THUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL THUSSES 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 THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF THUSSES IN CONFORMANCE WITH TPI. RESISTANCE TO BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (THUSS PLATE INSTITUTE, 563 DOWNEY DR., SUITE 200, MADISON, WI 53719) AND WICK (WOOD THUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL THUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ALPINE

Alpine Engineered Products, Inc.

Haines City, FL 33844
FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF R487-- 61450
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUR487 06254036
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 14188
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T0J487_Z02

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

Wind reactions based on MIFRS pressures.

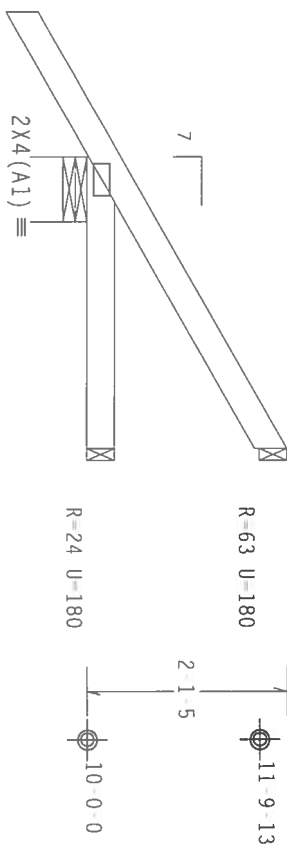
Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY KRUS M.R.

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.

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.



0-6-1

3-0-0 Over 3 Supports
R-265 U-180 W=8"

PLT TYP. Wave

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

7.24.123 HSR/H. F/S QTY:1

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

Scale = .5" / ft.

ALPINE

Alpine Engineered Products, Inc.
1050 Madison Drive

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

****WARNING**** Joints require extreme care in fabrication, handling, shipping, installing and bracing. Refer to DCS 1-3a (Guiding Engineering Safety Information), published by IPT (Ingersoll Rand Institute, 5830 D-0000 Rd #1, Suite 200, Madison, WI 53719) and AISC (AISC Direct, 6500 Entrepreneur, Littleton, CO 80120, WI 53719) for safety practices prior to reworking these functions. Unless otherwise indicated for chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling.

****IMPORTANT**** Install a copy of this design to the installation contractor.

ALPHE ENGINEERD

ALPINE ENGINEERED

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

20/18/16GA (W.N/5/K) ASTM A653 GRADE 40/60 (W. K/H.S) GALV. STEEL.
UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION RIB DEAILINGS
16GA 2

OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT

STATE OF
N. 59687
ARTHUR H. FISHER
LICENSE
07

TC LL	20.0 PSF	REF R487 - 61452
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUR487 06254038
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEON 14177
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1T0J487_Z02

REF R487 -- 61452

DATE 09/11/06

DRW HCUSR487 06254038

HC-ENG TCE/AF

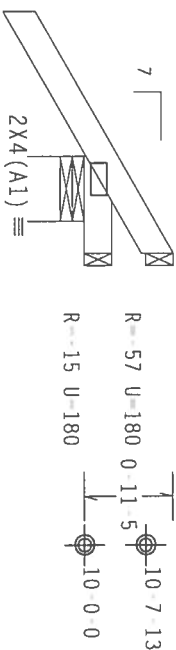
SEQU - 14111

JREF - 1T0J487_Z02

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

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@ 24" OC, BC @ 24" OC.



1-6-0

1-0-0 Over 3 Supports

R-257 U-180 W-8"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.123

QTY:1

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

Scale = .5"/Ft.

WARNING: THESE REQUIRE EXPLICIT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO RC31.1.03 (BUILDING COMPREHENSIVE SAFETY INFORMATION), CONSULTED BY TPI (TROSS PATE INSTITUTE, 503 D'ORRADO RD., SUITE 200, HANSDEN, WI 53119) AND APCA (WOOD JOINTS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, HANSDEN, WI 53119) FOR SAFETY PRACTICES PRIOR TO RETEERING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PLATES AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD CUTTING.

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


TRUSS IN CONFORMANCE WITH IPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (H,H/S/K) ASTM A653 GRADE 40/60 (H, K/H,S) GALV STEEL. APPLY

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP11 2002 SEC.3. A SEAL ON THIS

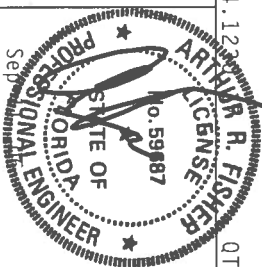
DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DRAWING INDICATE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE PROFESSIONAL ENGINEER.

BUILDING DESIGNER P.L.R. ANSI/1P1 1 SEC. 2.



ALPINE

Haines City, FL 33844
 FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 61453
TC DL	10.0 PSF	DATE	09/11/06
BC DL	10.0 PSF	DRW	HCUSR487 06254039
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEON-	14176
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T0J487_Z02

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

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

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

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



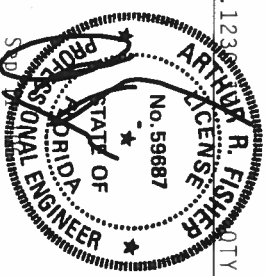
R=272 UR=180 W=3805 W=5.5"
.75" R=121 U=180 W=3.75"

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

7.24.123

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

Scale = .25"/Ft.



TC LL	20.0 PSF	REF R487-- 61454
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUR487 06254040
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 14159
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1T0J487_202

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 8, 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.

brace TC @ 24" OC, BC @ 24" OC.

brace TC @ 24" OC, BC @ 24" OC.



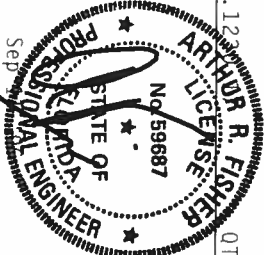
"
R=341 U=180 W=3.5"
R=335 U=180 W=3.5"
R=345 U=180 W=3.5"
R=237 U=180 W=3.5"
R=239 U=180 W=3.5"
R=371 U=180 W=3.5"
R=115 U=180 W=3.75"

Design Crit: $TPI-2002(STD)/FBC$

TP1-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

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

Scale = .25" / Ft.



