

ITW Building Components Group, 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: IT4G487-Z0131082444

New One

Truss Fabricator: Anderson Truss Company
Job Identification: 6-395--Stanley Crawford Construc WILMOTH -- , **
Truss Count: 56
Model Code: Florida Building Code 2004 and 2006 Supplement
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.24, 7.25.
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



Seal Date: 01/31/2007

-Truss Design Engineer-
Arthur R. Fisher

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

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

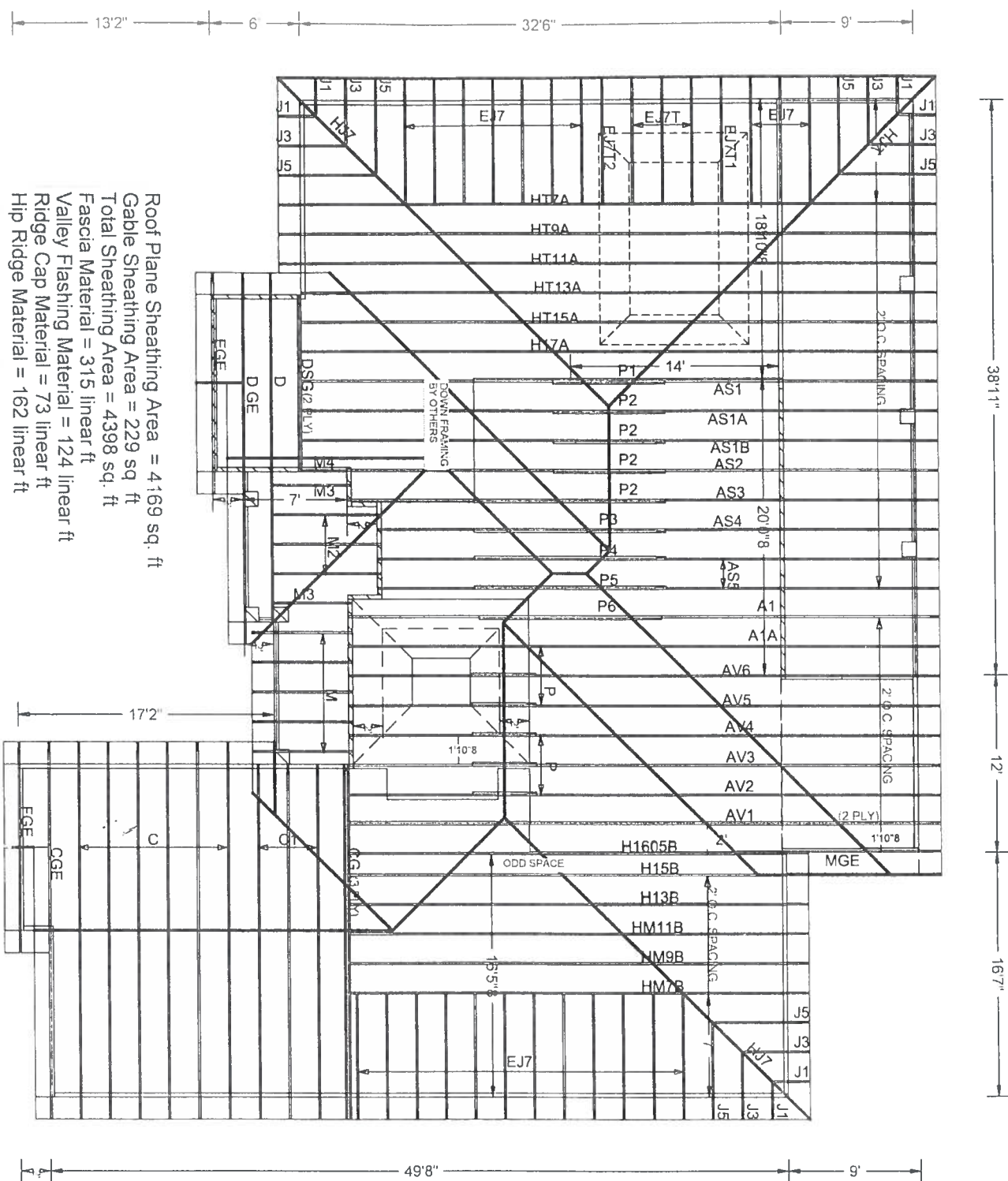
Details: BRCLBSUB-A11015EE-GBLLETIN-MAX DEAD LOAD-

#	Ref	Description	Drawing#	Date
1	93369--	HT15A	07030001	01/30/07
2	93370--	H17A	07030036	01/30/07
3	93371--	AS1	07030002	01/30/07
4	93372--	AS1A	07030003	01/30/07
5	93373--	AS1B	07030004	01/30/07
6	93374--	AS2	07030005	01/30/07
7	93375--	AS3	07030006	01/30/07
8	93376--	AS4	07030007	01/30/07
9	93377--	AS5	07030008	01/30/07
10	93378--	A1	07030009	01/30/07
11	93379--	AV1	07030010	01/30/07
12	93380--	AV2	07030011	01/30/07
13	93381--	AV3	07030012	01/30/07
14	93382--	AV4	07030013	01/30/07
15	93383--	AV5	07030014	01/30/07
16	93384--	AV6	07030015	01/30/07
17	93385--	A1A	07030016	01/30/07
18	93386--	HT7A	07030030	01/30/07
19	93387--	HT9A	07030008	01/30/07
20	93388--	HT11A	07030010	01/30/07
21	93389--	HT13A	07030009	01/30/07
22	93390--	HM7B	07030018	01/30/07
23	93391--	HM9B	07030019	01/30/07
24	93392--	HM11B	07030020	01/30/07
25	93393--	H13B	07030017	01/30/07
26	93394--	H15B	07030018	01/30/07
27	93395--	H1605B	07030019	01/30/07
28	93396--	CGE	07030007	01/30/07
29	93397--	C	07030013	01/30/07
30	93398--	C1	07030017	01/30/07
31	93399--	CG	07030031	01/30/07
32	93400--	DSG	07030032	01/30/07
33	93401--	D GE	07030033	01/30/07
34	93402--	D	07030034	01/30/07
35	93403--	EGE	07030035	01/30/07
36	93404--	FGE	07030001	01/30/07

#	Ref	Description	Drawing#	Date
37	93405--	HJ7	07030002	01/30/07
38	93406--	EJ7	07030006	01/30/07
39	93407--	EJ7T	07030014	01/30/07
40	93408--	EJ7T1	07030012	01/30/07
41	93409--	EJ7T2	07030015	01/30/07
42	93410--	J5	07030003	01/30/07
43	93411--	J3	07030004	01/30/07
44	93412--	J1	07030005	01/30/07
45	93413--	M4	07030011	01/30/07
46	93414--	MGE	07030016	01/30/07
47	93415--	M3	07030020	01/30/07
48	93416--	M2	07030021	01/30/07
49	93417--	M	07030022	01/30/07
50	93418--	P2	07030023	01/30/07
51	93419--	P	07030024	01/30/07
52	93420--	P1	07030025	01/30/07
53	93421--	P3	07030026	01/30/07
54	93422--	P4	07030027	01/30/07
55	93423--	P5	07030028	01/30/07
56	93424--	P6	07030029	01/30/07

25417





Roof Plane Sheathing Area = 4169 sq. ft
Gable Sheathing Area = 229 sq. ft
Total Sheathing Area = 4398 sq. ft
Fascia Material = 315 linear ft
Valley Flashing Material = 124 linear ft
Ridge Cap Material = 73 linear ft
Hip Ridge Material = 162 linear ft

Gable Sheathing Area = 229 sq ft

Total Sheathing Area = 4398 sq. ft

Fascia Material = 315 linear ft

Valley Flashing Material = 124 linear ft

Ridge Cap Material = 73 linear ft

Hip Ridge Material = 162 linear ft

#6-395 STANLEY CRAWFORD CONSTRUCTION - WILMOTH
01/30/07 JFB

01/30/07 JFB

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B6 2x6 SP #1 Dense:
Webs 2x4 SP #3

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

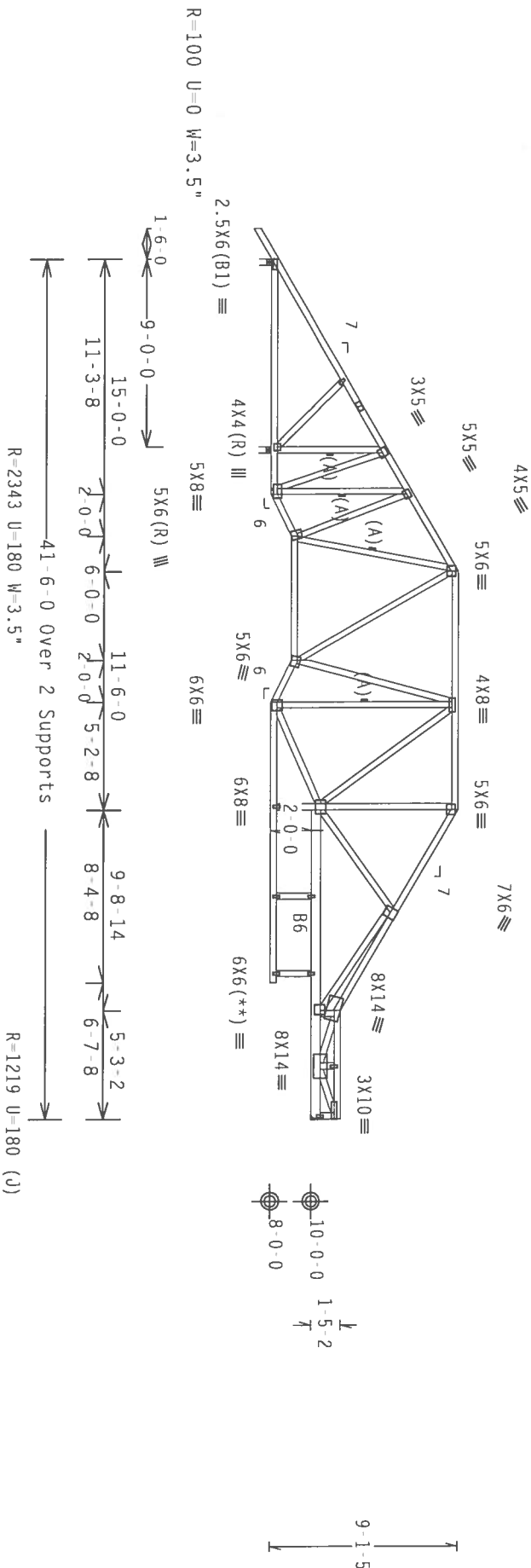
(A) Continuous lateral bracing equally spaced on member.

See detail BCFILLER106 for bottom chord (BC) filler detail.
Laterally brace BC above filler @ 24" o.c. (or as designed)
Including a brace on BC directly above both ends of filler
(if no rigid diaphragm exists at that point).

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

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

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



Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/R1=1.00(1.25)/10(0)

7.24

QTY:1

Scale = .125"/ft.

WARNING TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH THE: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

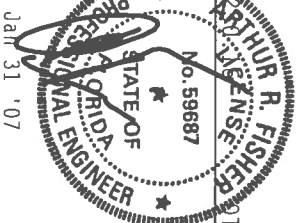
DESIGN CONTRACTORS WITH APPLICABLE PROVISIONS OF THE (NATIONAL DESIGN SPEC. BY AREA) AND TPI. ALPINE BUILDING COMPONENTS GROUP, INC. (ALPINE) SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSSES. ANY DEVIATION FROM THE DESIGN SHALL BE THE RESPONSIBILITY OF THE DESIGNER. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED BY A TPI-2002 SECTION PER DESIGNER'S DRAWING. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

ITW Building Components Group, Inc.

Haines City, FL 33844

Pl Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487-- 93369
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030001
BC LL	0.0 PSF	HC-ENG	MMW/AF
TOT.LD.	40.0 PSF	SEON	149319
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF	174G487_201

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

Wind reactions based on MWFRS pressures.

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

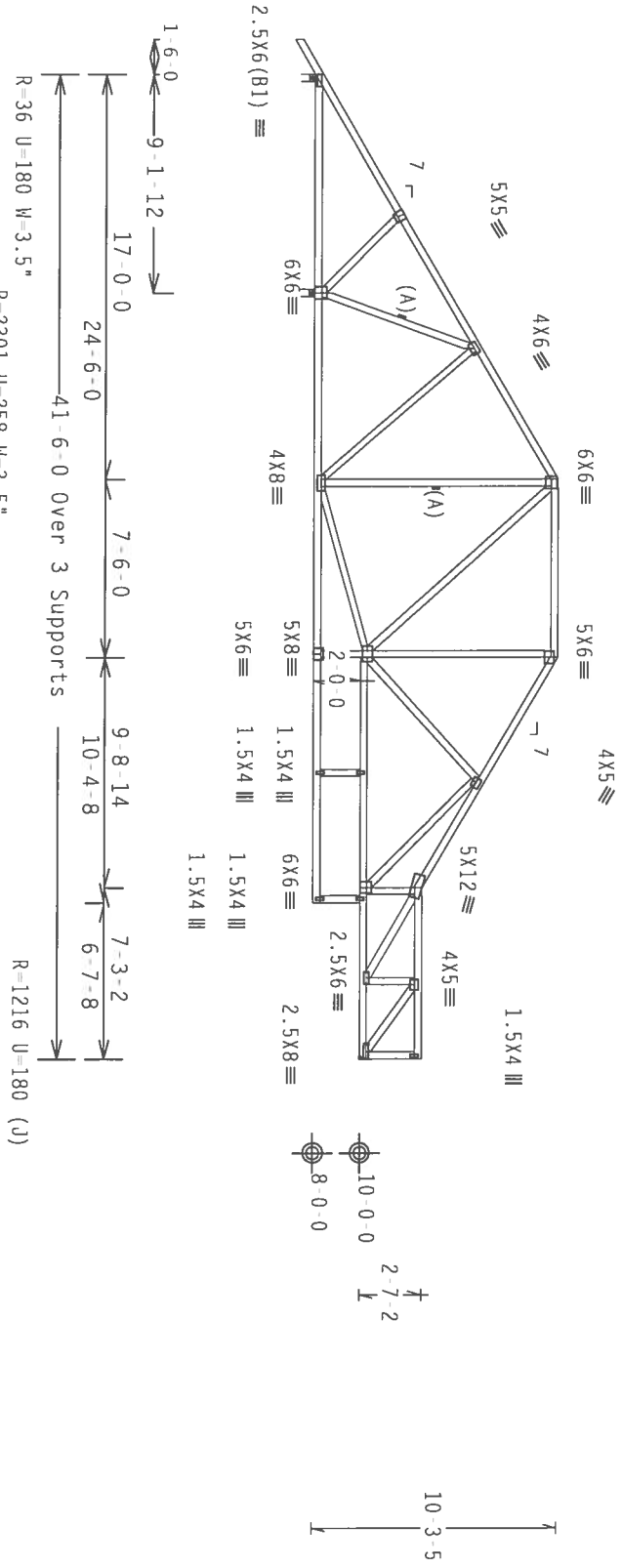
See detail BCFILLER1106 for bottom chord (BC) filler detail.
Laterally brace BC above filler @ 24" o.c. (or as designed)
Including a brace on BC directly above both ends of filler
(if no rigid diaphragm exists at that point).

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.

(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.



PLT TYP. Wave

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

7.24.1

FL/-/4/-/R/-

Scale = .125"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO NCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

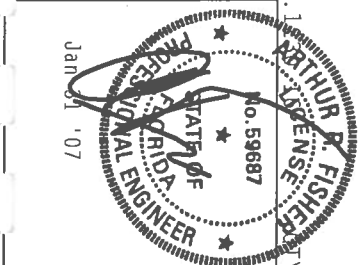
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TC LL	20.0 PSF	REF	R487 - 93370
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030036
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEON	149323
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF	1746487_201

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

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

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 6.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

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

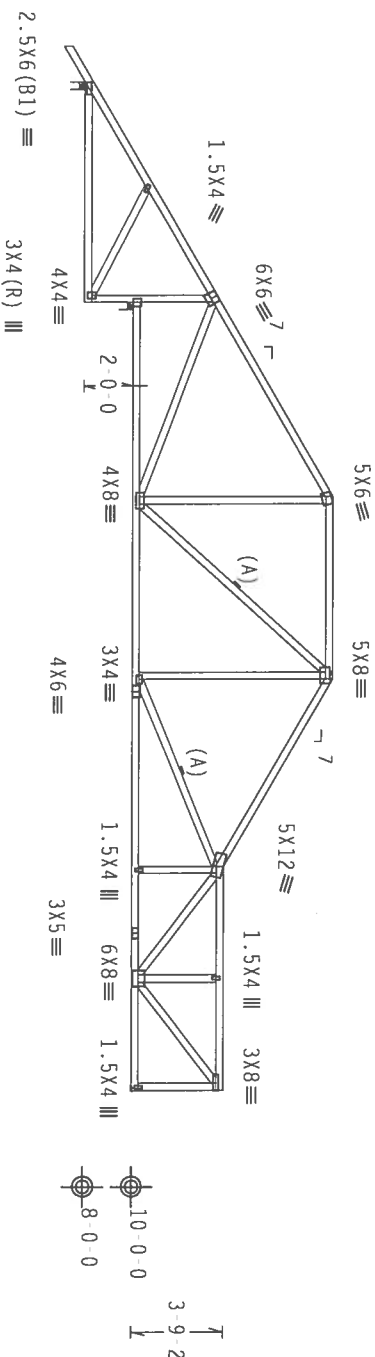


Diagram showing the elevation view of a bridge deck. The deck is supported by three supports. The dimensions are as follows:

- Span 1: 9-1-12
- Span 2: 17-0-0
- Span 3: 7-6-0
- Span 4: 7-8-14
- Span 5: 9-3-2
- Span 6: 41-6-0
- Span 7: 32-6-0
- Span 8: 9-0-0
- Span 9: 9-0-0
- Span 10: 41-6-0
- Span 11: 32-6-0
- Span 12: 9-0-0
- Span 13: 9-0-0
- Span 14: 41-6-0
- Span 15: 32-6-0
- Span 16: 9-0-0
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- Span 221: 9-0-0
- Span 222: 41-6-0
- Span 223: 32-6-0
- Span 224: 9-0-0
- Span 225:

PLT TYP. Wave

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

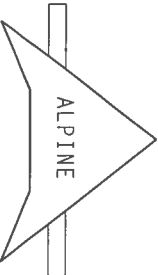
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24. INDEPENDENT: 1

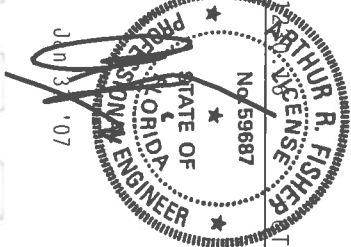
FL/-/4/-/-/R/-

Scale = .125"/Ft.

WARNING: FIRE'S RUINOUS EFFECTS IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO AISC'S BUILDING COMPONENTS FOR SAFETY INFORMATION. PUBLISHED BY THE STEEL INSTITUTE, 210 NORTH LEX STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK BOON TRUSS COMPANY OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI, 53719 FOR SAFETY PRACTICES PRIOR TO REWORKING THESE STRUCTURES. UNDESIRABLE DAMAGE INDICATED FOR GOOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED FIELD CHORDS.

[illegible]

ITW Building Components Group, Inc.
Haines City, FL 33844
F-I Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 93371
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCSR487 07030002
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149308
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF -	1T4G487_Z01

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

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

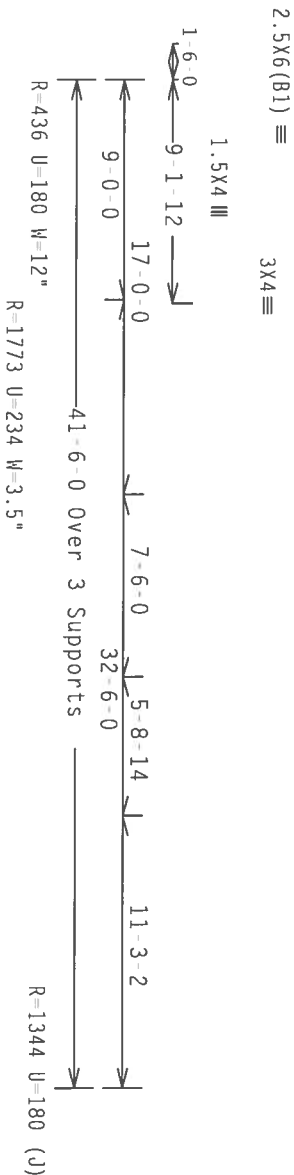
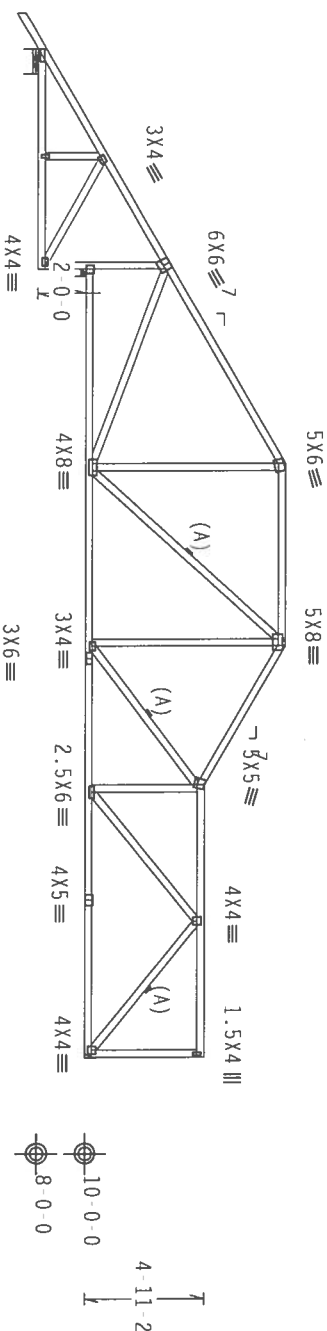
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 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) 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.



PLT TYP. Wave

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

7.24

FL/-/4/-/R/-

Scale = .125"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCSI (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

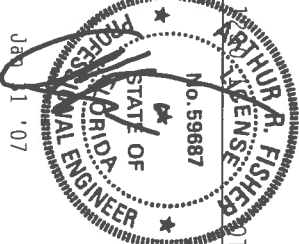
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGNER STATES ARE MADE OF 20/10/10GA (E/41/55/31) ASH AREA GRADE 40/60 (E/41/55) GALV. STEEL. ALPINE CONNECTION PLATES ARE LOCATED ON OR OFF THIS DESIGN. POSITION PER DRAWINGS 160A, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. ANY INSPECTION OF PLATES FOLLOWED BY TPI SHALL BE THE RESPONSIBILITY OF THE TRUSS COMPONENTS GROUP, INC. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

ITW Building Components Group, Inc.

