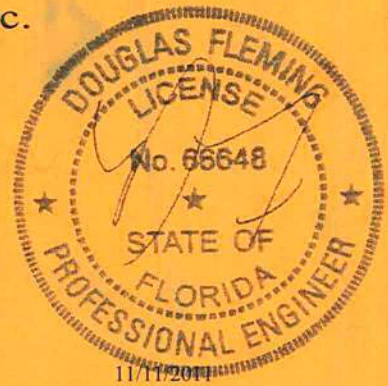


Extra
Revised
11-28-11
are stamped

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID: IUGY487-Z0111112848



Truss Fabricator: Anderson Truss Company
Job Identification: 11-209--Fill in later BOB JORDAN -- , **
Truss Count: 107
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Version 10.03.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
Address: the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-05 -Closed

Notes:

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

Douglas Fleming
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

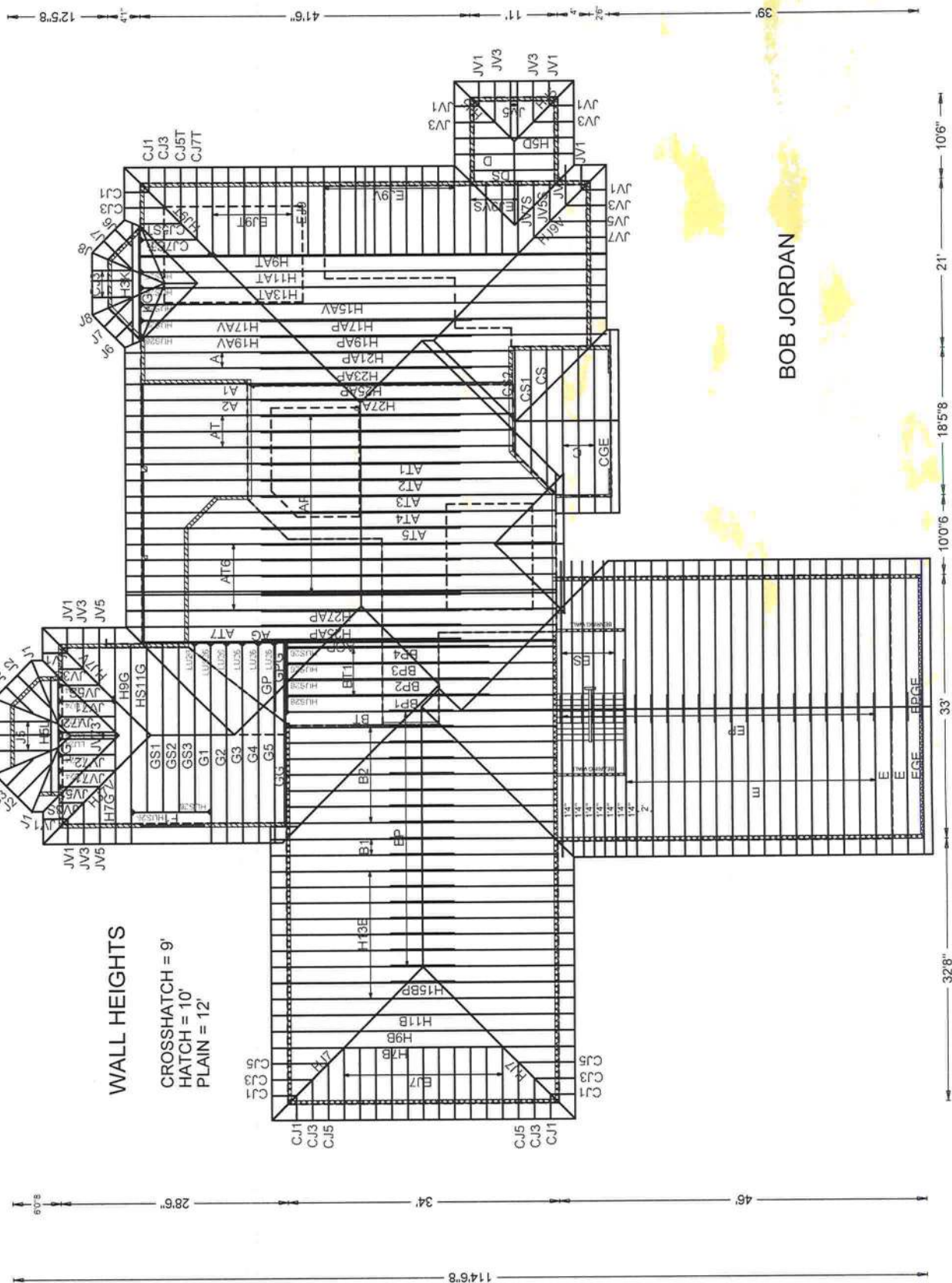
Details: BRCLBSUB-A1101505-GBLLETIN-PB120-

#	Ref	Description	Drawing#	Date
1	07897--A1		11315007	11/11/11
2	07898--A		11315008	11/11/11
3	07899--AG		11315106	11/11/11
4	07900--A2		11315009	11/11/11
5	07901--H9AT		11315010	11/11/11
6	07902--H11AT		11315011	11/11/11
7	07903--H13AT		11315012	11/11/11
8	07904--AT		11315013	11/11/11
9	07905--AT7		11315014	11/11/11
10	07906--AT6		11315015	11/11/11
11	07907--AT5		11315016	11/11/11
12	07908--AT4		11315017	11/11/11
13	07909--AT3		11315018	11/11/11
14	07910--AT2		11315019	11/11/11
15	07911--AT1		11315020	11/11/11
16	07912--H15AV		11315021	11/11/11
17	07913--H17AV		11315022	11/11/11
18	07914--H19AV		11315023	11/11/11
19	07915--H7B		11315024	11/11/11
20	07916--H9B		11315025	11/11/11
21	07917--H11B		11315026	11/11/11
22	07918--H13B		11315027	11/11/11
23	07919--B1		11315028	11/11/11
24	07920--B2		11315029	11/11/11
25	07921--B3		11315030	11/11/11
26	07922--BT1		11315031	11/11/11
27	07923--C		11315032	11/11/11
28	07924--CS		11315033	11/11/11
29	07925--CS2		11315034	11/11/11
30	07926--CGE		11315035	11/11/11
31	07927--H50		11315036	11/11/11
32	07928--D		11315037	11/11/11
33	07929--DS		11315001	11/11/11
34	07930--E		11315038	11/11/11
35	07931--EGE		11315039	11/11/11
36	07932--EG		11315040	11/11/11
37	07933--F1		11315041	11/11/11
38	07934--H9G		11315042	11/11/11

#	Ref	Description	Drawing#	Date
39	07935--G1		11315043	11/11/11
40	07936--G2		11315044	11/11/11
41	07937--G3		11315045	11/11/11
42	07938--G4		11315046	11/11/11
43	07939--G5		11315047	11/11/11
44	07940--G6		11315048	11/11/11
45	07941--H7G		11315049	11/11/11
46	07942--HS11G		11315050	11/11/11
47	07943--GS1		11315051	11/11/11
48	07944--GS2		11315052	11/11/11
49	07945--GS3		11315053	11/11/11
50	07946--CJ1		11315054	11/11/11
51	07947--CJ3		11315055	11/11/11
52	07948--CJ5		11315056	11/11/11
53	07949--EJ7		11315057	11/11/11
54	07950--HJ7		11315058	11/11/11
55	07951--J1		11315059	11/11/11
56	07952--J2		11315060	11/11/11
57	07953--J3		11315061	11/11/11
58	07954--J5		11315062	11/11/11
59	07955--J4		11315063	11/11/11
60	07956--JV1		11315064	11/11/11
61	07957--JV3		11315065	11/11/11
62	07958--JV5		11315066	11/11/11
63	07959--JV3S		11315002	11/11/11
64	07960--JV5S		11315003	11/11/11
65	07961--JV71		11315067	11/11/11
66	07962--JV72		11315068	11/11/11
67	07963--JV73		11315069	11/11/11
68	07964--HJ5		11315070	11/11/11
69	07965--CJ5T		11315071	11/11/11
70	07966--CJ5ST		11315072	11/11/11
71	07967--CJ7ST		11315073	11/11/11
72	07968--CJ7T		11315074	11/11/11
73	07969--HJ9T		11315075	11/11/11
74	07970--EJ9T		11315076	11/11/11
75	07971--EJ9		11315077	11/11/11
76	07972--EJ9V		11315078	11/11/11

#	Ref	Description	Drawing#	Date
77	07973--EJ9VS		11315004	11/11/11
78	07974--JV7		11315079	11/11/11
79	07975--JV5S		11315005	11/11/11
80	07976--JV7S		11315006	11/11/11
81	07977--HJ9V		11315080	11/11/11
82	07978--J6		11315081	11/11/11
83	07979--J7		11315082	11/11/11
84	07980--J8		11315083	11/11/11
85	07981--HJ7V		11315107	11/11/11
86	07982--H3K		11315084	11/11/11
87	07983--KG		11315085	11/11/11
88	07984--H5L		11315086	11/11/11
89	07985--L6		11315087	11/11/11
90	07986--BP		11315088	11/11/11
91	07987--H15BP		11315089	11/11/11
92	07988--GP		11315090	11/11/11
93	07989--BP1		11315091	11/11/11
94	07990--BP2		11315092	11/11/11
95	07991--BP3		11315093	11/11/11
96	07992--BP4		11315094	11/11/11
97	07993--GPG		11315095	11/11/11
98	07994--H17AP		11315096	11/11/11
99	07995--H19AP		11315097	11/11/11
100	07996--H25AP		11315098	11/11/11
101	07997--H27AP		11315099	11/11/11
102	07998--AP		11315100	11/11/11
103	07999--H21AP		11315101	11/11/11
104	08000--H23AP		11315102	11/11/11
105	08001--AGP		11315103	11/11/11
106	08002--EP		11315104	11/11/11
107	08003--EPGE		11315105	11/11/11

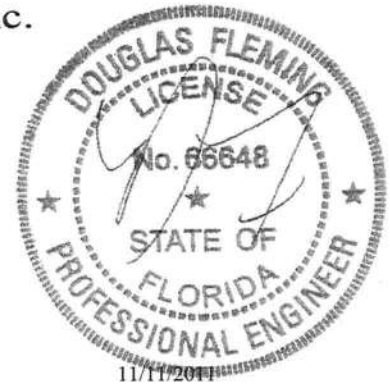
Roof Plane Sheathing Area = 10233 sq. ft



BOB JORDAN

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Page 1 of 1 Document ID:1UGY487-Z011112848



Truss Fabricator: Anderson Truss Company
Job Identification: 11-209--Fill in later BOB JORDAN -- , **
Truss Count: 1
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Version 10.03.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-05 -Closed

Notes:

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

-Truss Design Engineer-
Douglas Fleming

1950 Marley Drive
Haines City, FL 33844

Revised Trusses

#	Ref	Description	Drawing#	Date
1	07981--HJ7V		11315107	11/11/11

ALPINE

(11-209--Fill in later BOB JORDAN --, ** - A)

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

Left cantilever is exposed to wind

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

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

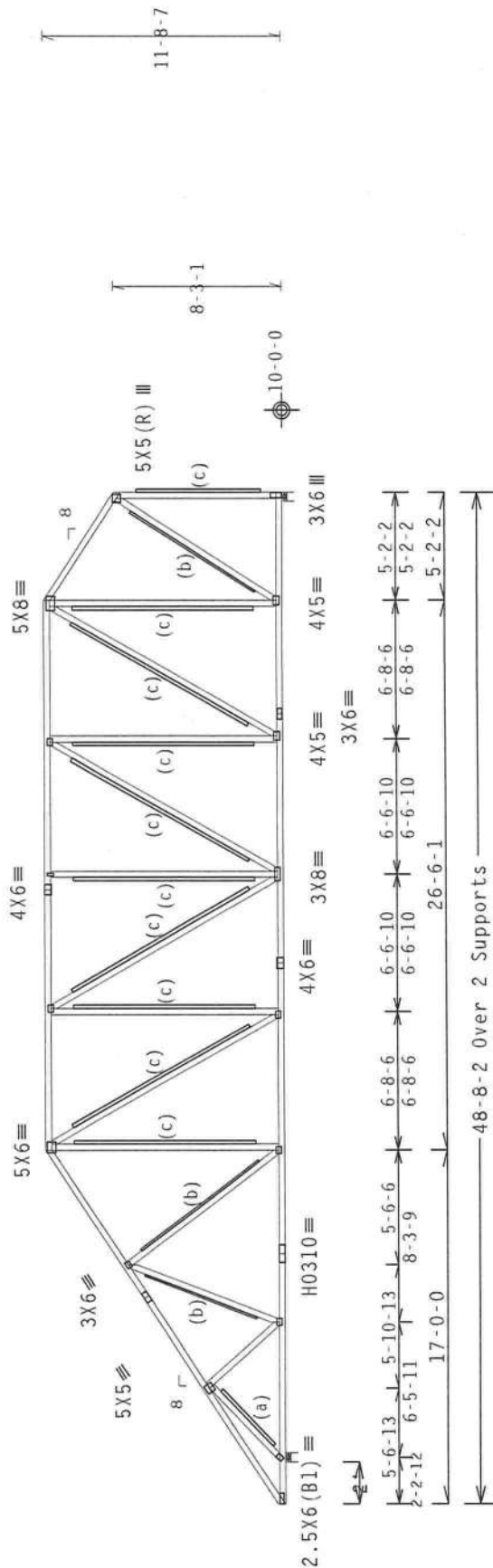
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

WARNING: Furnish a copy of this DWG to the installation contractor.

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

1.5X4 III



R=2527 II=2 W=5 5"

RL=208/-155

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10%(0%)/0(0)

PLT TYP. 20 Gauge HS Wave

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
 REGARDING THIS DESIGN. TOTAL CONTRACTORS INCLUDING INSTALLERS.
****THEOOSTAAT****

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Firmness require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information) by TPI and WCA for all details and practices prior to performing these functions. Installers shall provide temporary bracing per the instructions noted otherwise, top chord shall have properly attached lateral restraint on each end. All members must have a properly installed BCSi sealings by AISC B19 - as approved, lateral restraint on each end.

[illegible]

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

Scale = .125"/Ft.

C LL	20.0 PSF	RFF R487-- 7898
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C DI	10 0 PSF	DATE	11/11/11
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C DL	10.0 PSF	DRW HCUSR487 11315008
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HC-ENG	DF/DF
0.0 PSF	

OT ID	40 0 PSF	SEON-	246332
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01.ED:	40.0 1.51	2EQU	ET000E
110 EAC	1 2E		

UR.FAC.	1.23
DATING	04 08
1055	1106V087 701

PACING	24.0"	REF- 1UGY487_201
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(11-209--Fill in later BOB JORDAN -- , ** - AG)

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3" nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 6.25" o.c.
Webs : 1 Row @ 4" o.c.

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

in each row to avoid splitting.

4" o.c. spacing of nails perpendicular and parallel to grain required in area over bearings greater than 4"

110 mph wind, 16.70 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

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

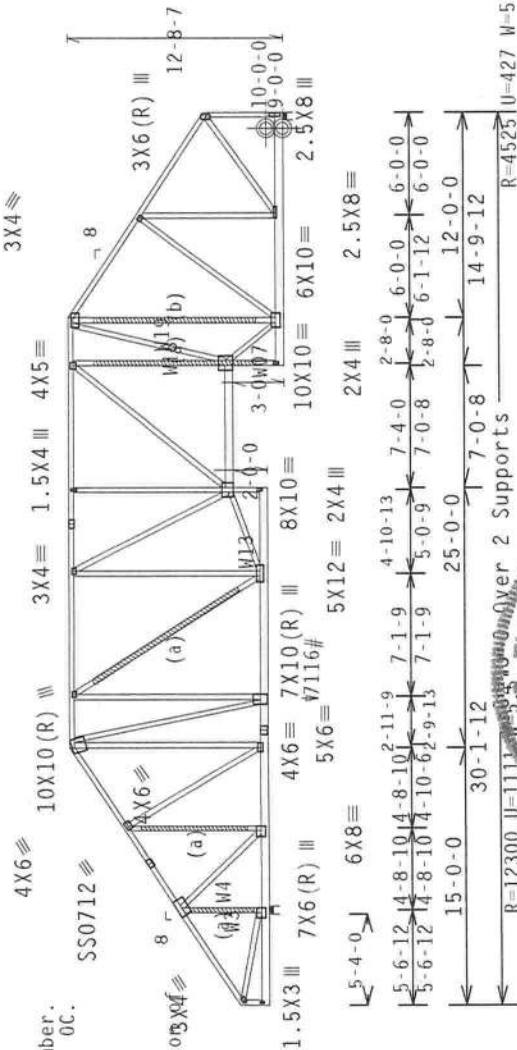
(a) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3", min.) nails @ 6" OC.

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

Deflection meets 1/240 live and 1/180 total load.

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

** The maximum concentrated load is 7117# **



$R=4525$ $W=427$ $W=5.5''$

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10%(0%)/0(0)

PLT TYP. 18 Gauge HS.Wave

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
 FROM THE TIME OF THE CONTRACT, INCLUDING INSTALLERS.

*****IMPORTANT***** FURNISH THIS DESIGN TO ALL CANDIDATES INCLUDING INSTALLERS.

Installs require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BECI Building Component Safety Information, by IPI and WCA for temporary bracing practices prior to performing these functions. Installers shall provide temporary bracing per the manufacturer's instructions. The manufacturer's instructions shall be followed for permanent lateral restraint. The manufacturer shall have a properly attached and signed copy of the BECI specifications, per BECI, on applicable.

THE BUILDING COMPONENTS GROUP INC. (HUBCO) shall not be responsible for any deviation from the drawings and specifications of the drawings. The drawings shall be used for manufacturing, purchasing, fabricating or crisscross. Apply plates to each face of rivets and position as shown above and on the dimensioned drawings. Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on the responsibility or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure, and the responsibility of the Building Design Group, Inc. shall be the responsibility of the user. THIS JOB'S DRAWING NO. 160A-Z. THE BUILDING COMPONENTS GROUP INC. (HUBCO) shall not be responsible for any deviation from the drawings and specifications of the drawings. The drawings shall be used for manufacturing, purchasing, fabricating or crisscross. Apply plates to each face of rivets and position as shown above and on the dimensioned drawings. Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on the responsibility or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure, and the responsibility of the Building Design Group, Inc. shall be the responsibility of the user. THIS JOB'S DRAWING NO. 160A-Z. THE BUILDING COMPONENTS GROUP INC. (HUBCO) shall not be responsible for any deviation from the drawings and specifications of the drawings. The drawings shall be used for manufacturing, purchasing, fabricating or crisscross. Apply plates to each face of rivets and position as shown above and on the dimensioned drawings. Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on the responsibility or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure, and the responsibility of the Building Design Group, Inc. shall be the responsibility of the user. THIS JOB'S DRAWING NO. 160A-Z.

Scale = .09375" / Ft.

[illegible]

10.07 77

10.0 P

10.0 P

0.0 P

[illegible]

01:LD. 40:0 P

OUR.FAC. 1.25

SPACING 24.0"

100

(11-209--Fill in later B08 JORDAN -- , ** - A2)

	Top	chord	2x4	SP	#2	Dense
	Bot	chord	2x4	SP	#2	Dense
		webs	2x4	SP	#3	:W20 2

Webs 2x4 SP #3 :W20 2x4 SP #2 Dense:

Left cantilever is exposed to wind

(a) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

WFRS loads based on trusses located at least 16.04 ft. from roof edge.

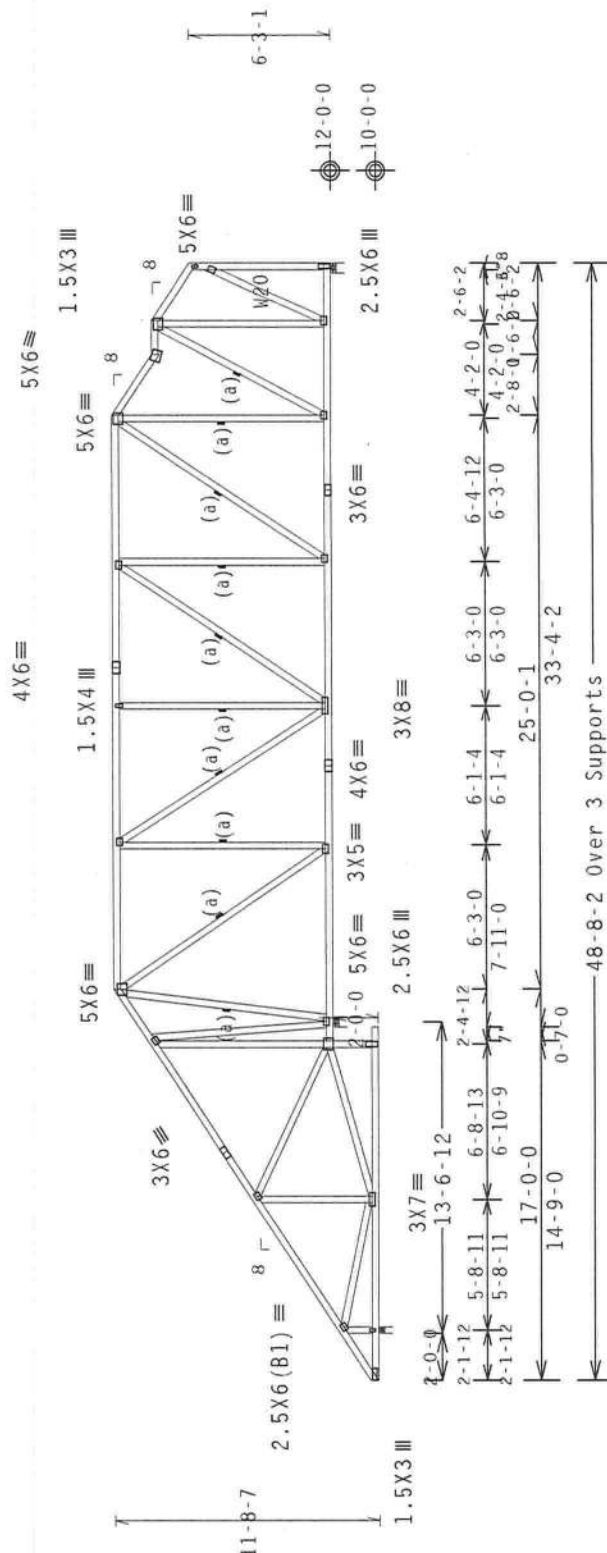
1110 mph wind, 16.04 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

 $R=385 \quad I=0 \quad W=3.5''$

RL=208/-154

R=2468 U=135 W=5.5"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave

Scale = .125"/Ft.

[illegible]

(11-209--Fill in later BOB JORDAN -- , ** - H9AT)

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3" nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 12.00" o.c.
Webs : 1 Row @ 4" o.c.

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

Wind loads and reactions based on MWFRS with additional C&C member design.

Calculated horizontal deflection is 0.38" due to live load and 0.41" due to dead load.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

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

11110 mph wind, 15.00 ft mean hgt., ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00
6Col(+/-)=0.18

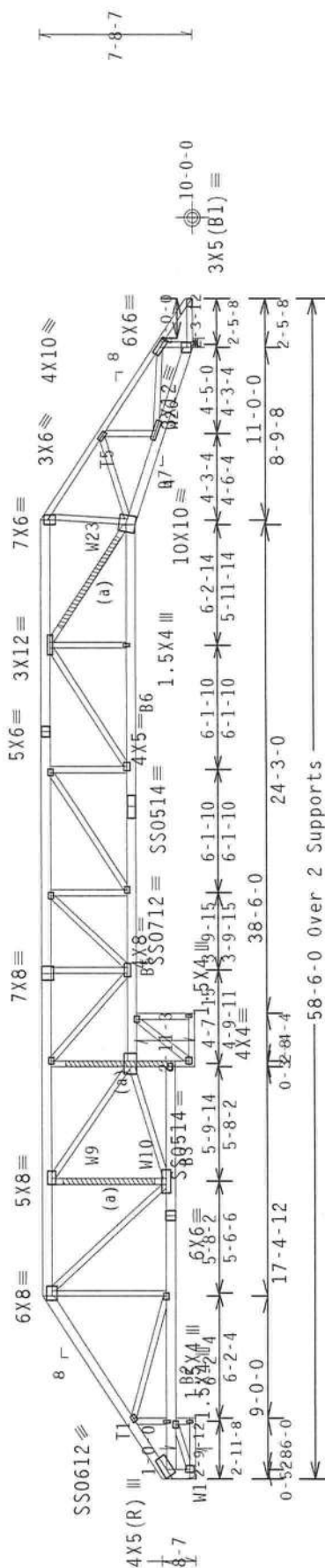
Right cantilever is exposed to wind

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

#1 hip supports 11-0-0 jacks W/2 panel TC and no end vert.