****IMPORTANT*** (1) furnish a copy of this section to the installation contractor. (2) apply engineered products, inc. shall not be responsible for any deviation from this design. (3) failure to build the floors in accordance with the type: (a) fabricating, handling, shipping, installing & bracing of trusses. (b) design conditions with applicable provisions of mts (national design spec. by aiaa) and tpi. (c) apply connector plates are made of 2018/1604 (ph/s) acm 4653 grade 40/60 (w, k/s) galv. steel. (d) apply any inspection of plates followed by the manufacturer shall be done in accordance with the design and design conditions. (e) acceptance of professional engineering responsibility solely on the responsibility of the design shown. (f) 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-- 61456
TC DL	10.0 PSF	DATE	09/11/06
BC DL	10.0 PSF	DRW	HCUSR487 06254042
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	14161
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T0J487_202

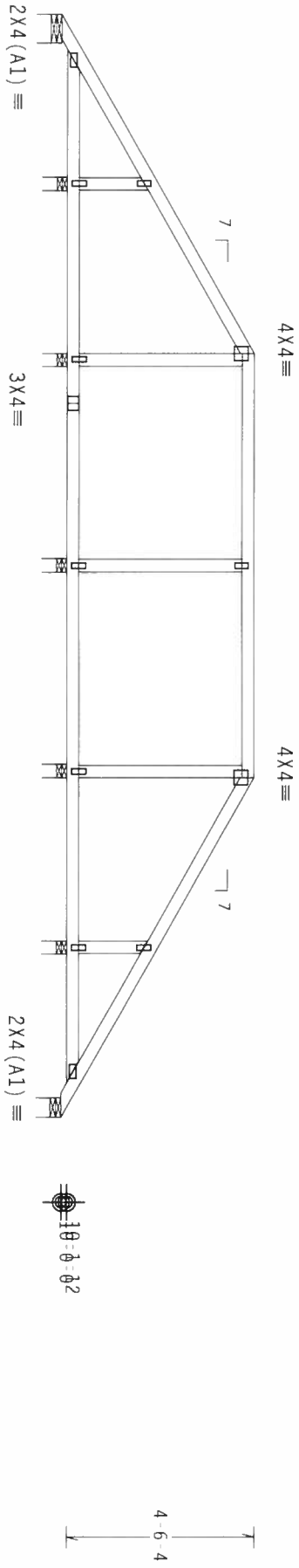
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC. UNLESS OTHERWISE SPECIFIED.

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



26-0-0 over 7 Supports
R-102 U=180 W=8" R=401 U=180 W=3.75" R=398 U=180 W=3.75" R=97 U=180 W=5.5"
R=333 U=180 W=3.75" R=443 U=180 W=3.75" R=339 U=180 W=3.75"

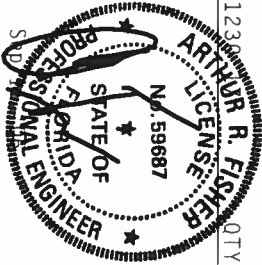
Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

QTY: 1 FL/-/4/-/-/R/- Scale = .25"/ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1.03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 504 O'DONOGHUE DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ALPINE

Alpine Engineered Products, Inc.
1550 Halsey Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF R487 - - 61457
TC DL	10.0 PSF	DATE 09/11/06
BC DL	10.0 PSF	DRW HCUSR487 06254043
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT.LD.	40.0 PSF	SEQN- 14160
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T0J487_202

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

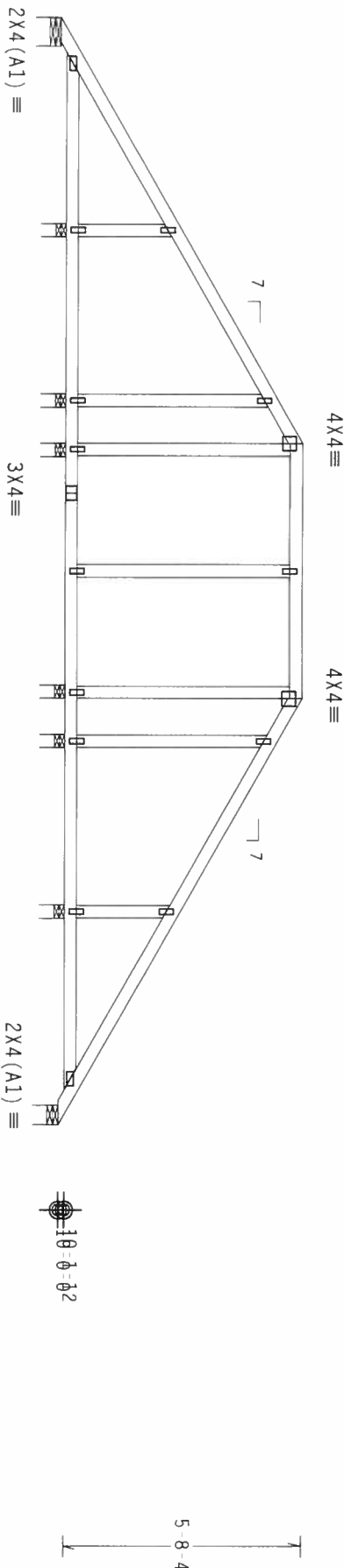
Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

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.

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



26'-0" over 8 supports
R-94 U=180 W=8" R-397 U=180 W=3.75" R-488 U=180 W=3.75" R-73 U=180 W=3.75" R-90 U=180 W=5.5"
R-77 U=180 W=3.75" R-491 U=180 W=3.75" R-403 U=180 W=3.75"

Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

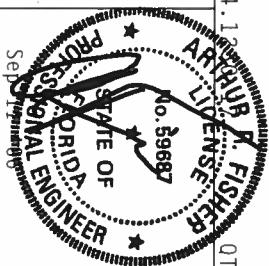
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

7.24.12

Scale = .25"/ft.

WARNING TRUSSES REQUIRE EXTERIOR GALT IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6000 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT 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 TO THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.



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

TC LL	20.0 PSF	REF	R487 - 61458
TC DL	10.0 PSF	DATE	09/11/06
BC DL	10.0 PSF	DRW	HCUSR487 06254044
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN	14165
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T0J487_202

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

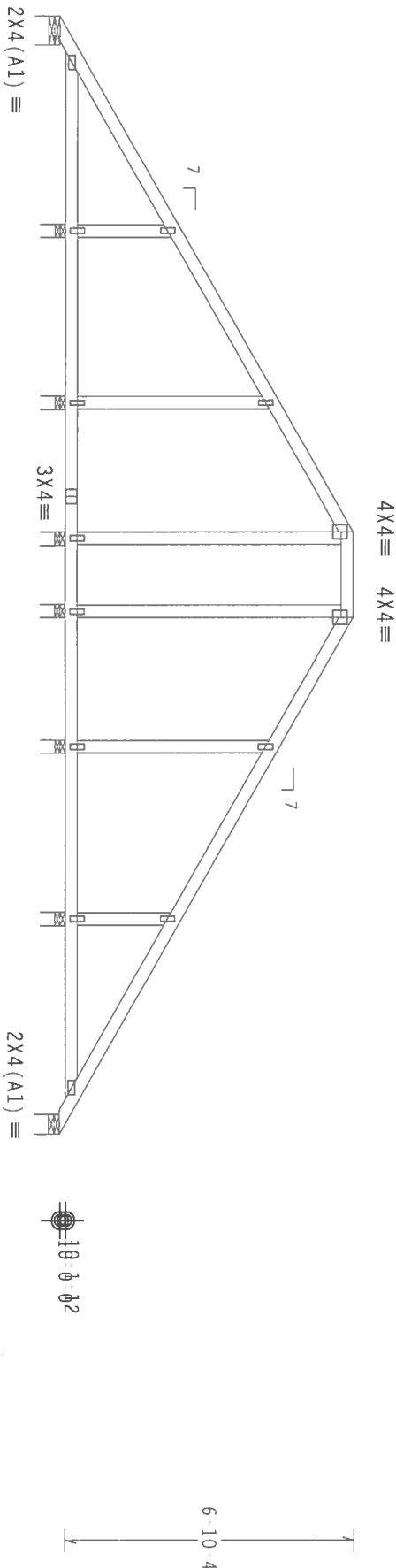
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

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.