Haines City, FL 33844

ET Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487--	93372
TC DL	10.0 PSF	DATE	01/30/07	
BC DL	10.0 PSF	DRW	HCUSR487	07030003
BC LL	0.0 PSF	HC-ENG	MMW/AF	
TOT.LD.	40.0 PSF	SEON-	149312	
DUR.FAC.	1.25	FROM	JFB	
SPACING	24.0"	JREF	174G487	201

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

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

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



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

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

PROPERTY: 1

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

Scale = .125"/Ft.

* **"WARNING"** - PRACTICES INVOLVING EXTENSIVE CORD INFILTRATION, HANDLING, SHIPPING, INSTALLING AND PRACTICING REFERRED TO HEREIN AS "UNSAFE PRACTICES" ARE PROHIBITED BY THE FOLLOWING: PUBLISHED BY IPI (TRESS PLATE INSTITUTE, 218 NORTH 10TH STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (6000 TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI, 53719) FOR SAFE PRACTICES AND WORK TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PAIETS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING

****IMPORTANT**** I URGE YOU TO SEND A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS

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

PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWING 1004-1 CONNECTION FILLING AND FLOW OF 20/10/1000 (W, 0/35/K) ASIM 8053 GRADE 40/60 (W, K/H, 35) GALV. STEEL. APPLY

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

BUILDING DESIGNER PER ANSI/HP1 1 SEC. 2.

1. *Chlorophyll a* (Chl *a*)

ITW Building Components Group, Inc.
Haines City, FL 33844
F1 Certificate of Authorization #

F-1 Certificate of Authorization # 567

[] [] []

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

JUN 31 '07

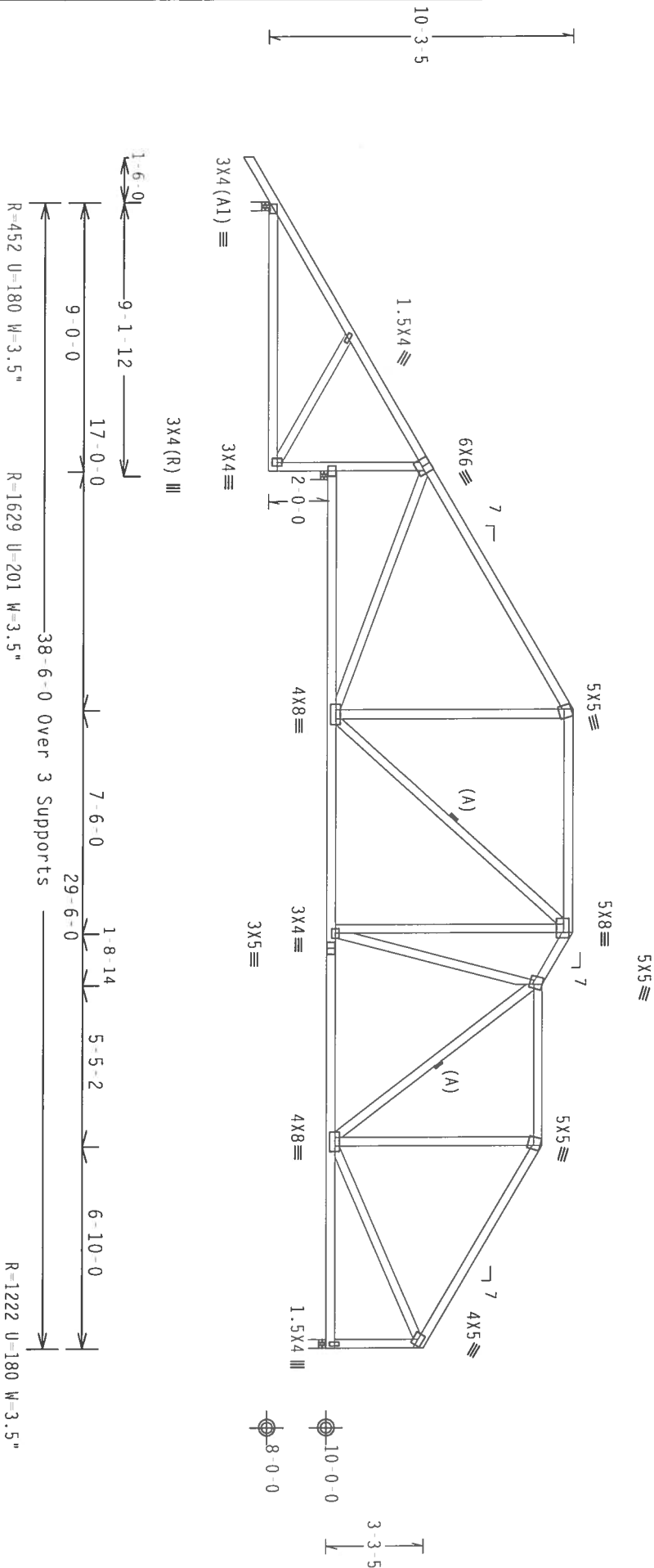
TC LL	20.0 PSF	REF	R487 - 93373
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030004
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149316
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF	IT4G487_Z01

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



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

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

QTY: 1

FL1-1-1/R1-

Scale = .1875"/Ft.

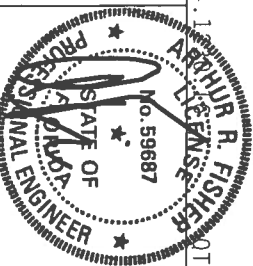
WARNING - PAPER REINFORCED EXTERIOR CASE IN FABRICATION. HANDLING, SHIPPING, INSTALLING AND DRIPPING OF ADHESIVE WILL BE REQUIRED. CONSULT SAFETY INFORMATION. PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD PRESSES) COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, HADLEY, MA 01919 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE ACTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

ALPINE

ITW Building Components Group, Inc.

FI Certification of Authorization # 567



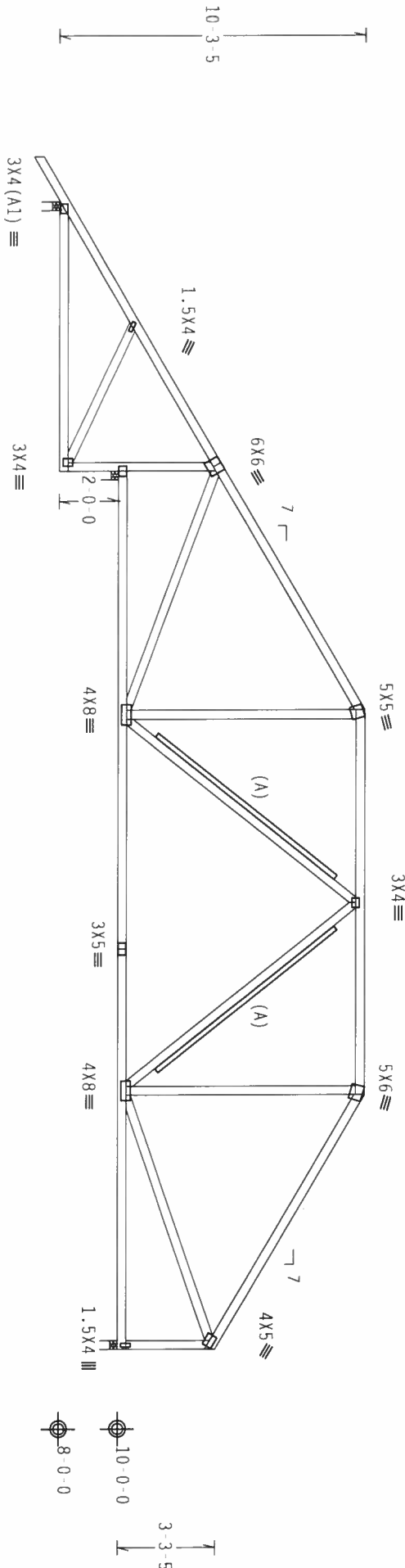
TC LL	20.0 PSF	REF	R487 - 93374
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030005
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149328
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF -	1T4G487 Z01

(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.

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.

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



PLT TYP. Wave

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

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

PROPERTY: 1

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

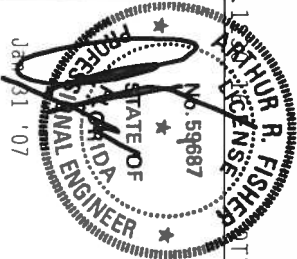
Scale = .1875"/Ft.

WARNING: THIS BUILDING EXHIBIT CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO BEST (OR OTHER) QUALIFIED SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLAN INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MADISON, MI 48319) FOR SAFETY PRACTICES TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

MTW Building Components Group, Inc.

FI
Certification of Authorization # 567



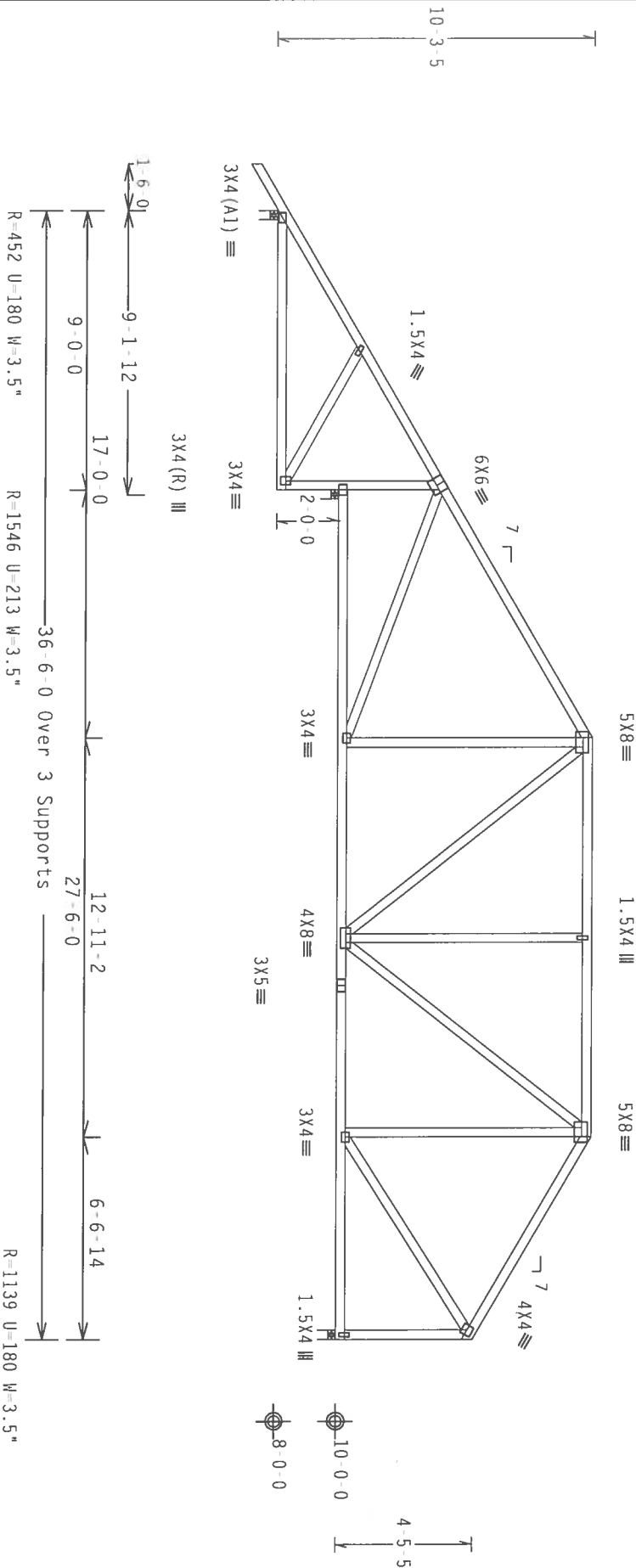
TC LL	20.0 PSF	REF	R487 - 93375
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030006
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149332
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

In lieu of structural panels or rigid ceiling use purtins 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

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

PROPERTY: 1

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

Scale = .1875"/Ft.

*WARNING: THESE RIGID CELLULOSE FIBER CEMENT FABRICATION, HANDLING, SHIPPING, INSTALLING AND BROKING REFERS TO 2621 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY THE TRUSS PAPER INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MICA AND MICA COMPANY, BRUSS COMPANY OF AMERICA, 6500 ENTERPRISE LANE, MADISON, MI 48139 FOR SAFETY PRACTICES PRIOR TO RECONSTRUCTING THESE STRUCTURES. UNDESIRABLE, UNDESIRABLE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

ALPINE

JTW Building Components Group, Inc.

FI Certificate of Authorization # 567

TC LL	20.0 PSF	REF	R487 - 93377
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030008
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN	149341
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T4G487_201

[illegible]

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, Cat II, Exp B, wind TC₀=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.

No. 59687
STATE OF

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

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

DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF	1T4G487 201

Calculated horizontal deflection is 0.12" due to live load and 0.20" due to dead load.

(A) Continuous lateral bracing equally spaced on member.

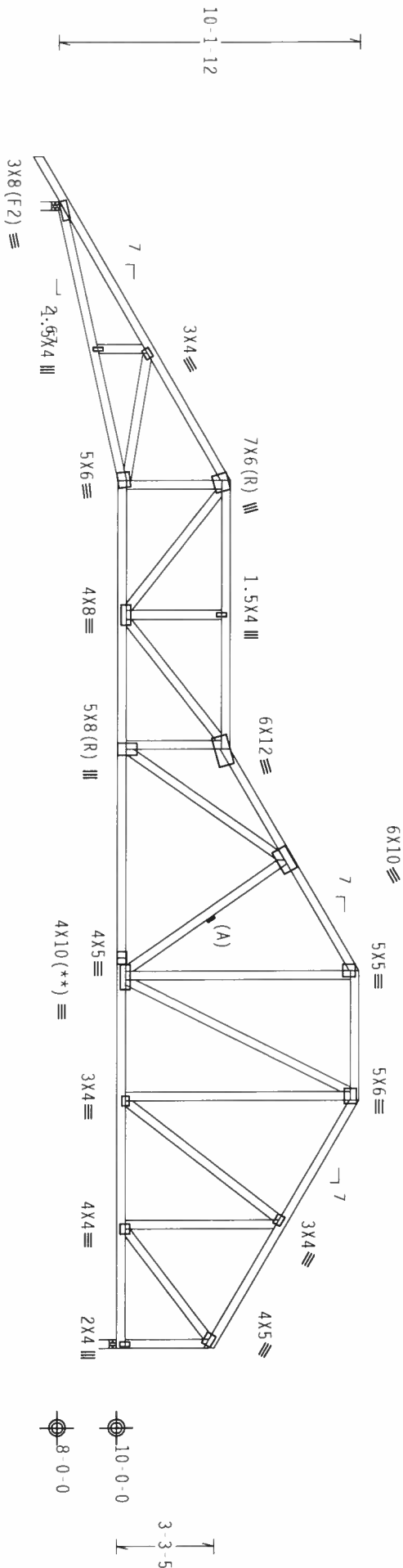
Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 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.

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



PLT TYP. Wave

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

7.24.12
6716
CENS
HE
TY:1

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

Scale = .1875"/Ft.

WARNING ALL FRAMES EXPOSED DURING CASE REMEDIATION, HANDLING, SHIPPING, INSTALLING AND BRACING MUST BE RE-INSULATED TO PREVENT CONDENSATION AND SWELLING OF THE FRAMES. PUBLISHED BY IFI (FRAMES PRACTICE INSTITUTE), 218 NORTH LIFE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND WILCO (GOOD FRAMES COUNCIL OF AMERICA), 63000 ENTERPRISE LANE, INDUSTRY, MI 48139 FOR SAFETY PRACTICES AND PRECAUTIONS TO PREVENTING THESE CONDITIONS, UNDESIRABLE DAMAGE TO THE FRAMES AND TO THE BUILDING. THE FRAMES AND BOTTOM CHORD SHALL HAVE PROPERTY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERTY ATTACHED RIGID CEILING.

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

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

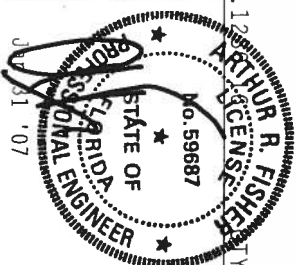
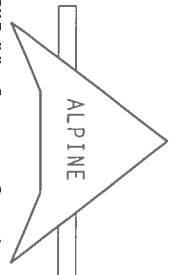
CONNECTOR PLATES ARE MADE OF 20/18/16GA (H,H/SS/K) ASTM A653 GRADE 40/60 (H, K/H,SS) GALV. STEEL. APPLY

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

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

Journal of Management Inquiry 23(4) 399–414

ITW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization 4



TC LL	20.0 PSF	REF	R487 - 93381
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030012
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149433
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_201

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

Calculated horizontal deflection is 0.12" due to live load and 0.19" due to dead load.

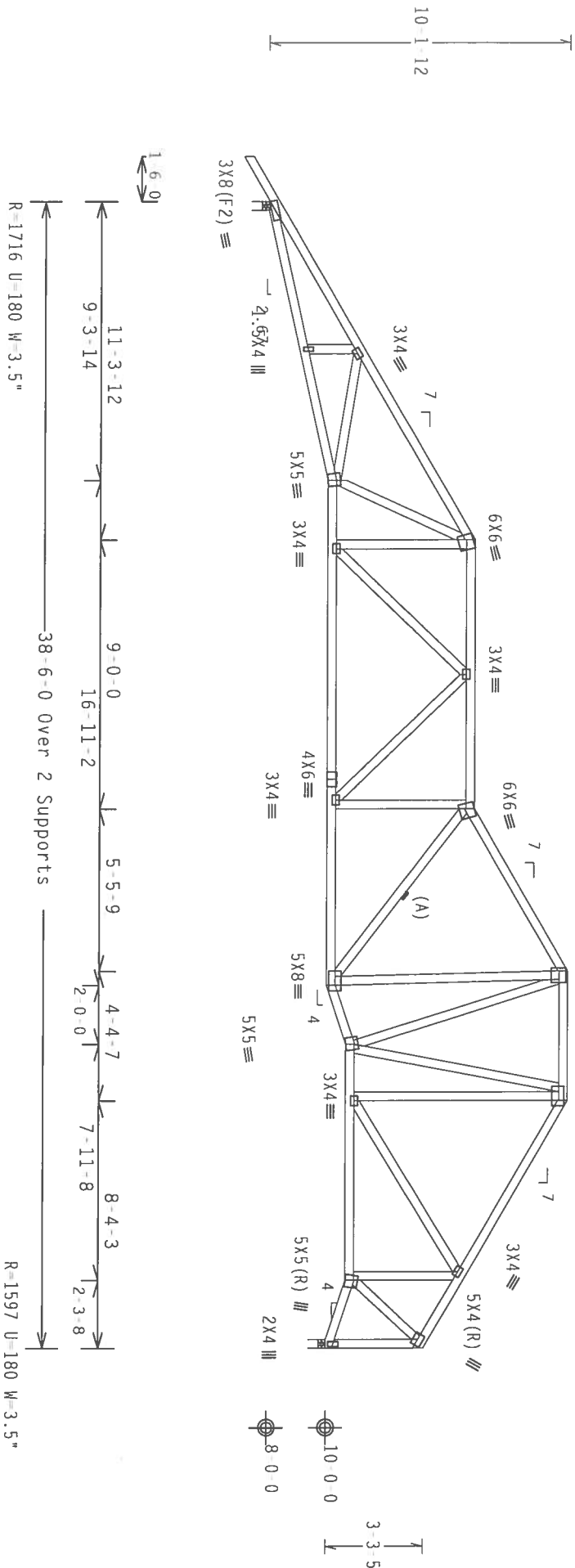
Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

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.

(A) Continuous lateral bracing equally spaced on member.

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



PLT TYP. Wave

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

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

1381 LICENSE HEALTHY: 1

FL/14/1-1/R/

Scale = .1875"/ft.

* **WARNING:** THESE PRACTICES INCLUDING EXISTING CABLE IN PARTICULATION, HANDLING, DRIPPING, INSTALLING AND BRACKETING TO ACES1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 219 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22319 AND WICKIWOOD TRUSS COMMITTEE OF AMERICA, 65000 CENTRE PARK LANE, SUITE 500, WILSONVILLE, OR 97150 FOR SAFETY PRACTICES PAPER TO PERFORMING THESE ACTIONS, UNLESS INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CELLING.

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

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

PLATES TO EACH FACE OF RISERS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS. CONNECTOR PLATELS ARE MADE OF 20/18/1666 (H.H./S.S./K) ASIM A653 GRADE 40/60 (H. K/H.SS) GALV. STEEL. APPLY

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT.

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

—

ITW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization 4

567

TC LL	20.0 PSF	REF	R487 - 93382
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030013
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149437
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_Z01

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

Wind reactions based on MMFRS pressures.

Calculated horizontal deflection is 0.11" due to live load and 0.17" due to dead load.

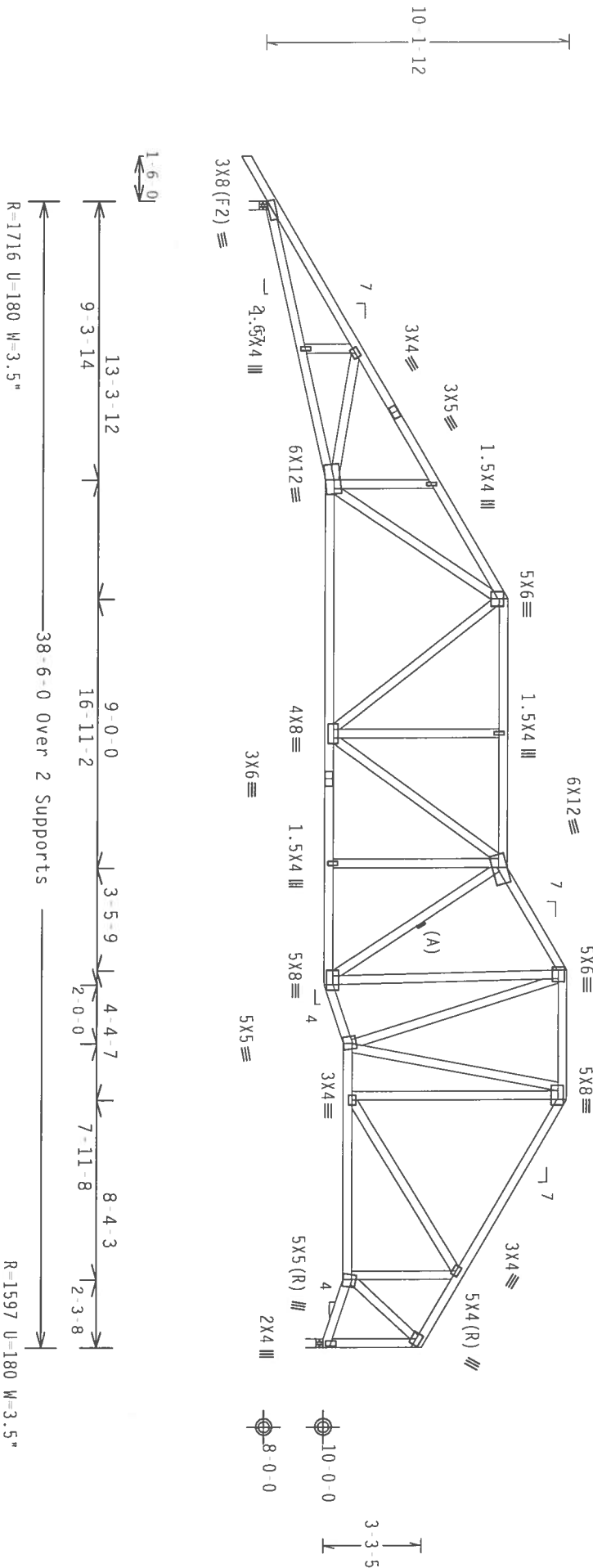
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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.