Left side jacks have 11-0-0 setback with 0-0-0 cant and 0-0-0 overhang. Right side jacks have 11-0-0 setback with 2-0-0 cant and 0-0-0 overhang.

Laterally brace chord member above filler @ 24" O.C. or as specified, including a lateral brace at chord ends.



R=5723 U=450

R=6242 U=490 W=5.5"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. 18 Gauge HS.Wave

 $FT/RT=10\%(0\%)/0(0)$

Scale = .125"/Ft.

****WARNING** READ AND FOLLOW ALL RULES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
IMPORTANT**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. After to be installed, the latest edition of BESI (Building Component Safety Information, by TPI and WCA) should be followed. BESI provides the following information. Installers shall provide competent and trained personnel to perform the erection and bracing of the trusses. Trusses need other trusses, girders, columns, and other structural members to support them. Trusses shall be installed in rigid ceiling locations for permanent lateral restraint in use. Trusses shall be braced installed per BESI sections 9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 9.7, 9.8, 9.9, 9.10, 9.11, 9.12, 9.13, 9.14, 9.15, 9.16, 9.17, 9.18, 9.19, 9.20, 9.21, 9.22, 9.23, 9.24, 9.25, 9.26, 9.27, 9.28, 9.29, 9.30, 9.31, 9.32, 9.33, 9.34, 9.35, 9.36, 9.37, 9.38, 9.39, 9.40, 9.41, 9.42, 9.43, 9.44, 9.45, 9.46, 9.47, 9.48, 9.49, 9.50, 9.51, 9.52, 9.53, 9.54, 9.55, 9.56, 9.57, 9.58, 9.59, 9.60, 9.61, 9.62, 9.63, 9.64, 9.65, 9.66, 9.67, 9.68, 9.69, 9.70, 9.71, 9.72, 9.73, 9.74, 9.75, 9.76, 9.77, 9.78, 9.79, 9.80, 9.81, 9.82, 9.83, 9.84, 9.85, 9.86, 9.87, 9.88, 9.89, 9.90, 9.91, 9.92, 9.93, 9.94, 9.95, 9.96, 9.97, 9.98, 9.99, 10.00, 10.01, 10.02, 10.03, 10.04, 10.05, 10.06, 10.07, 10.08, 10.09, 10.10, 10.11, 10.12, 10.13, 10.14, 10.15, 10.16, 10.17, 10.18, 10.19, 10.20, 10.21, 10.22, 10.23, 10.24, 10.25, 10.26, 10.27, 10.28, 10.29, 10.30, 10.31, 10.32, 10.33, 10.34, 10.35, 10.36, 10.37, 10.38, 10.39, 10.40, 10.41, 10.42, 10.43, 10.44, 10.45, 10.46, 10.47, 10.48, 10.49, 10.50, 10.51, 10.52, 10.53, 10.54, 10.55, 10.56, 10.57, 10.58, 10.59, 10.60, 10.61, 10.62, 10.63, 10.64, 10.65, 10.66, 10.67, 10.68, 10.69, 10.70, 10.71, 10.72, 10.73, 10.74, 10.75, 10.76, 10.77, 10.78, 10.79, 10.80, 10.81, 10.82, 10.83, 10.84, 10.85, 10.86, 10.87, 10.88, 10.89, 10.90, 10.91, 10.92, 10.93, 10.94, 10.95, 10.96, 10.97, 10.98, 10.99, 11.00, 11.01, 11.02, 11.03, 11.04, 11.05, 11.06, 11.07, 11.08, 11.09, 11.10, 11.11, 11.12, 11.13, 11.14, 11.15, 11.16, 11.17, 11.18, 11.19, 11.20, 11.21, 11.22, 11.23, 11.24, 11.25, 11.26, 11.27, 11.28, 11.29, 11.30, 11.31, 11.32, 11.33, 11.34, 11.35, 11.36, 11.37, 11.38, 11.39, 11.40, 11.41, 11.42, 11.43, 11.44, 11.45, 11.46, 11.47, 11.48, 11.49, 11.50, 11.51, 11.52, 11.53, 11.54, 11.55, 11.56, 11.57, 11.58, 11.59, 11.60, 11.61, 11.62, 11.63, 11.64, 11.65, 11.66, 11.67, 11.68, 11.69, 11.70, 11.71, 11.72, 11.73, 11.74, 11.75, 11.76, 11.77, 11.78, 11.79, 11.80, 11.81, 11.82, 11.83, 11.84, 11.85, 11.86, 11.87, 11.88, 11.89, 11.90, 11.91, 11.92, 11.93, 11.94, 11.95, 11.96, 11.97, 11.98, 11.99, 12.00, 12.01, 12.02, 12.03, 12.04, 12.05, 12.06, 12.07, 12.08, 12.09, 12.10, 12.11, 12.12, 12.13, 12.14, 12.15, 12.16, 12.17, 12.18, 12.19, 12.20, 12.21, 12.22, 12.23, 12.24, 12.25, 12.26, 12.27, 12.28, 12.29, 12.30, 12.31, 12.32, 12.33, 12.34, 12.35, 12.36, 12.37, 12.38, 12.39, 12.40, 12.41, 12.42, 12.43, 12.44, 12.45, 12.46, 12.47, 12.48, 12.49, 12.50, 12.51, 12.52, 12.53, 12.54, 12.55, 12.56, 12.57, 12.58, 12.59, 12.60, 12.61, 12.62, 12.63, 12.64, 12.65, 12.66, 12.67, 12.68, 12.69, 12.70, 12.71, 12.72, 12.73, 12.74, 12.75, 12.76, 12.77, 12.78, 12.79, 12.80, 12.81, 12.82, 12.83, 12.84, 12.85, 12.86, 12.87, 12.88, 12.89, 12.90, 12.91, 12.92, 12.93, 12.94, 12.95, 12.96, 12.97, 12.98, 12.99, 13.00, 13.01, 13.02, 13.03, 13.04, 13.05, 13.06, 13.07, 13.08, 13.09, 13.10, 13.11, 13.12, 13.13, 13.14, 13.15, 13.16, 13.17, 13.18, 13.19, 13.20, 13.21, 13.22, 13.23, 13.24, 13.25, 13.26, 13.27, 13.28, 13.29, 13.30, 13.31, 13.32, 13.33, 13.34, 13.35, 13.36, 13.37, 13.38, 13.39, 13.40, 13.41, 13.42, 13.43, 13.44, 13.45, 13.46, 13.47, 13.48, 13.49, 13.50, 13.51, 13.52, 13.53, 13.54, 13.55, 13.56, 13.57, 13.58, 13.59, 13.60, 13.61, 13.62, 13.63, 13.64, 13.65, 13.66, 13.67, 13.68, 13.69, 13.70, 13.71, 13.72, 13.73, 13.74, 13.75, 13.76, 13.77, 13.78, 13.79, 13.80, 13.81, 13.82, 13.83, 13.84, 13.85, 13.86, 13.87, 13.88, 13.89, 13.90, 13.91, 13.92, 13.93, 13.94, 13.95, 13.96, 13.97, 13.98, 13.99, 14.00, 14.01, 14.02, 14.03, 14.04, 14.05, 14.06, 14.07, 14.08, 14.09, 14.10, 14.11, 14.12, 14.13, 14.14, 14.15, 14.16, 14.17, 14.18, 14.19, 14.20, 14.21, 14.22, 14.23, 14.24, 14.25, 14.26, 14.27, 14.28, 14.29, 14.30, 14.31, 14.32, 14.33, 14.34, 14.35, 14.36, 14.37, 14.38, 14.39, 14.40, 14.41, 14.42, 14.43, 14.44, 14.45, 14.46, 14.47, 14.48, 14.49, 14.50, 14.51, 14.52, 14.53, 14.54, 14.55, 14.56, 14.57, 14.58, 14.59, 14.60, 14.61, 14.62, 14.63, 14.64, 14.65, 14.66, 14.67, 14.68, 14.69, 14.70, 14.71, 14.72, 14.73, 14.74, 14.75, 14.76, 14.77, 14.78, 14.79, 14.80, 14.81, 14.82, 14.83,

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

11/11/2011

100

...the industry...

...org: WTCB: www

UPI: www.upi.com

and. Etwald.com

age: 11M-HCG: 3

General notes. Data

44

City-FL 338

Haines

(11-209--Fill in later BOB JORDAN --, ** - HIIAT)

Top chord 2x4 SP #2 Dense :T1 2x6 SP #2:
:T3, T4 2x4 SP M-30:
Bot chord 2x4 SP #2 Dense :B2 2x6 SP #2:
:B5, B6 2x4 SP M-30:
Webs 2x4 SP #3 :W1 2x6 SP #2:
:W8, W9, W22 2x4 SP #2 Dense:

Right cantilever is exposed to wind

(a) 1x4 #3SRB SpF-S or better "I" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.) nails @ 6" OC.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

WARNING: Furnish a copy of this DWG to the installation contractor.

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

Laterally brace chord member above filler @ 24" O.C. or as specified, including a lateral brace at chord ends.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

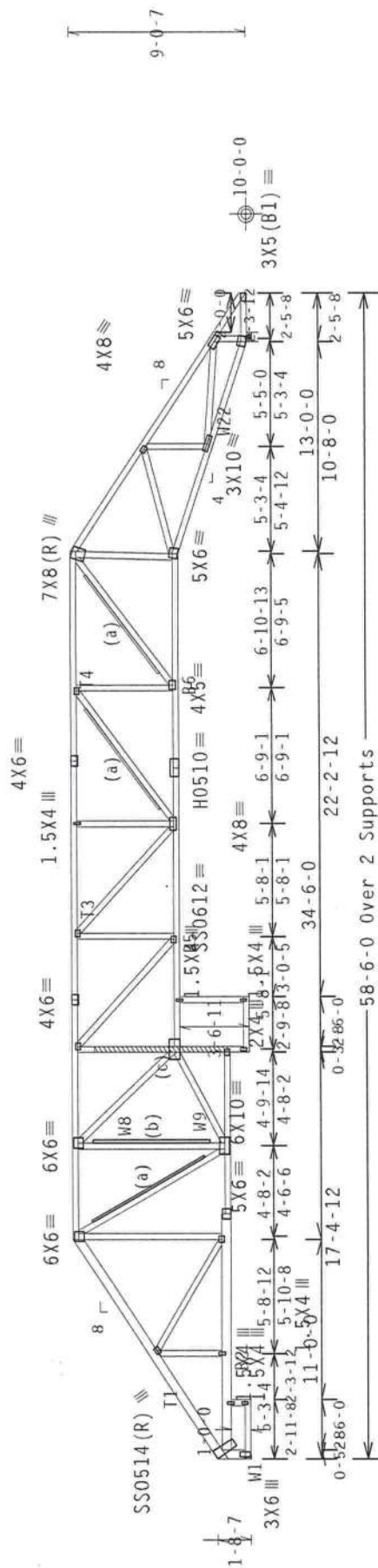
Calculated horizontal deflection is 0.35" due to live load and 0.39" due to dead load.

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

WWFRS loads based on trusses located at least 7.50 ft. from roof edge.



R=2351 U=217
RL=214/-222

Note: All Plates Are 3X4 Except As Shown.
PLT TYP. 20 Gauge HS, 18 Gauge HS, Design Crit: FBC2007Res/TPI-2002 (STD)
Wave FT/RT=10% (0%) / 0 (0)

R=2576 U=216 W=5.5"

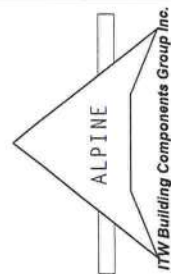
FI 1-141-1-1R/-
Scale = .125"/Ft.

TC LL	20.0 PSF	REF R487-- 7902
TC DL	10.0 PSF	DATE 11/11/11
BC DL	10.0 PSF	DRW HCUR487 11315011
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 246119
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UGY487_Z01



****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
IMPORTANT**

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Referring to the latest edition of BEI Building Component Safety Information, by IPI and WCA for the appropriate bracing and erection procedures prior to performing these functions. Installers shall provide temporary bracing per the manufacturer's instructions. The manufacturer's instructions shall be followed for all structural components noted otherwise, top chord shall have properly attached structural lateral bracing, and shall have a properly attached rigid ceiling. The manufacturer's instructions shall be followed for all components noted otherwise. BEI 805-810 is applicable.

[illegible]

Haines City, FL 33844
FL COA #0 278

(11-209--Fill) in later BOB JORDAN --, ** - AT7)

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

Left cantilever is exposed to wind

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

MFERS loads based on trusses located at least 32.07 ft. from roof edge.

110 mph wind, 16.04 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind loads and reactions based on MFERS with additional C&C member design.

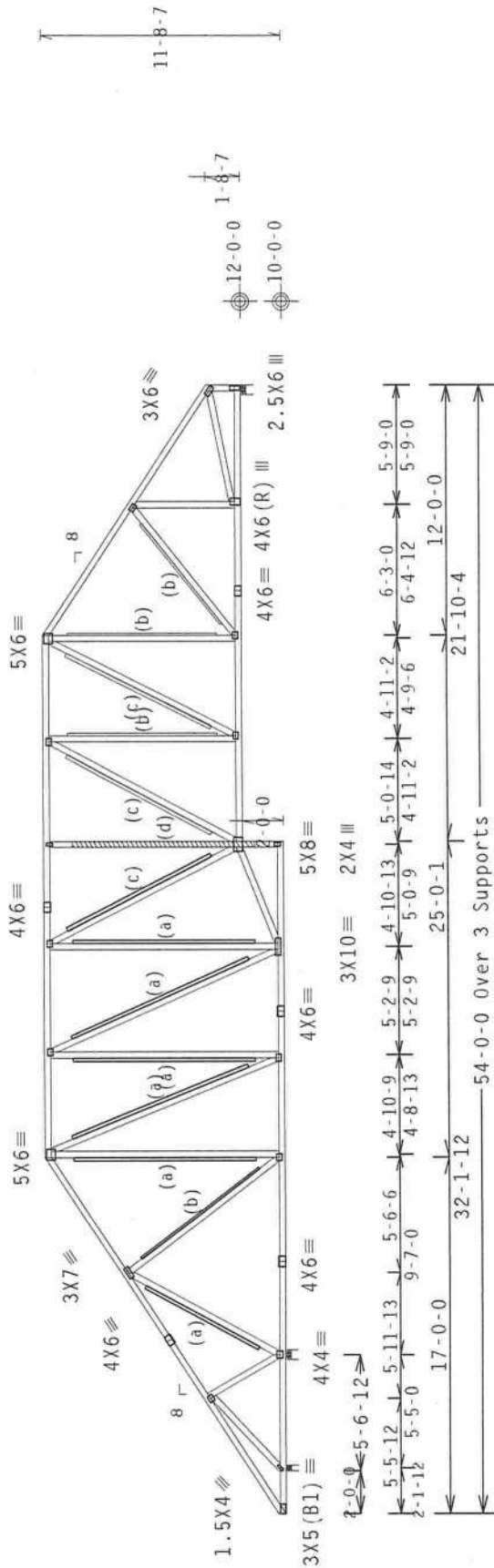
(c) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

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

1.5X4 III



R=73 Rw=98 U=61 W=3.5"

RL=251/-230 U=90 W=5.5"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10% (0%) (0 (0))

Scale = .125" / Ft.

REF R487-- 7905

DATE 11/11/11

DRW HCUSR487 11315014

HC-ENG DF/DF

SEQN- 246392

JREF- 1UGY487_Z01

R=1893 U=0 W=5.5"



IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS SHEET

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing post-assembly. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

TPI Building Components Group, Inc. (TPI/BCG) shall not be responsible for any deviation from the design shown in this drawing. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page; TPI-BCG; www.tpi-bcg.com; TPI: www.tpinet.org; WCA: www.bctimbertruss.com; TBC: www.tbcusa.org



TPI Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

(11-209--Fill in later BOB JORDAN --, ** - ATZ)

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

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

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

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

Bottom chord checked for 10.00 psf non-concurrent live load.

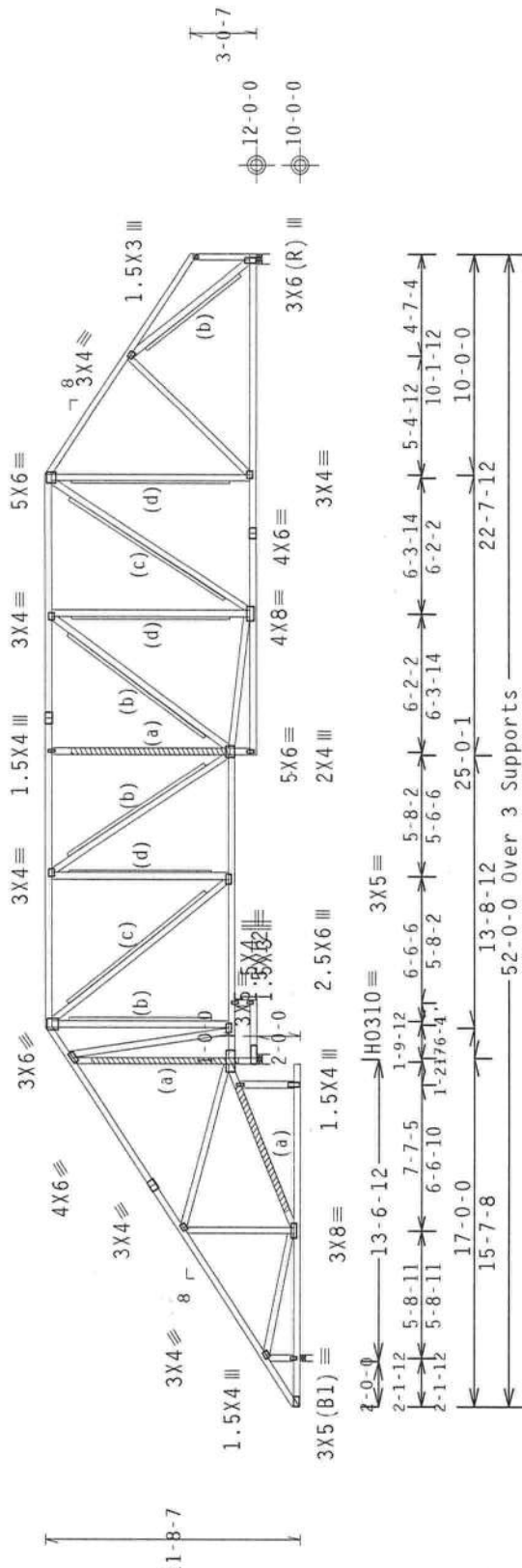
Deflection meets L/240 live and L/180 total load.

MWFRS loads based on trusses located at least 16.04 ft. from roof edge.

Laterally brace chord member above filler @ 24" O.C. or as specified, including a lateral brace at chord ends.

4X6 ≡

6X6 ≡



R=696 U=0 W=3.5"
RL=238/-208

R=2160 U=100 W=5.5"

R=1513 U=0 W=5.5"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = .125" / Ft.

FL/-4/-/-R/-

QTY 1

10-08-04 0602.16

PLT TYP. 20 Gauge HS, Wave

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Components Safety Information, by TPI and WCA) for details. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B5, B7 or B10, as applicable.

The Building Components Group Inc. (BCSI) shall not be responsible for any deviation from this design. The user of this design shall be responsible for the design of the structure and the bracing of the trusses. Refer to drawings 100A-2 for standard plate positions. A seal on the drawing or cover page listing this design, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per AISI/TPI 1 Sec.2. For more information see: This job's notes page; file-BCSI; www.bcsigroup.com; TPI: www.tpiusa.com; WCA: www.wcaindustry.com; BCSI: www.bcsigroup.com

ALPINE

rw Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

DOUGLAS FLEMING
LICENSE
No. 68848
STATE OF FLORIDA
PROFESSIONAL ENGINEER
11/11/2011

TC LL	20.0 PSF	REF	R487--	7910
TC DL	10.0 PSF	DATE	11/11/11	
BC DL	10.0 PSF	DRW	HCUSR487	11315019
BC LL	0.0 PSF	HC-ENG	DF/DF	
TOT.LD.	40.0 PSF	SEQN-	246647	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UGV487_Z01	

(11-209--Fill in later BOB JORDAN --, ** - AT1)

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

Left cantilever is exposed to wind

(b) 1x4 #3SRB SPF-S or better "I" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

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

Bottom chord checked for 10.00 psf non-concurrent live load.

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

Laterally brace chord member above filler @ 24" O.C. or as specified, including a lateral brace at chord ends.

110 mph wind, 16.04 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind loads and reactions based on MWFRS with additional C&C member design.

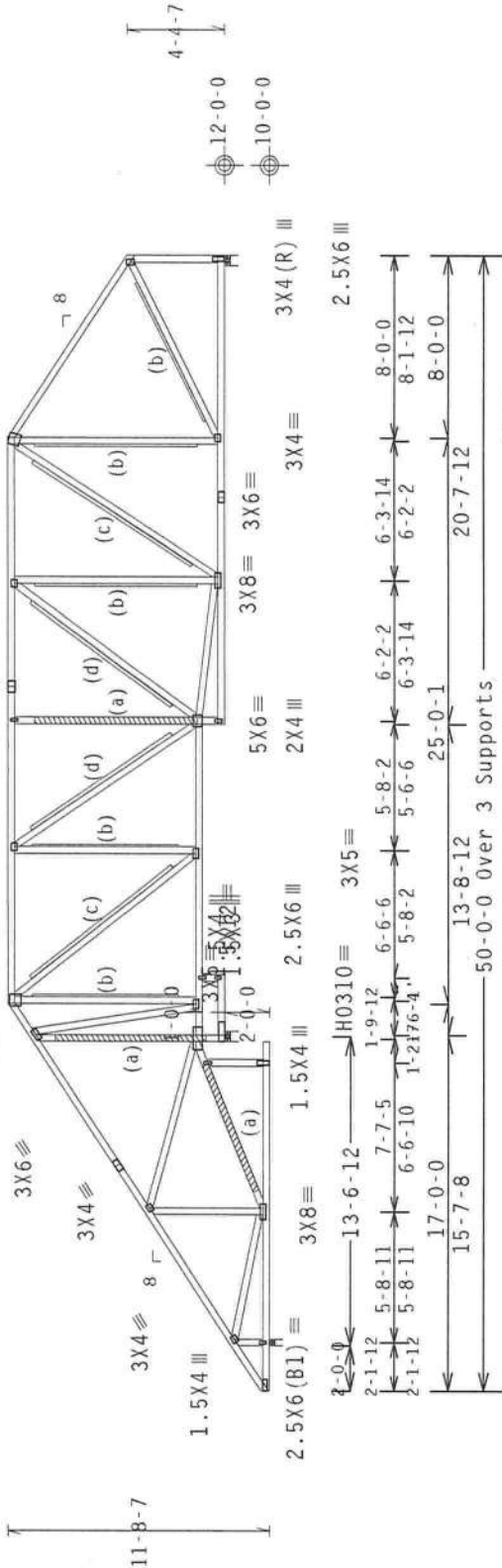
Right end vertical not exposed to wind pressure.

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

MWFRS loads based on trusses located at least 16.04 ft. from roof edge.