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



4-2-1 4-0-0 3-1-14 1-8-4 3-1-14 4-0-0 11-2-1
11-2-1 2-0-0 11-2-1
26-0-0 over 8 Supports
R-93 U=180 W-8" R-390 U=180 W-3.75" R-282 U=180 W-3.75" R-290 U=180 W-3.75" R-89 U=180 W-5.5"
R-292 U=180 W-3.75" R-282 U=180 W-3.75" R-395 U=180 W-3.75"

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)

7.24.12

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

Scale = .25"/ft.

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

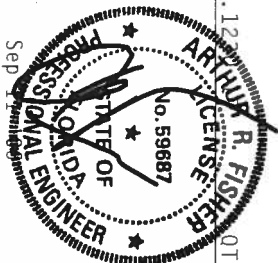
****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: PROVISIONS OR NATIONAL DESIGN SPEC. BY A/E/P/S AND TPI: ALPINE ENGINEERED PRODUCTS, INC. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS.

ALPINE

Alpine Engineered Products, Inc.

1950 Kinney Drive
Haines City, FL 33844

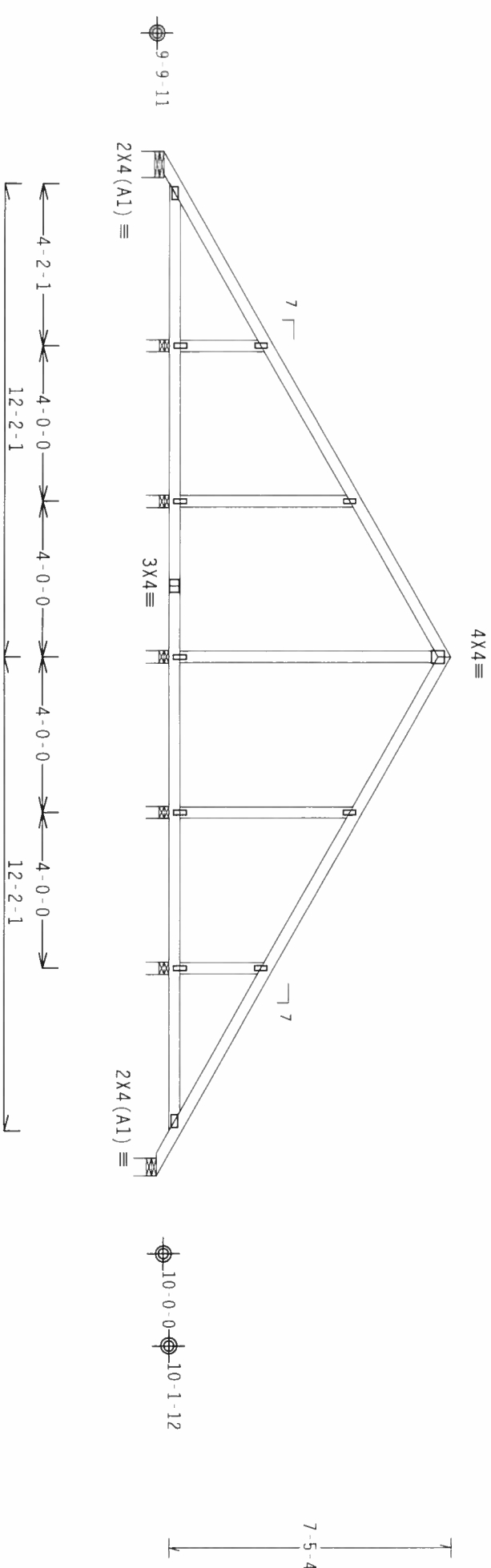
FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 61459
TC DL	10.0 PSF	DATE	09/11/06
BC DL	10.0 PSF	DRW	HCUSR487 06254045
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	14164
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T0J487_202

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

Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

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

7.24.123

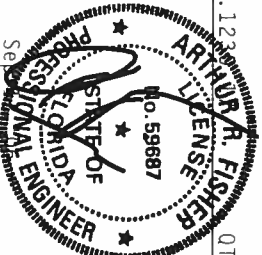
QTY:1 FL/-/4/-/-/R/

Scale = .25"/ft

ALPINE

Alpine Engineered Products, Inc.

FL Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 61460
TC DL	10.0 PSF	DATE	09/11/06
BC DL	10.0 PSF	DRW	HCU8R487 06254047
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	82190 REV
DUR.FAC.	1.25		
SPACING	36.0"	JREF	1T0J487_Z02

110 mph wind, 23.41 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=1.2 psf.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS
----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 95 PLF at 0.00 to 95 PLF at 26.00
BC - From 6 PLF at 0.00 to 6 PLF at 26.00

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.


$$\frac{6}{8} = \frac{3}{4}$$
$$R = -0.57 \quad U = 180 \quad W = 6.946$$

Design Crit: TPI-2002(STD)/FBC

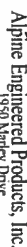
$$Cq/RT=1.00(1.25)/10(0)$$

7.24.12

QTY:1

FL/4/1/1/R/

Scale = .25" / Ft.



FL Certificate of Authorization # 567

WARNING: PRIORS REQUIRE EXPERT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO GC310 (BUILDING COMPREHENSIVE INFORMATION), PUBLISHED BY IPI (FIRMS PLATE INSTITUTE, 563 DOWD RD. NW, SUITE 200, MADISON, WI 53719) AND WCA (WOOD PRESS COUNCIL OF AMERICA, 6700 ENTERPRISE DR, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO REMOVING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARTS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED CHORD CEILING.

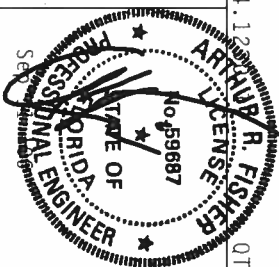
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTOR PLATES ARE MADE OF 20/10/16GA (W,II/S/K) ASTM A653 GRADE 40/60 (H, K/II,S) GALV. STEEL. APPLY

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII-2002 SEC.3. A SEAL ON THIS

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



TC LL	20.0 PSF	REF	R487-- 61461
TC DL	10.0 PSF	DATE	09/11/06
BC DL	10.0 PSF	DRW	HCUSR487 06254048
BC LL	0.0 PSF	HC-ENG	TCE/AF
TOT.LD.	40.0 PSF	SEQN-	82194 REV
DUR.FAC.	1.25		
SPACING	36.0"	JREF-	1T0J487_Z02

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

Wind reactions based on MWFRS pressures.