(A) Continuous lateral bracing equally spaced on member.

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.1

FL/-/4/-/R/-

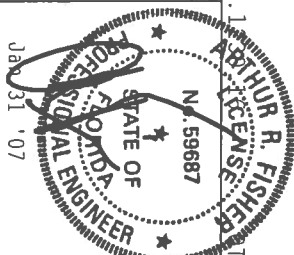
Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES TO THE DESIGN REQUIREMENTS OR TO THE DESIGNER'S INSTRUCTIONS, INCLUDING SHIPPING, INSTALLING AND BRACING, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGNER'S INSTRUCTIONS, INCLUDING SHIPPING, INSTALLING AND BRACING, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGNER'S INSTRUCTIONS, INCLUDING SHIPPING, INSTALLING AND BRACING, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
F1 Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487-93383
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030014
BC LL	0.0 PSF	HC-ENG	MMW/AF
TOT.LD.	40.0 PSF	SEON-	149441
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	UREF	1T4G487_201

(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.

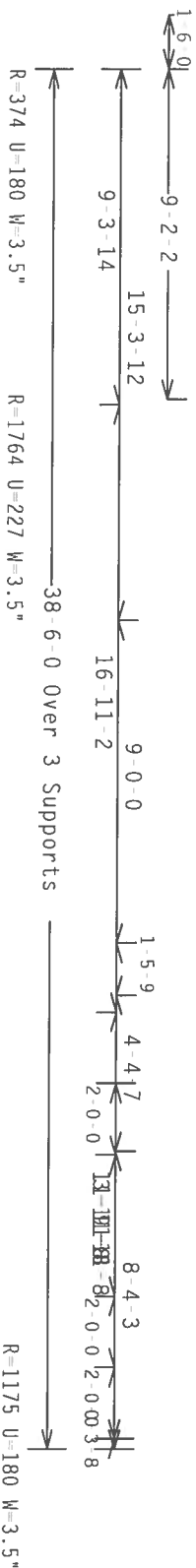
See detail BCFillerR106 for bottom chord (BC) filler detail.
Laterally brace BC above filler @ 24" o.c. (or as designed)
Including a brace on BC directly above both ends of filler
(if no rigid diaphragm exists at that point).

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 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.

Shim all supports to solid bearing.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

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

4.12.16 CEN 1625:1

FL/14/1-1-R/-

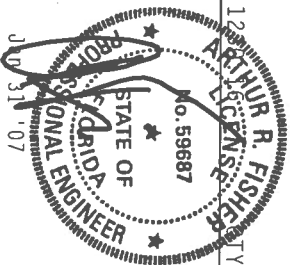
Scale = .1875"/Ft.

WARNING: THESE SAFETY PRACTICES REQUIRE CARE IN FABRICATION, HANDLING, CUTTING, DRILLING, INSTALLING, AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY IP1 (INRESS PRACTICE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MFC (WOOD FRASS CONSULTING OF AMERICA), 6300 ENTERPRISE LANE, MIDLAND, TX 53719 FOR SAFETY PRACTICES PERTAINING TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED ROOF CEILING.

ALPINE

ITW Building Components Group, Inc.

FI Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 93384
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030015
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN	149453
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF	1T4G487_201

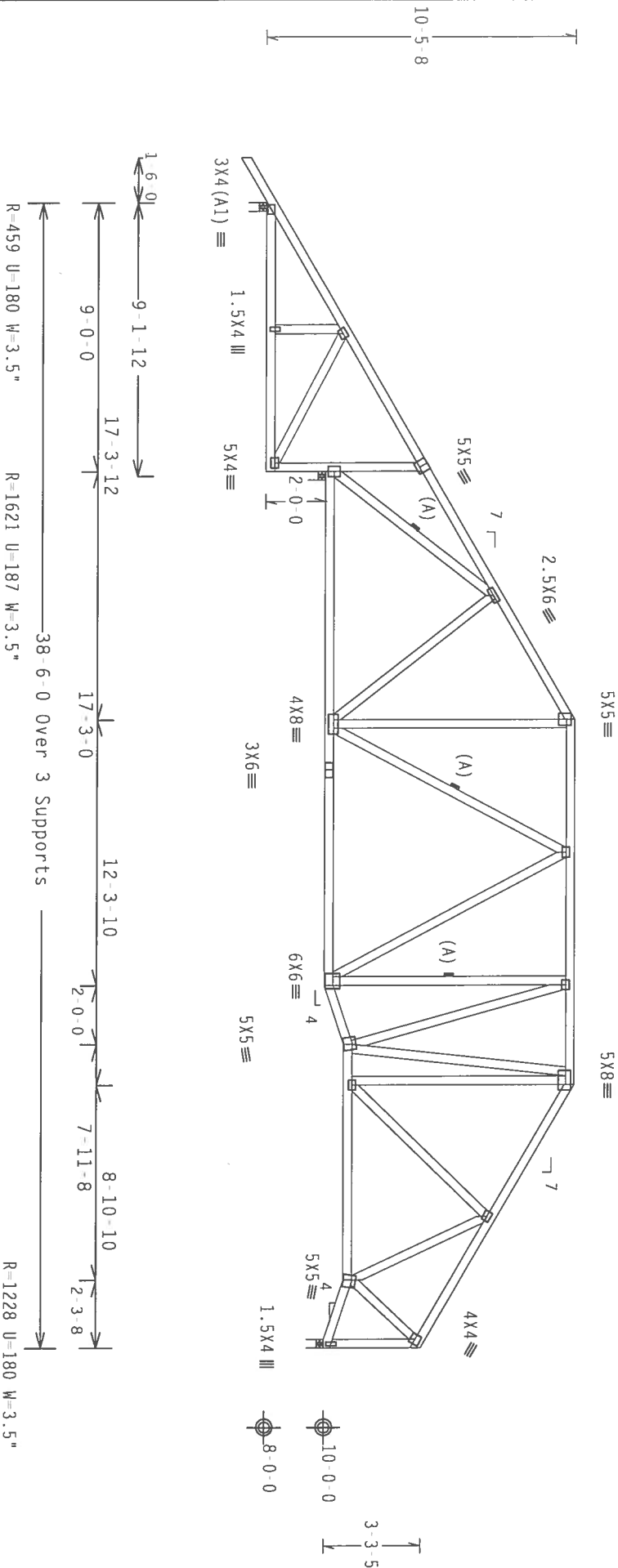
(A) Continuous lateral bracing equally spaced on member.

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

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.

Shim all supports to solid bearing.



Note: All Plates Are 3X4 Except As Shown.

PLT TYP. Wave

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

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

7.24.1

PROPERTY: 1

FL/14/1-1-R/1-

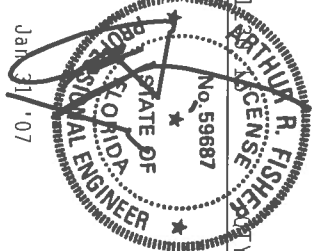
Scale = .1875"/Ft.

[illegible]

ALPINE

JTW Building Components Group, Inc.

FI Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 93385
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030016
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149496
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF -	1T4G487_201

Top chord 2x4 SP #2 Dense: T2, T3 2x6 SP #1 Dense:

Bot chord 2x6 SP #1 Dense: B1 2x8 SP SS:

:B2 2x8 SP #1 Dense:

Webs 2x4 SP #3 :W2, W5, W9 2x4 SP #2 Dense:

Wind reactions based on MMFRS pressures.

(C) 1x4 #3 or better "T" brace. 80% length of web member.

Attach with 8d Box or Gun (0.113"x2.5".min.)nails @ 6" OC.

(B) SCAB BRACE. 80% LENGTH OF WEB MEMBER. SAME SIZE,

SPECIES & GRADE OR BETTER. ATTACH WITH 0.128"x3"

NAILS @ 4" OC.

(A) 2x6 #3 or better "T" brace. 80% length of web member.

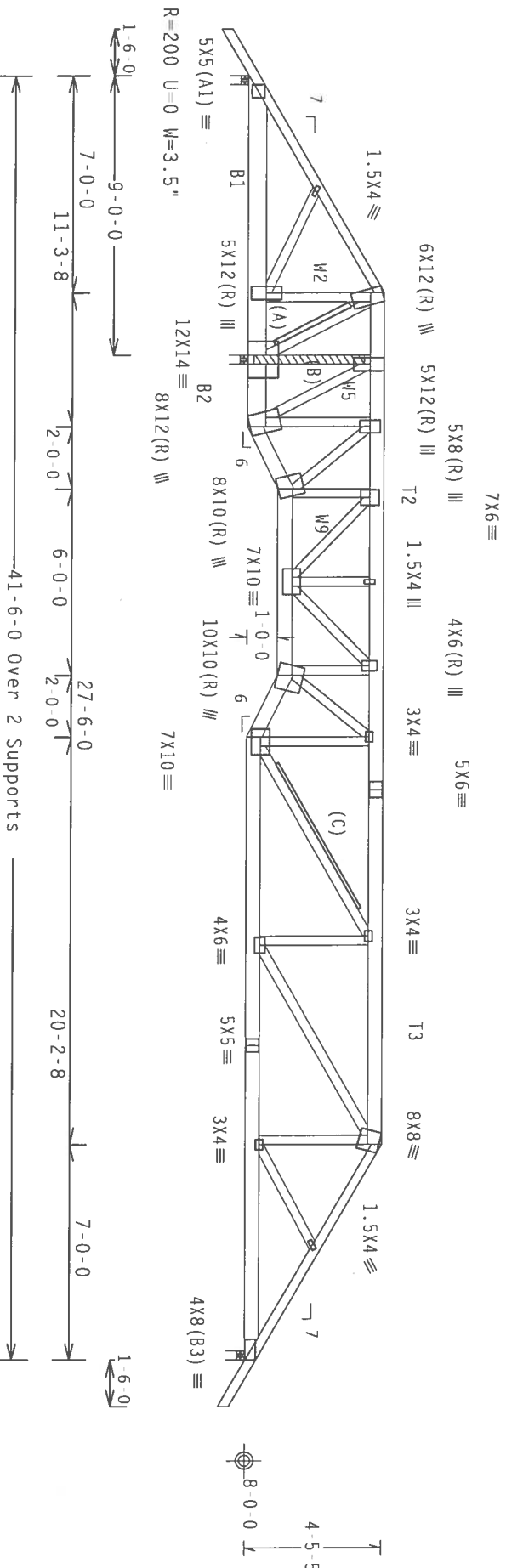
Attach with 16d Box or Gun (0.135"x3.5".min.)nails @ 6" OC.

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.

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

#1 hip supports 7-0-0 jacks W/2 panel TC and no end vert.

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



R=8415 U=580 W=3.5"

R=2296 U=222 W=3.5"

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

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

7.24.1

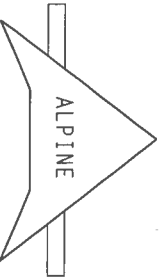
FL/-/4/-/R/-

Scale = .1875"/ft.

****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314 AND WTC (WOOD TRUSS CONNECTOR OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE OF TRUSSES IN CONNECTION WITH THE FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

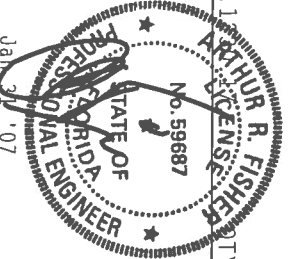
ALPINE TRUSS COMPANY, INC. 40/60 (4" x 4" x 55) GALV. STEEL. APPLY CONNECTION PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE INDICATED PER DRAWINGS, APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN ASSOCIATION OF BUILDING OFFICIALS (AIA) 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SAFETY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/TPI 1 SEC. 2.



NTW Building Components Group, Inc.

Haines City, FL 33844

ET Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 93386
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030030
BC LL	0.0 PSF	HC-ENG	MMN/AF
TOT.LD.	40.0 PSF	SEON-	130268
DUR.FAC.	1.25		
SPACING	24.0"	UREF-	1T4G487_201

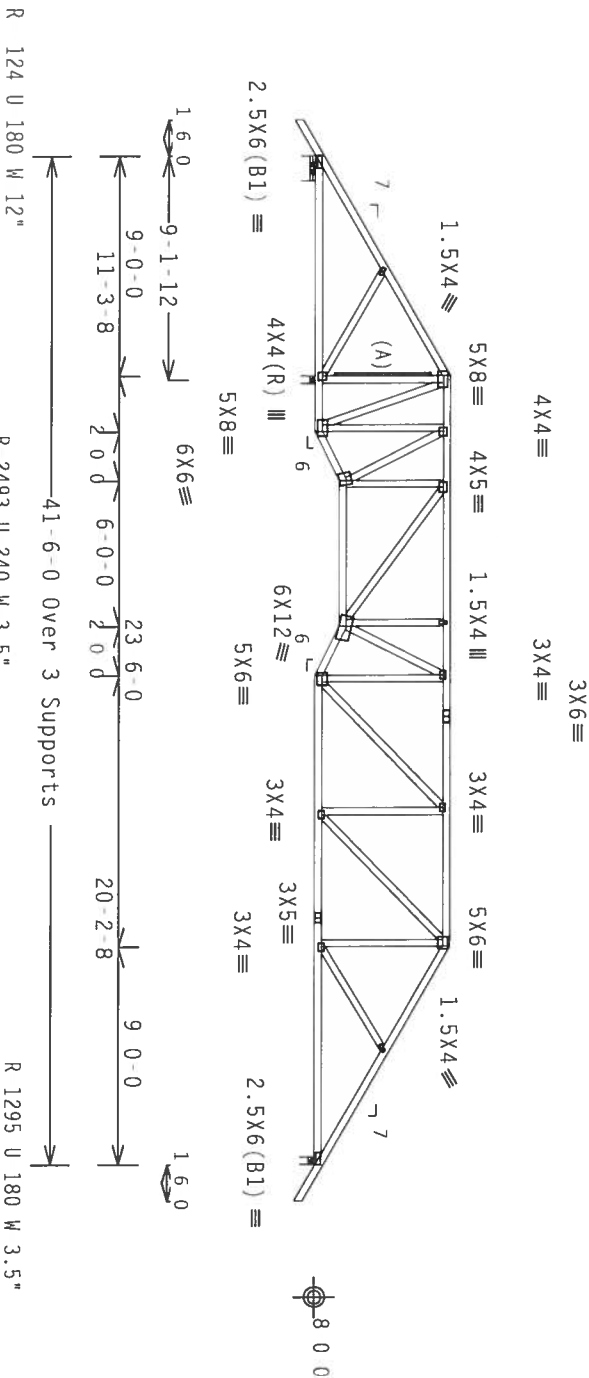
(6 395 Stanley Crawford Construc WILMOTH .*** HT9A)
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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 6.50 ft from roof edge, CAT II, EXP B, wind TC
DL 5.0 psf, wind BC DL 5.0 psf.

(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.



PLT TYP. Wave

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

7.24.1

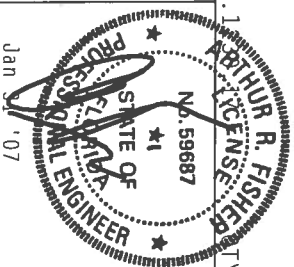
FL/-/4/-/R/-

Scale = .125" /ft.

WARNING TRUSSES REQUIRE EXTERNAL CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO BCSEI (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 210
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 6300
ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENT'S
GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS
IN CONFORMANCE WITH THE, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

ALPINE
BUILDING COMPONENTS GROUP, INC.
HAINES CITY, FL 33844
F1 Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487- 93387
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030008
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON	129463
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T4G487_201

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

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

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



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

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

7.24.12

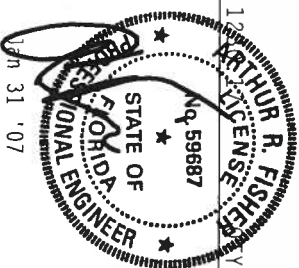
FL/-/4/-/-/R/-

Scale = .125"/ft.

WARNING: * FLOOR JOISTS, EXISTING GIRDERS, IN FAMILICATION, HANDLING, SHIPPING, UNLOADING, INSTALLING AND BRACING REFER TO SPEC. (BUILDING CODES) AND SPECIFIC INFORMATION. * PUBLISHED BY TPI (TRESS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND THE AMERICAN IRON AND STEEL INSTITUTE, 65000 FARMERS TRAIL, SUITE 312, ALEXANDRIA, VA, 22314) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE OPERATIONS. * UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED BRIDGE CEILING.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 93388
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HGUSR487 07030010
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	129478
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T4G487_201

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

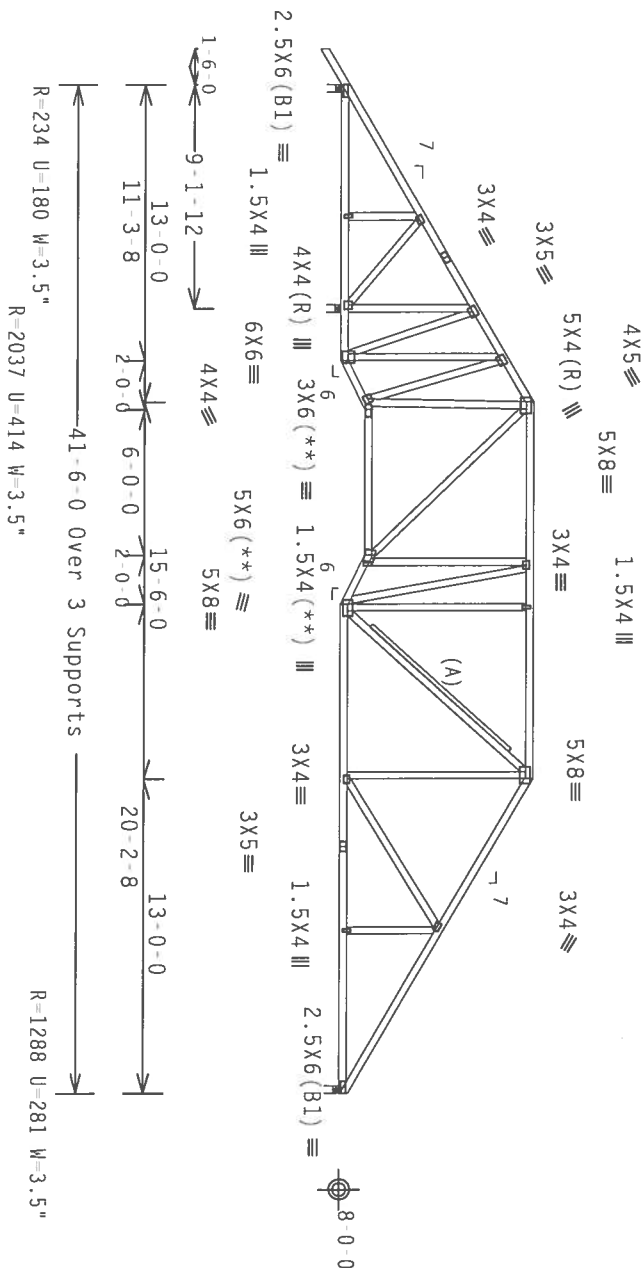
(A) 2x4 SP #3 or better "T" brace. 80% length of web member Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=2.8 psf, wind BC DL=2.2 psf.

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



PLT TYP. Wave

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

7.24.1

Scale = .125"/Ft.

WARNING **PANELS REQUIRING EXISTING CASE IN FABRICATION, HANDING, SHIPMENT, INSTALLING AND BRACKETING TO BE CSCI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY FBI (FBI SAFETY INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND AFCA (WOOD TRUSS COUNCIL OF AMERICA, 62000 ENTERPRISE LANE, SAULSBURY, MI, 48139) FOR SAFETY PRACTICES AND WELFARE OF OFFICIALS, UNDESIRABLE. OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED GRID CEILING.