(11-209--Fill in later BOB JORDAN --, ** - H15AV)

Top chord 2x4 SP #2 Dense :T1, T5 2x4 SP M-30:

:T6 2x4 SP #1:

Bot chord 2x4 SP #2 Dense

Webs 2x4 SP #3 :W13, W19 2x4 SP #2 Dense:

Right cantilever is exposed to wind

Calculated horizontal deflection is 0.23" due to live load and 0.25" due to dead load.

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

(c) 2x8 #3 or better "I" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5", min.) nails @ 6" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

4X8

7X6 (R)

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X10

1.5X4

3X4

6X6

4X6

3X4

4X6

5X5 (R)

11-B-7

11-B-7

11-B-7

4X4

4X1

(11-209--Fill in later BOB JORDAN -- , ** - H17AV)

Top chord 2x4 SP #2 Dense : T1, T5 2x4 SP M-30:

OP T6 2x4 SP #1:

3010 2x4 SP #2 Dense :B4, B5 2x4 SP M-30:

Webs 2x4 SP #3 :W13, W19 2x4 SP #2 Dense:

Right cantilever is exposed to wind

Calculated horizontal deflection is 0.25" due to live load and 0.28" due to dead load.

(b) 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.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

MEMBERS loads based on trusses located at least 16.04 ft. from roof edge.

110 mph wind, 16.04 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

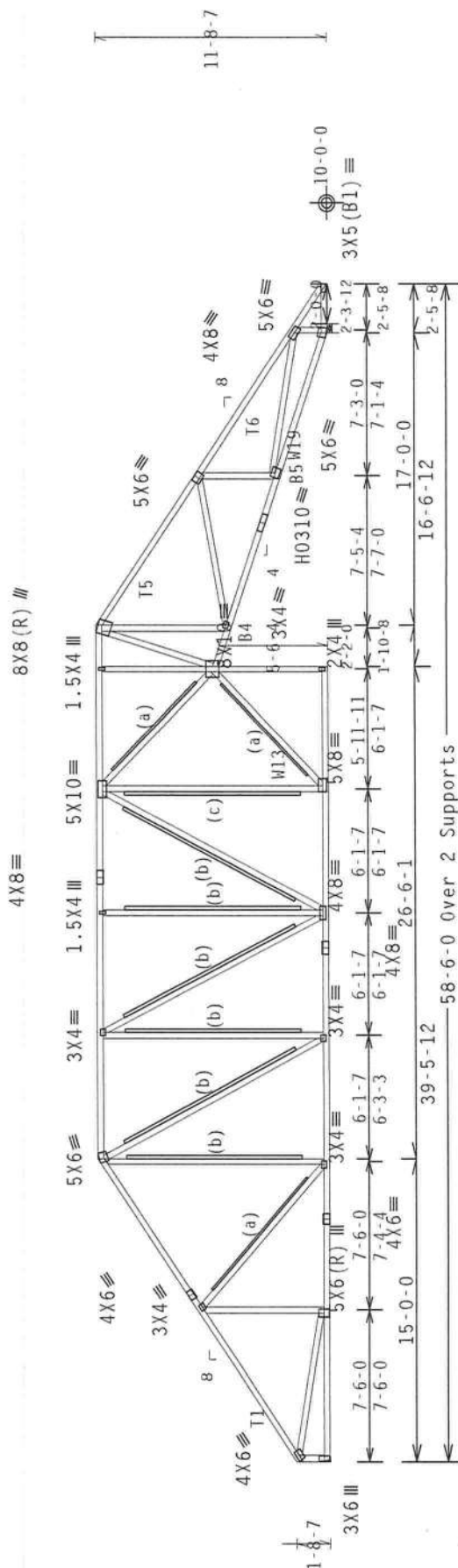
Wind loads and reactions based on MWFRS with additional C&C member design.

(a) 1x4 #3SRB SPF-S or better "J" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5".min.) nails @ 6" OC.

(c) 2x8 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5".min.) nails @ 6" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



R=2353 U=0
RL=295/-303

R=2581 U=0 W=5.5"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP: 20 Gauge HS.Wave

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FOURTEEN THIS DESIGN IS FOR ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information, by TPI and WCA, for detailed specifications pertaining to pre-engineered metal buildings. All components shall have properly attached structural sheathing and bottom chord members shall have a properly attached roof ceiling. Locations shown for permanent lateral restraint of walls shall have bracing installed per BCSI sections 83, 87 or B10, as applicable.

The Building Components Group Inc. (BCEG) shall not be responsible for any deviation from the design of the building components or any failure to build the truss in accordance with ANSI/P1-3, or for handling, shipping, installing or erecting of trusses. Apply plates to each rafter and position as shown above and on the above drawing. Details, unless noted otherwise. Refer to drawings 1600-Z for standard plate positions. A seal around the perimeter of the truss, including the top chord, shall be applied to the underside of the truss. The responsibility for the design, manufacture, and use of this design for any structure shall be the responsibility of the building designer (BID). For more information, call: 1-800-368-3344. E-mail: info@bcegroup.com; web@bcegroup.com; usa@bcegroup.com; usa@bcegroup.com.

No. 65848

STATE OF FLORIDA
PROFESSIONAL ENGINEER
1/11/2011

Scale = .125"/Ft.

EF R487-- 7913

DATE 11/11/11

RW HCUSR487 11315022

IC-ENG DE/DE

END OF	216100
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6EQN- 240190

1	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
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REF- IUGY487_Z01

(11-209--Fill in later BOB JORDAN -- , ** - H19AV)

Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	Webbs	2x4	SP	#3	:W14, W19 2x4 SP #2 Dense:

right cantilever is exposed to wind

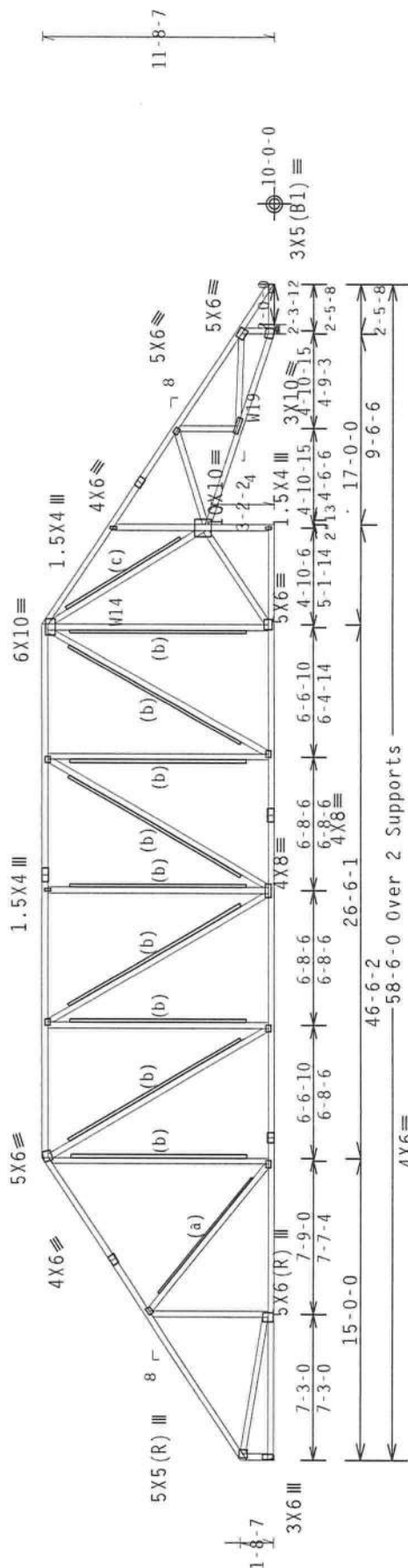
Calculated horizontal deflection is 0.17" due to live load and 0.18" due to dead load.

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

AWFRS loads based on trusses located at least 16.04 ft. from roof edge.

 $4 \times 8 =$ 

R=2351 U=0
RL=282/-290

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0%)/0(0)

10.03.04.06Q1.16 QTY:

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

Scale = .125"/Ft.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Prossers require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BESS' Building Component Safety Information, by TPI and WCA for installation and bracing practices prior to performing these functions. Installers shall provide temporary bracing for all BESS' components. BESS' components shall be installed in accordance with the manufacturer's instructions. BESS' components shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing are shown for BESS' sections B3, B4 or B10, as applicable.

ITW Building Components Group Inc. (IBCG) shall be responsible for any deviation from the design or failure to build the truss in conformance with ANSI/TPI-1 or for handling, shipping, installing or paring or trusses. Applied plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 1600-Z for standard plate positions. A seal on drawing or cover page listing this drawing, indicated acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer prior to construction. For more information see: This job's specification at www.ibcgroup.com, TPI: [tpe.org](http://tpi.org), ENR: enr.com, or call 800-762-9474.

ALPINE

WTW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 778

11/11/2011

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for more information, visit www.sbcindustrial.org; WICA: www.sbcindustrial.org

11M-BCG: www.11m-bcg.com; T

the responsibility for general note

Haines City, FL 33844

(11-209--Fill in later BOB JORDAN -- , ** - H7B)

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

Left and right cantilevers are exposed to wind

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

#1 hip supports 9-0-0 jacks W/2 panel TC and no end vert.

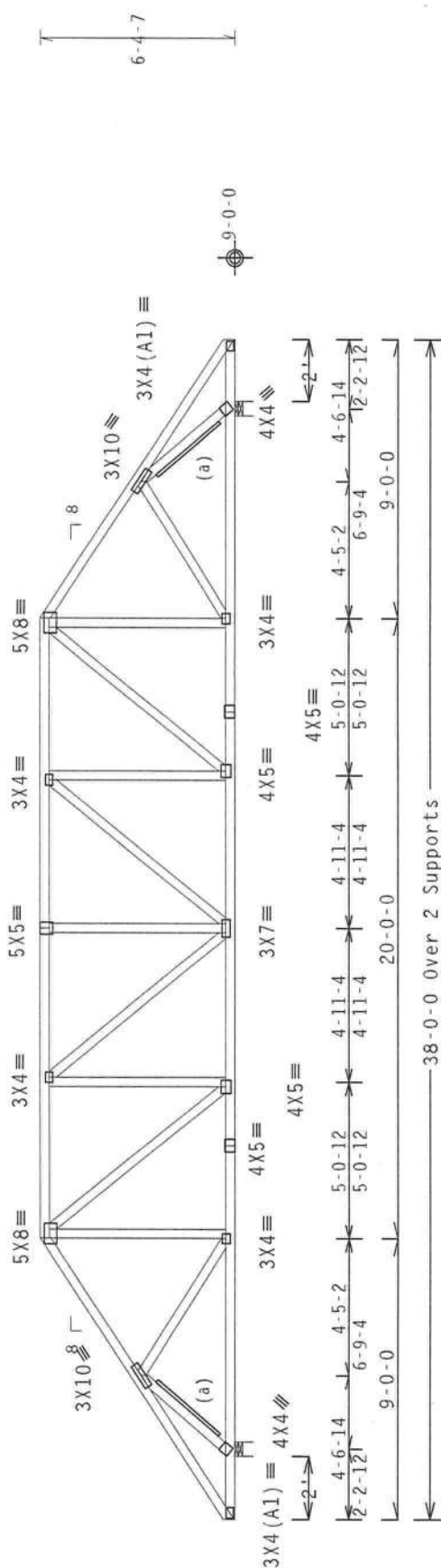
Deflection meets L/240 live and L/180 total load.

1110 mph wind, 15.00 ft mean hgt., ASCE 7-05, CL05ED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpi (+/-)=0.18

Wind Loads and reactions based on MWFRS with additional C&C member design.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Left side jacks have 9-0-0 setback with 2-0-0 cant and 0-0-0 overhang. End jacks have 9-0-0 setback with 2-0-0 cant and 0-0-0 overhang. Right side jacks have 9-0-0 setback with 2-0-0 cant and 0-0-0 overhang.



R=3070 H=240 W=5.5"

38-0-0 Over 2 Supports -

R=3070 U=240 W=5.5"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
 $FT/RT=10\%(0\%)/0(0)$

FT/RT=10%(0%)/0(0)

QTY 1

Scale = .1875"/Ft.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. For more information on the latest edition of BECI Building Component Safety Information, by TPI and MTC, please contact the nearest distributor. If you are unable to locate a distributor, please contact TPI at 1-800-368-7263. If you have any questions or comments, please contact TPI at 1-800-368-7263. If you are unable to locate a distributor, please contact TPI at 1-800-368-7263. If you are unable to locate a distributor, please contact TPI at 1-800-368-7263.

The Building Components Group Inc. (HUBBED) shall be responsible for any deviation from the drawings or specifications. HUBBED shall be responsible for the design, fabrication, assembly, packaging, logistics, and installation of all components shown above and on the following sheets. Details, unless noted otherwise, refer to drawings 100A-Z for standard plate positions. A seal on drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ASCE/PEI Sec.2. For more information see: This Job's specification pages; Hubbed's web site: www.hubbed.com; PEI: www.peiinc.com; This Job's specification pages; Hubbed's fax: info@hubbed.com; MIA: www.miausa.com.

ALPINE
ITTW Building Components Group Inc.
Haines City, FL 33844
ETCOA #0 778

No. 6688

No. 900-10

STATE OF

Figure 5

FLORIDA

0000000000000000

ADDITIONAL

Journal of Management Education

(11-209--Fill in later BOB JORDAN -- , ** - H9B)

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

Left and right cantilevers are exposed to wind

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

Bottom chord checked for 10.00 psf non-concurrent live load.

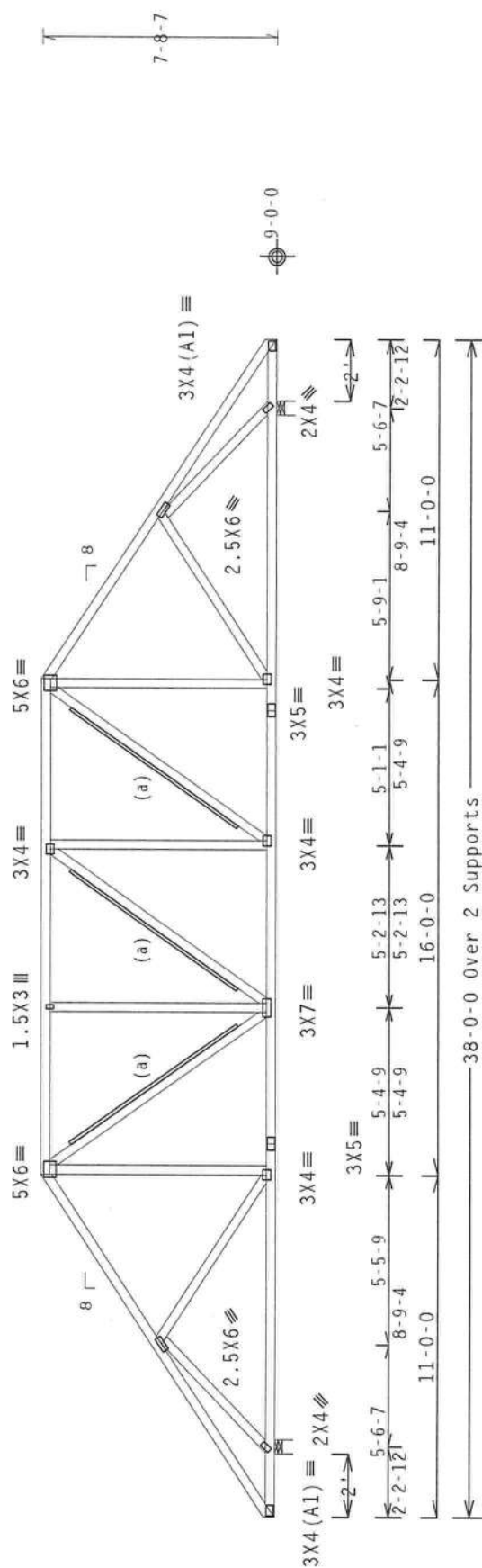
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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



R=1597 U=129 W=5.5"
RL=172/-172

R=1597 U=129 W=5.5"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

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

Scale = .1875"/Ft.

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS, INCLUDING INSTALLERS.**

Processes require extreme care in fabricating, handling, shipping, installing and bracing. Be careful to follow the latest edition of BECI (Building Component Safety Information, by IPI and WCA) for safety precautions prior to performing these functions. Installers shall provide temporary bracing protection until a properly attached rigid ceiling, load-carrying walls and exterior cladding are installed. Be careful to have bracing installed per BECI sections 813, 814 and 815, as applicable.

ITW Building Components Group Inc. (IBCG) shall not be responsible for any deviation from the design shown on drawings or specifications prepared by AISC/TPI. Liability shall rest with the fabricating offices. Apply plates to each face of rivets and position as shown above and on the back of the plate. Refer to drawings IBCG-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure, other than the responsibility of the building designer per AISC/TPI 1 Sec.2. For more information see: www.ibcgroup.com, ibcg@ibcgroup.com, [+1 800 765 3339](tel:+18007653339).



ALPINE
ITW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0 278



(11-209--Fill in later BOB JORDAN -- , ** - H11B)

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

Left and right cantilevers are exposed to wind

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

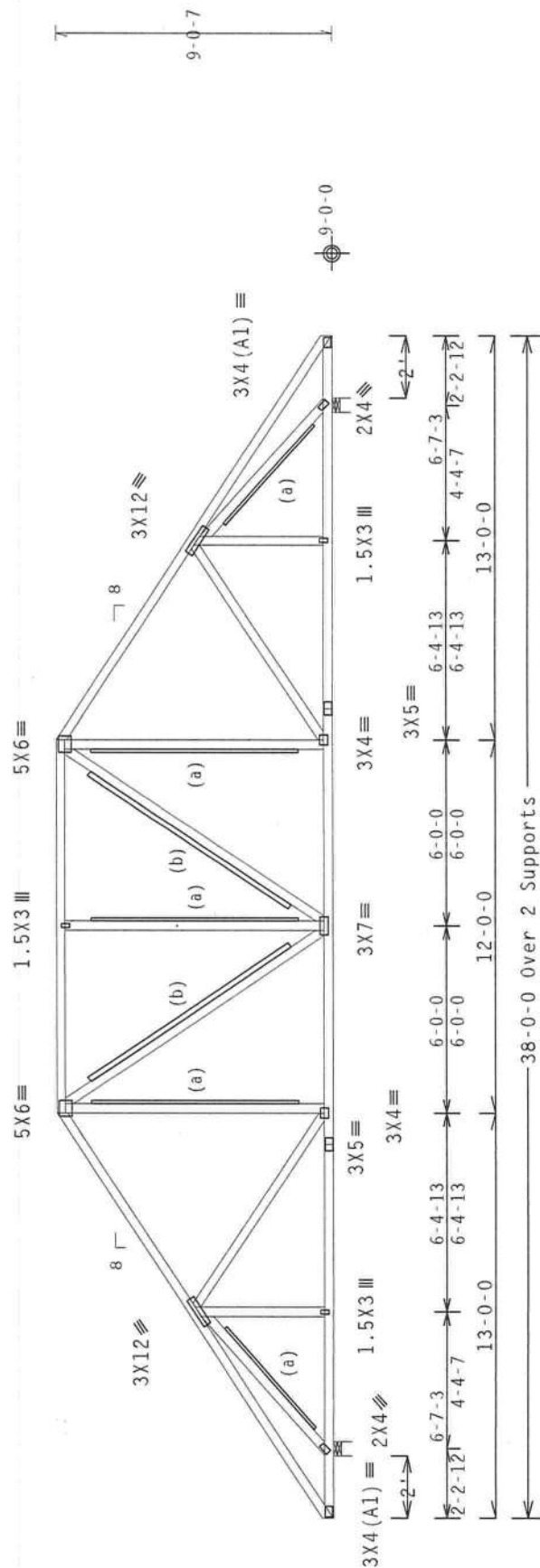
1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

WWFRS loads based on trusses located at least 7.50 ft. from roof edge.



R=1597 U=125 W=5.5"
RL=203/-203

R=1597 U=125 W=5.5"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0(0)

PLT TYP. Wave

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

Scale = .1875"/Ft.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

****IMPORTANT****

Installers require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following the latest edition of BECI (Building Component Safety Information, by IPI and WICA) for the specific instructions prior to performing these functions. Installers shall provide temporary bracing for all bracing until a properly attached rigid ceiling, locations shown for permanent lateral restraint shall have bracing installed per BECI sections B3, B2 or B10, as applicable.

THE Building Components Group, Inc. (THBCG) shall not be responsible for any deviation from this drawing, including but not limited to, the use of this drawing for manufacturing, installing, or repairing of structures. Apply plates to each face of trusses and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per AISI/101 1 Sec.2. For more information: This Job's General notes page: TH-BGCS; www.thbcs.com; AISI/101 1; aisimaterial.org; NIAA; www.niaa-industry.org



ALPINE

TTW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

REF- 1UGY487 Z01

24.0"

11/11/2011

For more information, see: www.apc-industry.com

REF- 1UGY487 Z01

(11-209--fill in later BOB JORDAN -- . ** - H138)

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

Left and right cantilevers are exposed to wind

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

(c) 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.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge. CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)-0.18

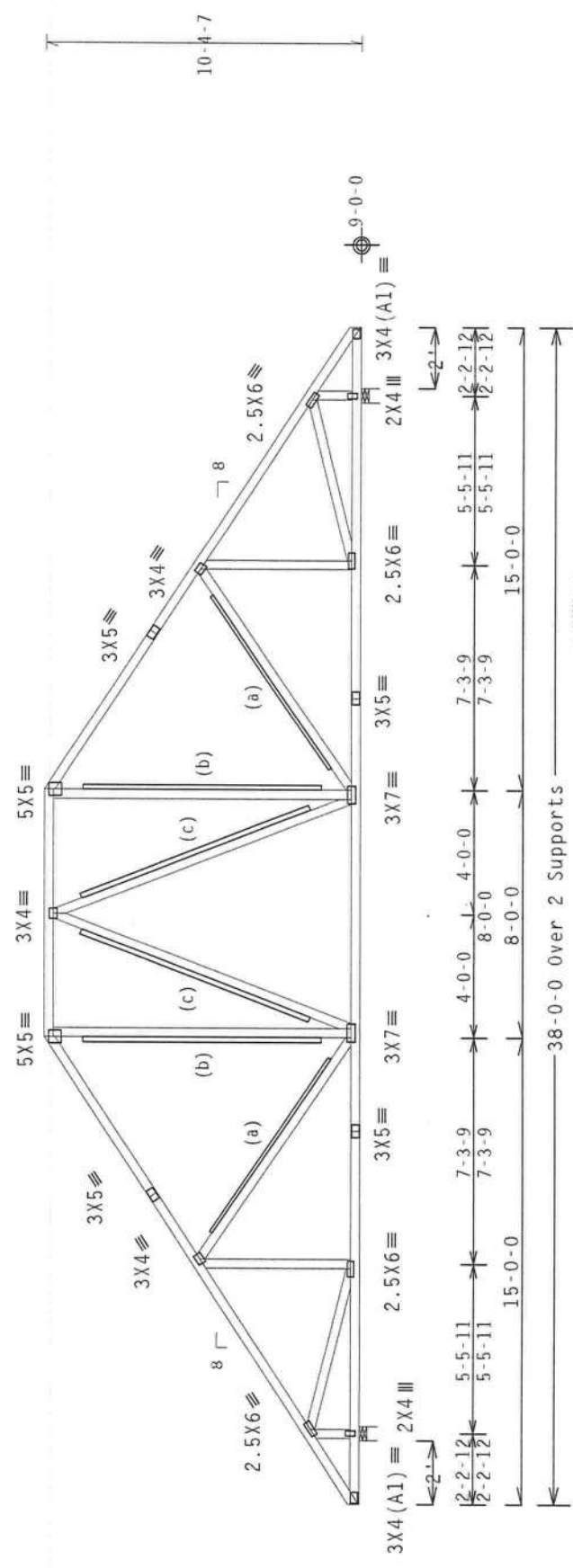
Wind loads and reactions based on MMFRS with additional C&C member design.