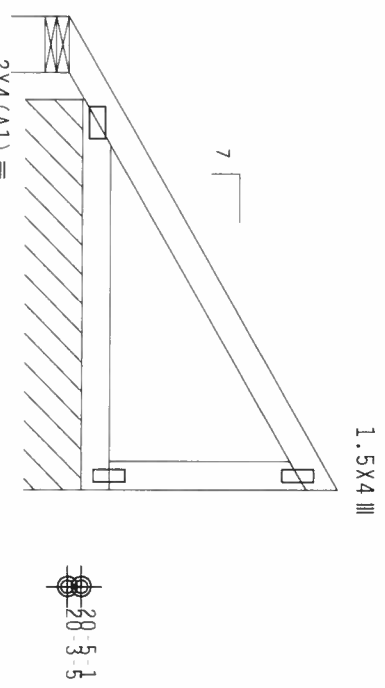
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Refer to DWG PIGBACKA0405 or PIGBACKB0405 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 21.70 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.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



4-10-8 Over 2 Supports
R=74 U=180 W=6.946"
R=95 PLF U=50 PLF W=4-0-2

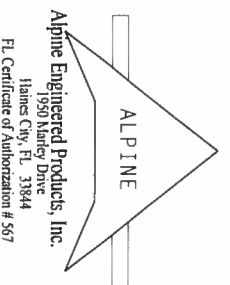
PLT TYP. Wave

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

QTY:1

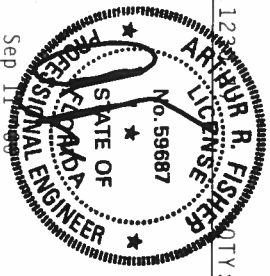
FL/-/4/-/-/R/-

Scale =.5"/Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&I 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D OHORIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6900 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURN IN A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER AND TPI. APPLYING CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (H, K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. DESIGN SHOW. 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 - 61462
TC DL	10.0 PSF	DATE 09/11/06
BC DL	2.0 PSF	DRW HCUR487 06254046
BC LL	0.0 PSF	HC-ENG TCE/AF
TOT. LD.	32.0 PSF	SEQN- 14200
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1T0J487_202

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.

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.

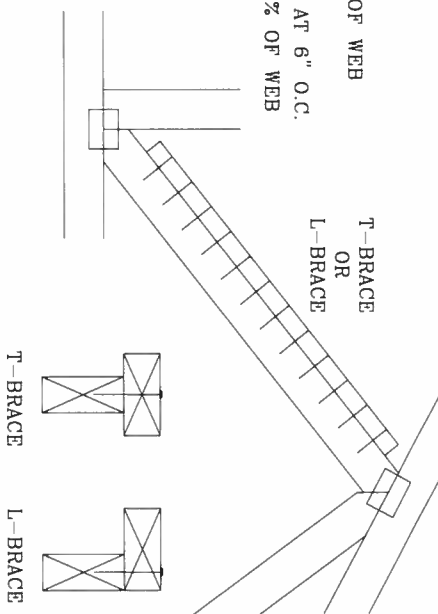
WEB MEMBER SIZE	SPECIFIED CLUB BRACING	ALTERNATIVE T OR L-BRACE	BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

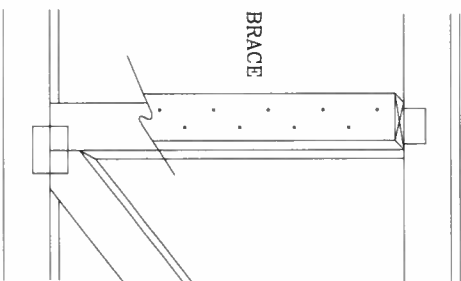
T-BRACING
OR
L-BRACING:

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



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

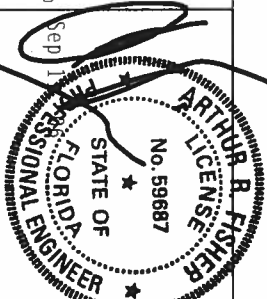


ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

■WARNING■ THESE RESISTOR, EXTREME CARE IN FACTURING, HANDING, SHIPPING, INSTALLING AND
 ■WARNING■ REFER TO ACESI-1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS
 PLATE INSTITUTE, 583 DOWNSIDE DR., SUITE 200, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING
 OF AMERICA, 6200 ENTERPRISE LN, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING
 THESE FUNCTIONS UNLESS OTHERWISE INDICATED. THE CHORD SHALL HAVE A MINIMUM OF TWO RACHED
 STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A MINIMUM ATTACHED RIGID CEILING.

■PRODUCT■ FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR, ALPINE ENGINEERED
 ■PRODUCT■ COMPANY, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO
 BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC.
 BRACING OF TRUSSES. DESIGN CONCORDS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC.
 BY A DESIGN AND TPI. ALL STEEL CONNECTOR PLATES MADE BY 2018/06/04 OR LATER BY A653 GR50
 AT A MINIMUM AND TYPICAL STEEL CONNECTOR PLATES SHALL BE 2018/06/04 OR LATER BY A653 GR50
 BE PER AISC A3 OF TPI-1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF
 PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSSING INDICATES ACCEPTANCE OF THE
 SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING
 DESIGNER. PER AISC/TPI SEC 2



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

BEARING BLOCK NAIL SPACING DETAIL

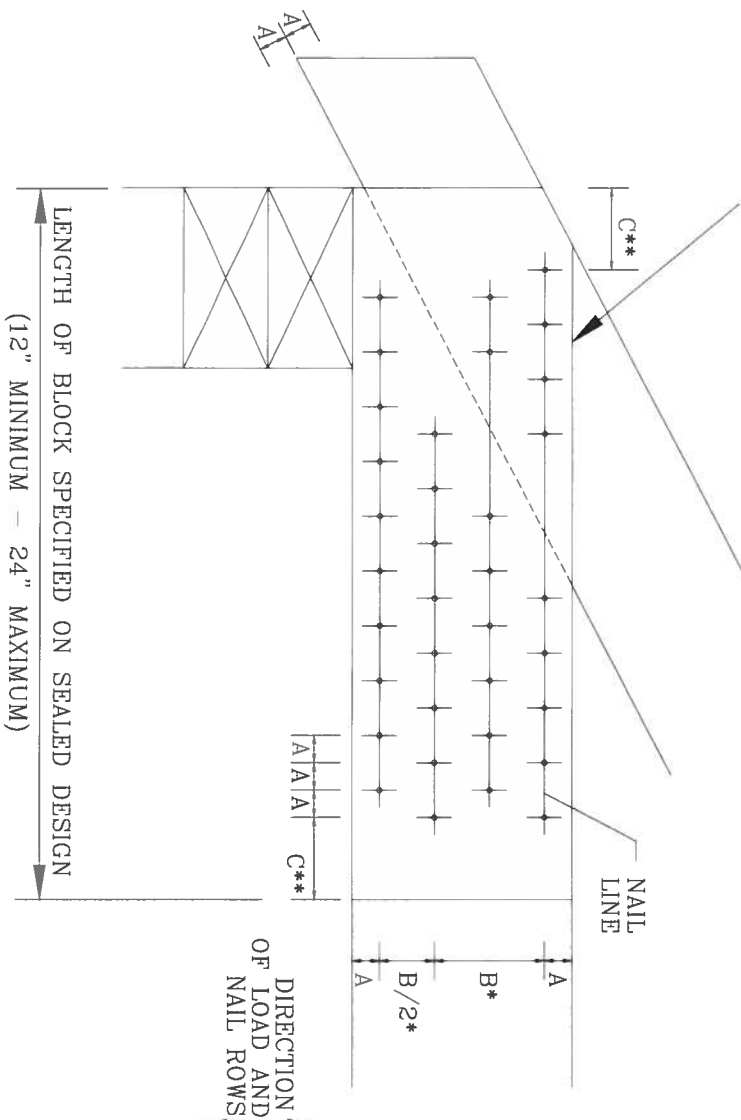
MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