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

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

PLATES TO EACH FACE OF BRIS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWING (SEE 2 CONNECTION DETAILS AND MADE OF 20/10/16MM (H, 11/35/K) ASIM A653 GRADE 40/60 (H, K/11.55) GALV. STEEL. APPLY

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

BUILDING DESIGNER PER ANSI/TP1-1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization # 567

FI Certificate of Authorization # 567

COLLEGE OF DESIGN, NEW YORK CITY

TC LL	20.0 PSF	REF	R487 - 93389
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030009
BC LL	0.0 PSF	HC ENG	KH/AF
TOT.LD.	40.0 PSF	SEON-	130347
DUR.FAC.	1.25		
SPACING	24.0"	REF -	1T4G487_201

Top chord	2x6	SP	#2	:	T1	2x4	SP	#2	Dense:
Bot chord	2x6	SP	#2						
Walls	2x4	SP	#3	:	W7	2x4	SP	#2	Dense:

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

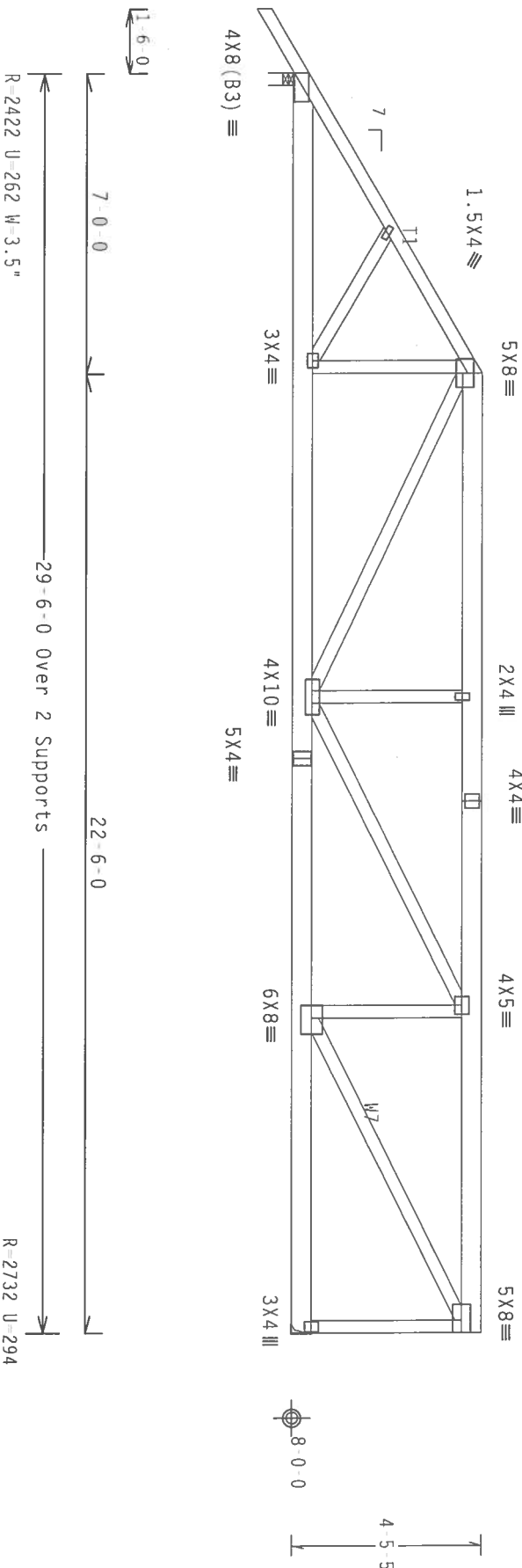
$$(\text{LUMBER DUR.FAC.} = 1.25 / \text{PLATE DUR.FAC.} = 1.25)$$

	(LUMBER DUR. FAC = 1.25 / PLATE DUR. FAC = 1.25)	
TC From	31 PLF at 1.50 to 31 PLF at 29.50	
BC From	5 PLF at 1.50 to 5 PLF at 0.00	
BC From	10 PLF at 0.00 to 10 PLF at 29.50	
TC	456 LB Conc. load at 7.00	
TC	190 LB Conc. load at 9.00	11.00, 13.00, 15.00, 17.00
TC	21.00, 23.00, 25.00, 27.00, 29.00	
BC	443 LB Conc. load at 7.00	
BC	82 LB Conc. load at 9.00	11.00, 13.00, 15.00, 17.00
BC	21.00, 23.00, 25.00, 27.00, 29.00	

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.

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)

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

7.25.0418.16CFNS-CHCITY:1

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

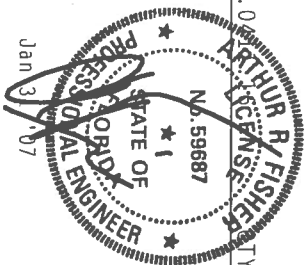
Scale = .25"/Ft.

*WARNING** PRIORS TO THE EXISTING CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING MUST BE KEPT. (INCLUDING COMPONENT SAFETY INFORMATION) PUBLISHED BY TPI (TURNS PAINT INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LAKE, MADISON, WI, 53719 FOR SAFETY PRACTICES NEED TO PERFORM THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group, Inc.

FI Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 93390
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030018
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	65295 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T4G487_Z01

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

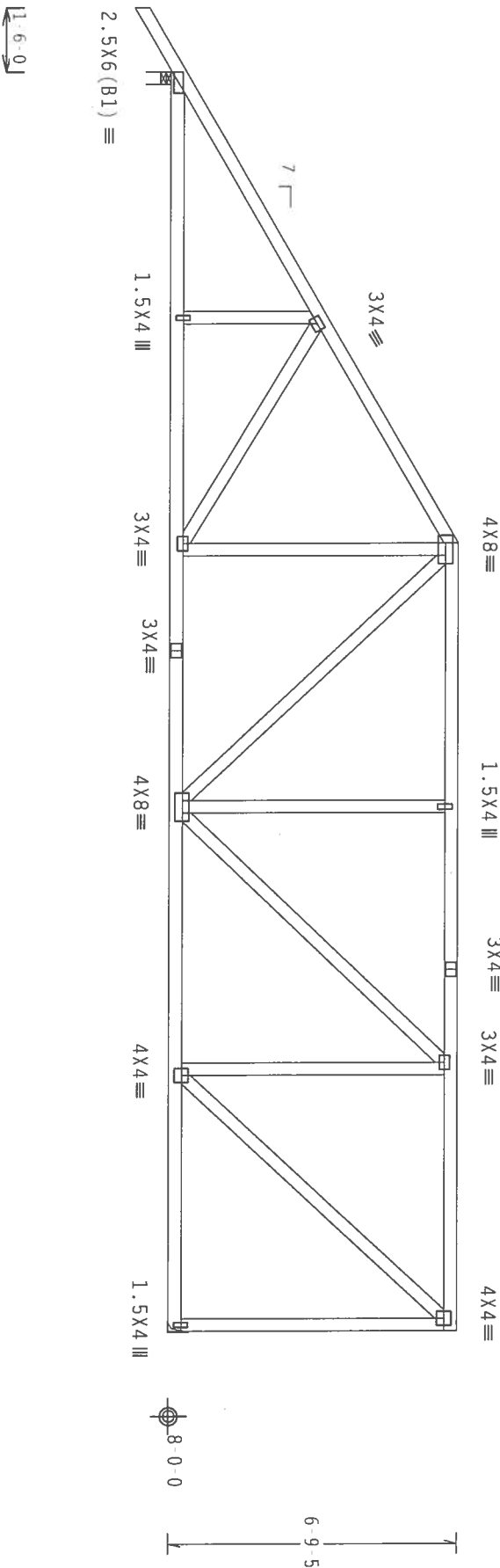
Wind reactions based on MMFRS pressures.

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.



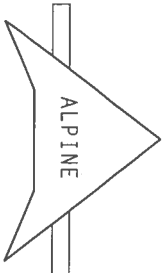
R=1337 U=180 W=3.5"
R=1217 U=180

PLT TYP. Wave

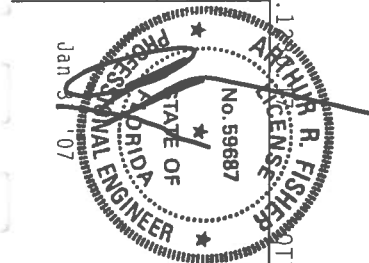
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

****WARNING**** TRUSSES BEARING EXTERIOR LOADS IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY THE TRUSS SOCIETY OF AMERICA, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22304 AND WICKIWOOD TRUSS COMPANY, 1100 ENTERPRISE LANE, HADISON, NJ 07419 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. THE BUILDING COMPONENTS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. ALPINE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 805 (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/10/10GA (4.4/55/55) ASH 6053 GRADE 40/60 (4.4/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. UNLESS OTHERWISE INDICATED, ALL TRUSSES SHALL BE PER AMERICAN STANDARD TPI-2002 SEC. 2.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
Certification # 567



TC LL	20.0 PSF	REF R487-- 93392
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030020
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 16191
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T4G487_201

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

Wind reactions based on MWFRS pressures.

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

(A) Continuous lateral bracing equally spaced on member.

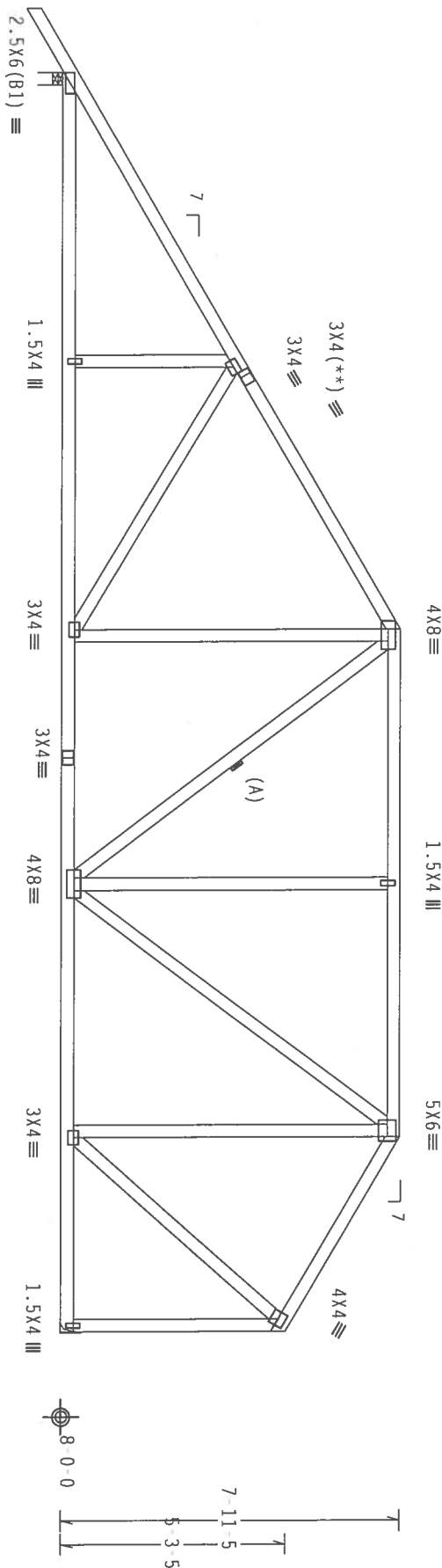
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 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.



R=1337 U=180 W=3.5"

29-6-0 Over 2 Supports

R=1217 U=180 (J)

PLT TYP. Wave

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

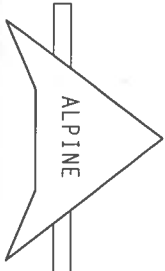
QTY:1

FL/-/4/-/R/-

Scale = .25"/ft.

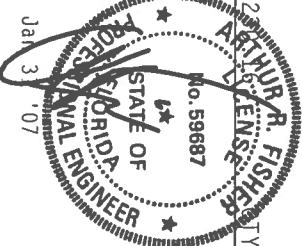
WARNING TRUSSER REQUIRE EXTERIOR GABLE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO NCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6000 ENTERPRISE LANE, HADISON, MI 48321) 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. THE BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ACCEPTED PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T100-2. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL BE PER AISC 360 OR TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844

TPI Certification # 567



TC LL	20.0 PSF	REF	R487-- 93393
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030017
BC LL	0.0 PSF	HC-ENG	MMW/AF
TOT.LD.	40.0 PSF	SEON-	149394
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF	1T4G487_201

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

Wind reactions based on MMFRS pressures.

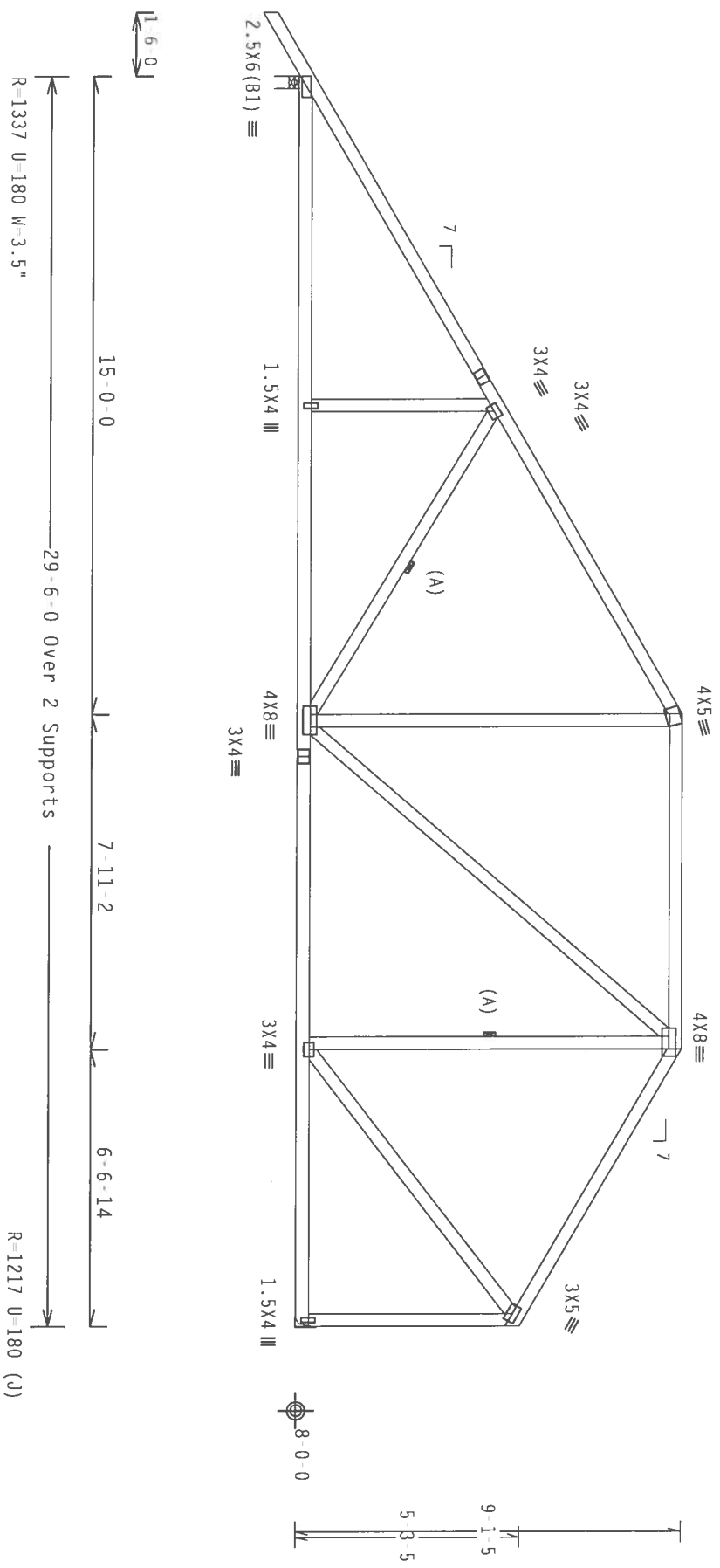
(J) hanger connection not found in inventory file for this condition. Provide connection.

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.

(A) Continuous lateral bracing equally spaced on member.
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

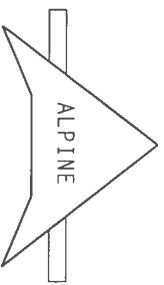
Design Crit: TPI-2002(STD)/FBC
Cq/Rt=1.00(1.25)/10(0)



FL/-/4/-/R/- Scale = .25"/ft.

TC LL	20.0 PSF	REF R487--	93394
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW HCUSR487	07030018
BC LL	0.0 PSF	HC-ENG MNM/AF	
TOT.LD.	40.0 PSF	SEON-	149398
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF	1746487_201

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH THIS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF AOS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. ALPINE TRUSSES ARE MANUFACTURED BY ITW BUILDING COMPONENTS GROUP, INC. (AIA/AIA) AND TPI. APPLY THESE RULES TO THE TRUSSES OF THIS DESIGN. IN THE EVENT OF A DISCREPANCY BETWEEN THE TRUSS COMPONENTS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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

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

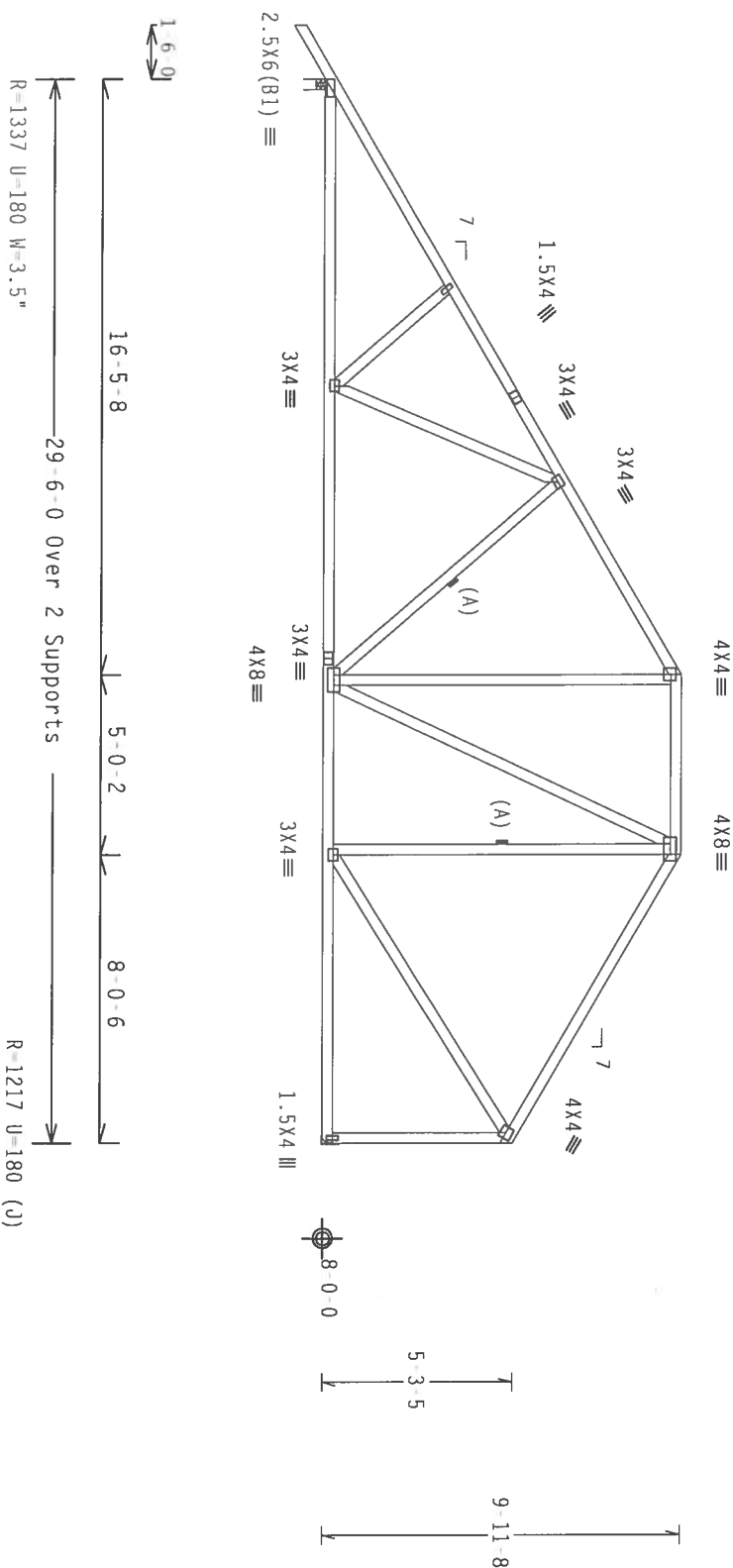
Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

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.

(A) Continuous lateral bracing equally spaced on member.

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



PLT TYP. Wave

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

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

7.24.156

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

Scale = .1875"/Ft.

WARNING—THIS LISTING, EXHIBIT, CASE INFORMATION, HANDLING, SHIPPING, INSTALLING, AND PRACTICE INFORMATION IS NOT A SUBSTITUTE FOR THE RELEVANT CODES, STANDARDS, AND REGULATIONS. REFER TO BCCL (BUILDING CODES LIST) SAFETY INFORMATION, PUBLISHED BY THE FIREARMS INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND NFA (NATIONAL FIREARMS ASSOCIATION) FIREARMS INSTITUTE, 6000 CAMPBELL AVE., SUITE 500, FALLS CHURCH, VA 22044, FOR SAFETY PRACTICES PERTAINING TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

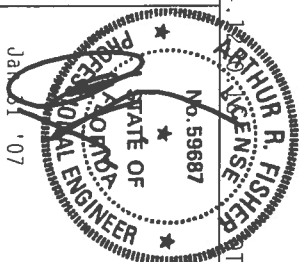
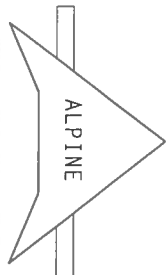
IN COMPLIANCE WITH TP1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

PLATES TO EACH FACE OF TRUSS AND MEMBERS OTHERWISE LOCATED ON THIS DESIGN POSITION PER DRAWINGS LEGAL CONNECTION ELEMENTS, INCL. OF 20/10/1994 (M, 0/55/K) ASIM 4653 GRADE 40/50 (M, K/H, 55) GALV., STEEL, APPLY

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

BUILDING DESIGNER PER ANSI/HP1 1 SEC. 2

ITW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 93395
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030019
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149402
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_201

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 :B2 2x4 SP #2 Dense:
Webs 2x4 SP #3

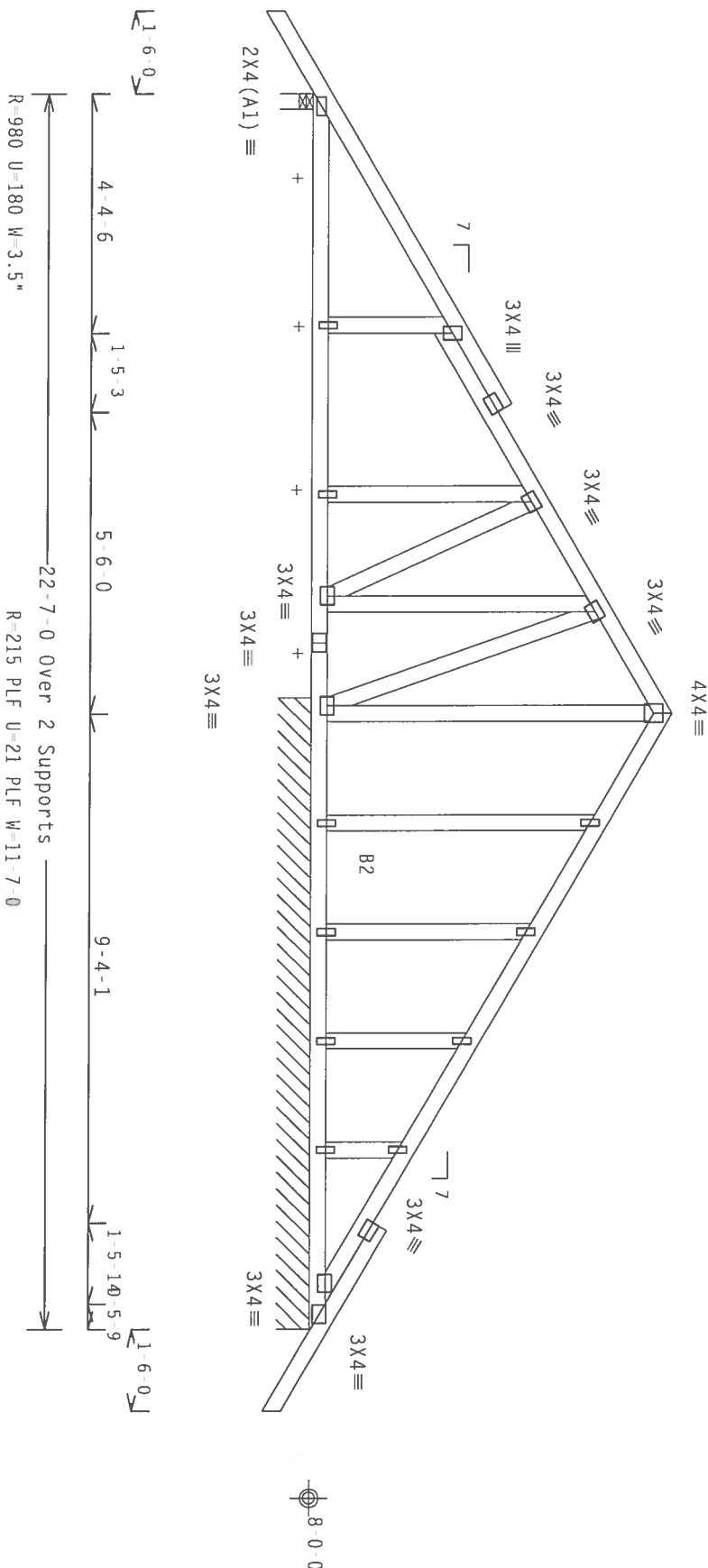
Truss spaced at 24.0" OC designed to support 1-6-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

+ MEMBER TO BE Laterally Braced For Wind Loads Perpendicular To Truss. Bracing System To Be Designed And Furnished By Others.