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 15.00 ft. from roof edge.



R=1685 U=0 W=5.5"
RL=234/-234

R=1685 U=0 W=5.5"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

Scale = .1875"/Ft.	FL/-4/-/R/-
TC LL 20.0 PSF	REF R487-- 7918
TC DL 10.0 PSF	DATE 11/11/11
BC DL 10.0 PSF	DRW HCUSR487 11315027
BC LL 0.0 PSF	HC-ENG DF/DF
TOT.LD. 40.0 PSF	SEQN- 245251
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1UGY487_Z01



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Component Safety Information, by TPI and WCA for BCSI practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall be installed in accordance with the BCSI instructions. Trusses shall be installed with a properly attached rigid ceiling. Trusses shall be installed with lateral restraint as shown. Trusses shall be installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with ANSI/TPI 1 or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 1604-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see: This Job's General Notes, the BCSI website, www.bcsigroup.com; TPI website, www.tpiusa.com; WCA website, www.wcausa.com; ITW website, www.itwusa.com.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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

Left cantilever is exposed to wind

(a) 1x4 #3SRB SPF-S or better "J" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5".min.)nails @ 6" OC.

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

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G C p_i (+/-)=0.18$

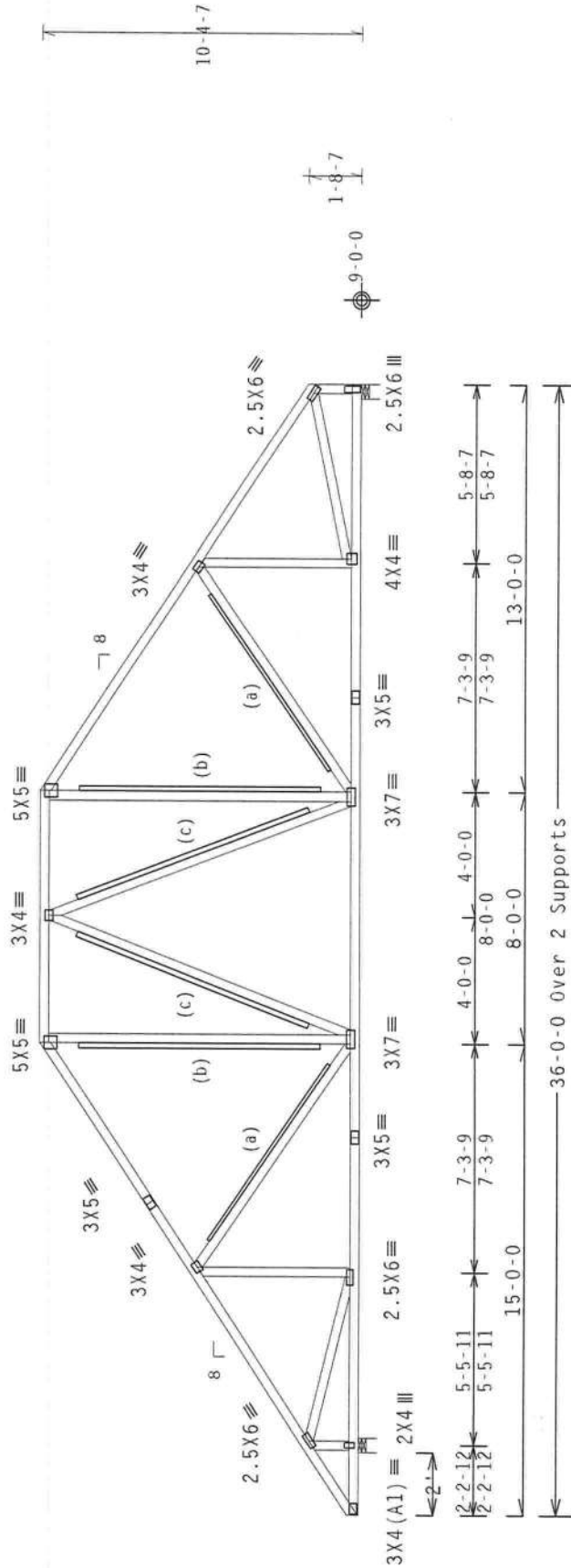
Wind loads and reactions based on MWFRS with additional C&C member design.

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



R=1701 U=0 W=5.5
RL=222/-212

R=1501 U=0 W=5.5

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

Scale = .1875"/Ft.

FL / - / 4 / - / R / -

QTY 2

10.03.04.0601.16

REF R487-- 7919

DATE 11/11/11

DRW HCUSR487 11315028

HC-ENG DF/DF

SEQN- 245271

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1UGY487_Z01

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and UICA) for safety details, unless noted otherwise. Top chord shall have permanent lateral bracing for all trusses. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing for webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
IPI Building Components Group Inc. (IPI/BCGI) shall not be responsible for any deviation from the bracing of trusses. Apply plates to each face of truss and position as shown above and on the job site details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal indicating the responsibility of the Building Component Safety Information (BCSI) is required for all trusses. The responsibility of the Building Component Safety Information (BCSI) is required for all trusses. The responsibility of the Building Component Safety Information (BCSI) is required for all trusses. This job's TEC: www.iccsafe.org IPI: www.ipiinst.org; UICA: www.uicaind.com



ALPINE
Haines City, FL 33844
FL COA #0278

(11-209--Fill in later BOB JORDAN -- ** - B2)

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

(a) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.
(b) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
Bottom chord checked for 10.00 psf non-concurrent live load.
MWFRS loads based on trusses located at least 15.04 ft. from roof edge.

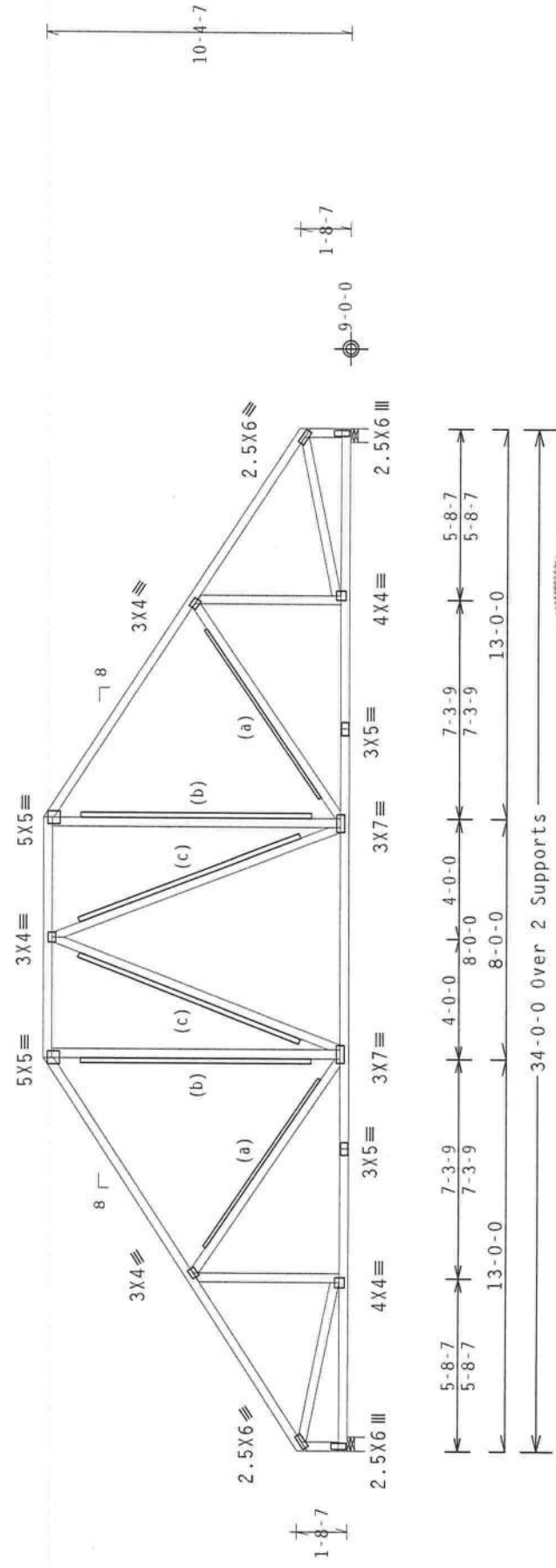
110 mph wind, 15.04 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge. CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi (+/-)-0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

(c) 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.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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



R=1517 U=0 W=5.5
RL=199/-199

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

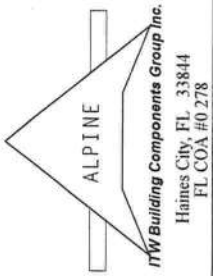
FL/-4/-/R/-

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF R487--	7920
TC DL	10.0 PSF	DATE	11/11/11
BC DL	10.0 PSF	DRW	HCUSR487 11315029
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	245285
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UGY487_Z01



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and NCAJ) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall be braced in accordance with the BCSI (Building Component Safety Information, by TPI and NCAJ) and shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with BCSI/TPI 1 or for handling, shipping, installing, bracing or trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 1609-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the user. For more information see: This Job's general notes page, ITW-BCSI, www.bcsig.com, TPI: www.tpi.net, NCAJ: www.ncaj.com, ITW: www.itw.com, ECC: www.eccsafe.org



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

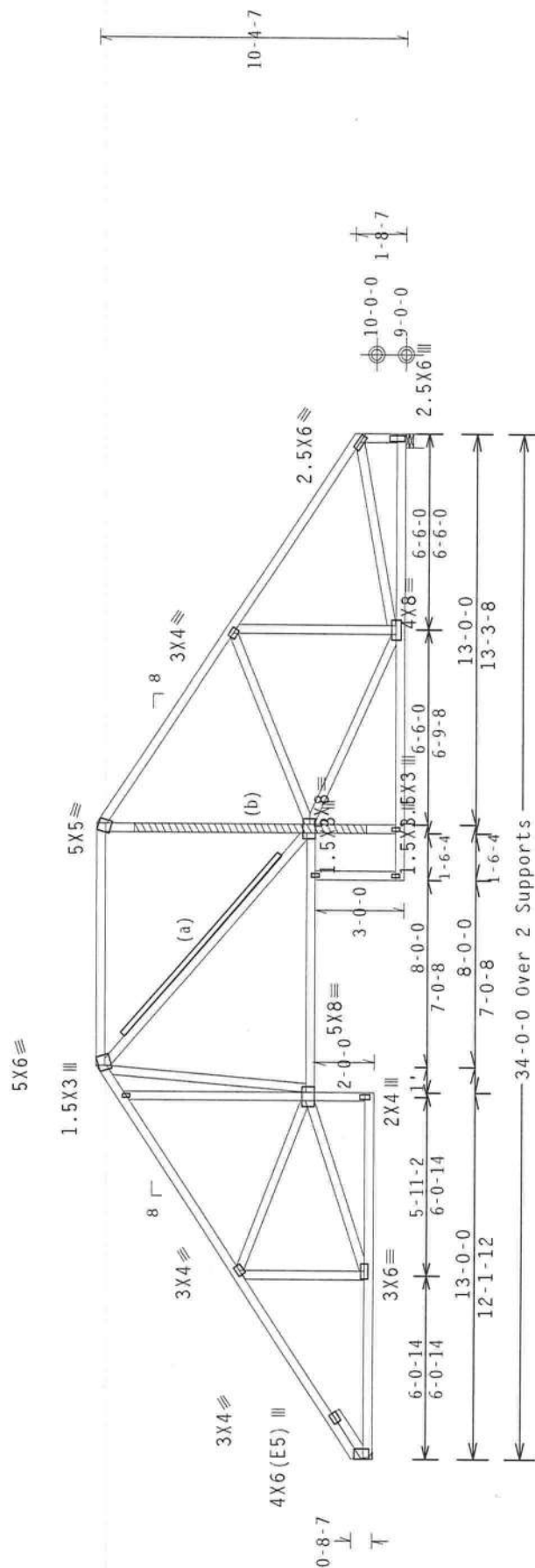
1110 mph wind, 15.04 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT 11, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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

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

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



1429 U=0 W=5.5"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

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

C LL	20.0 PSF	REF R487-- 7921
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10.0 PSF	DATE	11/11/11
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C DI	10.0 PSF	DRW	HCU5R487	11315030
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HC-ENG	DE/DE
HC-ENG	DE/DE

77 C	0.0 FSE	11C END DI/DI
10T 10	10 0 DSE	SEAN 21F410

01.LD:	40.0 PSF	SEQN-	243649
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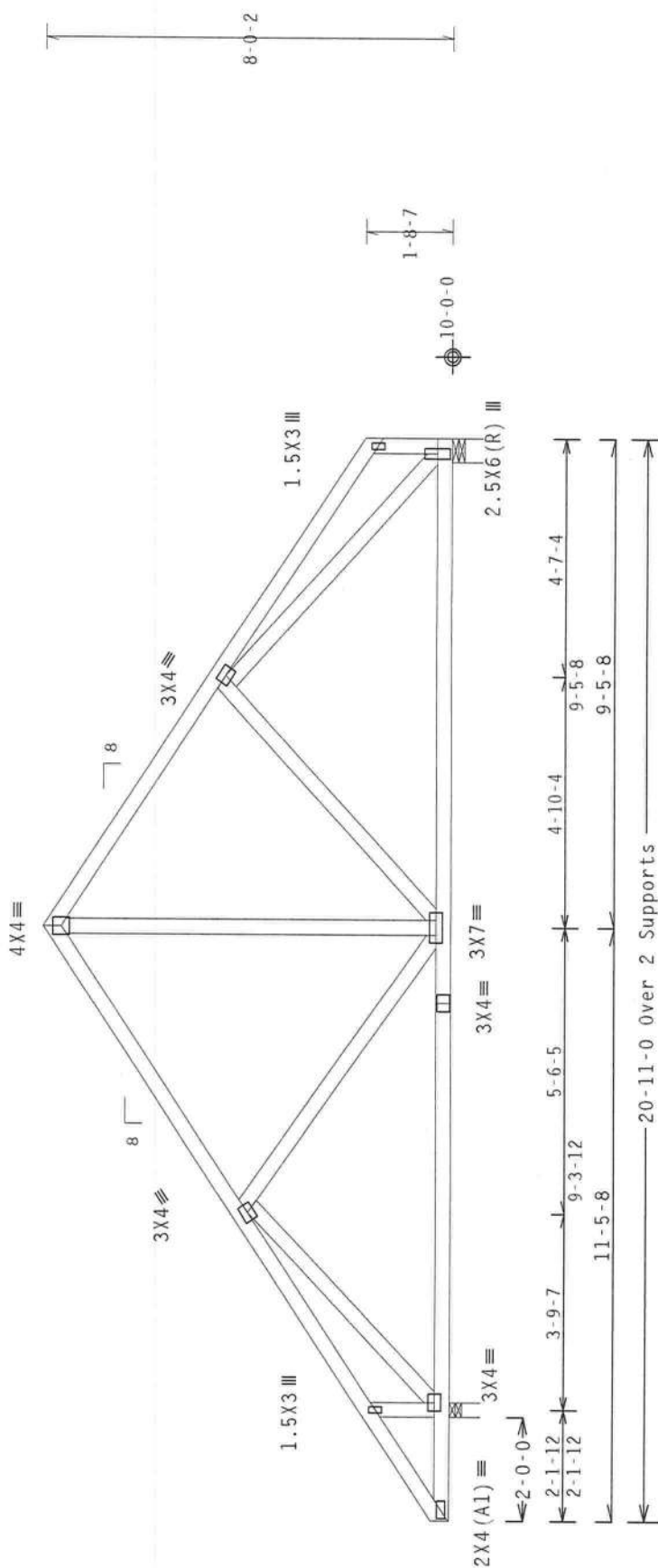
UR.FAC. 1.25

PACING	24.0"	JREF - 1UGY487_Z01
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110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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



R=987 U=62 W=3.5"
RL=161/-150

R=771 U=61 W=5.5"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10%(0%)/0(0)

Scale = .3125"/Ft.

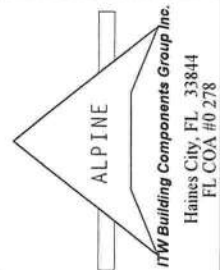
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

****IMPORTANT****

Trusses require extreme care in fabricating, handling, installing and bracing. Refer to the following sections for more information:

- Follow the latest edition of BCSI Building Component Specification, types I and II, for details regarding design, fabrication, inspection, testing and erection.
- Truss manufacturers shall provide temporary bracing per BCSI Section 05110-1.1.
- Truss manufacturers shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have tracking installed per BCSI sections B3, B9 or B10, as applicable.

ITW Building Components Group Inc. (TUBORG) shall not be responsible for any deviation from the design or any failure to build the truss in accordance with AOSI/TPI 1, or for handling, shipping, installing, or erecting of trusses. Apply plates to each face of truss and position as shown above and on the following details, unless noted otherwise. Refer to drawings 1609-Z for standard plate positions. A seal on drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per AOSI/TPI 1 Sec.2. For more information see: This job's specification; TUBORG web site (<http://www.tuborg.com>; AOSI/TPI website (<http://www.aosi-tpi.com>); or, write JESSICA@TUBORG.COM.



1107111/11/2011

SPACING 24.0'

REF- 1UGY487_Z01

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

Bottom chord checked for 10.00 psf non-concurrent live load.

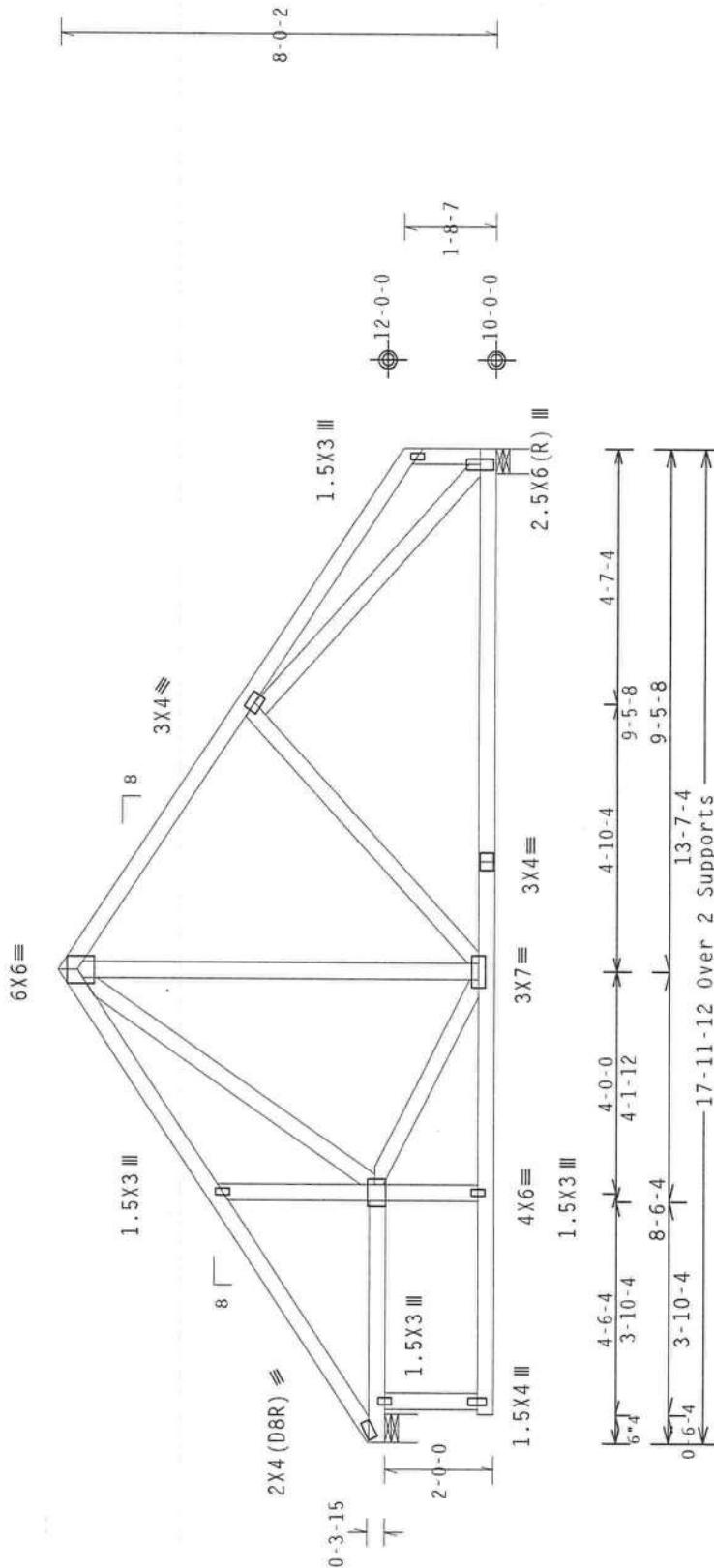
Deflection meets L/240 live and L/180 total load.

Laterally brace chord member above filler @ 24" O.C. or as specified, including a lateral brace at chord ends.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cpi}(\pm)=0.18$

Wind loads and reactions based on MWFRS with additional C&C member design.

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



R=762 U=56 W=6.278"
RL=130/-136

R=749 U=57 W=5.5"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .3125"/Ft.

FL/-4/-1-R/-

TY: 10.04 0601.16

REF R487-- 7924

DATE 11/11/11

DRW HCUSR487 11315033

HC-ENG DF/DF

SEQN- 245925

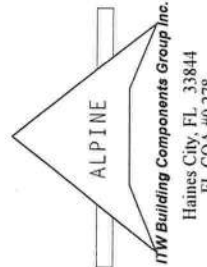
JREF- 1UGY487_201

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Component Safety Information, by TPI and WCA for details. Follow the instructions and warnings in the BCSI Building Component Safety Information. The truss manufacturer shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B5, B7 or B10, as applicable.

The Building Components Group Inc. (BCSI) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint in the details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility by the BCSI Building Components Group Inc. (BCSI) for the design of this truss. The general notes page of the BCSI Building Components Group Inc. (BCSI) shall be read in conjunction with this drawing. TPI: www.tpi.net; WCA: www.wcausa.com; BCSI: www.bcsigroup.com



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

Left end vertical not exposed to wind pressure.