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

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

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

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



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

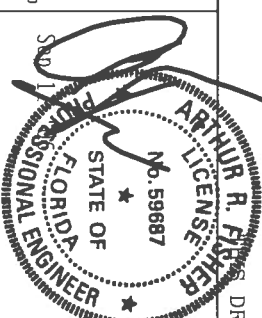
MINIMUM NAIL SPACING DISTANCES

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

DRAWING REPLACES DRAWING B139 AND CNBRBLK0699

ALPINE
ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRBLK1103
-ENG	SJP/KAR

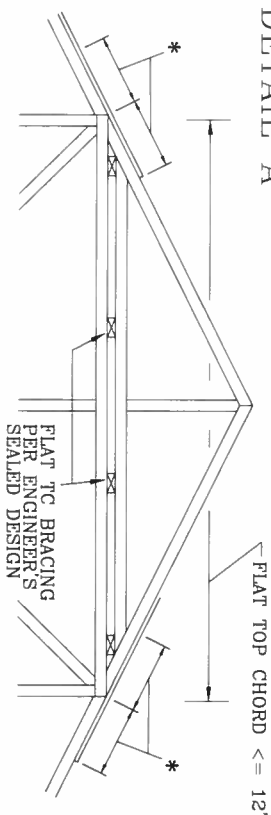
PIGGYBACK DETAIL

100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02, CLOSED BLDG,
LOCATED ANYWHERE IN ROOF, CAT II, EXP C,
WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

80 MPH WIND, 30.00 FT MEAN HGT, SBC,
ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF
WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

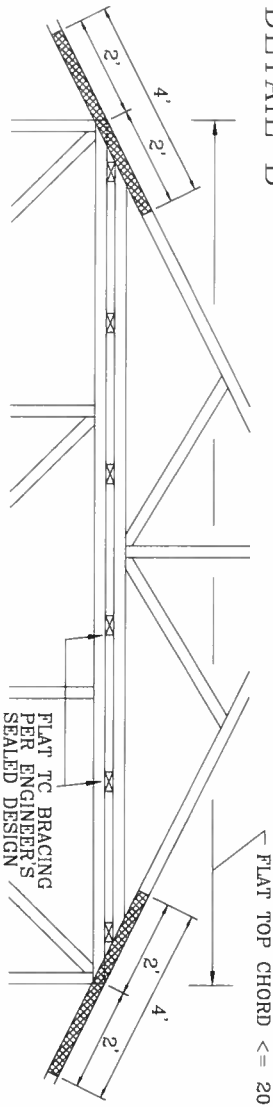
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-98,
CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II,
EXP C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.
NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATLY BRACED BY SHEATHING OR PURLINS. PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

DETAIL A



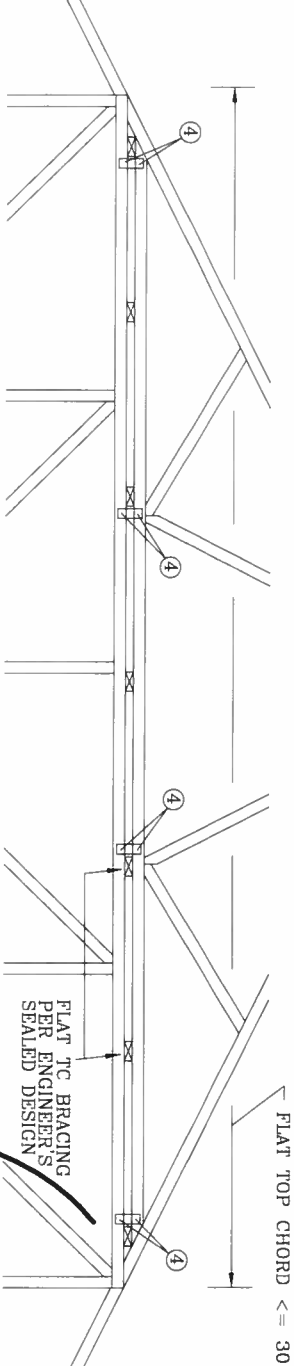
PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD
BRACING WITH (2) 10d COMMON (0.148"x3") NAILS.
* 12" MIN RIGID SHEATHING OVERLAP WITH 8d COMMON (0.131"x2.5")
OR GUN NAILS IN OVERLAP ZONE SPACED AT 4" O.C.

DETAIL B



PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP
CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS AND
SECURED WITH 2x4 #3 GRADE SCAB (1 SIDE ONLY)
ATTACHED WITH 10d COMMON NAILS AT 4" O.C.

DETAIL C



IN LIEU OF TRUFOX CONNECTORS, ALPINE 62PB SPECIAL
PIGGYBACK CONNECTORS MAY BE USED. SHOP APPLY
TOOTHED PORTION, FIELD ATTACH TO MATING TRUSS
WITH (4) 0.120" X 0.375" NAILS MINIMUM EACH FACE.

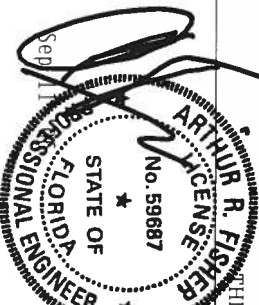
(4) 8d COMMON NAILS (0.131"x2.5")
8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH
FACE) MAY BE USED IN LIEU OF TRUFOX PLATES.
ATTACH WITH (8) 8d COMMON NAILS PER GUSSET.
(4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

THIS DRAWING REPLACES DRAWINGS 581.670 & 961.860

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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PLATE INSTITUTE, 583 DUNDRIE DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL
OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING
THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED
STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.
IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO
BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING &
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BY AIA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (V.H/S/V) ASTM A653 GRADE
40/60 (V.H/S/V) GALV STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED
OR THIS DESIGN, POSITION PER DRAWINGS 1604-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF
PROFESSIONAL ENGINEER, 6006 SEC. 3 A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF
PROFESSIONAL ENGINEER, 6006 SEC. 3 A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF
SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING
DESIGNER, PER ANSI/TPI 1 SEC. 2



TC LL	PSF	REF	PIGGYBACK
TC DL	PSF	DATE	04/14/05
TC DL	PSF	DRWG	PIGGYBACKA0405
TC LL	PSF	-ENG	DLJ/KAR
TOT. LD.	MAX 60 PSF		
DUR. FAC.	1.15		
SPACING	24.0"		

TOP CHORD 2X4 #2 OR BETTER
BOT CHORD 2X4 #2 OR BETTER
WEBS 2X4 #3 OR BETTER

SPACE PIGGYBACK VERTICALS AT 4' OC MAX

PLIGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS

REFER TO ENGINEERS SEALED DESIGN FOR REQUIRED PURLIN SPACING

THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

130 MPH WIND, 30 MEAN HGT, ASCE 7-02, CLOSED BLDG,
LOCATED ANYWHERE IN POOL CAT II EXP C

WIND TC DL=5 PSF, WIND BC DL=5 PSF

110 MPH WIND, 30' MEAN HGT, SBC

WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E,*) PLATES MAY BE OFFSET FROM BACK FACE
PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.