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.

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



Design Crit: TPI-2002(STD)/FBC

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

7.24.1301XFNSE...TY:1

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

Scale = .3125"/Ft.

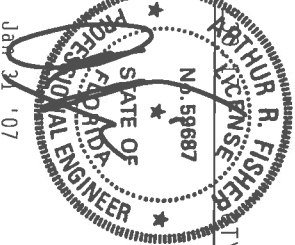
*WARNING: ALL PRICES INCLUDE EXTERIOR CASE INSTALLATION, HANDLING, SHIPPING, INSTALLING AND BRACING TO MEET (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND (800) 788-5555. COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MIDLOTHIAN, VA, 55139 FOR SAFETY PRACTICES PREFER TO PERFORMING THE FUNCTIONS, UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

ALPINE

ITW Building Components Group, Inc.

Haines City, FL 33844
FI Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 93396
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030007
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN -	129743 REV
DUR.FAC.	1.25		
SPACING	24.0"	JREF -	1T4G487_201

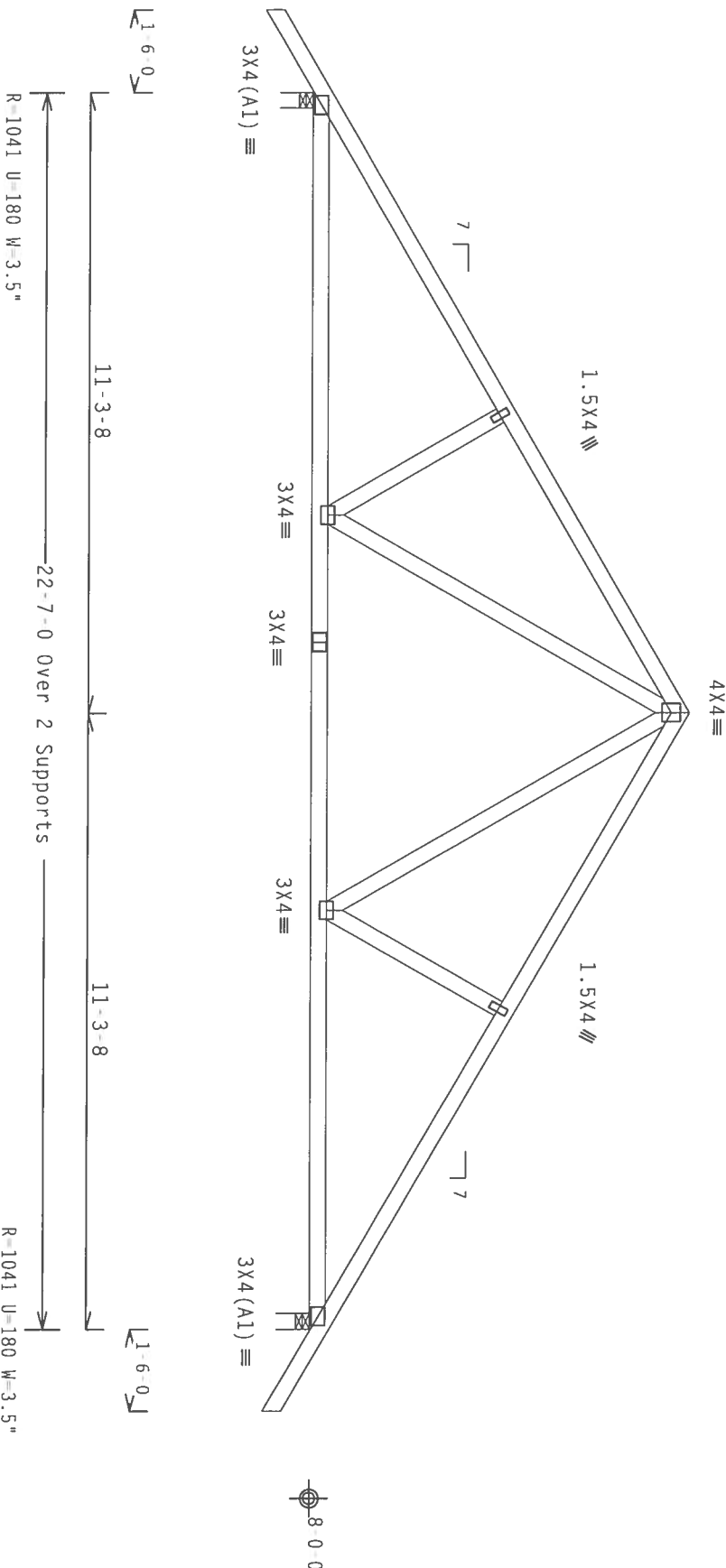
(6 395 - Stanley Crawford Construc WILMOTH - ** - C)
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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.

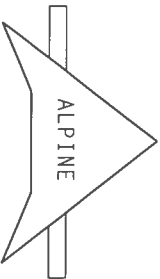


PLT TYP. Wave

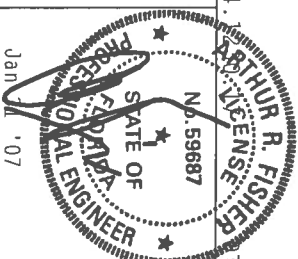
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSTI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS DESIGN COMPONENTS SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS DESIGN COMPONENTS SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.



ITW Building Components Group, Inc.
Haines City, FL 33844
F1 Certificate of Authorization # 567



FL/-/4/-/R/-	Scale = .3125"/ft.
TC LL 20.0 PSF	REF R487-- 93397
TC DL 10.0 PSF	DATE 01/30/07
BC DL 10.0 PSF	DRW HCUSR487 07030013
BC LL 0.0 PSF	HC-ENG JB/AF
TOT.LD. 40.0 PSF	SECON 16151
DUR.FAC. 1.25	
SPACING 24.0"	JREF-1T4G487_201

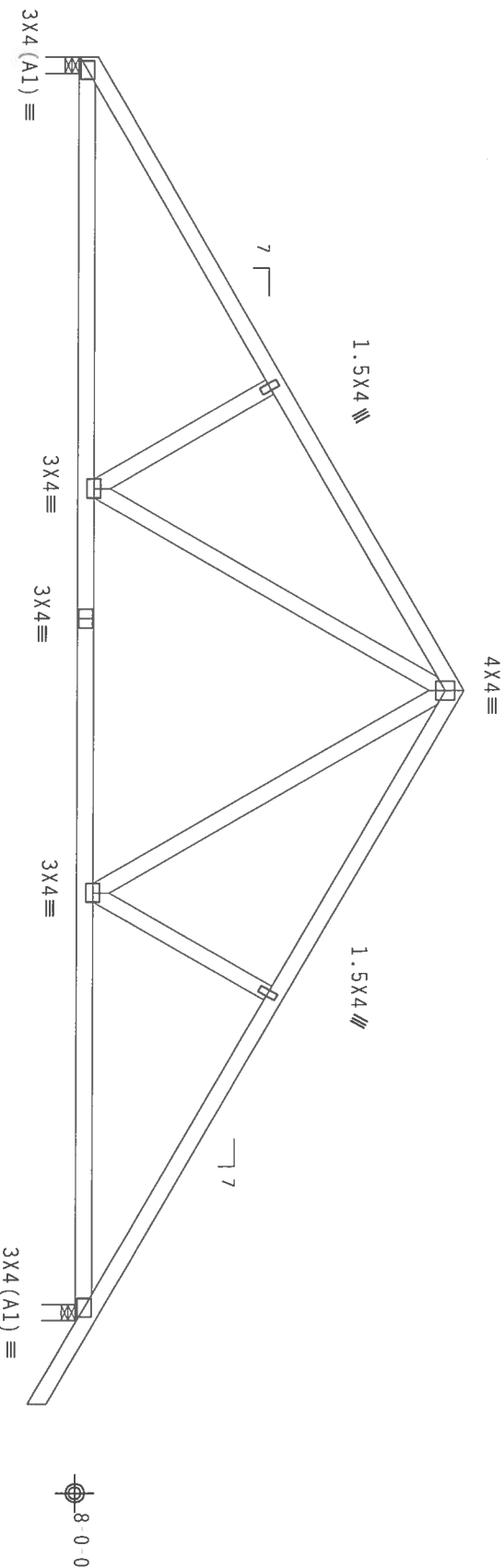
Top Chord 2x4 SP #2 Dense
Bot Chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

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

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



11'-3-8
11'-3-8
22'-7-0 Over 2 Supports
R=935 U=180 W=3.5"
R=1045 U=180 W=3.5"

PLT TYP. Wave

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

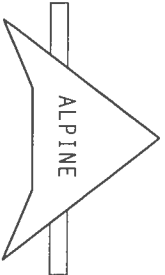
7.24.12

FL/-/4/-/R/-

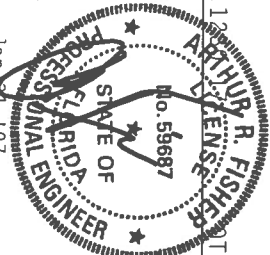
Scale = .3125"/ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 6000 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (QUALITY DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/10/10GA (44/55K) 4TH ABSS GRADE 40/60 (4.4/5.5) GALV. STEEL. APPLY TO ALL TRUSSES. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TADA 2. ANY INSPECTION OF TRUSSES MUST BE DONE BY A QUALIFIED PERSONNEL. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
E7 Certificate of Authorization # 567



TC LL	20.0 PSF	REF R487-- 93398
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030017
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT. LD.	40.0 PSF	SEON- 16155
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1T4G487_201

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP SS
Webs 2x4 SP #3 :W7 2x4 SP #2 Dense:

$$(\text{LUMBER DUR. FAC.} = 1.25 / \text{PLATE DUR. FAC.} = 1.25)$$

TC	From	63 PLF at 0.00 to	63 PLF at 24.08
BC	From	20 PLF at 0.00 to	20 PLF at 22.58
BC	From	5 PLF at 22.58 to	5 PLF at 24.08
BC	1553 LB Conc.	Load at 2.06	
BC	1526 LB Conc.	Load at 4.00	
BC	1217 LB Conc.	Load at 6.06	
BC	*2732 LB Conc.	Load at 15.58	7.52, 9.52, 11.58, 13.58

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

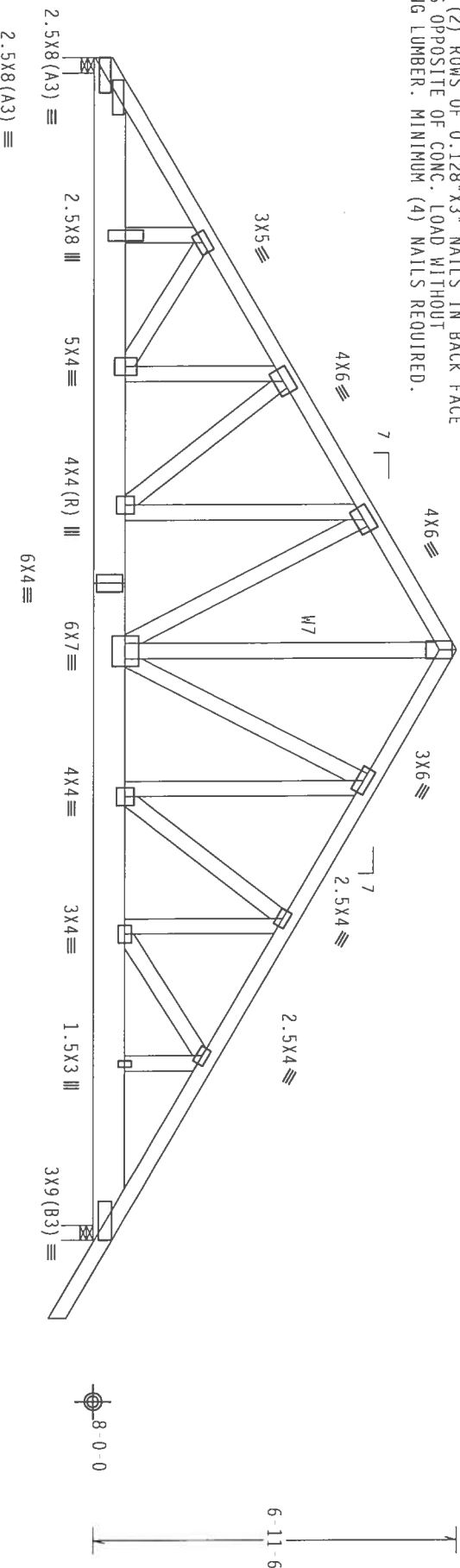
* CLUSTER (2) ROWS OF 0.128"x3" NAILS IN BACK FACE OF TRUSS OPPOSITE OF CONC. LOAD WITHOUT SPLITTING LUMBER. MINIMUM (4) NAILS REQUIRED.

3 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 @3.50" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. 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 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



R=7984 U=859 W=3.5"

-22-7-0 Over 2 Supports

R=5934 U=639 W=3.5"

PLT TYP. Wave

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

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

7.25.0508-23 CENSE EPOXY:1

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

Scale = .3125"/Ft.

-WARNING- ** THIS BUILDING EXHIBITS EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND PROTECTING TO MEET THE FOLLOWING COMPONENT SAFETY INFORMATION. PUBLISHED BY THE CROSS PANEL INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK BOON TRUSS COMPANY, OF AMERICA, 6500016, ENTERPRISE LAKE, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING JIST OF ACTIONS. UNDESSED OTHERWISE, INDICATED FOR CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CELLING.

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

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

CONNECTOR PLATES ARE MADE OF 20/18/16GA (W, H, S, K) ASTM A653 GRADE 40/60 (W, 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 BUILDING DESIGNER OR ARCHITECT. A ECG 2

100

ITW Building Components Group, Inc.
Haines City, FL 33844
E1 Certificate of Authorization 4

FI Certification of Authorization # 567

000

ARTHUR R. FISHER
No. 59687
STATE OF CALIFORNIA
CIVIL ENGINEER

Jan 31 '07

TC LL	20.0 PSF	REF	R487 - 93399
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCSR487 07030031
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	109731 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF -	1T4G487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W2 2x4 SP #2 Dense:

Wind reactions based on MWFRS pressures.

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

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

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER. CONNECTIONS SHALL BE FROM THE ROOF DIAPHRAGM TO THE CEILING DIAPHRAGM. THIS TRUSS IS NOT DESIGNED FOR LATERAL WIND PRESSURE APPLIED TO THE FACE. ANY LATERAL LOAD FROM WIND MUST BE TRANSFERRED TO THE BUILDING DIAPHRAGMS. LATERAL BRACING FOR WIND TO BE DESIGNED AND FURNISHED BY OTHERS.

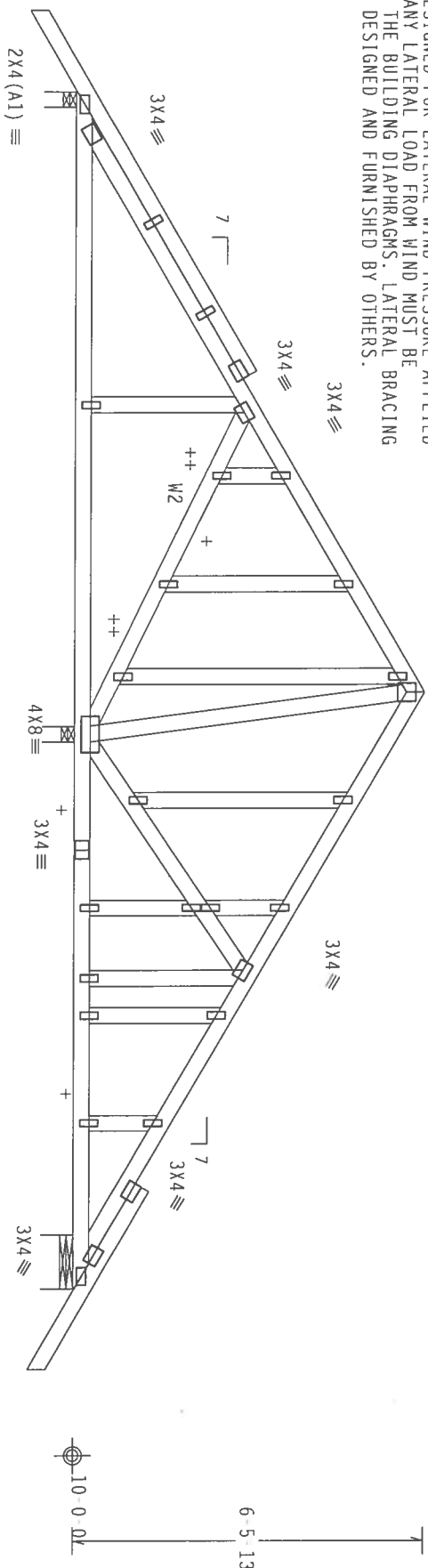
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Truss spaced at 24.0" OC designed to support 1.6-0 top chord outlookers. Cladding load shall not exceed 10.00 psf. Top chord must not be cut or notched.

See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

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

+MEMBER TO BE BRACED BY PROPERLY ATTACHED SHEATHING OR PURLINS @ 24" OC. CHORD ENDS TO BE Laterally Braced.



1'-6 0"
0'-5 11"
4'-9 13"
11'-10 4"
5'-9 8"
22'-2 0" Over 3 Supports
9'-1 9"
1'-5 10 5 11"
1'-6 0"
R=711 U-180 W-3.5"
R=2137 U-258 W-3.5"
R=552 U-180 W-12"

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)

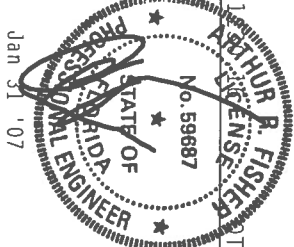
7.24.1

Scale = .3125"/Ft.

WARNING TRUSSES, IN QUOTE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSTI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 2100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6100 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS DESIGN CONFORMS WITH THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

ALPINE BUILDING COMPONENTS GROUP, INC. HAINES CITY, FL 33844
F1 Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487-- 93401
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030033
BC LL	0.0 PSF	HC-ENG	MMW/AF
TOT.LD.	40.0 PSF	SEQN-	149370 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF	174G487_201

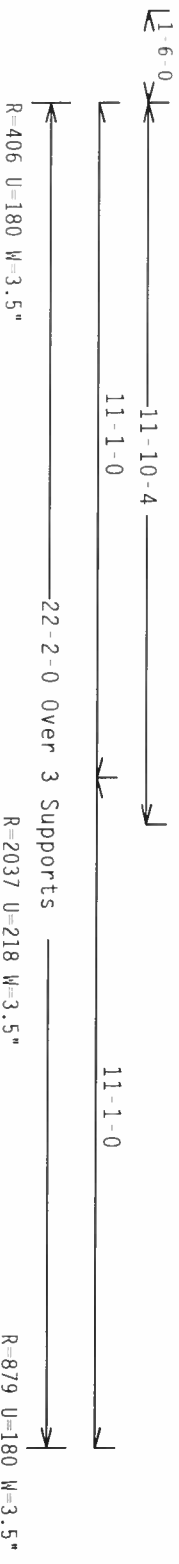
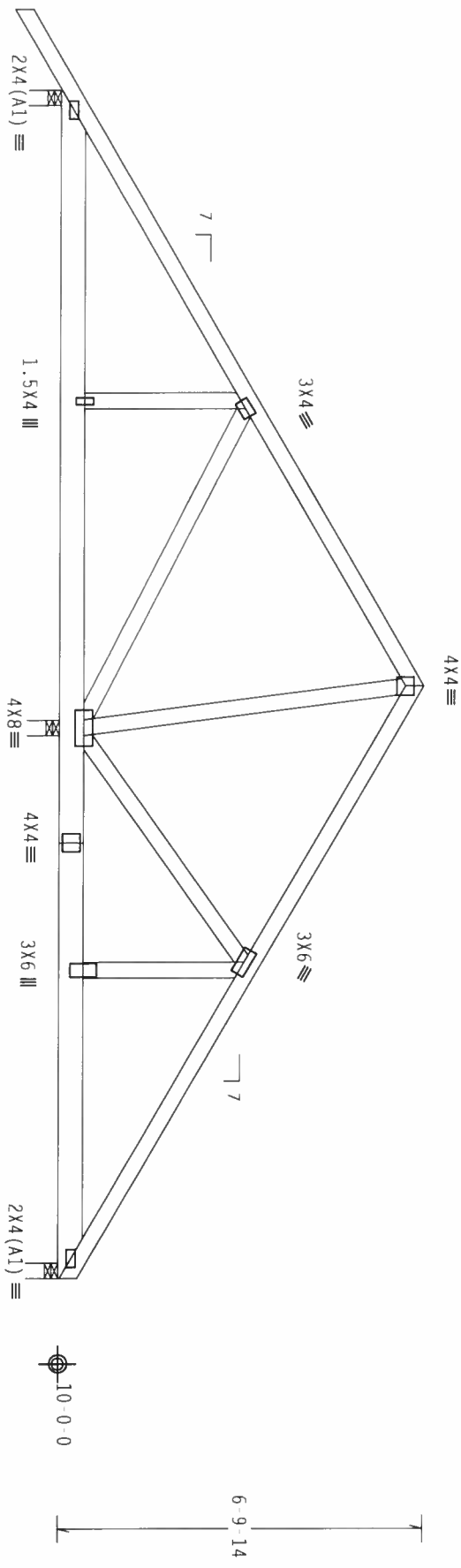
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 63 PLF at 1.50 to 63 PLF at 11.08
TC - From 63 PLF at 11.08 to 63 PLF at 22.17
BC - From 5 PLF at 1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 22.17
BC - 225 LB Conc. Load at 12.90, 20.64
BC - 308 LB Conc. Load at 14.90, 16.90, 18.90

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

Trusses or components connecting to this girder have been modified by the truss designer. The loading for this girder requires verification for accuracy.
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
Wind reactions based on MWFRS pressures.
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



PLT TYP. Wave

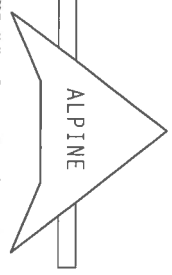
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10.0)

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

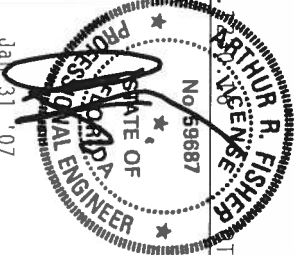
Scale = .3125"/Ft.