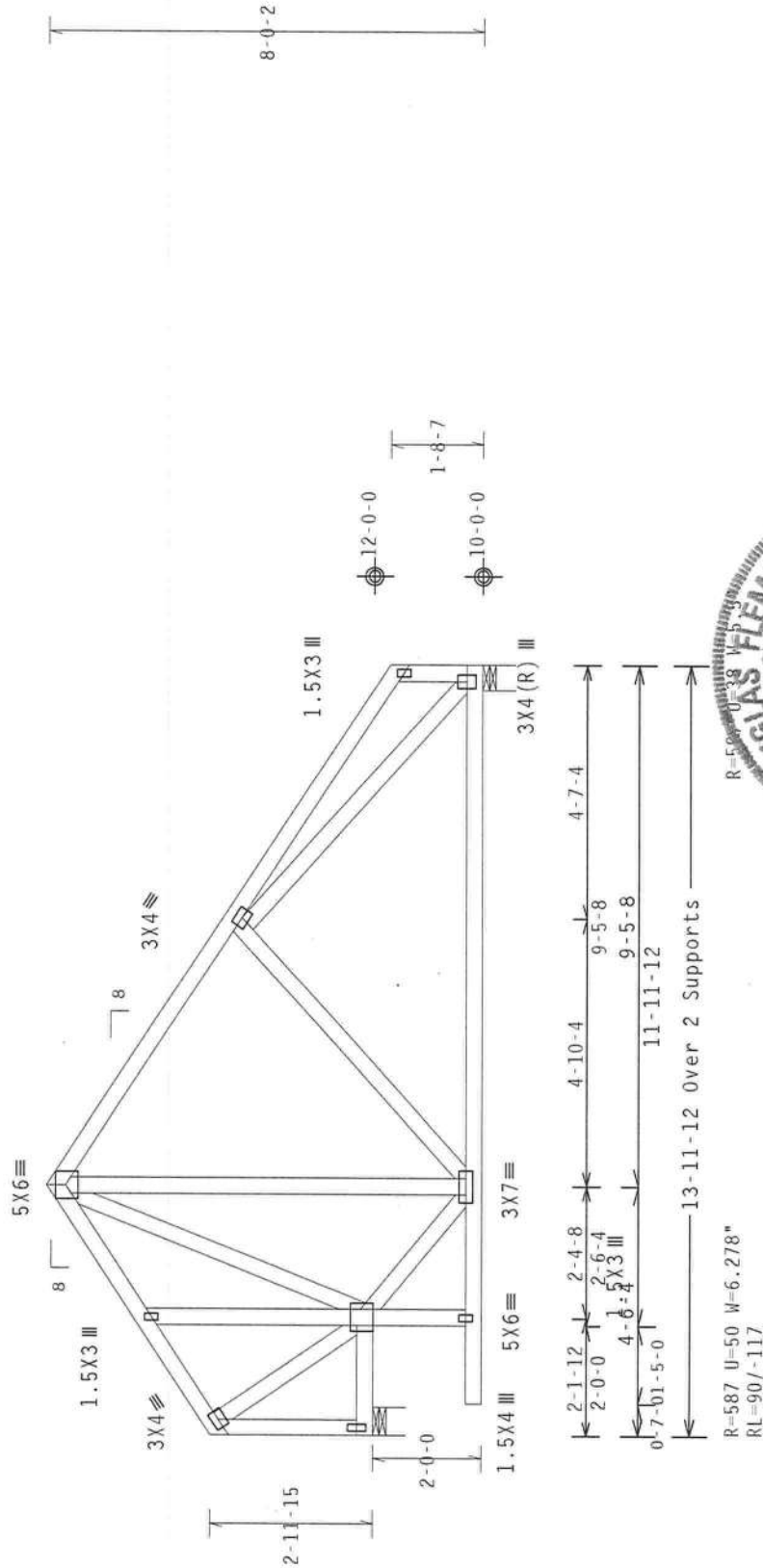
Bottom chord checked for 10.00 psf non-concurrent live load.

MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cpi}(\pm)=0.18$

Wind loads and reactions based on MMFRS with additional C&C member design.

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



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R487-- 7925
TC DL	10.0 PSF	DATE	11/11/11
BC DL	10.0 PSF	DRW	HCUSR487 11315034
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	245971
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UGY487_Z01

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
11/11/2011

WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

IMPORTANT** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information, by TPI and WCA for details and instructions. Trusses are designed for specific conditions and loads. Trusses are not to be modified or altered in any way without the approval of the manufacturer. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility by the Building Designer and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1.1.

general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiusa.org; WCA: www.wcaindustry.com; ICC: www.iccsafe.org

	Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	M-30		
	webs	2x4	SP	#3		

	new	Stack	Chord	SC1	2x4	SP #2	Dense::Stack	Chord	SC2	2x4	SP #2	Dense:
--	-----	-------	-------	-----	-----	-------	--------------	-------	-----	-----	-------	--------

Left and right cantilevers are exposed to wind

Gable end supports 8" max rake overhang.

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

+ MEMBER TO BE Laterally Braced for Out of Plane Wind Loads to Truss. Bracing System to be Designed and Furnished by Others.

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpi (+/-)0.18

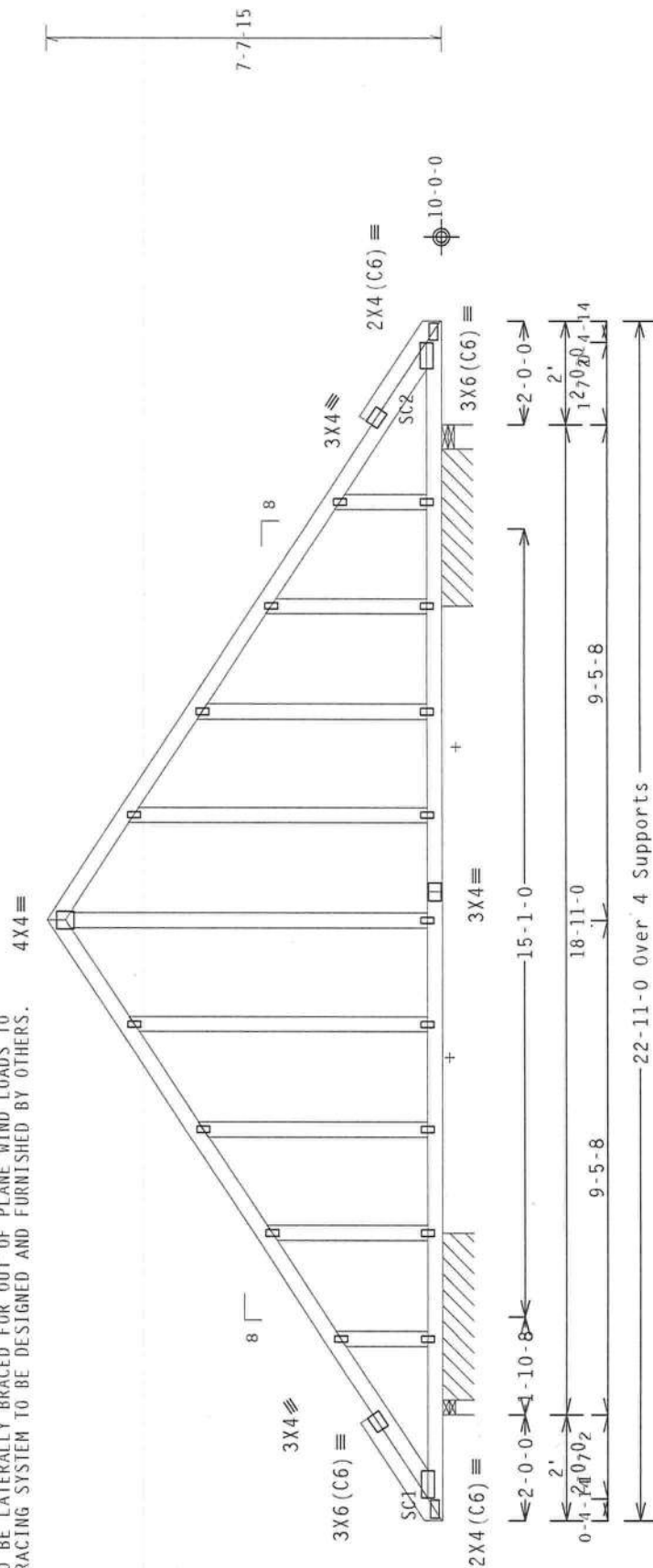
Wind loads and reactions based on MWFRS with additional C&C member design.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

In lieu of structural panels use purlins to brace TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



R=1081 II=0 W=3 5"

RIR=1309 PLF68W=39 PLF U=50 PLF W=3-2-0

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

 $FT/RT=10\%(0\%)/0(0)$

Scale = .3125"/Ft.

REF ID: A8777026

EL	K407	1320
		93/83/145

DATE II/II/II

URW HCUSR487 11315035

C-ENC DE/DE

10/10 ANT-20

EQN- 245979

11055 11105407 701

REF- IUGY48/_Z01

(11-209--Fill in later BOB JORDAN -- , ** - D)

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

Left and right cantilevers are exposed to wind

Calculated horizontal deflection is 0.12" due to live load and 0.14" due to dead load.

Deflection meets L/180 live and L/120 total load.

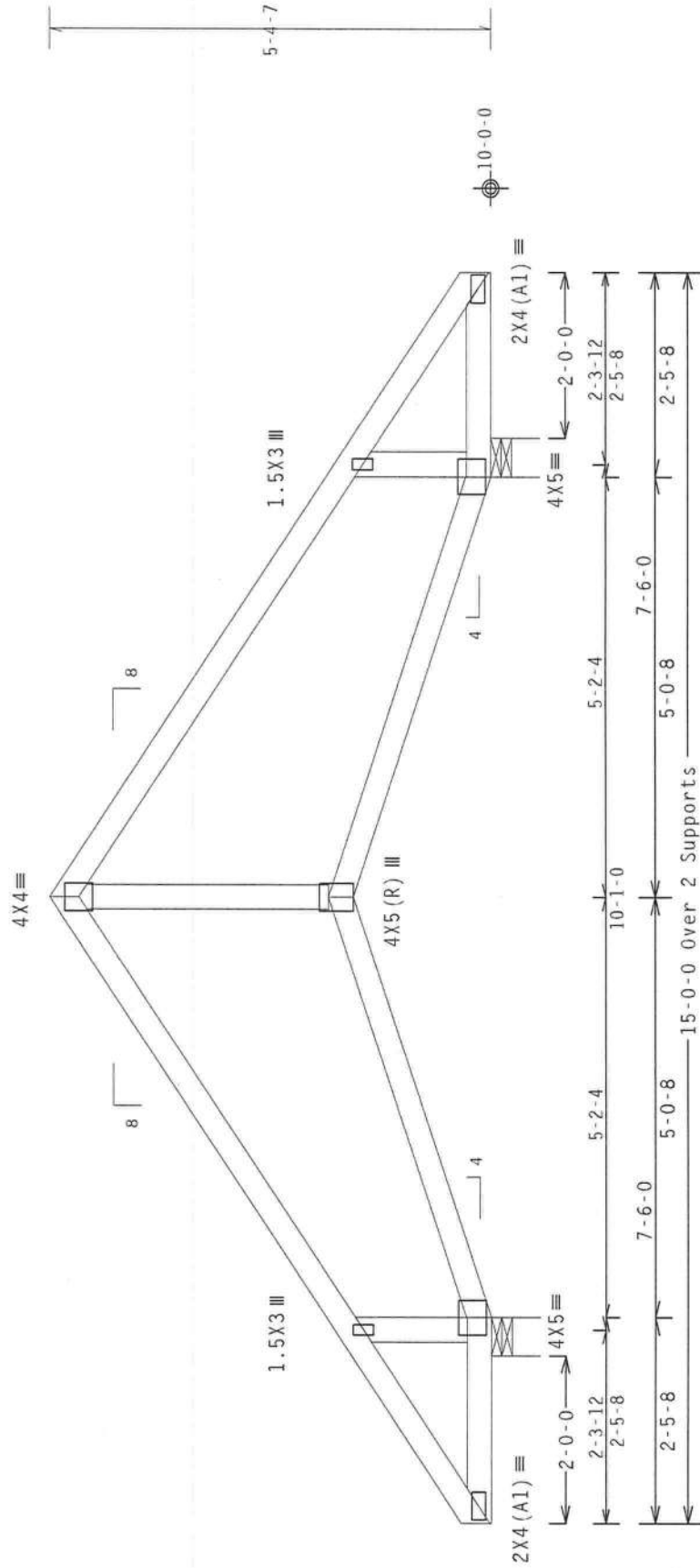
THIS DNG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



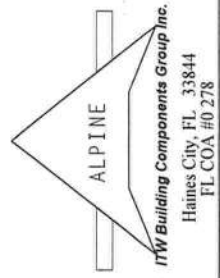
R=636 U=34 W=5.5"
RL=111/-111

R=636 U=34 W=5.5"

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10% (0%) 10 (0)

PLT TYP. Wave



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by IPI and WFA) regarding practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or failure to build the truss in conformance with AISC/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer. For more information see: This job is not to be used for any other project. ITW-BGCT: www.itwbcg.com; TPI: www.tpiinst.org; BCSI: www.bcsinfo.org



Scale = 5" / Ft.

TC LL	20.0 PSF	REF	R487-- 7928
TC DL	10.0 PSF	DATE	11/11/11
BC DL	10.0 PSF	DRW	HCUSR487 11315037
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	245781
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UGV487_Z01

(11-209--Fill in later BOB JORDAN -- , ** - DS)

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

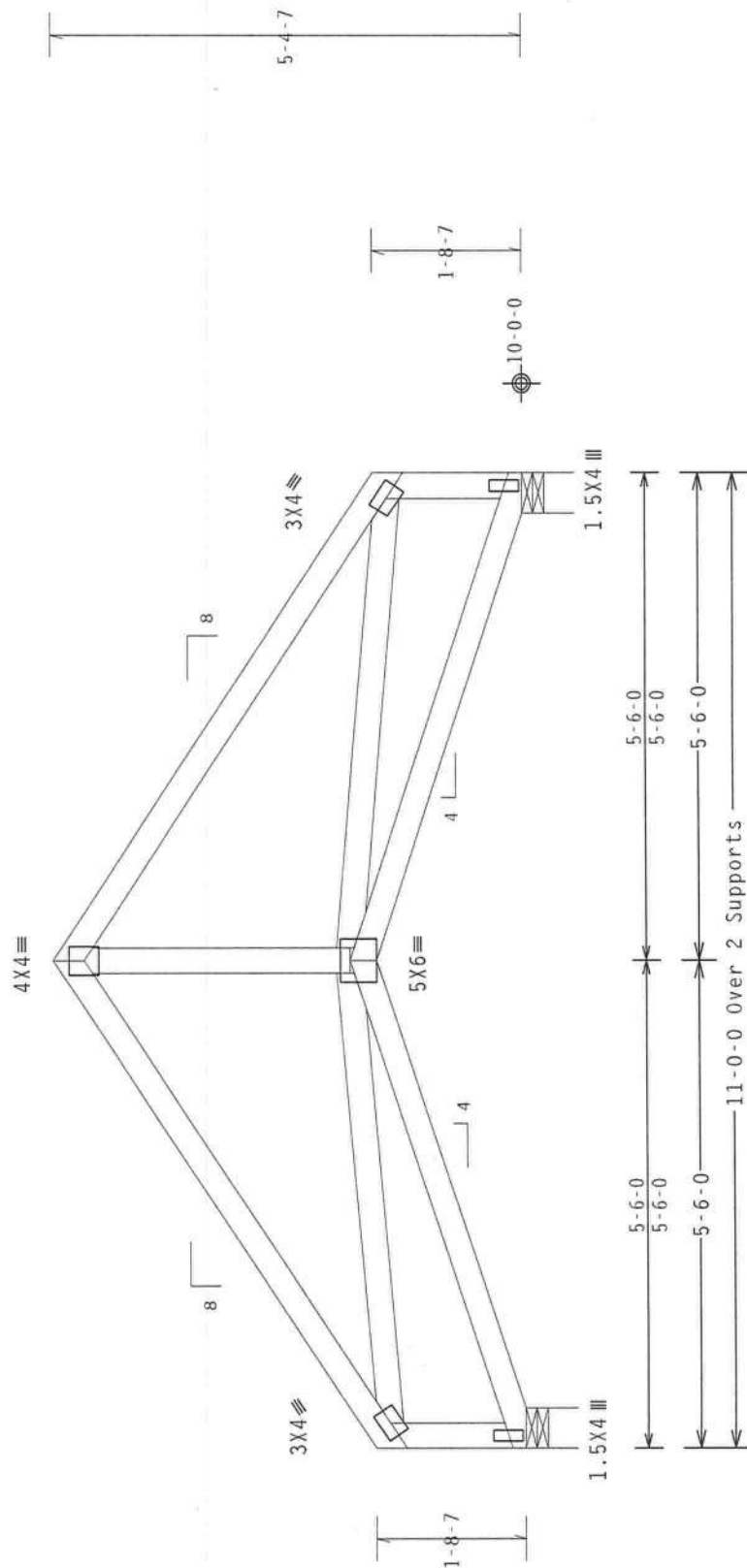
Bottom chord checked for 10.00 psf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind PC DL=5.0 psf, lw=1.00 GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.



R=468 H=34 W=5 5"

RL=81/-81

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .5"/Ft.

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

10.03.04.0601.16

3C200/Res/1PI-200Z (STD)
ET/RT=10%(0%)/0(0)

Design Crit:

PIT TVD Wave

PRINT TOTAL 000000

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

INSTALLERS FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Installers require extreme care in fabricating, handling, shipping, installing and bracing. See the latest edition of RCSC (Building Component Safety Information, by TPI and AISC) for practices prior to performing these functions. Installers shall provide temporary bracing per the RCSC Manual. The following are minimum requirements for bracing of the structural steel. The contractor shall note otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling system. The bottom chord shall have several restraint points. The bottom chord shall be braced at 810' intervals and shall be braced at 810' intervals.

The Building Components Group Inc. (HUBCO) shall not be responsible for any deviation from any failure or build to standard or specification, or for any damage to the building, its contents, fixtures, appliances, or equipment, or for any loss or injury to persons or property, arising from the installation, operation, maintenance, repair, or replacement of any component, or from any other cause, unless noted otherwise. Refer to drawings I60-2 for standard plate positions. A seal indicating or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ASHRAE 91 Sec.2. For more information see the general notes page; I14-Bldg; w_14bldg.cfm; I14-Bldg; w_14bldg.cfm; I14-Bldg; w_14bldg.cfm.

ALPINE

TTW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

REF- IUGY487_Z01

24.0'

1107/11/Kenneth/11/2011

.tpinst.org; WICA: www.sbcindustry.com;

For notes page: HM-BCB: www.itubeq.com; IPI: www.itubeq.comHaines City, FL 33844
FL 33844-3780

(11-209--Fill in later BOB JORDAN --, ** - E)

Top chord 2x4 SP #2 Dense :T2, T5 2x8 SP 2400f-2.0E;
 Bot chord 2x8 SP #1 Dense :B2, B3 2x12 SP SS;
 Webs 2x4 SP #3

Left and right cantilevers are exposed to wind

Calculated horizontal deflection is 0.18" due to live load and 0.22" due to dead load.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

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

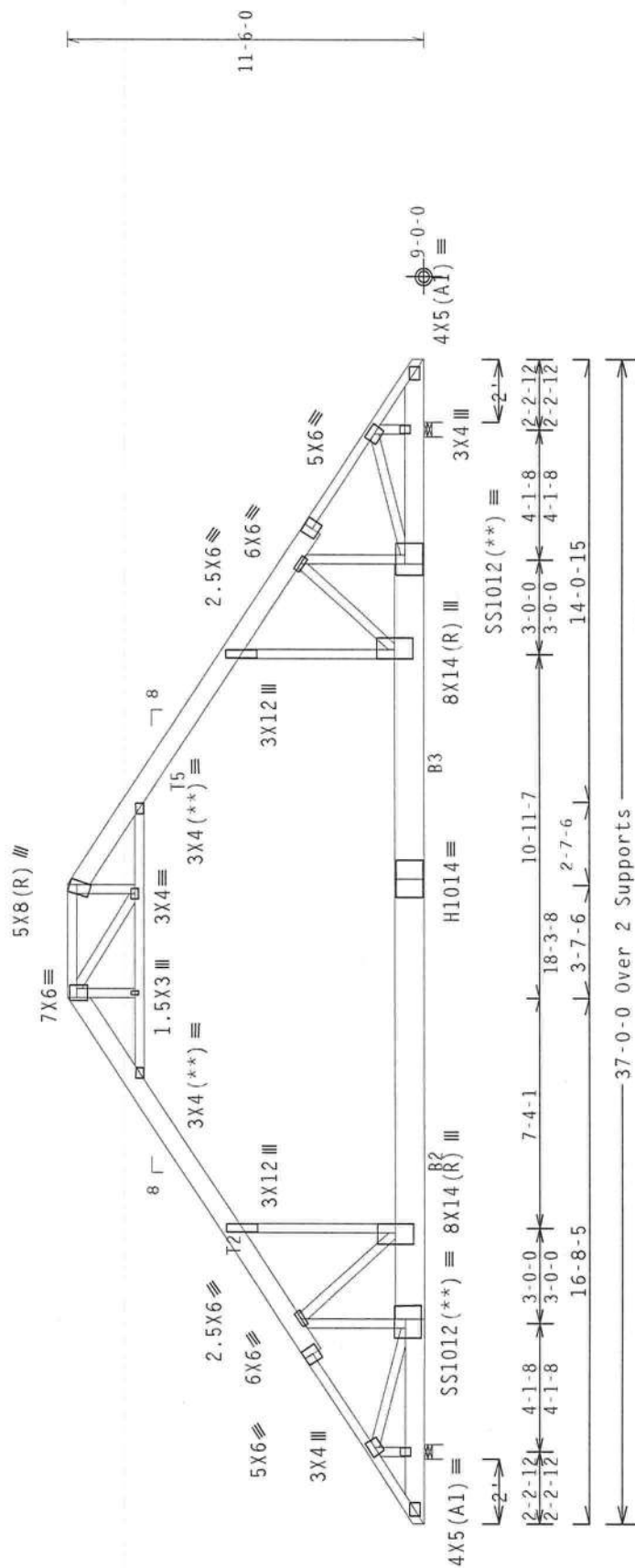
(**) 4 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

8C attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 9-6-0 to 27-6-0.



R=2772 U=112 W=5.5"

RL=259/-259

PLT TYP. 20 Gauge HS, 18 Gauge HS,
Wave

Wav 07

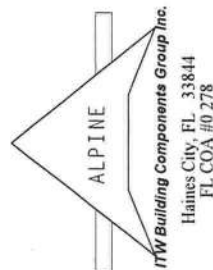
10.03.04.0601 15 QTY: 6 FL/-/4/-/-/R/-

Scale = .1875"/Ft.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trouses require extreme care in fabricating, handling, shipping, installing and bracing. Be sure to follow the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) for proper practices related to performing these functions. Installers that provide temporary bracing for the installation of the ceiling shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of the ceiling shall have bracing. Installed per WCSI sections B2 or B10, as applicable.

The Building Components Group Inc. (TUBCO) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with AISC/PF 1, or for handling, shipping, installation, erecting or bracing. Apply plates to each face of tension flange using A06-2 for standard plate position and A06-3 for non-standard plate position. See all drawings for details. The designer is responsible for providing complete information needed for manufacturing or erection. Listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per AISC/PF 1 Sec.2. For more information: This job's general notes page: [www.tubco.com](#); TUBCO: [tubco@tubco.net](#); [www.tubcoinc.com](#); [www.shcindustries.com](#).



Haines City, FL 33844

FL COA #0 278

JREF- 1UGY487_Z01

24.0' NG

JREF- 1UGY487_Z01

Top chord 2x4 SP #2 Dense

Bot chord 2x6 SP #2

W6 2x4 SP #3 :W2. W6 2x4 SP #2 Dense:

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpt(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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

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

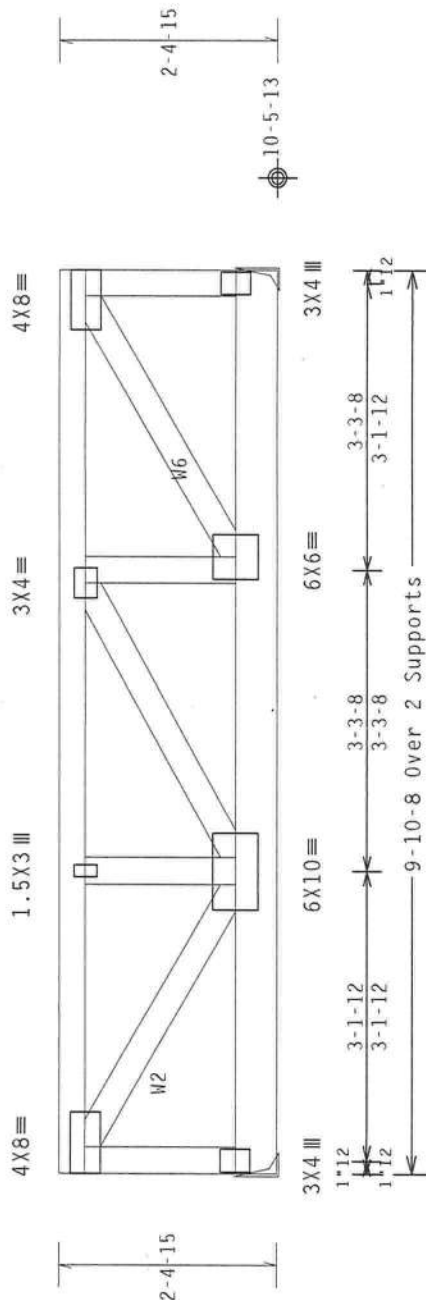
Special loads
----- (Lumber

Cellulose	Load	Dur. Fac. = 1.25 / (Lumber	Plate Dur. Fac. = 1.25)
TC	From	60 plf at 0.00 to	60 plf at 9.88
BC	From	10 plf at 0.00 to	10 plf at 9.88
BC	896.85 lb Conc.	Load at 1.94,	3.94, 5.94, 7.94

End verticals not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load.