EITHER PLATE
LOCATION IS
ACCEPTABLE

**OPTIONAL
SPLICE**

**OPTIONAL
SPLICE**

MAX SIZE OF 2X12
#2 OR BETTER



*ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE

WARNING: THESE TASKS REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC11-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI CROSS PLATE INSTITUTE, 563 DUNDRI RD., SUITE 200, MADISON, WI 53719, AND WTA (WOOD TRUSS CONCRETE OF AMERICA, 6300 ENTERPRISE, IN MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE TASKS. 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 TP1, OR FABRICATING, HANDLING, SHIPPING, INSTALLING &

BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR TIMBER) AND TPI ALUMINUM CONNECTOR PLATES ARE MADE OF 30410 ALUMINUM ALLOY.

40/60 (W/K/H.S) GALV. STEEL APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED

ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SFAI 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 OTHER APPLICATION ARE NOT GUARANTEED.

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

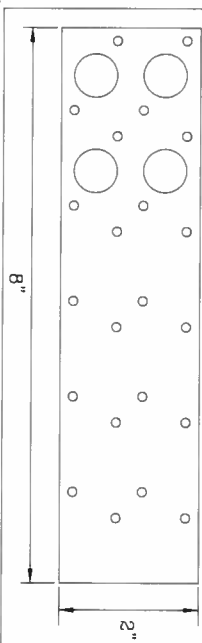
(4) 6d BOX (0.099" X 2." MIN) NAILS.

ATTACH TRULOX PLATES WITH (8) 0.120" X 1.375" NAILS OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "A" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d BOX (0.113X 2.5" MIN) NAILS AT 4" OC.
10' TO 14'	2x4 "A" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135X 3.5" MIN) NAILS AT 4" OC.

*** PIGGYBACK SPECIAL PLATE**

ATTACH 1/2" TO THE PIGBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



MAX LOADING	REF	PIGgyBACK
55 PSF AT	DATE	04/14/05
1.33 DUR. FAC.	DRWG	PIGBACKB0405
50 PSF AT	-ENG	DLJ/KAR
1.25 DUR. FAC.		
47 PSF AT		
1.15 DUR. FAC.		
SPACING		24.0"



Architectural Testing

AAMA/WDMA 101/I.S. 2-97
TEST REPORT

Rendered to:

JORDAN COMPANIES

SERIES/MODEL: 8500
TYPE: PVC Single Hung Window

Title of Test	Results
AAMA/WDMA Rating	H-R40 (44 x 84)
Uniform Load Deflection Test Pressure	± 40.0 psf
Operating Force	10 lbs max.
Air Infiltration	0.21 cfm/ ft^2
Water Resistance Test Pressure	5.00 psf
Uniform Load Structural Test Pressure	± 60.0 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to full report for test specimen description and data.

Report No: 02-48976.02
Report Date: 02-26-04
Expiration Date: 02-25-08

849 Western Avenue North
Saint Paul, Minnesota 55117-5245
phone: 651.896.3835
fax: 652.636.3043
www.archtest.com



AAMA/WDMA 101/I.S.2-97 TEST REPORT

Rendered to:

JORDAN COMPANIES
P.O. Box 18377
Memphis, Tennessee 38118

Report No: 02-48976.02
Test Date: 02/25/04
Report Date: 02/26/04
Expiration Date: 02/25/08

Project Summary: Architectural Testing, Inc. (ATI) was contracted by Jordan Companies to perform tests on a Jordan Companies Series 8500 Single Hung Window. The sample tested successfully met the performance requirements for a H-R40 44 x 84 rating. Test specimen description and results are reported herein.

Test Procedure: The test specimen was evaluated in accordance with AAMA/NWDMA 101/I.S. 2-97, "*Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.*"

Test Specimen Description:

Series/Model: 8500

Type: PVC Single Hung Window

Overall Size: 3' 8" wide by 7' 0" high

Sash Size: 3' 4-3/8" wide by 2' 5" high

Fixed D.L.O. Size: 3' 4-3/4" wide by 4' 5" high

Screen Size: 3' 4-3/4" wide by 2' 4-1/4" high

Finish: All PVC was white

849 Western Avenue North
Saint Paul, Minnesota 55117-5245
phone: 651.838.3835
fax: 652.638.3843
www.architest.com

Test Specimen Description: (Continued)

Glazing Type: The window utilized nominal 3/4" insulating glass comprised of two single-strength annealed sheets in the operating sash and two double-strength sheets in the fixed lite and a desiccant-filled metal spacer system. The glass for the fixed area was set from the interior into a bed of silicone sealant with PVC stops used on the interior. The sash was glazed from the exterior into a bed of silicone sealant with PVC stops used on the exterior.

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.260" high by 0.187" backed pile with center fin	1 Row	Sash top and bottom rails
0.260" high by 0.187" backed pile with center fin	2 Rows	Sash stiles

Frame Construction: Frame corners were miter-cut and welded. Aluminum reinforcement was utilized in the fixed meeting rail (Jordan part number H-2447).

Sash Construction: Sash corners were miter-cut and welded. Aluminum reinforcement was utilized in the top rail (Jordan part number H-2448).

Hardware:

Metal cam locks with keepers	2	6" from ends and meeting rail
Plastic tilt latches	2	Sash top rail corners
Metal tilt pins	2	Sash bottom rail corners
Block-and-tackle balances	2	One per jamb

Drainage:

3/16" by 5/8" slots	2	1-3/4" from ends in sill pocket to hollow below
1/8" by 1/2" slots	4	1-3/4" and 2" from each end through sill exterior face

Installation: The unit was installed into a Grade 2 SPF 2" by 8" wood test buck secured through the flange with 1-5/8" screws spaced 4" from corners and 8" on center. The nail fin was sealed to the buck with silicone.

Test Results: The results are tabulated as follows.