WARNING TRUSSES BEARING EXISTING LOADS IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. REFER TO DCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.



JTW Building Components Group, Inc.
Haines City, FL 33844
F1 Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 93402
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030034
BC LL	0.0 PSF	HC-ENG	MMN/AF
TOT.LD.	40.0 PSF	SEON-	149515
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1746487_201

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

Wind reactions based on MMFRS pressures.

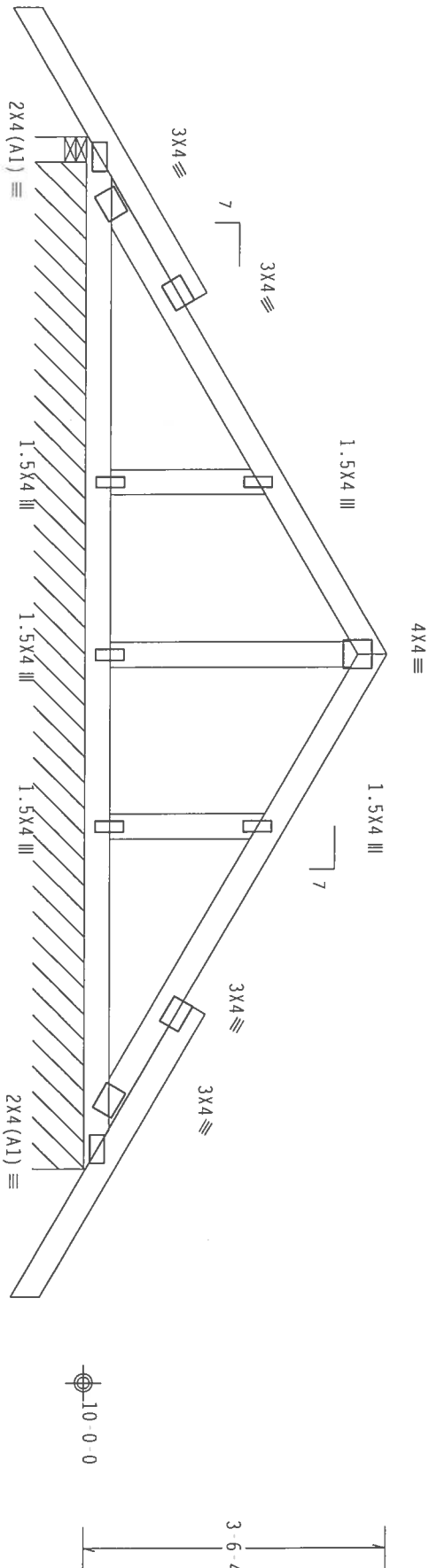
See DWGS A11015EE1106 & GBLETTIN1106 for more requirements.

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.

Truss spaced at 24.0" OC designed to support 1 6 0 top chord
outlookers. Cladding load shall not exceed 10.00 PSF. Top chord
must not be cut or notched.

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



R-316 U-195 W=3.5"
R-126 PLF U=26 PLF W=11 8-8

PLT TYP. Wave

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

PLT TYP. Wave

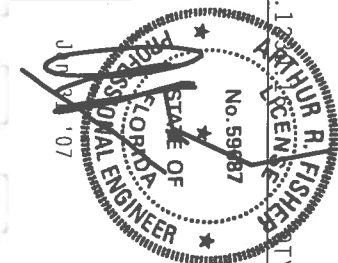
Scale = .5"/ft.

****WARNING**** TRUSSES REQUIRE EXCELLENT CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN CONTRACTORS WITH APPLICABLE PROVISIONS OF THIS (OPTIONAL) DESIGN SPEC. BY ALPINE AND TPI. ALPINE DESIGN GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. ANY INSPECTION OF PLATES FOLLOWS BY (1) SHALL BE PERFORMED BY TPI 2002 SEC. 3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE STABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
PI Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 93403
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030035
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	40.0 PSF	SEQN-	149359 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF	17AG487_201

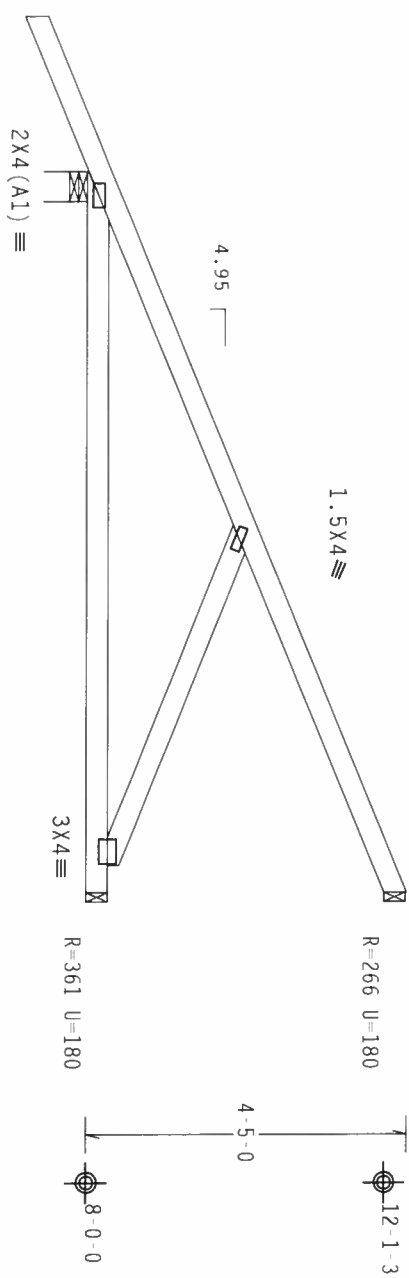
(6 395 Stanley Crawford Construc WILMOTH , ** HJ7)
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



← 2'-1-7 →

9'-10-13 Over 3 Supports
R=466 U=180 W 4.95"

PLT TYP. Wave

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

TY:1

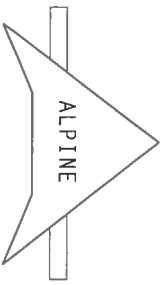
FL/-/4/-/R/-

Scale = .375"/ft.

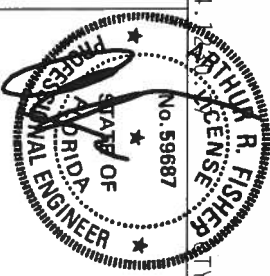
WARNING TRUSSES REQUIRE EXTERIOR CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DECS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF THE (NATIONAL DESIGN SPEC. BY AREA) AND TPI. ALPINE TRUSS COMPANY, INC. IS NOT RESPONSIBLE FOR THE DESIGN OF THE TRUSS OR THE STRUCTURE TO WHICH IT IS ATTACHED. ANY INSPECTION OF PLATES FOLLOWS BY (1) SHALL BE PERFORMED BY A SEPARATE DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



ITW Building Components Group, Inc.
Haines City, FL 33844
TPI Certificate of Authorization # 567



TC LL	20.0 PSF	REF R487-- 93405
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUSR487 07030002
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEON- 16234
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1746487_201

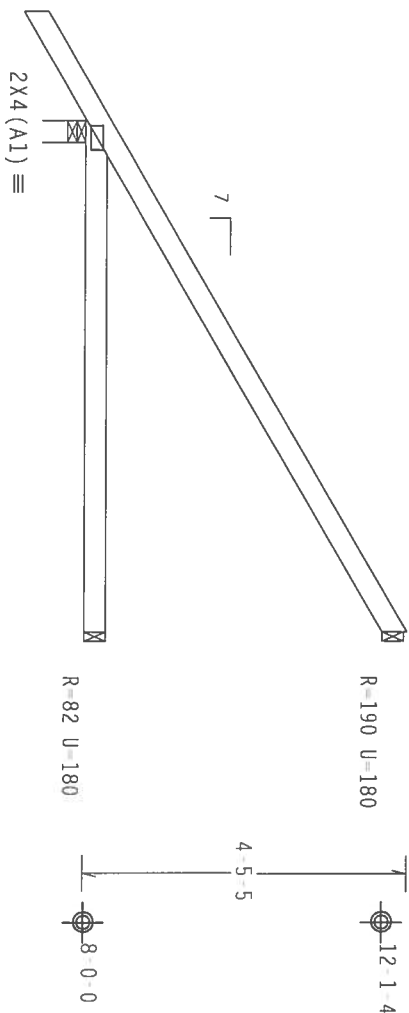
	Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense	

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.



7'-0" Over 3 Supports

PLT TYP. Wave

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

7.24.1

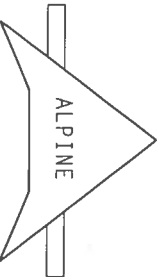
FL/14/1/R/

Scale = .375"/Ft.

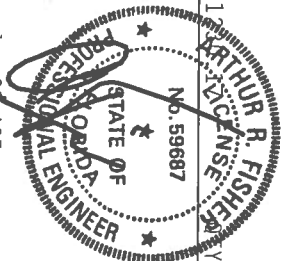
*WARNING: THESE LITERS CONTAIN EXTENSIVE INFORMATION, INCLUDING: DRIPPING, INSTALLING, AND PATCHING. RETURN TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY THE GIBBS PAPER INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICK (GOOD TRUSS COMPANY), 6300 ENTERPRISE LANE, HUNTSVILLE, AL 35719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE TOP GIBBS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GIBBS SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN CODE. NO PARTS AND NO MATERIALS SHALL BE USED UNLESS THEY ARE APPROVED BY THE BUILDING COMPONENTS GROUP, INC.

DESIGN INDICATOR PER MSSF, PART 1, SEC. 2



ITW Building Components Group, Inc.
Haines City, FL 33844
F1 Certificate of Authorization # 567

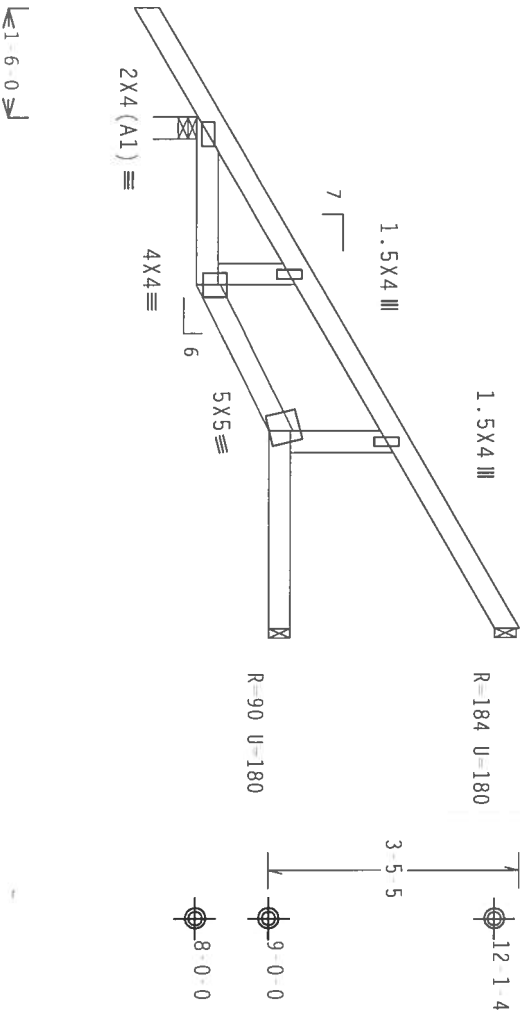


TC LL	20.0 PSF	REF	R487 - 93406
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUH487 0703006
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN	16202
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T4G487_201

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.

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



2-3-8 2-0-0 2-8-8
7-0-0 Over 3 Supports
R-415 U=180 W=3.5"

PLT TYP. Wave	Design Crit:
	TPI-2002 (STD) / FBc
	Cq/RT=1.00 (1.25)

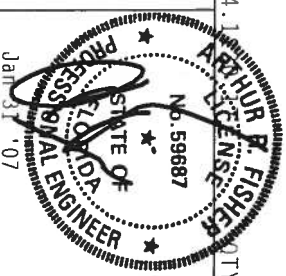
7.24.1
 COUNTY: 1 FL/-/4/-/R/-
 Scale = .375" / Ft.

WARNING THIS IS A DANGEROUS EXHAUST CATCHER IN OPERATION. HANDLING, SHIPPING, STORING AND PACKAGING OF THIS PRODUCT MUST BE ACCORDING TO THE FOLLOWING SAFETY PRECAUTIONS:

REFER TO MSDS (MATERIAL DATA SHEET) FOR INFORMATION. CONSULTED BY TPI CHESTNUT PLANT, INSITE-TITE, 218 HORTON LEE STREET, SUITE 312, ALXAMBRRIA, VA, 22139 AND WICA CONCRETE TRAVIS, CONICULT, OF AMERICA, 6300 ENTERPRISE LANE, 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 PROPERLY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 93407
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	H05R487 07030014
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	129748
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T4G487_201

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

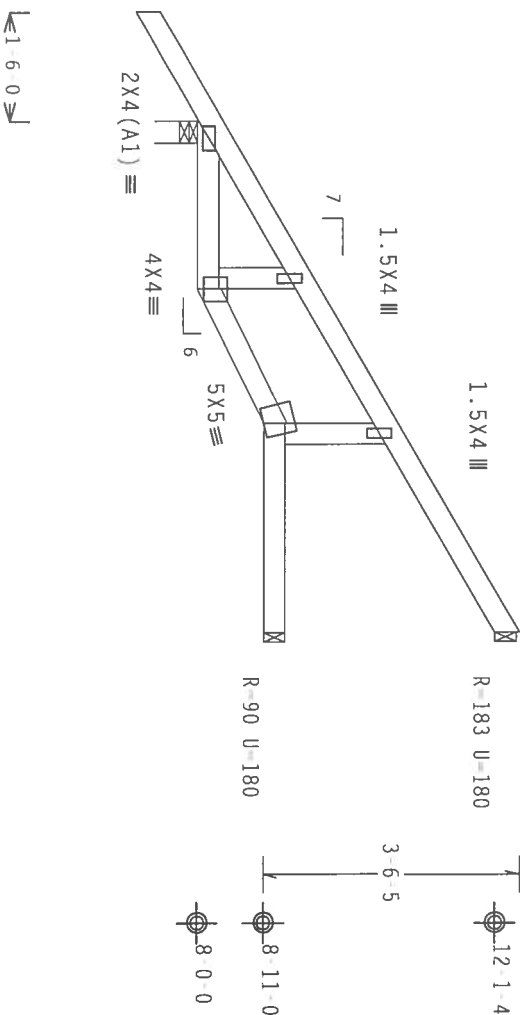
Deflection meets $L/240$ live and $L/180$ total load. Creep increase factor for dead load is 1.50.

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.

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



2-3-8 1-10-0 2-10-8
7-0-0 Over 3 Supports
R=415 U=180 W=3.5"

PLT TYP. Wave

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

7.24.1

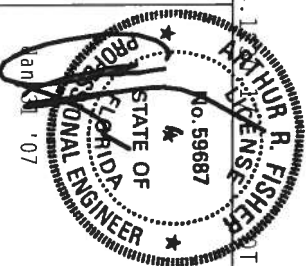
Scale = .375"/Ft.

WARNING *FALLS DURING EXISTING CARETAKING, MAINTENANCE, SHIPPING, INSTALLING, AND REPAIRING OF THE BUILDING COMPONENT SAFETY INFORMATION*. PUBLISHED BY THE (FIRMS PAPER INSTITUTE, 218 NORTH LEE STREET, SUITE 112, ALEXANDRIA, VA, 22314 AND WICK (GOOD TRUSS COMPANY OF AMERICA, 6300 ENTERPRISE LANE, HUNTSVILLE, AL 35893) FOR SAFETY PRACTICES PRIOR TO RECONSTRUCTING THESE STRUCTURES. UNLESS OTHERWISE INDICATED THE GOOD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GOOD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

VTW Building Components Group, Inc.

FI Certificate of Authorization # 567



FL/-4/-/-/R/-		Scale=.375"/Ft.
TC LL	20.0 PSF	REF R487 - 93408
TC DL	10.0 PSF	DATE 01/30/07
BC DL	10.0 PSF	DRW HCUR487 07030012
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 16238
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T4G487_Z01

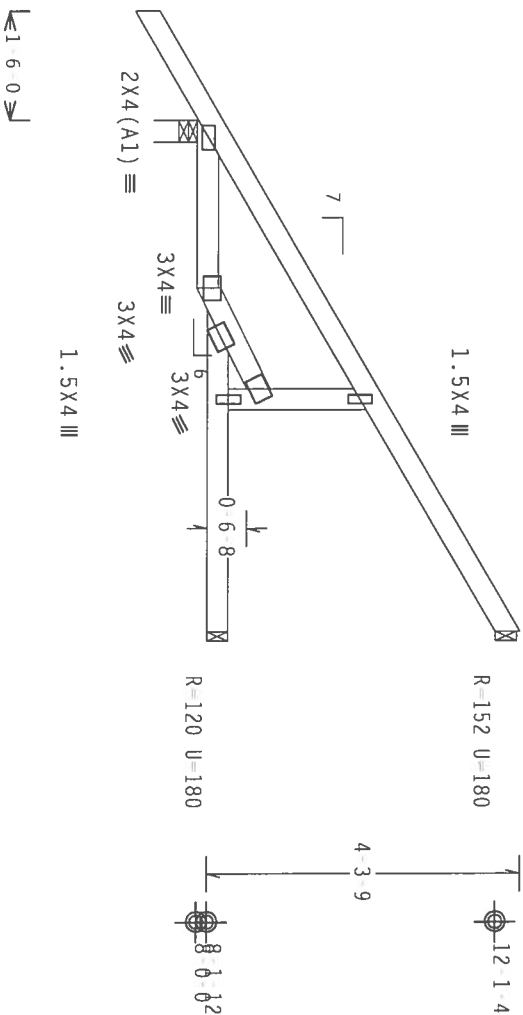
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #2 Dense

Wind reactions based on MWFRS pressures.

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

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

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



2'-3'-8" 1'-4'-9" 3'-3'-15"
7'-0'-0" Over 3 Supports
R-413 U=180 W=3.5"

PLT TYP. Wave

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

7.24.1

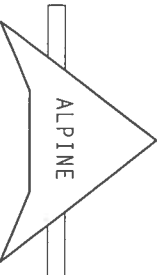
FL/-/4/-/R/-

Scale = .375" / Ft.

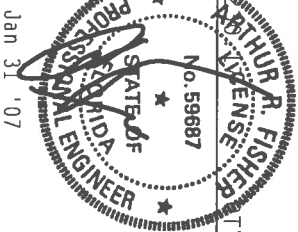
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
REFER TO DECSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6300
ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENTS
GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES
IN CONFORMANCE WITH THE TYP. OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGNER'S NOTE: THE TRUSSES ARE TO BE FABRICATED AND SHIPPED TO THE PROJECT BY THE TRUSS MANUFACTURER. THE TRUSSES
SHALL BE DELIVERED TO THE PROJECT WITH ALL NECESSARY BRACING AND SHORING. THE TRUSSES SHALL BE
CONNECTION PLATES ARE PROVIDED FOR THE TRUSSES. THE TRUSSES SHALL BE DELIVERED TO THE PROJECT WITH ALL
NECESSARY BRACING AND SHORING. THE TRUSSES SHALL BE DELIVERED TO THE PROJECT WITH ALL NECESSARY
BRACING AND SHORING. THE TRUSSES SHALL BE DELIVERED TO THE PROJECT WITH ALL NECESSARY BRACING AND
SHORING. THE TRUSSES SHALL BE DELIVERED TO THE PROJECT WITH ALL NECESSARY BRACING AND SHORING.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 13.5.1.1
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 AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 13.5.1.1.



ITW Building Components Group, Inc.
Haines City, FL 33844
Certification # 567



TC LL	20.0 PSF	REF	R487 - 93409
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030015
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	16250
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	17AG487_201

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

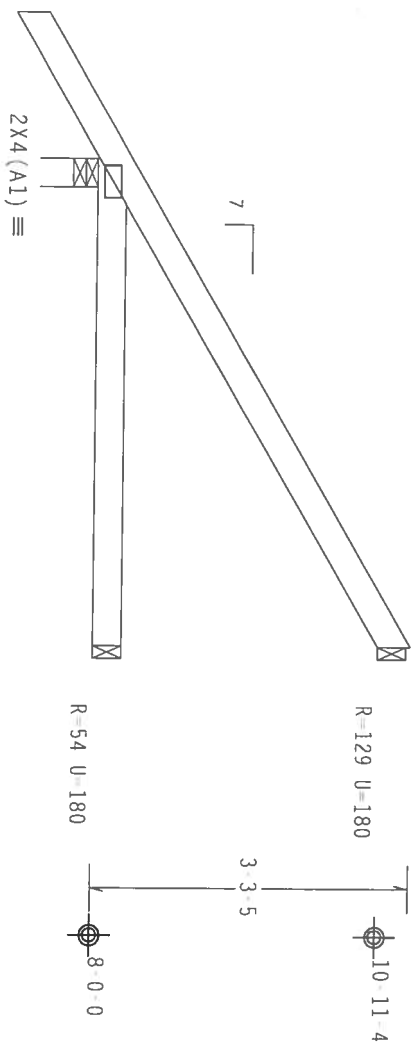
Wind reactions based on MMFRS pressures.