Truss must be installed as shown with top chord up.



R=2140 U=4

www.elsevier.com/locate/jid

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0(0)

Scale = .5"/Ft.

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

*****IMPORTANT****
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of AISC's Building Component Safety Information, by IPI and WCA's *Composite Decking*, by WCA, for more information. The following information is for general informational purposes only. The manufacturer has the responsibility to ensure that the product is installed and braced in accordance with the manufacturer's instructions. The manufacturer is not responsible for any damage or injury resulting from the use of the product in any manner not intended by the manufacturer.

IN Building Components Group Inc. (INBCG) shall not be responsible for any deviation from the design shown on this drawing, including but not limited to, the following: (a) the design, engineering, manufacturing of trusses, apply plates to each face of truss and fasten as shown, including, but not limited to, the details, unless noted otherwise. Refer to drawings 1606-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/HP 1 Sec.2. For more information see: www.inbcg.com; general notes page; IN-ITC; www.inbcg.com; PPI: www.ppi.com; WTC: www.wtc.com;

1000

No. 90040

STATE OF

11-11-11

FLORIDA...

1997

110211

1107/11/14am/1841/1000

(11-209--Fill in later BOB JORDAN --, ** - G3)

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

Left cantilever is exposed to wind

(a) 1x4 #3SRB SPF-S or better "I" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 30.41 ft. from roof edge

Laterally brace chord member above filler @ 24" O.C. or as specified, including a lateral brace at chord ends.

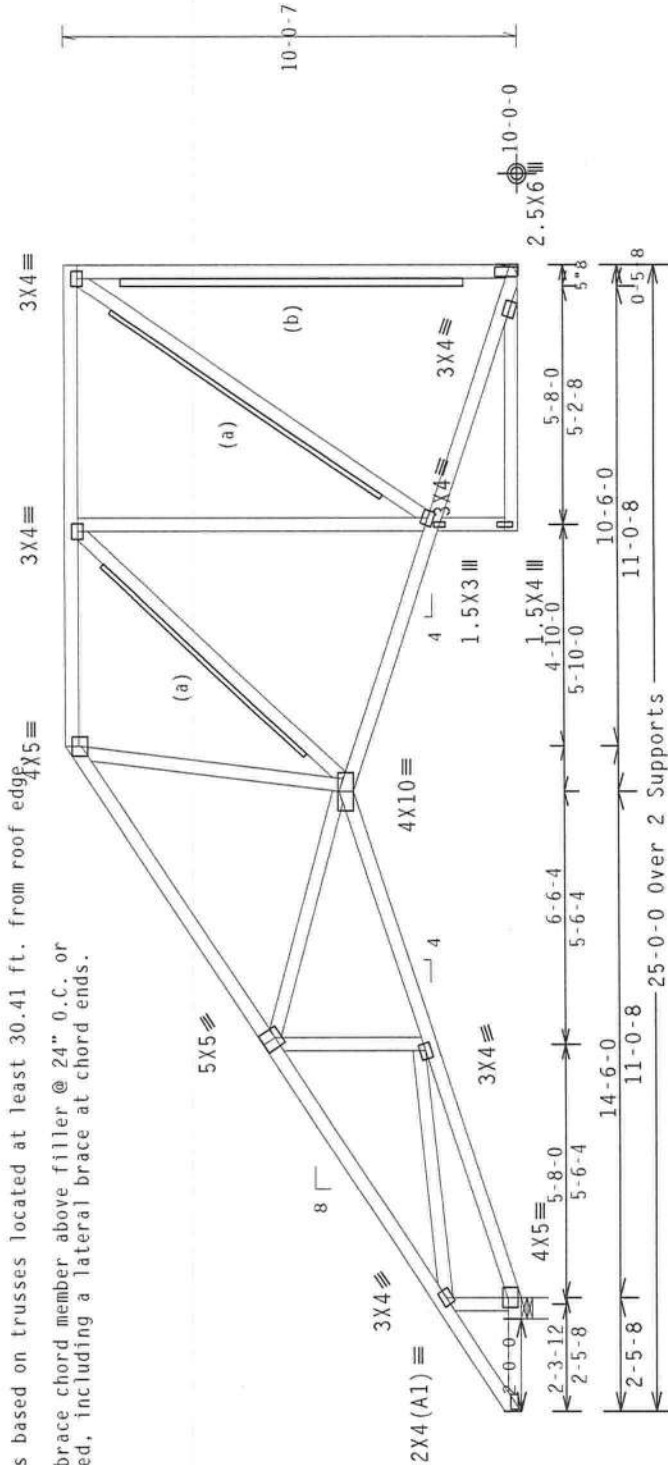
110 mph wind, 15.20 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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



R=1176 U=0 W=5.5"
RL=159/-77

R-943 U=99

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

Scale = .25" / Ft.

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

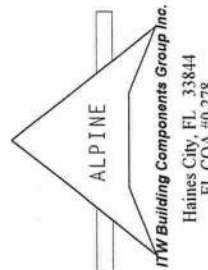
TC LL	20.0 PSF	REF	R487-- 7937
TC DL	10.0 PSF	DATE	11/11/11
BC DL	10.0 PSF	DRW	HCUSR487 11315045
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN	245558
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1UGY487_Z01



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

****IMPORTANT****
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for best practices prior to performing these functions. Installers shall provide proper bracing and bolting of chord members and shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

TPI Building Components Group Inc. (TIBCOG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the details. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal of approval drawing or cover page listing this drawing, indicates acceptance of professional engineering structural responsibility solely for the design shown. The authority and use of this information does not constitute an approval unless done by TIBCOG. TPI: www.tpi.net; TIBCOG: www.tibcog.com; WCA: www.wcaindustry.com; ICC: www.iccsafe.org



(11-209--f111 in later BOB JORDAN --, ** - 64)

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

Left cantilever is exposed to wind

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

(b) 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.

Bottom chord checked for 10.00 psf non-concurrent live load.

MWFRS loads based on trusses located at least 31.74 ft. from roof edge.

Laterally brace chord member above filler @ 24" O.C. or as specified, including a lateral brace at chord ends.

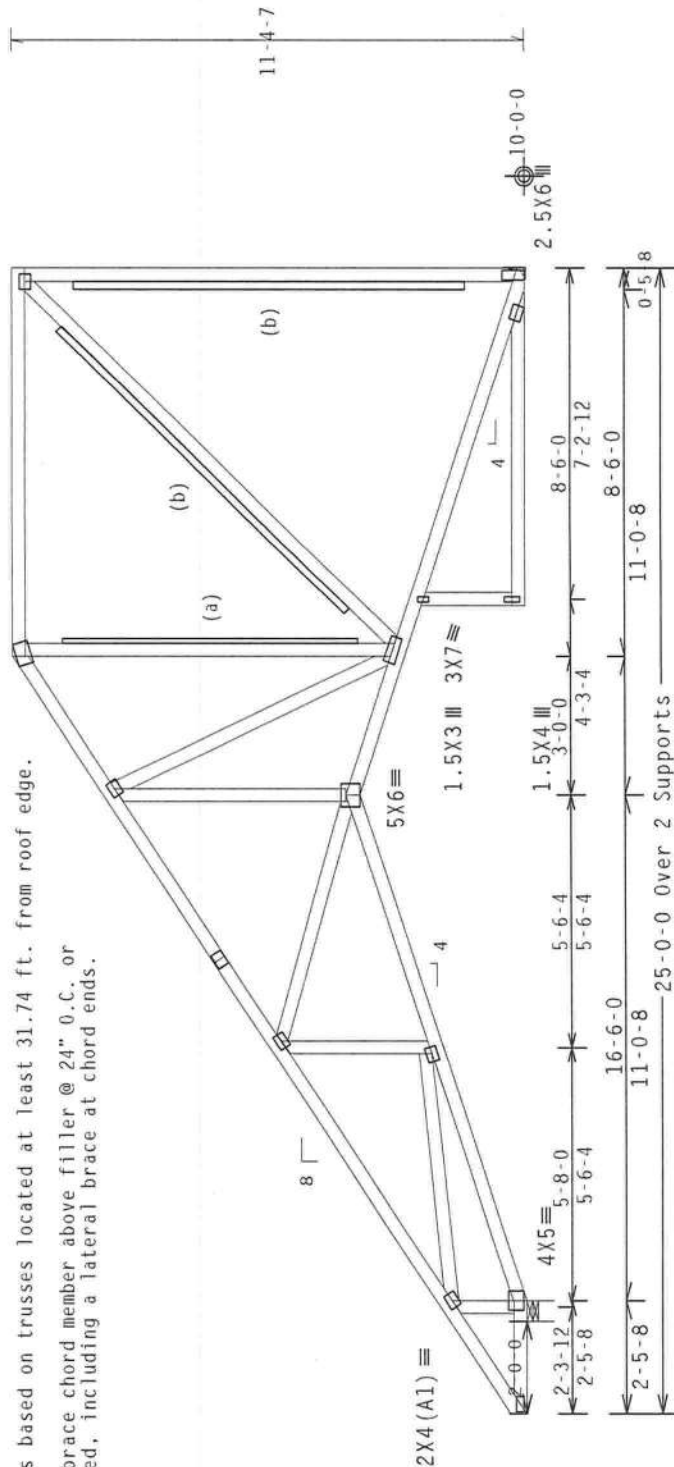
110 mph wind, 15.87 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

4X6 Deflection meets L/240 live and L/180 total load.



R=1177 U=0 W=5.5"

RL=184/-90

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10% (0%) / 0 (0)

Scale = .25" / Ft.

FL / - / 4 / - / R / -

QTY 1

10.03.04.0604.16

No. 66848

10.03.04.0604.16

10.03.04.0604.16

10.03.04.0604.16

10.03.04.0604.16

10.03.04.0604.16

REF R487-- 7938

DATE 11/11/11

DRW HCUR487 11315046

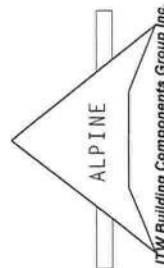
HC-ENG DF/DF

SEQN- 245592

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1UGY487_Z01



ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
****IMPORTANT****
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and BCS) for best practices prior to performing these functions. Installers shall provide temporary bracing and shoring until the truss is permanently braced and shored. The truss shall be braced and shored in accordance with the BCSI (Building Component Safety Information, by TPI and BCS) for permanent lateral restraint. The truss shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
The Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Order Details, unless noted otherwise. Refer to drawings 1604-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure, general notes page: 11B-BCSI; www.itwbcg.com; TPI: www.tpi.net.org; BCS: www.bcsindustry.com; ICC: www.iccsafe.org

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131" x 3" nails

Top Chord: 1 Row @12.00" o.c.

Bot Chord: 1 Row @ 4.50" o.c.

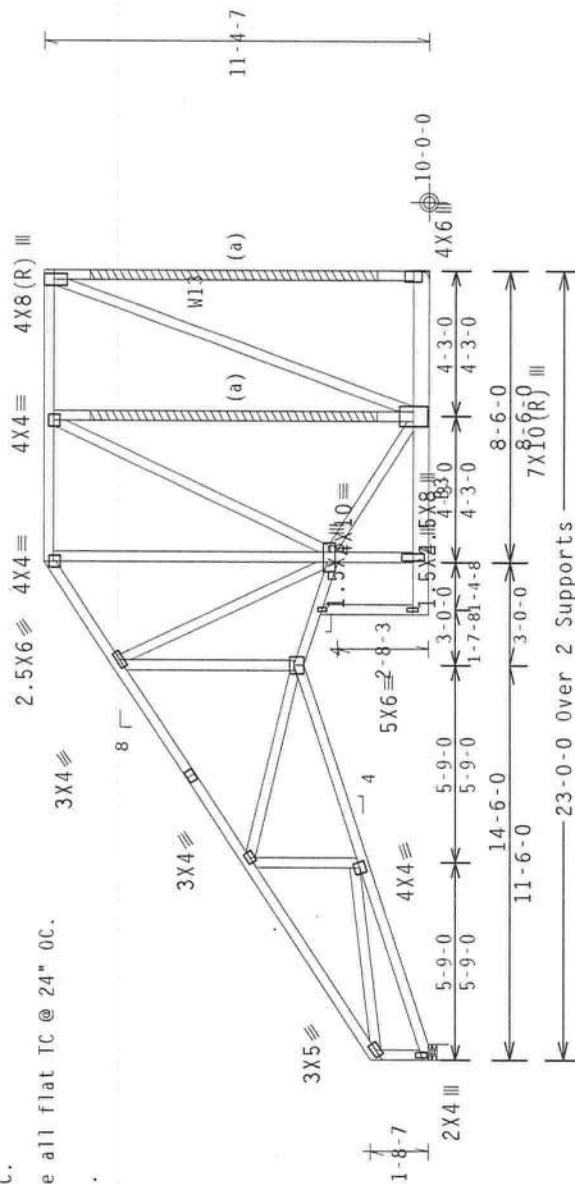
Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails

in each row to avoid splitting.

110 mph wind, 16.54 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi (+/-)=0.18

Right end vertical not exposed to wind pressure.



R=2475 U=184 W=5.5"

R=7116 U=512

Design Crit.: FRC2007Res/TPT-2002 (STD)

RT/RT=10% (0%) / 0 (0)

Scale = .1875" / Ft.

1	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
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EF R487-- 7940

DATE 11/11/11

URW HCUSR487 11315048

IC-ENG DF/DF

EQN- 245759

REF- 1UGY487_Z01

*****WARNING***** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in factoring, bracing, shoring, installing and bracing. Refer to the following latest edition of AISC (AISC Institute of Steel Construction, Inc.) and AISC (AISC Institute of Steel Construction, Inc.) practices prior to performing these functions. Installers shall provide temporary bracing for all trusses noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per AISC sections B3, B4, B10, as applicable.

The Building Components Group Inc. (UBCG) shall be responsible for any deviation from the design. The design shall be in accordance with ANSI/TPI 1 or for handling, shipping, installing, or unloading details, unless noted otherwise. Refer to drawings 1600-Z for standard plate positions. A seal on the manufacturing or cover plate listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see: This Job's UBCG, 11400 E. 1st Ave., Suite 100, Denver, CO 80231; info@ubcg.com; www.ubcg.com; www.11400e1st.com

PLT TYP. Wave

ALPINE

ITW Building Components Group Inc.

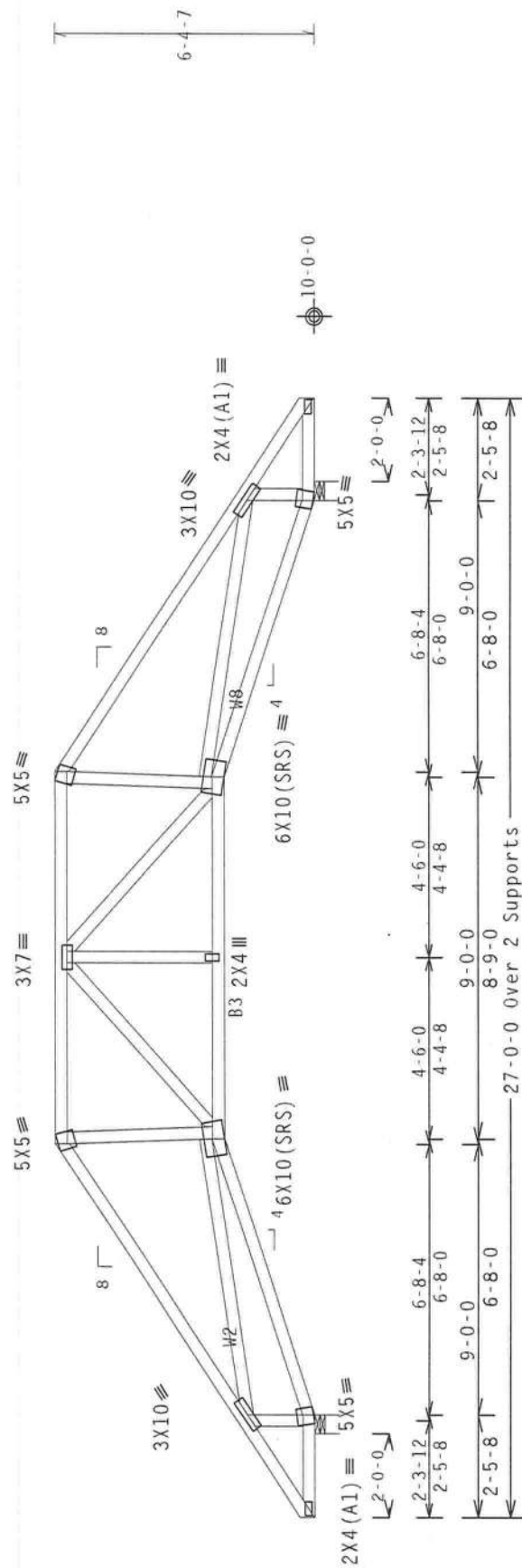
Haines City, FL 33844
FL COA #0278

1110 mph wind. 15.00 ft mean hot, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

#1 hip supports 9-0-0 jacks W/2 panel TC and no end vert.

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



R=2518 U=197 W=5.5"

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10%(0%)/0(0)

Scale = .25"/Ft.

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

QTY 1

04.0601.18

10.03.

(0) 0 / (%0)

 $T/RT=10\%$ (C)

F

design

e

T TYP. Wav

PL

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.**

****IMPORTANT****

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow the latest editions of the following codes and specifications for complete details of design, fabrication, erection and bracing. Truss connections shall comply with the provisions of the American Institute of Steel Construction, Inc. (AISC) Specification for Structural Steel Buildings, 13th Edition, 1989. Trusses shall be braced in accordance with the provisions of the AISC Specification for Structural Steel Buildings, 13th Edition, 1989. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per AISC sections B3, B4 and B5, as applicable.

The Building Components Group Inc. (BUCOG) shall not be responsible for any deviation from the design of the truss system. BUCOG shall be responsible for the design of the truss system, including any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the details. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: Building codes page: 116-076; web page: <http://www.bucog.com>; TPI: www.tpi.org; NRC: www.nrc.ca; and:



ALPINE
Building Components Group Inc.
 Haines City, FL 33844
 Tel. COA #0 778

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

Left end vertical not exposed to wind pressure.

Bottom chord checked for 10.00 psf non-concurrent live load.

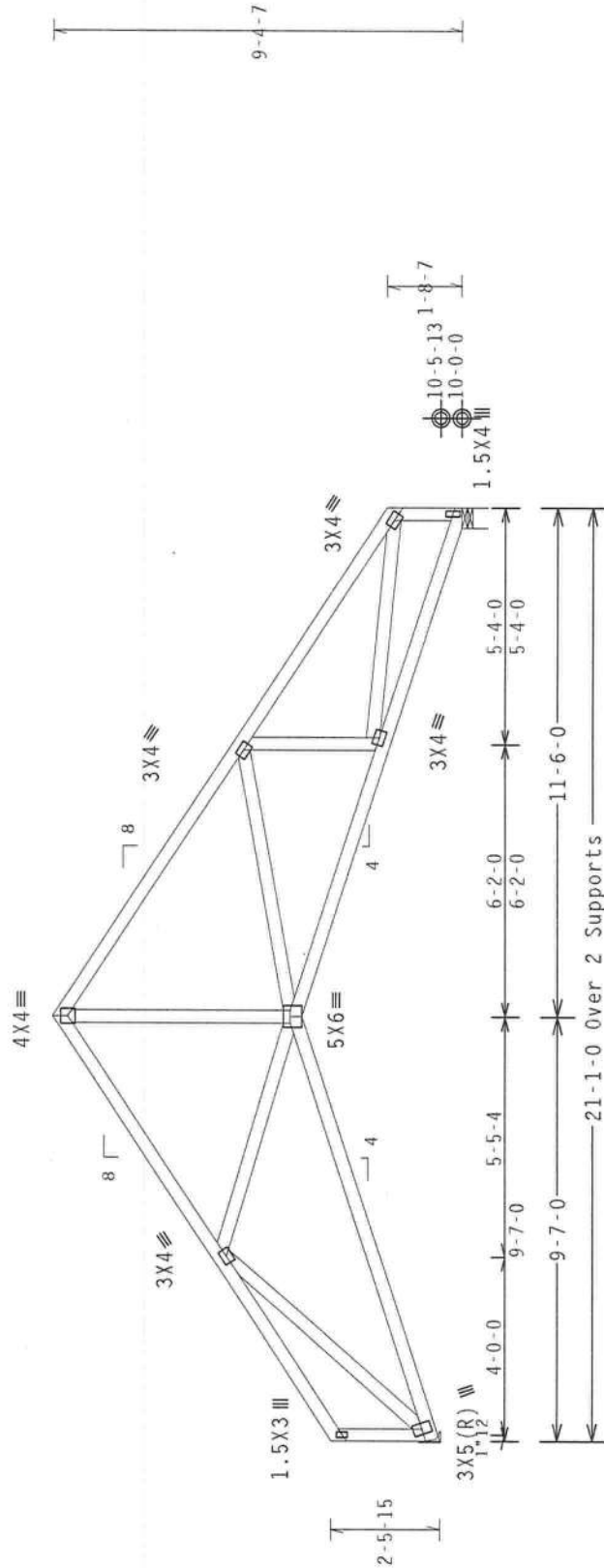
Shim all supports to solid bearing.

110 mph wind, 15.54 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind loads and reactions based on MMFRS with additional C&C member design.

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

MMFRS loads based on trusses located at least 15.54 ft. from roof edge.



R=897 U=0
RL=155/-166

U=0 W=5.5"

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10% (0%) / 0 (0)

Scale = .25" / Ft.

FL / - / 4 / - / R / -

TY: L

10.03.04 0603.16

No. 06648

11/11/11

DATE

REF R487-- 7943

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for details. Practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall be braced in accordance with the BCSI (Building Component Safety Information, by TPI and WCA) for details. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing or cover page listing this drawing. The suitability and use of this design for any structure is the responsibility of the building designer per ASCE/TPI 1 Sec. 2.2. For more information see: This Job's specifications. ITW-BCG: www.itwbcg.com, TPI: www.tpiinc.org, WCA: www.wcausa.org, ICC: www.iccsafe.org

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278



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

End verticals not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

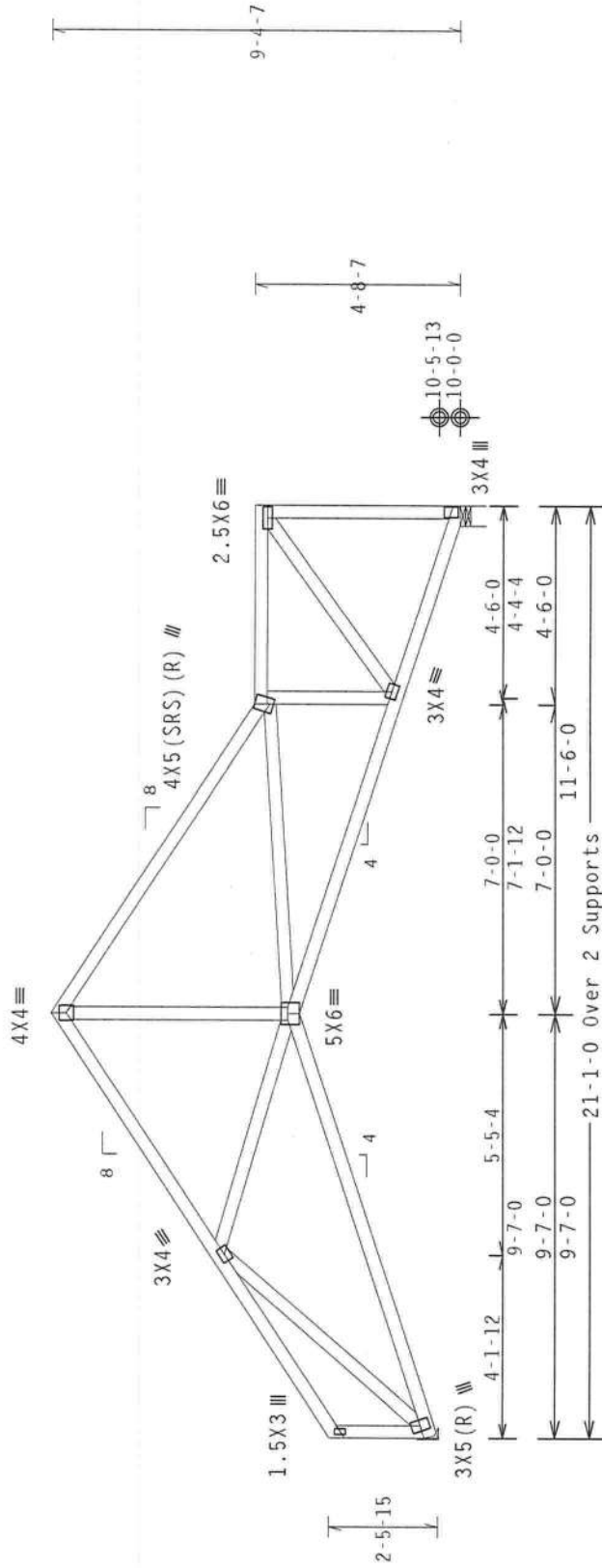
WMFRS loads based on trusses located at least 16.18 ft. from roof edge.