<u>Paragraph</u>	<u>Title of Test</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force		
	Force to initiate motion	10 lbs	30 lbs max.
	Force to keep in motion	8 lbs	30 lbs max.
2.1.2	Air Infiltration per ASTM E 283-97 (See Note #1) @ 1.57 psf (25 mph)	0.21 cfm/ft ²	0.30 cfm/ft ²
<i>Note #1: The tested specimen meets the performance levels specified in AAMA/WDMA 101/I.S.2-97 for air infiltration.</i>			
2.1.3	Water Resistance per ASTM 547-97 (See Note #2)		
2.1.4.1	Uniform Load Deflection per ASTM E 330-97 (See Note #2)		
2.1.4.2	Uniform Load Structural per ASTM E 330-97 (See Note #2)		
<i>Note #2: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance."</i>			
2.2.1.6.2	Deglazing Test per ASTM E 987		
	In operating direction @ 70 lbs		
	Top rail	0.04"/8%	0.500"/100%
	Bottom rail	0.06"/12%	0.500"/100%
	In remaining direction @ 50 lbs		
	Left stile	0.04"/8%	0.500"/100%
	Right stile	0.03"/6%	0.500"/100%
2.1.7	Corner Weld Test	Meets as stated	Meets as stated
2.1.8	Forced Entry Resistance per ASTM F 588-97		
	Type A		
	Grade 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test</u>	<u>Results</u>	<u>Allowed</u>
<u>Optional Performance:</u>			
4.3	Water Resistance per ASTM E 547-97 WTP = 6.00 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330-97 (See Note #3) (Measurements reported were taken on the meeting rail) (Loads were held for 60 seconds)		
	@ 40.0 psf (positive)	0.45"	(See Note #3)
	@ 40.0 psf (negative)	0.52"	(See Note #3)
4.4.2	Uniform Load Structural per ASTM E 330-97 (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 60.0 psf (positive)	0.03"	0.16" max.
	@ 60.0 psf (negative)	0.03"	0.16" max.

Note #3: The Uniform Load Deflection test is not a AAMA/NWDA 101/U.S. 2-97 requirement for this product designation. The data is recorded in this report for information only.

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced except in full without the approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.



Digitally Signed by: Paul L. Spiess

Paul L. Spiess
Project Manager



Digitally Signed by: Daniel A. Johnson

Daniel A. Johnson
Regional Manager

DAJ/jb
02-48976.02



ELK



**PRESTIQUE®
HIGH DEFINITION®**



RAISED PROFILE™

Prestique Plus High Definition and Prestique Gallery Collection™

Product size 13⅝" x 39⅝"
Exposure 5⅞"
Pieces/Bundle 16
Bundles/Square 4/98.5 sq.ft.
Squares/Pallet 11

50-year limited warranty period:
non-prorated coverage for
shingles and application labor for
the initial 5 years, plus an option
for transferability*; prorated
coverage for application labor and
shingles for balance of limited
warranty period; 5-year limited
wind warranty*.

Raised Profile

Product size 13⅝" x 38⅝"
Exposure 5⅞"
Pieces/Bundle 22
Bundles/Square 3/100 sq.ft.
Squares/Pallet 18

30-year limited warranty period:
non-prorated coverage for
shingles and application labor for
the initial 5 years, plus an option
for transferability*; prorated
coverage for application labor and
shingles for balance of limited
warranty period; 5-year limited
wind warranty*.

Prestique I High Definition

Product size 13⅝" x 39⅝"
Exposure 5⅞"
Pieces/Bundle 16
Bundles/Square 4/98.5 sq.ft.
Squares/Pallet 14

40-year limited warranty period:
non-prorated coverage for
shingles and application labor for
the initial 5 years, plus an option
for transferability*; prorated
coverage for application labor and
shingles for balance of limited
warranty period; 5-year limited
wind warranty*.

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/FLX™

Size: 12" x 12"
Exposure: 6⅞"
Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

Prestique High Definition

Product size 13⅝" x 38⅝"
Exposure 5⅞"
Pieces/Bundle 22
Bundles/Square 3/100 sq.ft.
Squares/Pallet 18

30-year limited warranty period:
non-prorated coverage for
shingles and application labor for
the initial 5 years, plus an option
for transferability*; prorated
coverage for application labor and
shingles for balance of limited
warranty period; 5-year limited
wind warranty*.

Elk Starter Strip

52 Bundles/Pallet
18 Pallets/Truck
936 Bundles/Truck
19 Pieces/Bundle
1 Bundle = 120.33 linear feet

Available Colors: Antique Slate, Weatheredwood, Shakeswood, Sablewood, Hickory, Barkwood**, Forest Green, Wedgewood**, Birchwood**, Sandalwood, Gallery Collection: Balsam Forest™, Weathered Sage™, Sienna Sunset™.

All Prestique, Raised Profile and Seal-A-Ridge roofing products contain Elk WindGuard® sealant. WindGuard activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in SteinGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae. Not available in Sablewood.

All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles meet the latest Metro Dade building code requirements.

*See actual limited warranty for conditions and limitations.

**Check for product availability.

SPECIFICATIONS

SCOPE: Work includes furnishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color). Hip and ridge type to be Elk Seal-A-Ridge with formula FLX.

All exposed metal surfaces (flashing, vents, etc.) to be painted with matching Elk roof accessory paint.

PREPARATION OF ROOF DECK: Roof deck to be dry, well-

MATERIALS: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater: apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. For low slopes (4" per foot (101.6/304.8mm) to a minimum of 2" per foot (50.8/304.8mm)), use two plies of underlayment overlapped a minimum of 18". Fasteners shall be of sufficient length and holding power for securing material as required by the application instructions printed on shingle wrapper.

warranties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to meet Elk application requirements. In some areas, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements less than those contained in its application instructions.

(9.525mm) thick conforming to the specifications of the American Plywood Association; 7/16" (11.074mm) oriented strandboard; or chipboard. Most fire retardant plywood decks are NOT approved substrates for Elk shingles. Consult Elk Field Service for application specifications over other decks and other slopes.

(name) with StainGuard treatment, as manufactured by the Elk Tuscaloosa plant. Hip and ridge type to be Seal-A-Ridge with formula FLX with StainGuard treatment.

or e-mail specinfo@elkcorp.com.

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All

**SOUTHEAST &
ATLANTIC OFFICE:**
800.945.5551

CORPORATE HEADQUARTERS:
800.354.7732

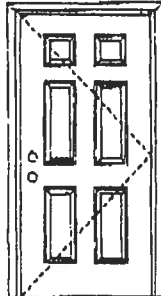
PLANT LOCATION:
800.945.5545

ELK 
www.elkcorp.com
SSOOT 01/02

X

Opaque Inswing Unit

COP-WL - JH4101-02

WOOD-EDGE STEEL DOORS**APPROVED ARRANGEMENT:**

Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure
+66.0/-66.0

Limited water tightness special threshold design is used.

Large Missile Impact Resistance

Hurricane protective system (shutters) is NOT REQUIRED.

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.



Test Data Review Certificate #3026447A and COP/WL Report Validation Matrix #3026447A-001 provides additional information - available from the ITGW website (www.itgwm.com), the Masonite website (www.masonite.com) or the Masonite technical center.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0001-02

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed -- see MID-WL-MA0001-02.

APPROVED DOOR STYLES:

Flush



Arch Top 3-panel



3-panel



6-panel



New England 4-panel



Eyebrow 4-panel



8-panel



9-panel



16-panel



5-panel



5-panel with scroll



Eyebrow 5-panel



Eyebrow 8-panel with scroll

Johnson
EntrySystems

June 17, 2002

Our continuing program of product development allows applications, door and product details subject to change without notice.



Reintroduced from

Masonite
Masonite International Corporation

X
Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested In Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

COMPANY NAME
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L. Baithaz

State of Florida, Professional Engineer
Kurt Baithaz, P.E. - License Number 56533

Masonite Heavy



Test Data Review Certificate #302647A and COP/Inst Report Validation Data #302647A-COI provides additional information - available from the ITSMN website (www.itsmn.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Johnson
EntrySystems

June 17, 2002

Our engineering division of product line development makes specifications, design and product development to ensure without error.