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"→

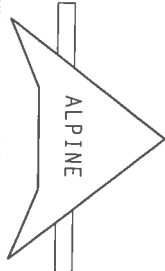
←5'-0'-0" Over 3 Supports →
R=335 U=180 W=3.5"

PLT TYP. Wave

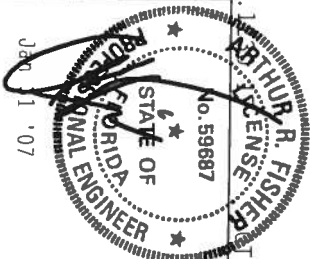
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE BUILDING CODES FOR SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 6300 OBERLIN DRIVE, HOUSTON, TX 77036. (504) 761-1111. TRUSS SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE NOTED, ALL DIMENSIONS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** PROVIDE A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENTS IN CONFORMANCE WITH TPI OR FABRICATING MANUFACTURER'S DESIGN SHALL BE USED TO BUILD THE TRUSS. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF WCA, NATIONAL DESIGN SPECIFICATIONS FOR WOOD TRUSSES, AIRPLANE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SS/TS) ASH A653 GRADE 40/50 (W/H/SS/TS) STEEL. AIRPLANE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING. PROVIDE ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMEX AS OF TPI 2002 SEC.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMSI/TPI 1 SEC. 2.



TW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567



FL / - / 4 / - / - / R / -				Scale = .5" / Ft.	
TC LL	20.0 PSF	REF	R487 -	93410	
TC DL	10.0 PSF	DATE	01/30/07		
BC DL	10.0 PSF	DRW	HCSR487	07030003	
BC LL	0.0 PSF	HC-ENG	JB/AF		*
TOT.LD.	40.0 PSF	SEGN-	16206		
DUR.FAC.	1.25				
SPACING	24.0"	URFF-	1T4G487	201	

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

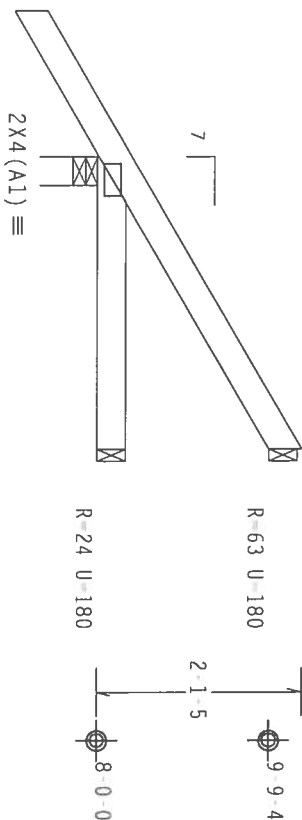
Wind reactions based on MMFRS pressures.

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, 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 purtins 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→

3 0 0 Over 3 Supports
R-265 U=180 W=3.5"

PLT TYP. Wave

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

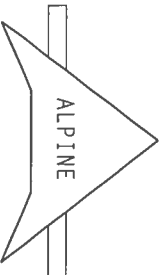
7.24.1

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

Scale =.5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH ILL. STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 6200 CHERRYHURST LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENTS GROUP, 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 RMS (QUALITY DESIGN SPEC. BY AIA/RAI AND TPI. ALPINE DESIGN GROUP, INC. 2010 HIGHWAY 10, SUITE 100, ALPINE, CA 91901. (760) 821-5511. FAX: (760) 821-5512. E-MAIL: ALPINE@ALPINEDESIGN.COM. WWW.ALPINEDESIGN.COM. ANY DEVIATION FROM THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE DESIGNER. ANY INSPECTION OF PLATES FOLLOWS BY (1) SHALL BE PERFORMED BY AN ENGINEER OR ARCHITECT. ANY DEVIATION FROM THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2



ITW Building Components Group, Inc.
Haines City, FL 33844

ETI Certification # 567



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

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

Scale =.5"/Ft.

TC LL 20.0 PSF REF R487- 93411

TC DL 10.0 PSF DATE 01/30/07

BC DL 10.0 PSF DRW HCUSR487 07030004

BC LL 0.0 PSF HC-ENG JB/AF *

TOT.LD. 40.0 PSF SEON- 16211

DUR.FAC. 1.25

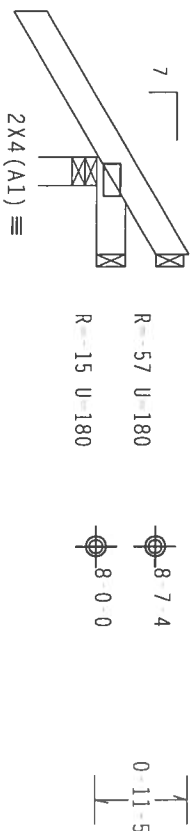
SPACING 24.0" JREF- 1T4G487_201

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, 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.



$\leftarrow 1 \cdot 6 \cdot 0 \rightarrow$
 1 0 0 Over 3 Supports
 \leftarrow
 $R=257 \quad U=180 \quad W=3.5^{\circ}$

PLT TYP. Wave

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

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

7.24.1

PROPERTY: I

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

Scale = .5"/Ft.

[illegible]

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

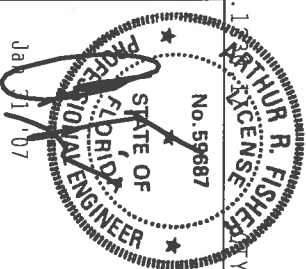
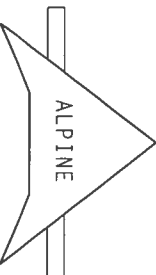
IN CONFORMANCE WITH IP1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

CONNECTOR PLATES ARE MADE OF 20/10/16GA (W,H/SS/K) ASIM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND SURFACE OF RIBS OF DECK ON THIS DESIGN. POSITION PER DRAWING 1000.

ANY INSPECTION OR PLAITS FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUE COMPLETION OF THE PROJECT.

DESIGN NOTE: THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PTR AYS1/TP1 1 SEC. 2

JWTW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization



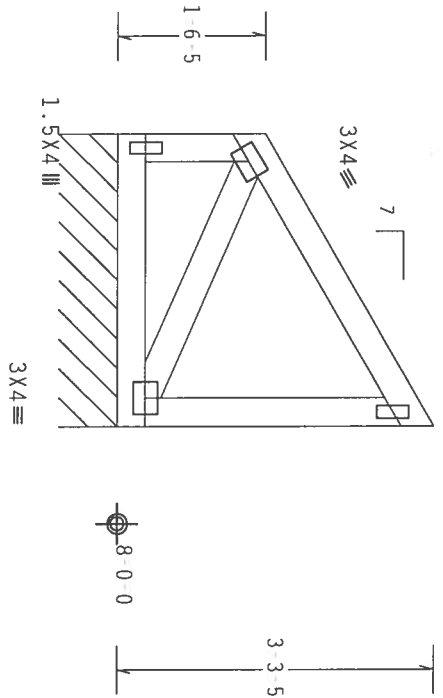
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TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030005
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN	16214
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T4G487_201

(6 395--Stanley Crawford Construc WILMOTH .*** - M4)
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.
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



3 0 0 Over Continuous Support
R 83 PLF U-60 PLF W-3 0 0

PLT TYP. Wave

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

7.24.1

FL/-/4/-/R/-

Scale = .5"/ft.

<div><div><div>ALPINE</div></div><div><div>JTW Building Components Group, Inc.</div><div>Haines City, FL 33844</div><div>Certificate of Authorization # 567</div></div></div>		<div><div><div>No. 59687</div><div>STATE OF FLORIDA</div><div>PROFESSIONAL ENGINEER</div></div><div><div>Jan 31 '07</div></div></div>		<table><tr><td>TC LL</td><td>20.0 PSF</td><td>REF</td><td>R487--</td><td>93413</td></tr><tr><td>TC DL</td><td>10.0 PSF</td><td>DATE</td><td>01/30/07</td><td></td></tr><tr><td>BC DL</td><td>10.0 PSF</td><td>DRW</td><td>HCUSR487</td><td>07030011</td></tr><tr><td>BC LL</td><td>0.0 PSF</td><td>HC-ENG</td><td>JB/AF</td><td>*</td></tr><tr><td>TOT.LD.</td><td>40.0 PSF</td><td>SEQN-</td><td>129672</td><td></td></tr><tr><td>DUR.FAC.</td><td>1.25</td><td></td><td></td><td></td></tr><tr><td>SPACING</td><td>24.0"</td><td>JREF</td><td>1TAG487</td><td>201</td></tr></table>				TC LL	20.0 PSF	REF	R487--	93413	TC DL	10.0 PSF	DATE	01/30/07		BC DL	10.0 PSF	DRW	HCUSR487	07030011	BC LL	0.0 PSF	HC-ENG	JB/AF	*	TOT.LD.	40.0 PSF	SEQN-	129672		DUR.FAC.	1.25				SPACING	24.0"	JREF	1TAG487	201
TC LL	20.0 PSF	REF	R487--	93413																																						
TC DL	10.0 PSF	DATE	01/30/07																																							
BC DL	10.0 PSF	DRW	HCUSR487	07030011																																						
BC LL	0.0 PSF	HC-ENG	JB/AF	*																																						
TOT.LD.	40.0 PSF	SEQN-	129672																																							
DUR.FAC.	1.25																																									
SPACING	24.0"	JREF	1TAG487	201																																						

(6 395 Stanley Crawford Construc WILMOTH .*** MGE)
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MMFRS pressures.

Truss spaced at 24.0" OC designed to support 1 4-0 top chord
outlookers. Cladding load shall not exceed 10.00 PSF. Top chord
must not be cut or notched.

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

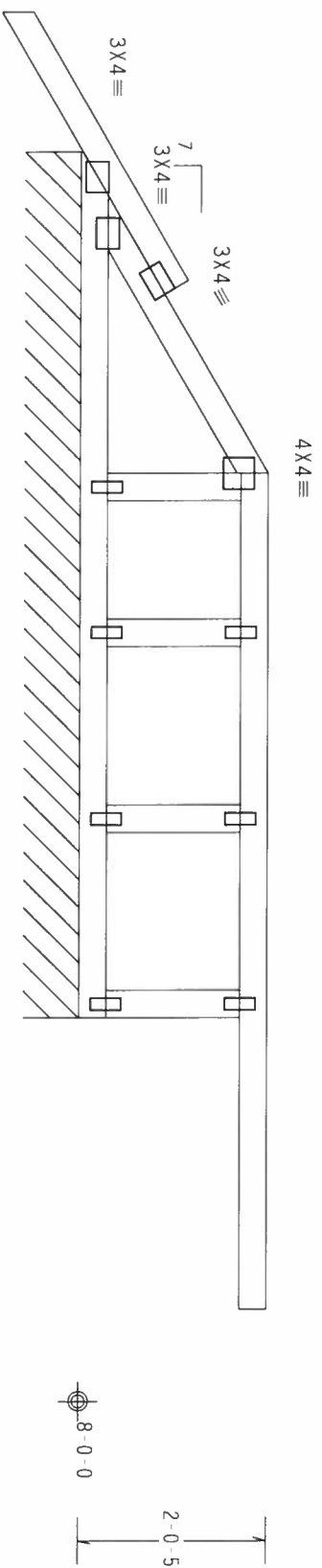
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf.

Right end vertical not exposed to wind pressure.

See DWGS A11015EE0405 & GBLETTIN0405 for more requirements.

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

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



R-159 PLF W=9-3-8

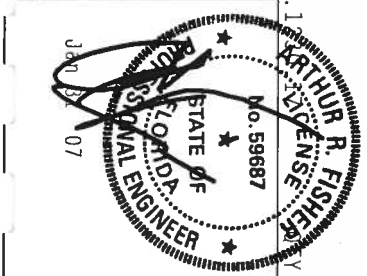
Note: All Plates Are 1.5X4 Except As Shown.

PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING.
BEFORE TO BE SET. (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218
NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AFCA (WOOD TRUSS COUNCIL OF AMERICA, 6300
ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS
OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE
A PROPERLY ATTACHED RIGID CEILING.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
PI Certificate of Authorization # 567



FL/-/4/-/-/R/-	Scale = .5"/ft.
TC LL 20.0 PSF	REF R487-- 93414
TC DL 10.0 PSF	DATE 01/30/07
BC DL 10.0 PSF	DRW HCUSR487 07030016
BC LL 0.0 PSF	HC-ENG JB/AF
TOT.LD. 40.0 PSF	SECN- 129737 REV
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 17AG487_201

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

Wind reactions based on MWFRS pressures.

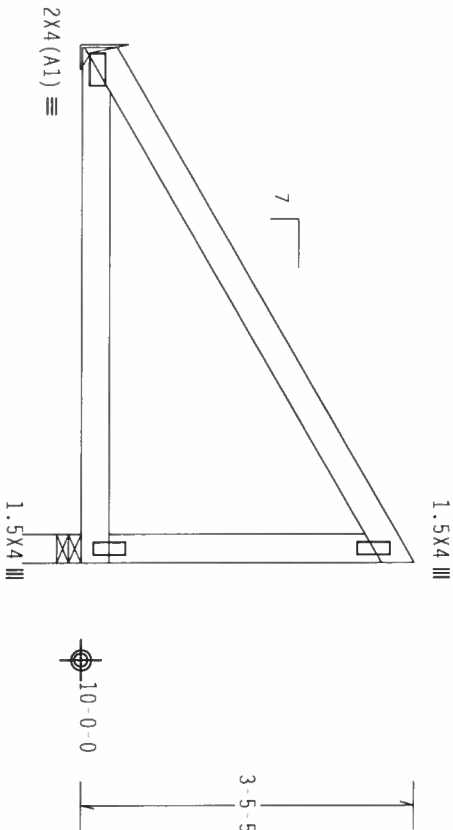
(J) hanger connection not found in inventory file for this condition. Provide connection.

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.



PLT TYP. Wave

Design Crit: TPI-2002 (STD) / FBC

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

7.24.1

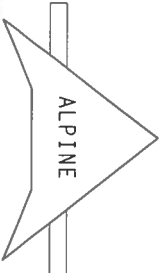
QTY: 1 FL/-/4/-/-/R/-

Scale = .5"/ft.

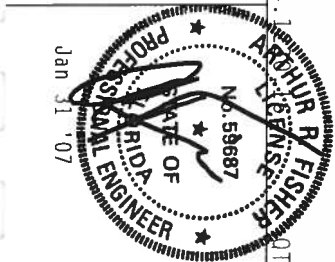
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE INTERNATIONAL BUILDING CODE, AS AMENDED BY THE ALPINE CONNECTION PLATES ARE MADE OF 2010/01/06 (4/1/55/17) ASTM A563 GRADE 40/60 14. K11153-14-11. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) DRAWING 100A-2.



ITW Building Components Group, Inc.
Haines City, FL 33844
PI Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 93415
TC DL	10.0 PSF	DATE	01/30/07
BC DL	10.0 PSF	DRW	HCUSR487 07030020
BC LL	0.0 PSF	HC-ENG	MMW/AF
TOT. LD.	40.0 PSF	SEON	149373
DUR. FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF	1746487_201

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

Wind reactions based on MMFRS pressures.

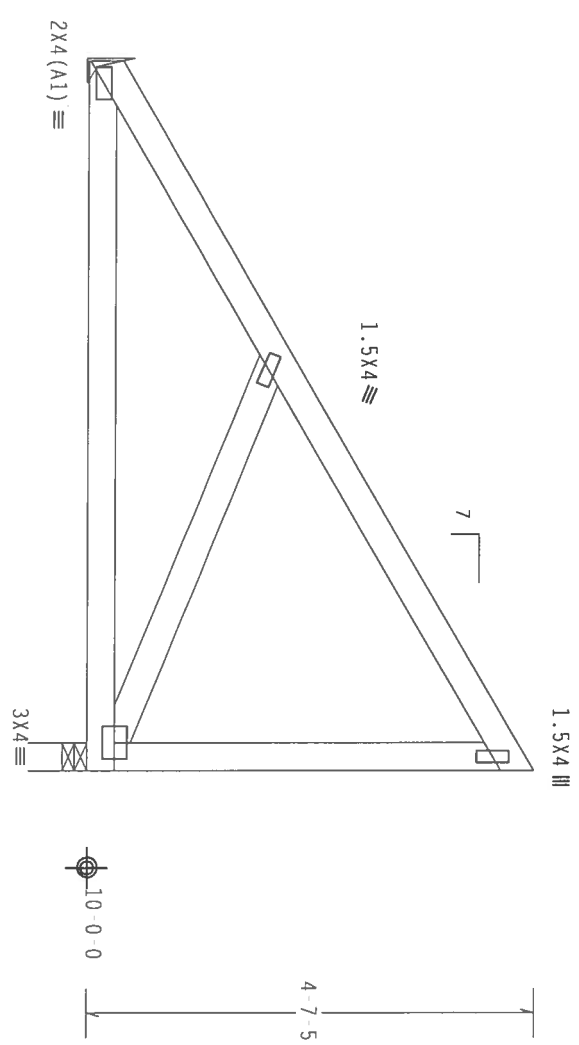
(J) hanger connection not found in inventory file for this condition. Provide connection.

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.

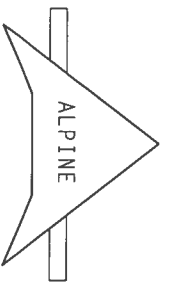


7-3 8 Over 2 Supports
R=308 U=180 (J)
R=298 U=180 W=3.5"

PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSEI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONTRACTORS WITH APPLICABLE PROVISIONS OF NOS (NATIONAL DESIGN SPEC. BY AREA) AND TPI. ALPINE GROUP SHALL BE RESPONSIBLE FOR THE DESIGN, CONSTRUCTION AND INSTALLATION PER DRAWINGS T004.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED BY AN INSPECTOR QUALIFIED TO INSPECT TRUSSES. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE BUILDING COMPONENTS DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

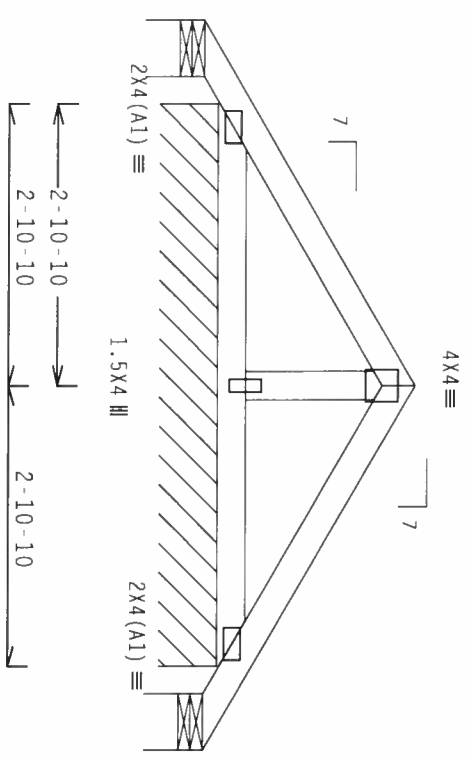
Wind reactions based on MWFRS pressures.

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

110 mph wind, 19.37 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.

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



18-3-3

2-0-8

R=6 U=180 W=6.946"
R=83 PLF U=31 PLF W=5-9-4
R=6 U=180 W=6.946"

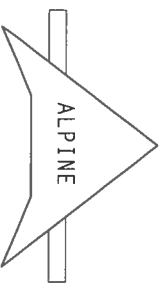
PLT TYP. Wave

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

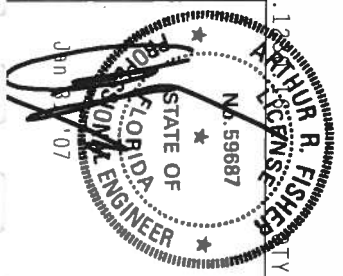
WARNING TRUSSES REQUIRE EXTERIOR CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPT (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TRUSS OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONTRACTS ARE MADE OF 2019/10/18 (U.S.A.S.S.) ASH 8053 GRADE 40/60 (W. E.H.S.S) GALV. STEEL. STEEL, ALPINE CONSTRUCTION, INC. SHALL BE RESPONSIBLE FOR THE DESIGN, POSITION PER DRAWINGS 1000, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.



ITW Building Components Group, Inc.
Haines City, FL 33844
Certified Authority # 567



TC LL	20.0 PSF	REF R487 - 93418
TC DL	10.0 PSF	DATE 01/30/07
BC DL	2.0 PSF	DRW HCUSR487 07030023
BC LL	0.0 PSF	HC-ENG MNM/AF
TOT.LD.	32.0 PSF	SEON- 149476
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1746487_201

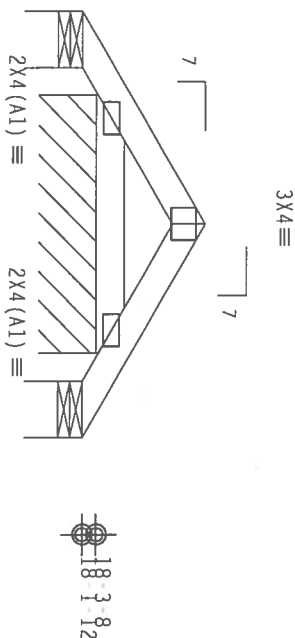
Scale = .5"/ft.

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

110 mph wind, 18.78 ft mean ht, 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.

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



$$\begin{array}{l} \leftarrow 4-4-7 \text{ Over 3 Supports } \rightarrow \\ R=19 \text{ U}=180 \text{ W}=6.946'' \\ R=82 \text{ PLF U}=68 \text{ PLF W}=2-7-11 \end{array}$$

PLT TYP. Wave

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

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

7.24.12

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

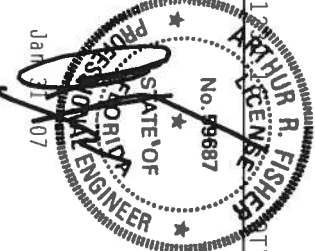
Scale = .5" / Ft.

WARNING: FIRE'S RESISTING CAPABILITY, HANDLING, CUTTING, INSTALLING AND DRILLING REFER TO NC-1 (INCLUDING COMPLIANT SAFETY INFORMATION), PUBLISHED BY TPI (TRESS PASTE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PERTAINING TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, FOR GIRDOR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM GIRDOR SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

MTW Building Components Group, Inc.

FI Certificate of Authorization # 567

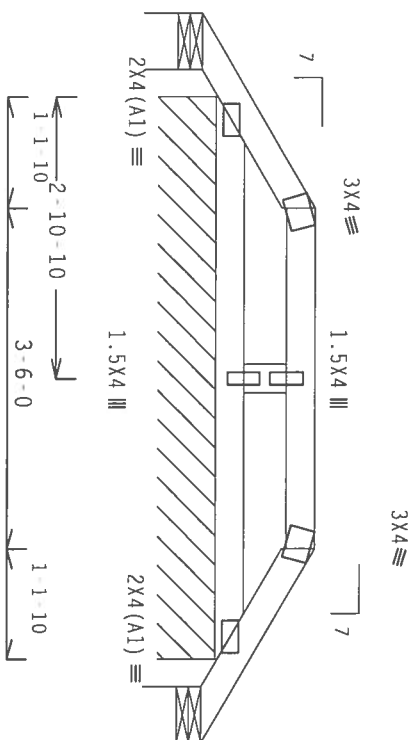


TC LL	20.0 PSF	REF	R487 - 93419
TC DL	10.0 PSF	DATE	01/30/07
BC DL	2.0 PSF	DRW	HGUSR487 07030024
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	32.0 PSF	SEQN-	149499
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487 Z01

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

Refer to DWG PIGBACK0405 or PIGBACKB0405 for piggyback details. TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 18.78 ft mean ht, 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.