110 mph wind, 16.18 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

Wind loads and reactions based on WMFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

Shim all supports to solid bearing.



R=897 U=0
RL=135/-120

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%) / 0(0)

PLT TYP. Wave

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

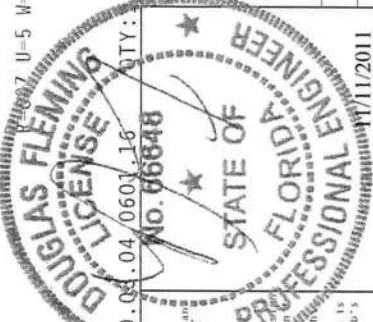
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for BCSI practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B5, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. Any deviation from the design shall be the responsibility of the contractor. This design is the property of ITWBCG and shall not be reproduced or used in any form without the written permission of ITWBCG. Refer to drawings 160A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITWBCG: www.itwbcg.com; TPI: www.tpinet.org; WCA: www.wcaindustry.com; IBC: www.ibccsa.org

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

10-03-04 0601.16 U-5 W-5.5"



FL / - 4 / - / R / -	TC LL	20.0 PSF	REF	R487 - - 7944
	TC DL	10.0 PSF	DATE	11/11/11
	BC DL	10.0 PSF	DRW	HCUSR487 11315052
	BC LL	0.0 PSF	HC-ENG	DF/DF
	TOT.LD.	40.0 PSF	SEON-	245456
	DUR.FAC.	1.25		
	SPACING	24.0"	JREF-	1UGY487_Z01

(11-209--Fill in later BOB JORDAN --, ** - GS3)

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

End verticals not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

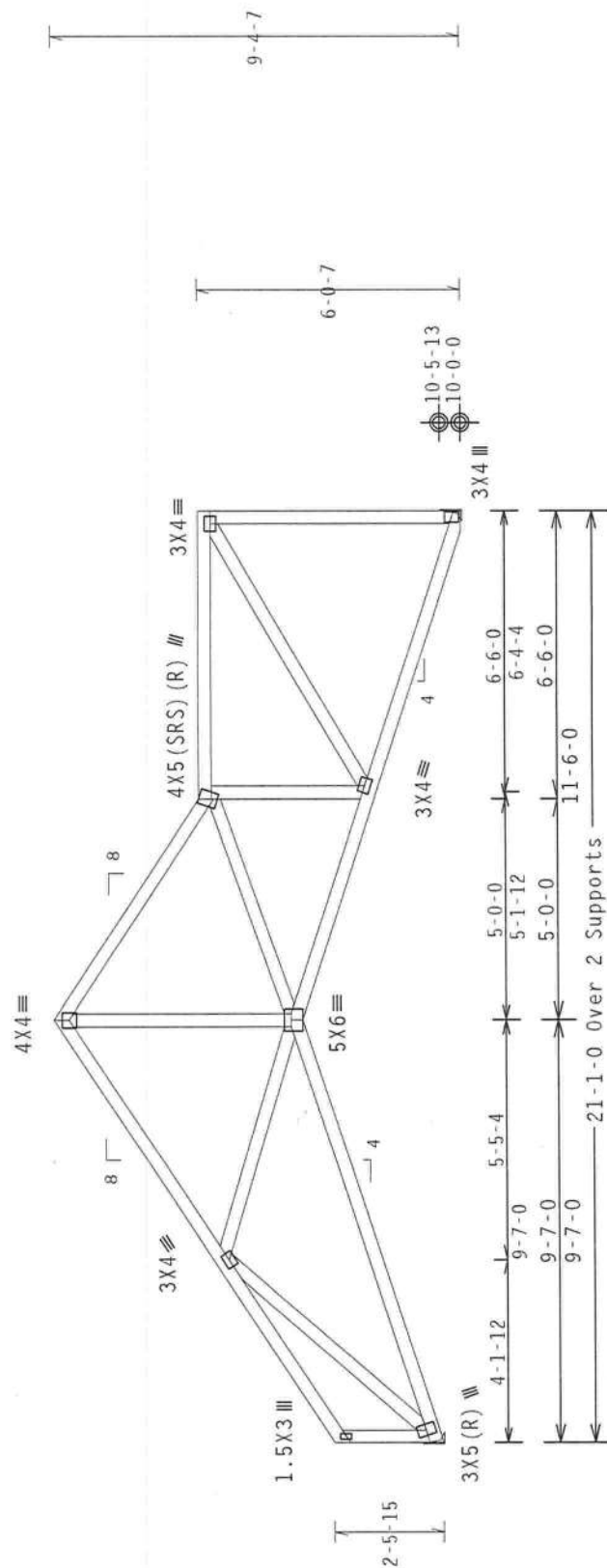
WWFERS loads based on trusses located at least 8.09 ft. from roof edge.

1110 mph wind, 16.18 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

Shim all supports to solid bearing.



R=897 U=53
RL=126/-99

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%) / 0(0)

PLT TYP. Wave

Scale = .25"/Ft.

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

OFF PA87-- 7945

20 0 PSE

DATE	11/11/11
TIME	1407 / 243

0	1	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
0	1	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

DATE 11/11/11

70.0 10.0 PSF

0RW HCUSR487 1131505

10.0 PSF

IC-ENG DF/DF

0.0 PSF

245467 SEON-

OT.LD. 40.0 PSF

125

1	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
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BOOK: FAC. 1.23

REF- IUGY48/_Z0

SPACING 24.0"

(11-209--Fill in later BOB JORDAN -- , ** - CJI)

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

Left and right cantilevers are exposed to wind

Bottom chord checked for 10.00 psf non-concurrent live load.

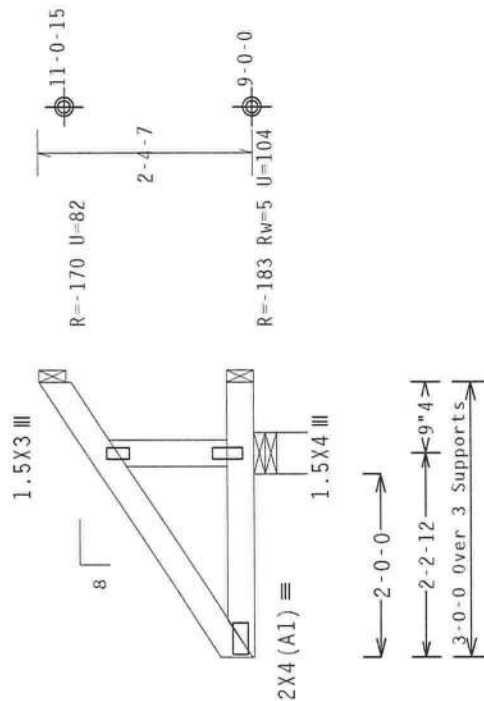
Deflection meets L/240 live and L/180 total load.

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

Negative reaction(s) of -183# MAX. (See below) from a non-wind load case requires uplift connection.

11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, Cl.OSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.



R=605 U=0 W=5.5"
RL=45

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10% (0%) / 0 (0)

Scale = .5"/Ft.

REF R487-- 7946

DATE 11/11/11

CPW HCUS8487 1131505A

JUC-ENG DE/DE

SECUN- 245701

SEQ- 245/91

UR.FAC. 1.25

JREF- 1UGY487_Z01

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**
 *DO NOT ALLOW COBOL TO ALL COMPACT CODE TRANSLATION INITIATED FOR

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. For up to date information on the proper installation of trusses, please refer to the latest edition of BESI Building Component Safety Information, by TPI and WCA for a complete listing of truss manufacturers. Trusses shall be braced in accordance with the manufacturer's instructions prior to performing these functions. Installers shall provide temporary bracing per the manufacturer's instructions. Trusses shall have properly attached structural sheathing and bottom chord bracing noted otherwise, but third shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BESI sections B3, B or B10, as applicable.

The Building Components Group Inc., (BUCOG) shall not be responsible for any deviation from the design or construction of the building components due to any failure to build the truss in conformance with ABSE/TPI 1, or for handling, shipping, installation or erection of the truss. The manufacturer shall be responsible for the design, engineering, manufacturing, processing of trusses. Apply plates to each race of truss and position as shown above and on the joining details, unless noted otherwise. Refer to drawings 100A-7 for standard plate positions. All welding shall conform to AWS D9.1M. The suitability and use of this design for any structure is the responsibility of the building designer per ABSE/TPI 1 Sec.2. For more information see: This job's general notes page; The B-GC: www.bldgcp.com; TPI: www.tpi-usa.org; MTC: www.mtcindustry.com; AISC: www.aisc.org



(11-209--Fill in later B08 JORDAN -- , ** - CJ3)

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

Left and right cantilevers are exposed to wind

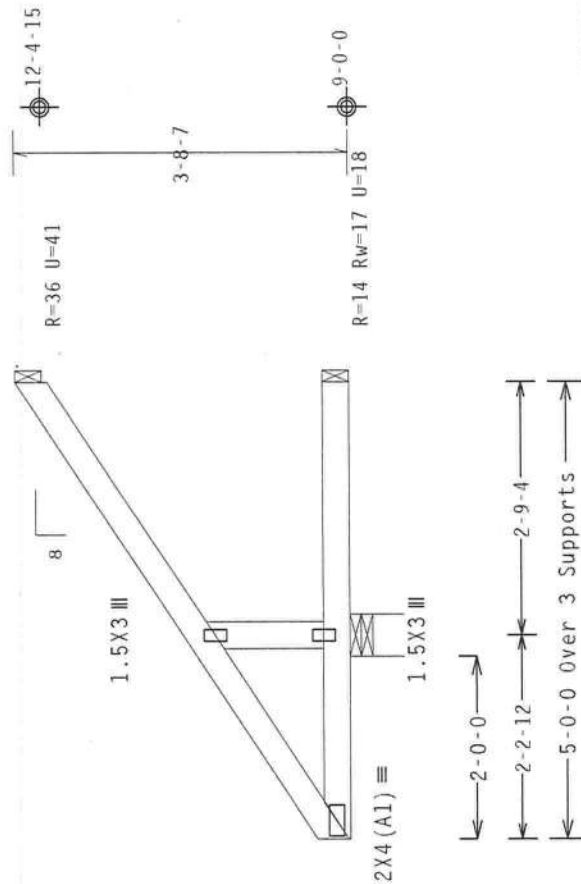
Bottom chord checked for 10.00 psf non-concurrent live load.

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

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind RC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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



R=400 U=0 W=5.5"
RL=76/-23

Design Crit: FBC2007Res/TPI-2002 (STD)
 $FT/RT=10\%(0\%)/0(0)$

PLT TYP. Wave

Scale = .5"/Ft.

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

RFF R487-- 7947

20.0	PSE
------	-----

No. 06848

650

NOTES ON THIS SHEET:

****WARNING** READ AND FOLLOW**

PLI ITP, wave

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

INSTRUCTIONS: FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTRUCTIONS. Treatises require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BESS (Building Component Safety Information) by TPI and AISC for all practices prior to performing this work. This design shall have permanent attached structural sheathing and location shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint only shall have bracing installed per BESS sections B3, B7 or B10, as applicable.

[illegible]

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
Tel. COA #0 278

nes City, FL 33844
FL COA #0 278

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

Left and right cantilevers are exposed to wind

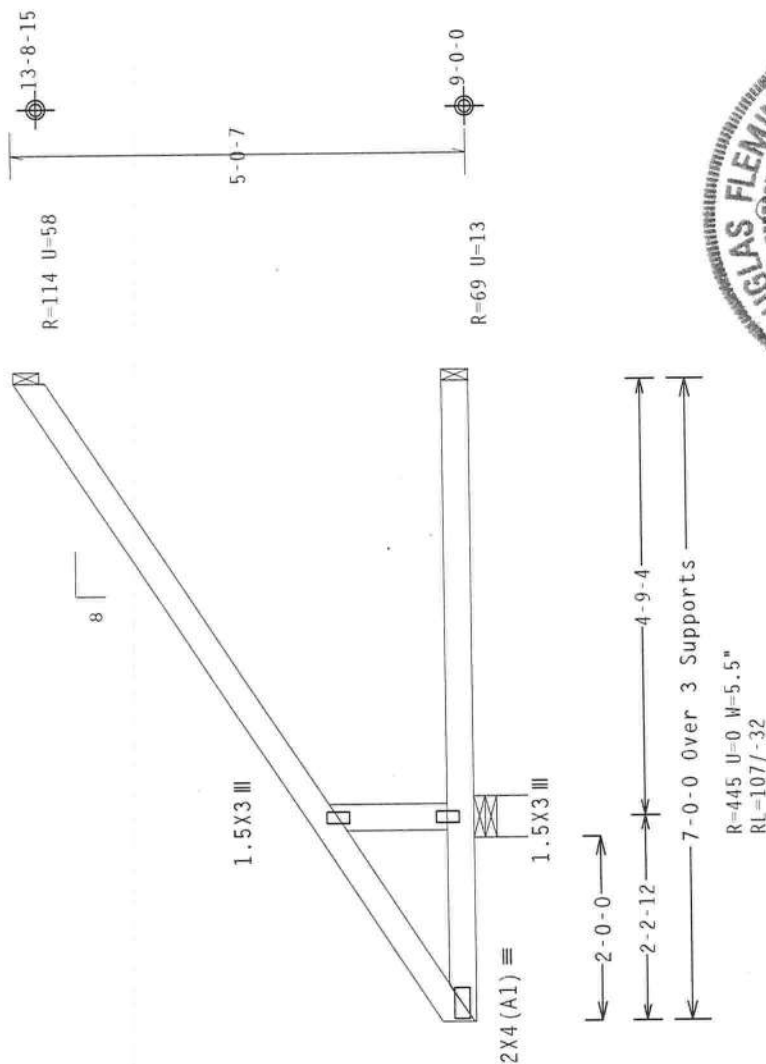
bottom chord checked for 10.00 psf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. $I_w=1.00$ GCPI(+)=0.18

Wind loads and reactions based on MUFRS with additional C&C member design.

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



R=445 U=0 W=5.5"
RL=107/-32

Design Crit: FBC2007Res/TPI-2002 (STD)
 $FT/RT=10\%(0\%)/0(0)$

Scale = .5"/Ft.

PLT TYP. Wave

ALPINE

nW Building Components Group Inc.

Haines City, FL 33814

FT/RT=10% (0%)/70 (0%)/30 (0%)

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSP (Building Components Safety Practices) for more information. BCSP practices prior to the design of this structure. The top chord shall have properly attached sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

The Building Components Group Inc. (BCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the drawing details, unless noted otherwise. Refer to drawings 160a-2 for standard plate positions. Sealing, drilling or cover page listing this drawing, indicates acceptance of this design for any structure is the responsibility solely for the design shown. For more information see: This Job's responsibility of the design shown. TPI: 9996-1016st.org; KICA: www.sdcindustry.com;

REF	R487--	7948
DATE	11/11/11	
DRW	HCUSR487	11315056
HC-ENG	DF/DF	
SEQN-	245190	
JREF-	1UGY487_Z01	

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

No. 66648

STATE OF FLORIDA

PROFESSIONAL ENGINEER

11/11/2011

11-209--Fill in later BOB JORDAN -- , ** - EJ7)

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

Left and right cantilevers are exposed to wind

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

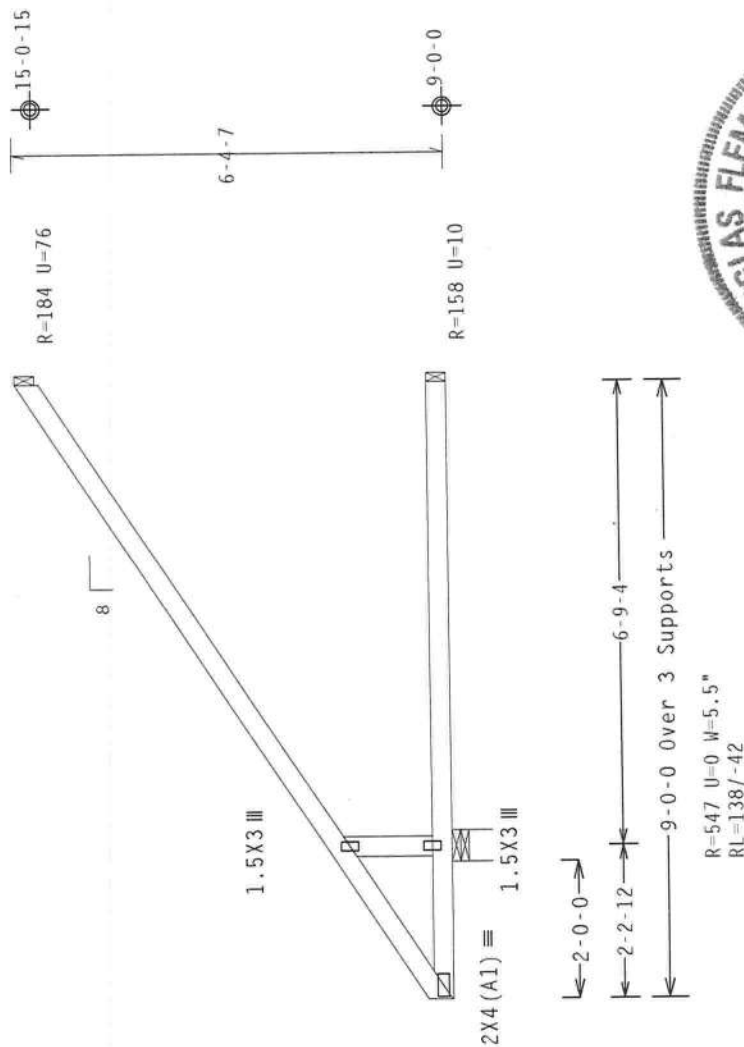
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

WUFS loads based on trusses located at least 7.50 ft. from roof edge.



R=547 U=0 W=5.5"
RL=138/-42

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%)/0 (0)

10.0

***WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

***IMPORTANT**
Involves require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information, by TPI and which references practices prior to performing these functions. Installers shall structural sheathing and bottom chord unless noted otherwise. Top chord shall have a minimum of 2x6. Locations shown for permanent lateral restraint of web shall have a properly detailed connection. BCSI sections B3, B7 or B10, as applicable.

Design Crit: FBC2007Res/TPI-2002 (STD)
 $FT/RT=10\%(0\%) / 0(0)$

PLT TYP. Wave

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FLCOA #0 278

Scale = .375"/Ft.

R487-- 7949

DATE 11/11/11

11315057

C - ENG DE / DE

IC ENG DI/BI

743153

REF- 1UGY487_201

(11-209--Fill in later BOB JORDAN --, ** - HJ7)

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

Left and right cantilevers are exposed to wind

The following members need concentrated loads at the heel: 5-0-0 span/setback member on the 2-0-0 cant side requires 46 lbs and the 5-0-0 span/setback member on the 2-0-0 cant side requires 46 lbs.

Hipjack supports 9-0-0 setback jacks with 2-0-0 cantilever one face; 2-0-0 cantilever opposite face.

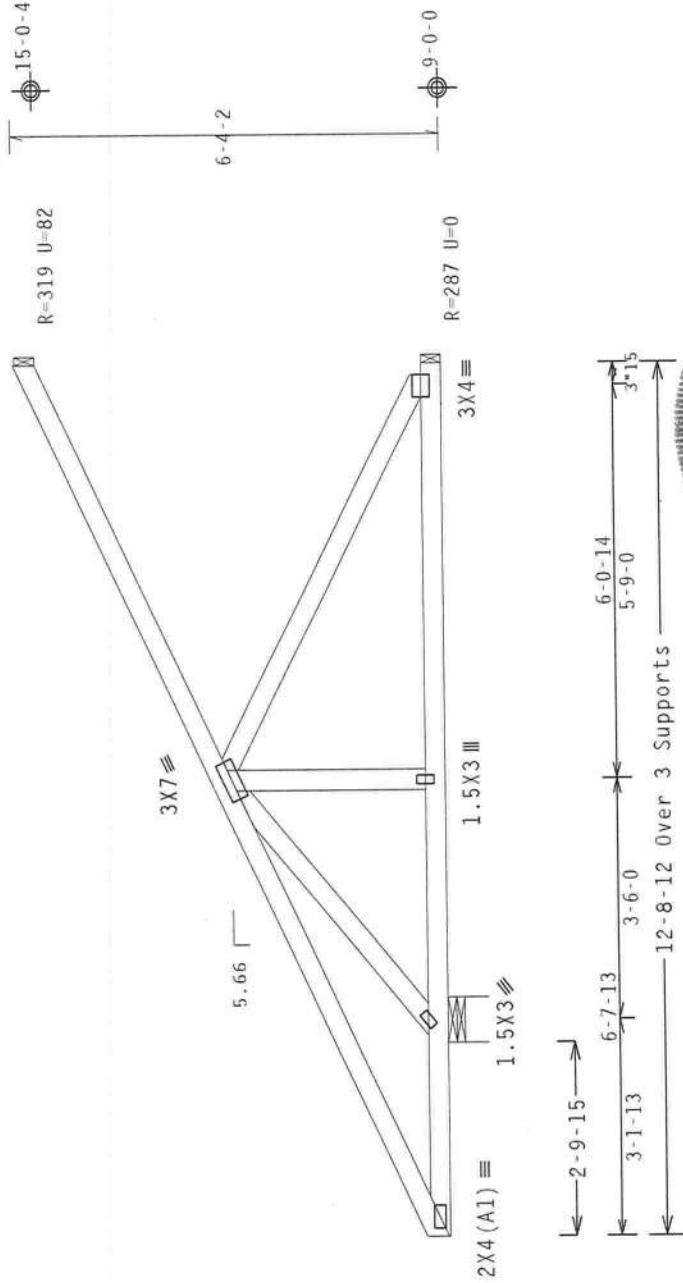
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Sub-fascia beam assumptions: 5-0-0 sub-fascia beam on the 2-0-0 cantilever side, 5-0-0 sub-fascia beam on the 2-0-0 cantilever side.

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

Provide (3) 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.



R=564 U=65 W=7.778"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

Scale = .375" / Ft.