Exclusively from
Masonite

Masonite International Corporation

** LAMAR BOOZER **
 900 EAST PUTNAM STREET
 LAKE CITY, FL 32055

PROJECT: BREWER
 CLIENT: MIKE TODD CONSTRUCTION
 DATE: SEPTEMBER 1, 2006

RESIDENTIAL/LIGHT COMMERCIAL HVAC LOADS

DESIGNER: LAMAR BOOZER

CLIENT INFORMATION:

NAME: MIKE TODD CONSTRUCTION
 ADDRESS: 129 N.E. COLBURN AVENUE
 CITY, STATE: LAKE CITY, FLORIDA 32055

TOTAL BUILDING LOADS

BLDG. LOAD DESCRIPTIONS	AREA QUAN	SEN. LOSS	LAT. + GAIN	SEN. = GAIN	TOTAL GAIN
3-C WINDOW DBL PANE CLR GLS METL FR	294	9,589	0	18,808	18,808
9-I FRENCH DOOR DBL CLR GLS METL FR	84	2,851	0	6,148	6,148
12-E WALL R-11 + ½" EXT POLY BD (R-2.5)	2,409	8,131	0	4,808	4,808
11-C DOOR METAL POLYSTYRENE CORE	57	1,206	0	713	713
16-G CEILING R-30 INSULATION	2,600	4,662	0	4,868	4,868
22-A SLAB ON GRADE NO EDGE INSUL	289	10,535	0	0	0
<hr/>					
SUBTOTALS FOR STRUCTURE:	6,272	36,974	0	35,345	35,345
<hr/>					
PEOPLE	28	0	0	8,400	8,400
APPLIANCES	0	0	1,800	1,500	3,300
DUCTWORK	0	1,849	0	4,525	4,525
INFILTRATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
VENTILATION W.CFM: 0.0 S.CFM: 0.0	0	0	0	0	0
<hr/>					
SENSIBLE GAIN TOTAL				49,770	
TEMP. SWING MULTIPLIER				x 1.00	
<hr/>					
BUILDING LOAD TOTALS		38,823	1,800	49,770	51,570
<hr/>					

SUPPLY CFM AT 20 DEG DT:	2,262	CFM PER SQUARE FOOT:	0.721
SQUARE FT. OF ROOM AREA:	2,972	SQUARE FOOT PER TON:	730.425

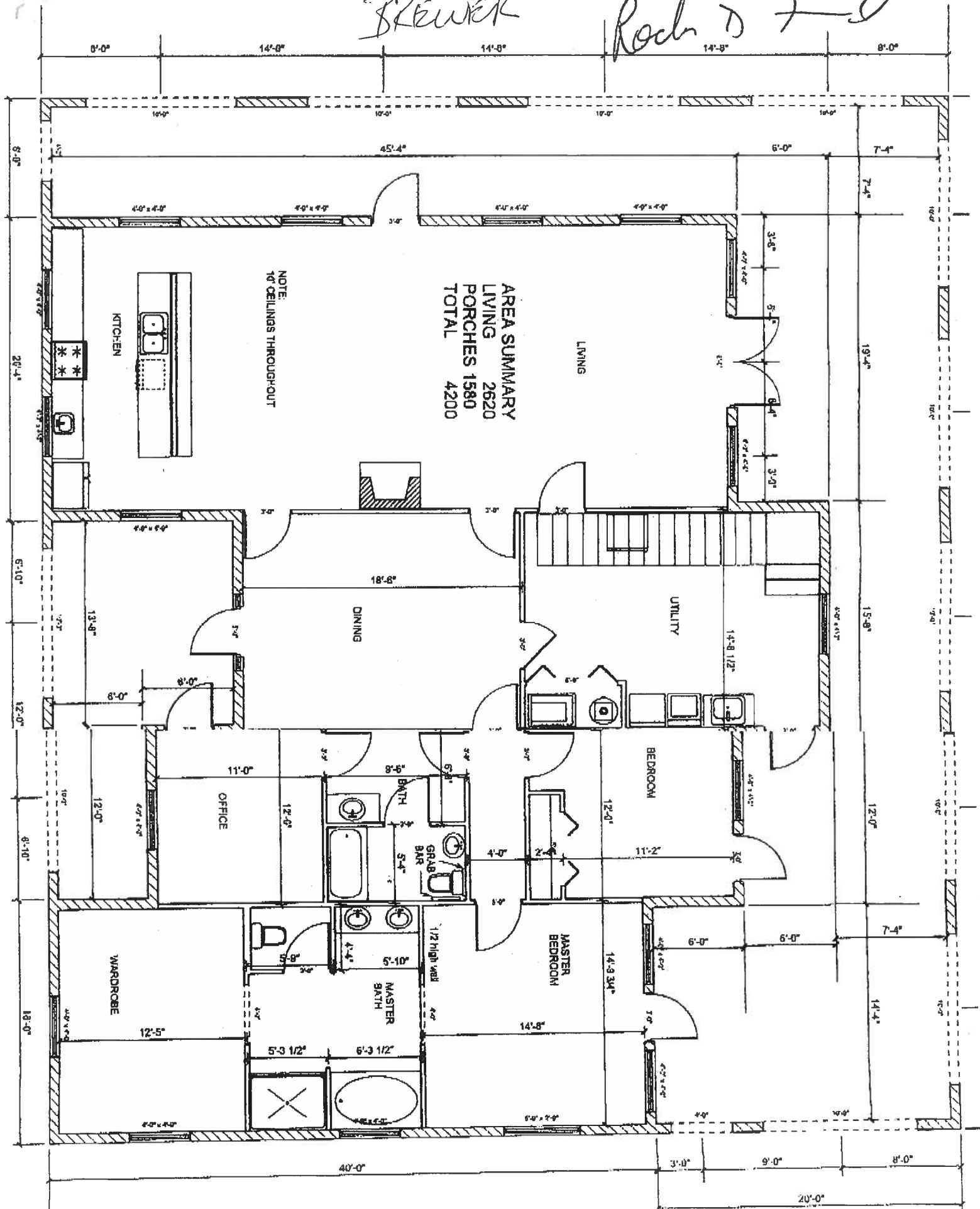
TOTAL HEATING REQUIRED WITH OUTSIDE AIR: 38.823 MBH
 TOTAL COOLING REQUIRED WITH OUTSIDE AIR: 4.298 TONS

CALCULATIONS ARE BASED ON 7TH EDITION OF ACCA MANUAL J.
 ALL COMPUTED RESULTS ARE ESTIMATES AS BUILDING USE AND WEATHER MAY VARY.
 BE SURE TO SELECT A UNIT THAT MEETS BOTH SENSIBLE AND LATENT LOADS.

SEP 12 2006

Brewer

Rock D 7-0



AREA SUMMARY
LIVING 2620
PORCHES 1580
TOTAL 4200

NOTE:
10' CEILINGS THROUGHOUT