104

$R_{16} = 180$ W = 6.946"
 $\xleftrightarrow{760}$
 Over 3 Supports
 $\xleftrightarrow{R_{16} = 180}$
 W = 6.946"

PLT TYP. Wave

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

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

7.24.1

PROPERTY: 1

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

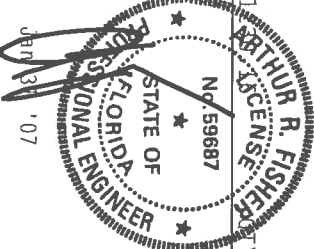
Scale = .5"/Ft.

WARNING - RIESSES BRIDGING THE CRACK IN IDENTIFICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESI (DOWLING EQUIPMENT SPECIFIC INFORMATION). PUBLISHED BY THE (FROSS PAPER INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NICA (WOOD RESEARCH COUNCIL OF AMERICA, 6500 CREEKVIEW LANE, SUITE 401, FALLS CHURCH, VA, 22044) FOR SAFETY PRACTICES PRIOR TO REFORMING THESE FIBERS. UNDESIRABLE INDICATED FOR GIBBO SHALL HAVE PROPERLY ATTACHED STRUTS, PANELS AND BOTTOM GIBBO SHALL HAVE A PROPERLY ATTACHED RIGID GELING.

ALPINE

JTW Building Components Group, Inc.

FI Certificate of Authorization # 567



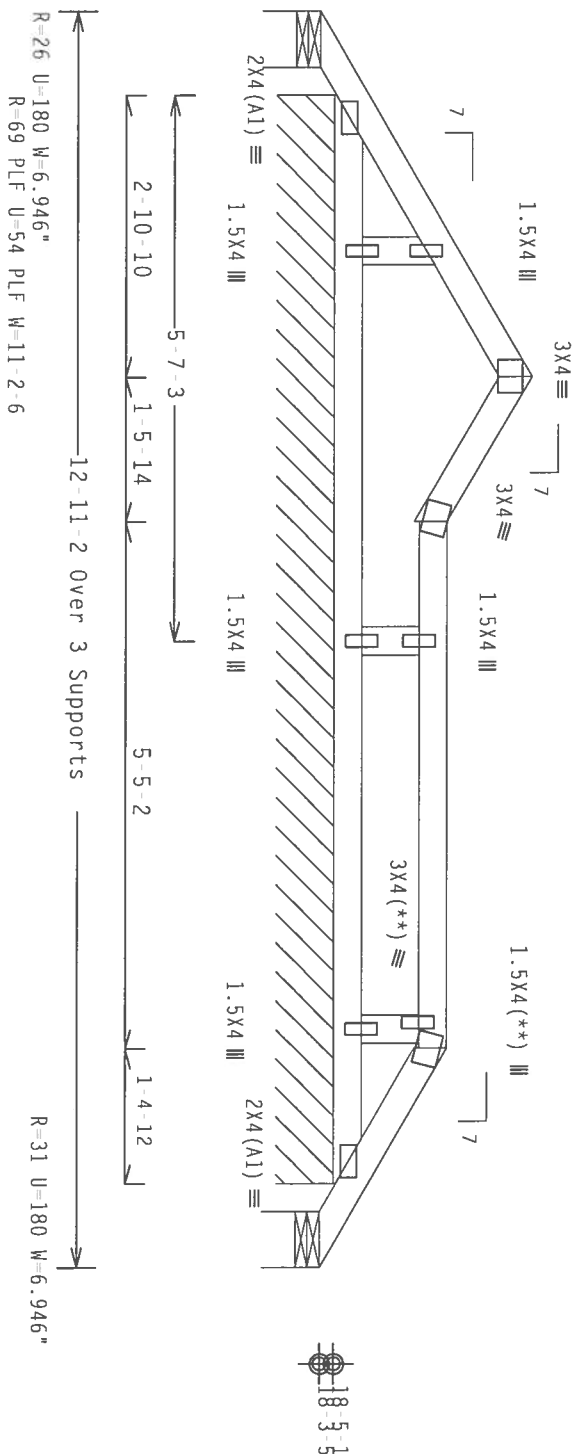
TC LL	20.0 PSF	REF	R487 - 93420
TC DL	10.0 PSF	DATE	01/30/07
BC DL	2.0 PSF	DRW	HCUSR487 07030025
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	32.0 PSF	SEQN-	149473
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF -	IT4G487_201

Refer to DWG PIGBACK0405 or PIGBACKB0405 for piggyback details. TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 18.78 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT 11, Exp B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

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

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



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

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

7.24.1

$$FL/4/R/$$

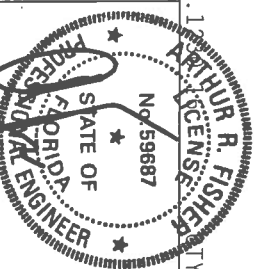
Scale = .5"/Ft.

WARNING TRUSSES REQUIRE EXISTENCE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO NC31 (BUILDING COMPONENT SPECIFIC INFORMATION), PUBLISHED BY THE TRUSS PLATING INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314 AND NICKEL AND NICKEL (WOOD TRUSS) COUNCIL OF AMERICA, 65000 ENTERPRISE LANE, HANOVER, MI 48190 FOR SAFETY PRECAUTIONS PRIOR TO TRUSS CONSTRUCTION. UNDESIGNED OR OTHERWISE INDICATED TOP CHORD SAILS HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SAILS HAVE PROPERLY ATTACHED RIGID CEILING.

ALPINE

JTW Building Components Group, Inc.

FI Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 93421
TC DL	10.0 PSF	DATE	01/30/07
BC DL	2.0 PSF	DRW	H05R487 07030026
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	32.0 PSF	SEQN	149479
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF	1T4G487_201

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

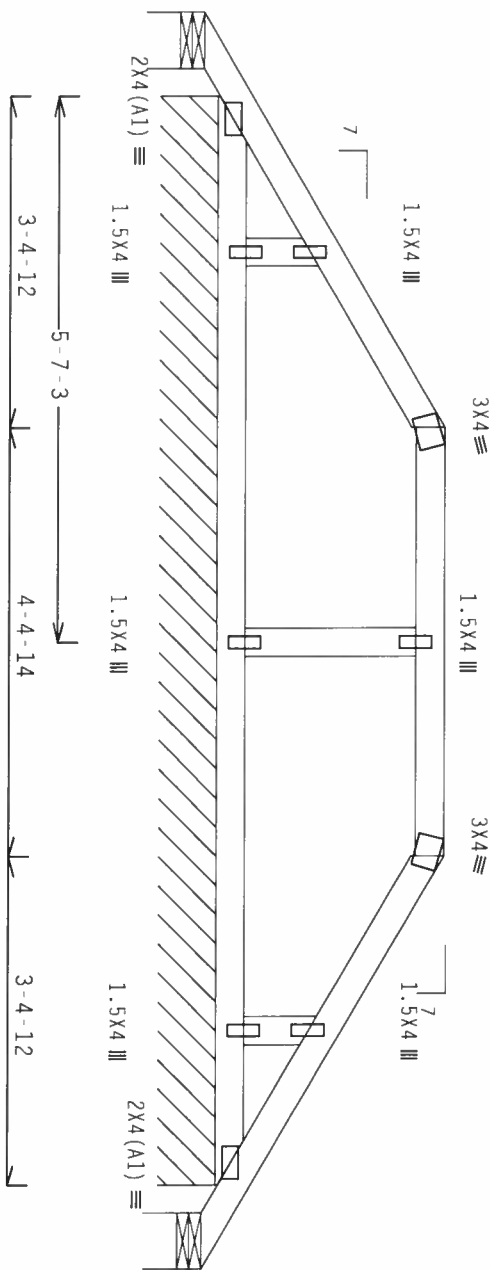
Wind reactions based on MMFRS pressures.

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

Refer to DWG PIGBACK0405 or PIGBACK0405 for piggyback details. TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 19.52 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.

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



R=29 U=180 W=6.946"
R=69 PLF U=21 PLF W=11.2-6

R=29 U=180 W=6.946"

PLT TYP. Wave

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

7.24.1

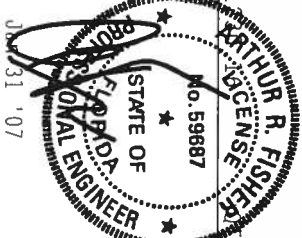
FL/-/4/-/-/R/-

Scale =.5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

ALPINE

RTW Building Components Group, Inc.
Haines City, FL 33844
F1 Certificate of Authorization # 567



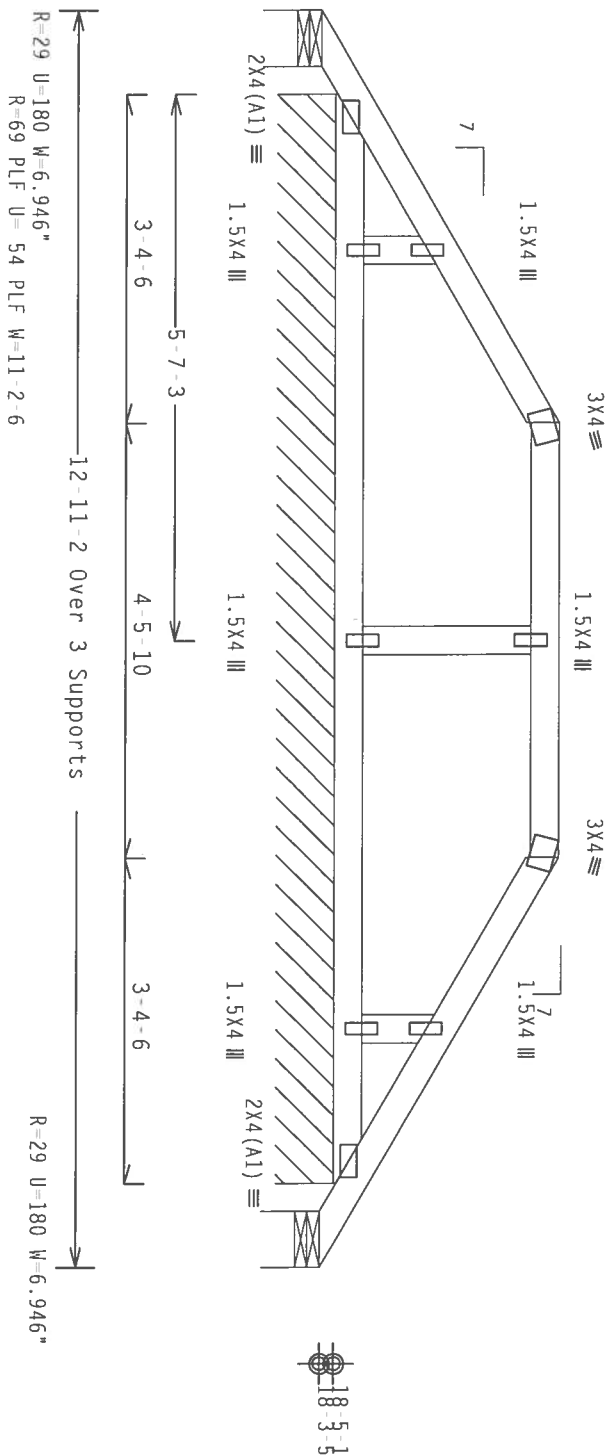
TC LL	20.0 PSF	REF	R487- 93422
TC DL	10.0 PSF	DATE	01/30/07
BC DL	2.0 PSF	DRW	HCSR487 07030027
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT. LD.	32.0 PSF	SEON-	149482
DUR. FAC.	1.25	FROM	JFB
SPACING	24.0"	UREF-	1T4G487_201

Refer to DWG PIGBACK0405 or PIGBACKB0405 for piggyback details. TOP CHORD OF SUPPORTING TRUSS UNDER PIGBACK TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 18.78 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.

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



PLT TYP. Wave

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

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

7.24.12

QTY:1

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

Scale = .5"/Ft.

WARNING ALL PARTS (BOLTING, EXTERIOR CASE, IN FABRICATION, HANDLING, SHIPPING, INSTALLING, AND BRACING) REFERRED TO HEREIN (INCLUDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TROSS PATTERN INSTITUTE, 219 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICK (WICK INDUSTRIES, INC., 65000 WICK AVENUE, WICK, MINN. 55391) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

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

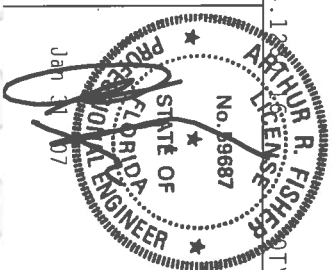
PLATE'S TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 1604.2 CONNECTION PLATE ARE MADE OF 20/18/1604 (W.H/55/K) ASIM A653 GRADE 40/60 (W. K/H.55) GALV. STEEL. APPLY

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

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ITW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization # _____

F1 Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 93423
TC DL	10.0 PSF	DATE	01/30/07
BC DL	2.0 PSF	DRW	HCUSR487 07030028
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	32.0 PSF	SEQN-	149485
DUR.FAC.	1.25	FROM	JTB
SPACING	24.0"	JREF -	174G487_201

Refer to DWG PIGBACK0405 or PIGBACKB0405 for piggyback details. TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

Wind reactions based on M/FRS pressures.

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



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

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

7.24.13

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

Scale = .5"/Ft.

WARNING—FIRE'S BUILDING EXISTING CASE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING REFER TO GC'S (BUILDING CONTRACTOR) SAFETY INFORMATION, PUBLISHED BY TPI (TPI'S PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. LAKE STREET, SUITE 312, ALEXANDRIA, VA, 22314) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

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

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

CONDUCTION PLATES ARE MADE OF 20/18/106GA (H, H/SS/K) ASTM A653 GRADE 40/60 (H, K/H, SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF THICKNESS AND UNIFORMLY LOCATED ON EACH FACE. POSITION AND NUMBERING ARE:

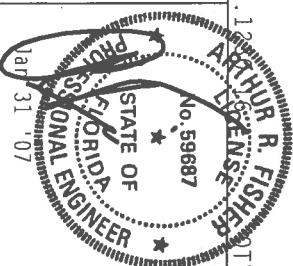
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

100

JTW Building Components Group, Inc.
Haines City, FL 33844
FI Certificate of Authorization #

F-1 Certificate of Authorization # 567



TC LL	20.0 PSF	REF	R487 - 93424
TC DL	10.0 PSF	DATE	01/30/07
BC DL	2.0 PSF	DRW	HCSR487 07030029
BC LL	0.0 PSF	HC-ENG	MNM/AF
TOT.LD.	32.0 PSF	SEQN-	149488
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T4G487_201

CLB WEB BRACE SUBSTITUTION

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

NOTES:

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

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

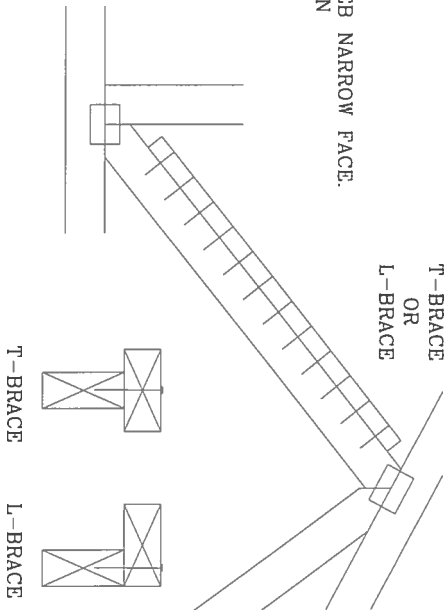
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

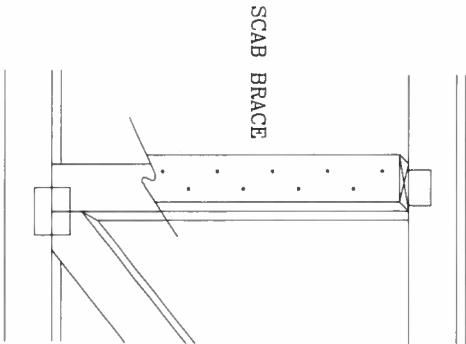
T-BRACING
OR
L-BRACING:

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



SCAB BRACING:

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



THIS DRAWING REPLACES DRAWING 579,640

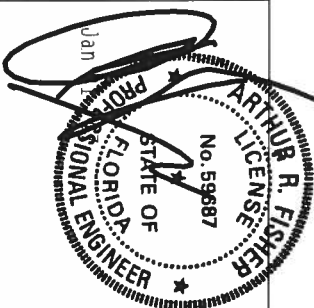
TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/1/06
BC DL	PSF	DRWG	BRCLBSUB1106
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			



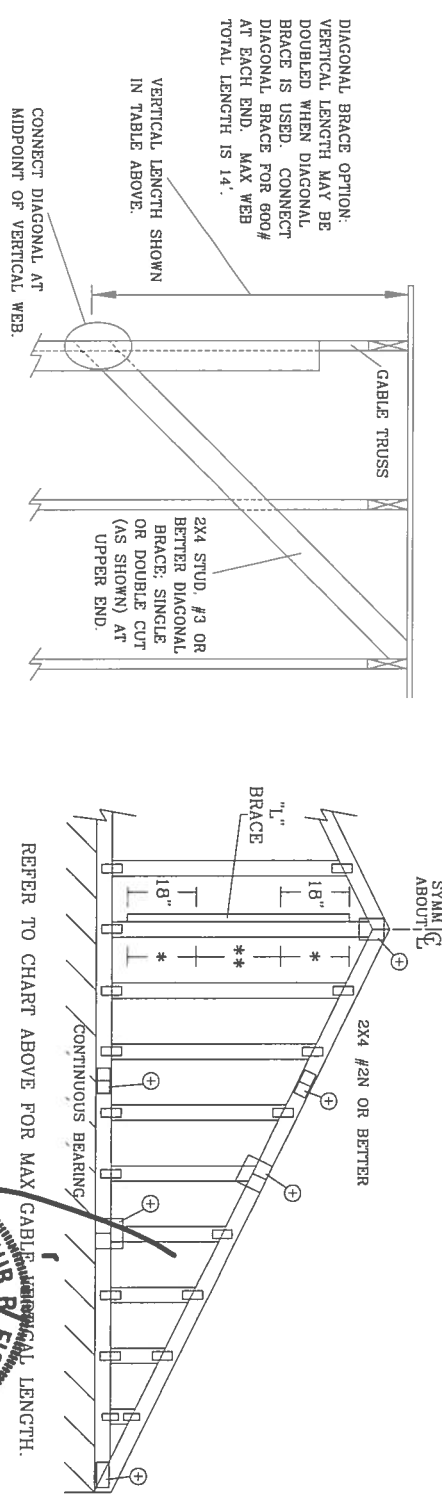
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22314) AND WTA (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 & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SS/K) ASTM A653 GRADE 40/60 (W/K/H/SS) 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 ANNEK A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF NOT PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SEAL IS THE PROPERTY OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



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



ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

ALPINE

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCET-02-CAB11015

DATE 11/1/06

DRWG A11015EE1106

ENG

STATE OF FLORIDA

ARTHUR P. FISHER

NO. 59687

PROFESSIONAL ENGINEER

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

CABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

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

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLAYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

* FOR (1) "L" BRACE: SPACE NAILS AT 2' 0" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

** FOR (2) "L" BRACES: SPACE NAILS AT 3' 0" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

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

Diagram illustrating the connection of a gable vertical member to a truss system, showing the gable vertical length and the connection details for uplift.

FOR LET-IN VERTICALS

GABLE VERTICAL LENGTH TYP.

SYM. ABOUT

PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS ATTACH EACH "T" REINFORCING MEMBER WITH

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

EXAMPLE:

2X4

2X4

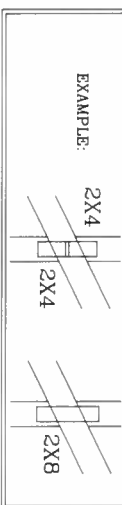
*** IF GABLE VERTICAL PLATES OVERLAP, SINGLE PLATE TO SPAN THE WEB.**

⊕ REFER TO ENGINEERED TRUSS DESIGN SPlice, WEB AND HEEL PLATES.

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

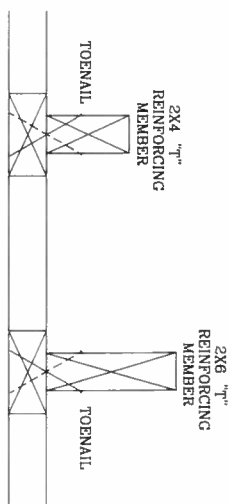
* IF CABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE:



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

MAXIMUM ALLOWABLE "W" REINFORCED GABLE VERTICAL
LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/T BRACE

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

EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT

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

REINFORCING MEMBER SIZE = 2X4

$$\uparrow \text{BRACE INCREASE (FROM ABOVE)} = 10\% = 1.10$$

MAXIMUM "J" REINFORCED CABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"

REF LET-IN VERT

DATE 11/1/06

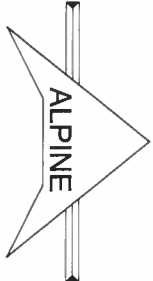
DRWG GBLLETIN1106

-ENG DLJ/KAR

MAX TOT. LD. 60 PSF

DUR. FAC. ANY

MAX SPACING 24.0"



ALPINE ENGINEERED PRODUCTS, INC.
POMPAHO BEACH, FLORIDA

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THIS DESIGN SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE - SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/VP 1 SEC. 2

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

ASCE 7-93 GABLE DETAIL DRAWINGS

 A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
 A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103

ASCE 7-98 GABLE DETAIL DRAWINGS

 A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
 A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103

ASCE 7-02 GABLE DETAIL DRAWINGS

 A13015EED0405, A12015EED0405, A11015EED0405, A10015EED0405, A08515EED0405
 A13030EED0405, A12030EED0405, A11030EED0405, A10030EED0405, A08530EED0405

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

PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN

ATTACH EACH "T" REINFORCING MEMBER WITH

HAND DRIVEN NAILS:

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

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

GUN DRIVEN NAILS:

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

(4) TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS:

8d COMMON (0.131"X 2.5",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

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

ASCE 7-93 CABLE DETAIL DRAWINGS

A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103

A13030EC1103, A12030EC1103, A110

SCSCE 7-02 CABLE DETAIL DRAWINGS

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