FL / - / 4 / - / R / -

PLT TYP. Wave

REF	R487 - -	7950
DATE	11/11/11	
DRW	HCUSR487 11315058	
HC-ENG	DF/DF	
SEQN	245214	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1UGY487_Z01	

DOUGLAS FLEMING
LICENSE
No. 06648
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
11/11/2011

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
****IMPORTANT**** Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Be sure to follow the latest edition of BCSI Building Components Group Inc. (BCSI) specifications, information, by TPI and BCSI for BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of top chord shall have bracing installed per BCSI sections B5, B7 or B10, as applicable.
TPI Building Components Group Inc. (TPI/BCSI) shall not be responsible for any deviation from this design for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint. Details, unless noted otherwise. Refer to drawings 100-2 or 100-3 for details. This drawing is a preliminary drawing or cover page listing this drawing. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; TPI-BCSI: www.tpi-bcsi.com; TPI: www.tpiinst.org; BCSI: www.bcsiindustry.com; ICC: www.iccsafe.org

ALPINE
TPI Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

(11-209--Fill in later BOB JORDAN -- ** - J1)

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

Left and right cantilevers are exposed to wind

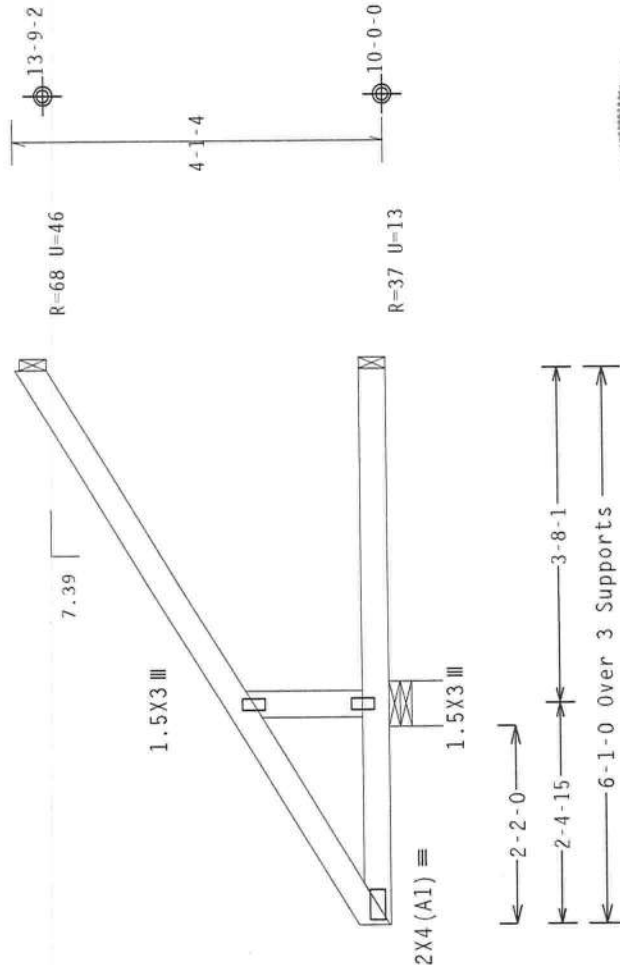
Bottom chord checked for 10.00 psf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. lw=1.00 GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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



Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10%(0%)/0(0)

Scale = .5"/Ft.

PLT TYP. Wave	F / R / I = 10% / 0% / 70% / 0%		REF R487 - - 7951	
ALPINE	TC LL 20.0 PSF		DATE 11/11/11	
	TC DL 10.0 PSF		DRW HCUSR487 11315059	
	BC DL 10.0 PSF		HC-ENG DF/DF	
	BC LL 0.0 PSF		SEQN- 245300	
	TOT.LD. 40.0 PSF		DUR.FAC. 1.25	
SPACING 24.0"		JREF- 1UGY487_Z01		

(11-209--Fill) In later BOB JORDAN -- , ** - J2)

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

Left and right cantilevers are exposed to wind

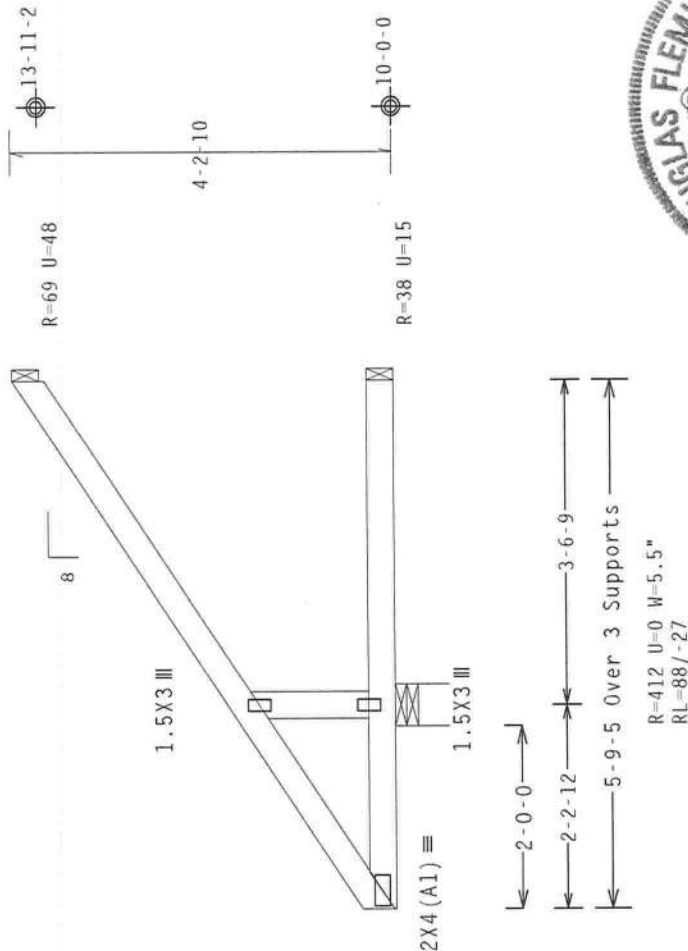
Bottom chord checked for 10.00 psf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. lw=1.00 GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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



R=412 U=0 W=5.5"
RL=88/-27

Design Crit: FBC2007Res/TP1-2002 (STD)
FT/RT=10%(0%) / 0(0)

PLT TYP. Wave

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

Scale = .5" / Ft.

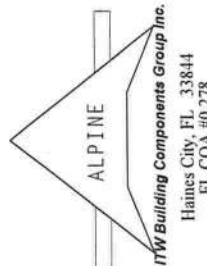
REF	R487--	7952
DATE	11/11/11	
DRW	HCUSR487	11315060
HC-ENG	DF/DF	
SEQN-	245303	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF-	1UGY487_Z01	



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Component Safety Information, by IPI and WCA for BCSI practices prior to performing these functions. Installers shall provide temporary bracing per BCSI, unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

IPI Building Components Group Inc. (IPI/BCG) shall not be responsible for any deviation from this design for any failure to build the truss in conformance with ANSI/TP1 1, or for handling, shipping, installing, or bracing of trusses. Apply plates to end connections of top and bottom chords in the joints. The designer's responsibility is to provide a design that meets the requirements of the applicable code. The designer's responsibility is solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TP1 1 Sec.2. For more information see: This Job's general notes page; IPI-BCG; www.ipeco.com; IPI: www.ipeco.com; IPI: www.ipeco.com; IPI: www.ipeco.com; ICC: www.iccsafe.org



11-209--Fill in later BOB JORDAN -- , ** - J3)

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

Left and right cantilevers are exposed to wind

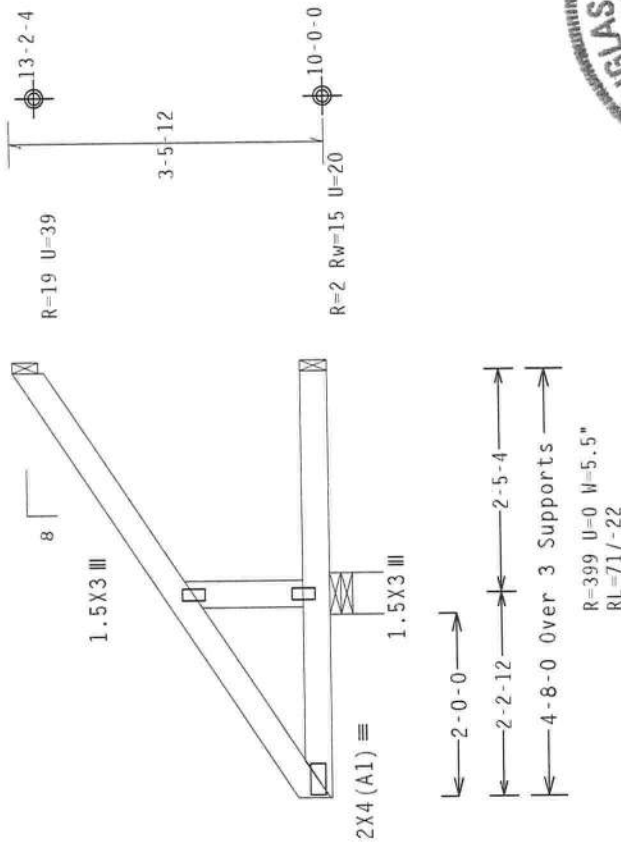
system chord checked for 10 00 nsf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, $I_w=1.00$ GCbf (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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

Design Crit: FBC2007Res/TPI-2002 (STD)
 $FT/RT=10\%(0\%)/0(0)$

PLT TYP. Wave

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FI COA #0 278

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**
 WARNING: THIS DESIGN IS FOR CONTRACTORS INCLUDING INSTALLERS.

[illegible][illegible]

Scale = .5"/Ft.

REF R487-- 7953

DATE 11/11/11

ПДМ 4СНСР487 11315061

HC-ENG DE/DE

CEON- 245306

101. LD.	10.0
102. LD.	1.0

1.25

JREF- 1UGY487 Z01

(11-209--Fill in later BOB JORDAN --, ** - J5)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. $I_w=1.00$ GCpi (+/-)=0.18

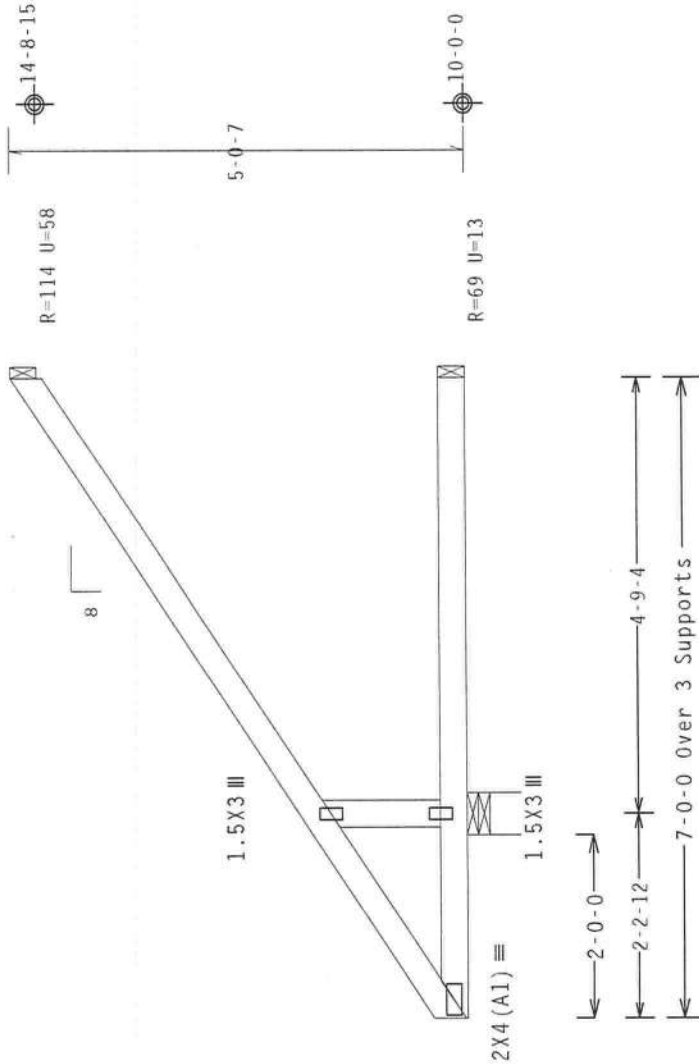
Left and right cantilevers are exposed to wind

Wind loads and reactions based on MWFRS with additional C&C member design.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

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



Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

Scale = .5" / Ft.

FL / - / 4 / - / R / -

QTY 3

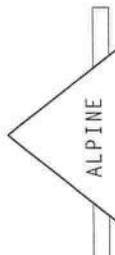
10.03.04.0601.16

10.03.04.0601.16

10.03.04.0601.16

10.03.04.0601.16

10.03.04.0601.16

 Haines City, FL 33844 FL COA #0 278	No. 06848		REF R487-- 7954		
	10.03.04.0601.16		DATE 11/11/11		
	10.03.04.0601.16		DRW HCUSR487 11315062		
	10.03.04.0601.16		HC-ENG DF/DF		
	10.03.04.0601.16		SEQN- 245309		
	10.03.04.0601.16		JREF- 1UGY487_Z01		
Douglas Fleming Professional Engineer State of Florida No. 06848 10.03.04.0601.16			TC LL 20.0 PSF		
Douglas Fleming Professional Engineer State of Florida No. 06848 10.03.04.0601.16			TC DL 10.0 PSF		
Douglas Fleming Professional Engineer State of Florida No. 06848 10.03.04.0601.16			BC DL 10.0 PSF		
Douglas Fleming Professional Engineer State of Florida No. 06848 10.03.04.0601.16			BC LL 0.0 PSF		
Douglas Fleming Professional Engineer State of Florida No. 06848 10.03.04.0601.16			TOT.LD. 40.0 PSF		
Douglas Fleming Professional Engineer State of Florida No. 06848 10.03.04.0601.16			DUR.FAC. 1.25		
Douglas Fleming Professional Engineer State of Florida No. 06848 10.03.04.0601.16			SPACING 24.0"		

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Iw=1.00 GCpi (+/-)=0.18

Left and right cantilevers are exposed to wind

Bottom chord checked for 10.00 psf non-concurrent live load.

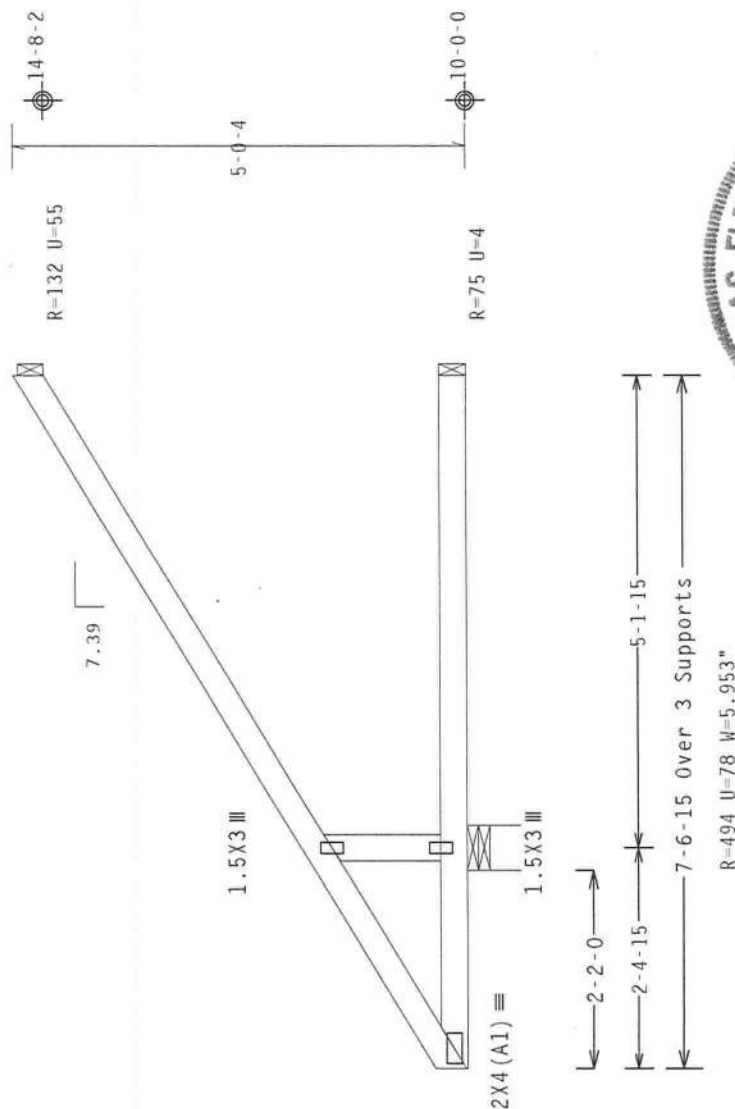
Deflection meets L/240 live and L/180 total load.

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

Special loads

Species (number)	Dur.	Fac.=1.25	/	Plate	Dur.	Fac.=1.25
TC- From	63 pif	at 0.00	to	63 pif	at 7.58	
BC- From	20 pif	at 0.00	to	20 pif	at 7.58	
TC- 19.14	1b Conc.	Load at		5.10		
BC- 14.00	1b Conc.	Load at		5.04		

Wind loads and reactions based on MWFRS with additional C&C member design.



Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10%(0%)/0(0)

PIT TYP. Wave

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!

*****IMPORTANT**** FURNISH THIS SECTION TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCST (Building Component Specification, by TPI and WFLCA) for all truss practices prior to performing these functions. Installers shall provide temporary bracing per BCST. If not noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint (note 1) shall have bracing installed per BCST sections B3, For B10, as applicable.

The Bulfinch Connectors Group, Inc. (Bulfinch) shall not be responsible for any deviation from the design or failure to build the truss in conformance with ANSI/P1-1, or for handling, shipping, installation or erection of the truss. The manufacturer shall be responsible for the design, fabrication, and erection of the truss. Details, unless noted otherwise, refer to drawings 1600-Z for standard plate positions. A seal on the drawing or cover page listing this design drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/P1-1, Sec.2. For more information see: this job's general notes page; 114-0102; www.bulfinch.com; AISC; and the following:

Scale = .5"/Ft.

REF R487-- 7955

DATE 11/11/11

DRW HCUSR487 11315063

HC-ENG DF/DF

SEQN-	245319
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JREF- 1UGY487_Z01

(11-209--Fill in later BOB JORDAN -- , ** - JV1)

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

Left and right cantilevers are exposed to wind

bottom chord checked for 10.00 psf non-concurrent live load.

deflection meets 1/240 live and 1/180 total load.

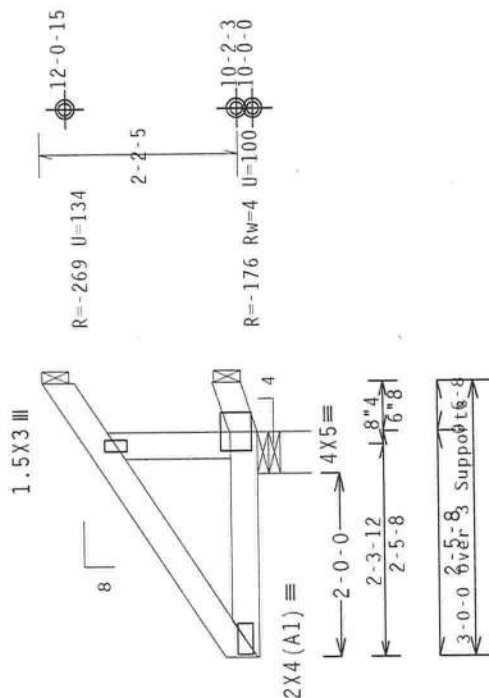
Shim all supports to solid bearing.

Negative reaction(s) of -269# MAX. (See below) from a non-wind load case requires uplift connection.

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpi(+/-)=0.18

Wind Loads and reactions based on MWFRS with additional C&C member design.

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.



R=698 U=0 W=5.5"
RI=46

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%) / 0(0)

PLT TYP. Wave

ALPINE

TW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

[illegible]

0 FL/-/4/-/ -/R/-	Scale = .5"/Ft.
TC LL 20.0 PSF	REF R487 - - 7956
TC DL 10.0 PSF	DATE 11/11/11
BC DL 10.0 PSF	DRW HCUSR487 11315064
BC LL 0.0 PSF	HC-ENG DF/DF
TOT.LD. 40.0 PSF	SEQN- 245332
DUR.FAC. 1.25	
SPACING 24.0"	REF- 1UGV487_Z01

(11-209--F111 in later BOB JORDAN -- ** - JV3)

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

Left and right cantilevers are exposed to wind

Bottom chord checked for 10.00 psf non-concurrent live load.

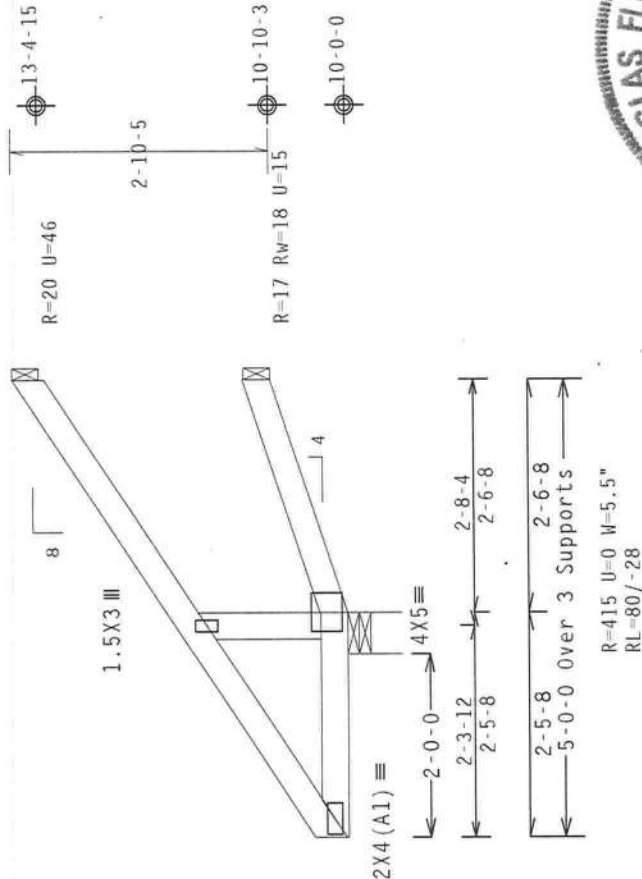
Shim all supports to solid bearing.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0
psf, IW=1.00 GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member
design.

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

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



Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

Scale = .5" / Ft.

REF R487-- 7957

DATE 11/11/11

DRW HCUSR487 11315065

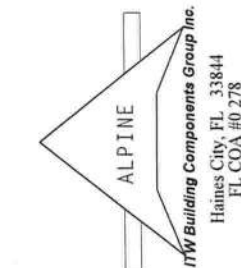
HC-ENG DF/DF

SEQN- 245336

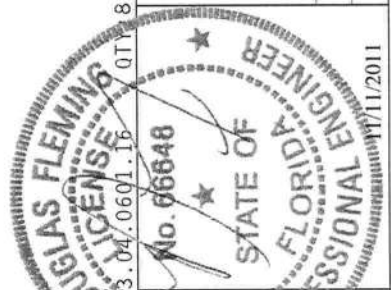
DUR.FAC. 1.25

SPACING 24.0"

JREF- 1UGY487_Z01



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the
latest edition of BCSI Building Component Safety Information, by TPI and WCA for safety
practices prior to performing these functions. Installers shall provide temporary bracing per BCSI
unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord
shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint for webs
shall have bracing installed per BCSI sections B5, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design
any failure to build the truss in accordance with ABSI/TPI 1, or for handling, shipping, installing, or
bracing of trusses. Apply plates to each face of truss members per BCSI section 2.2 for standard plate positions. A seal
details, unless noted otherwise. Listing this drawing, indicates acceptance of professional engineering
responsibility solely for the design shown. The suitability and use of this design for any structure
general notes page; ITWBCG: www.itwbcg.com; TPI: www.tpiinst.org; WCA: www.wcaindustry.com;
ICC: www.iccsafe.org



(11-209--Fill in later BOB JORDAN --, ** - JV5)

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

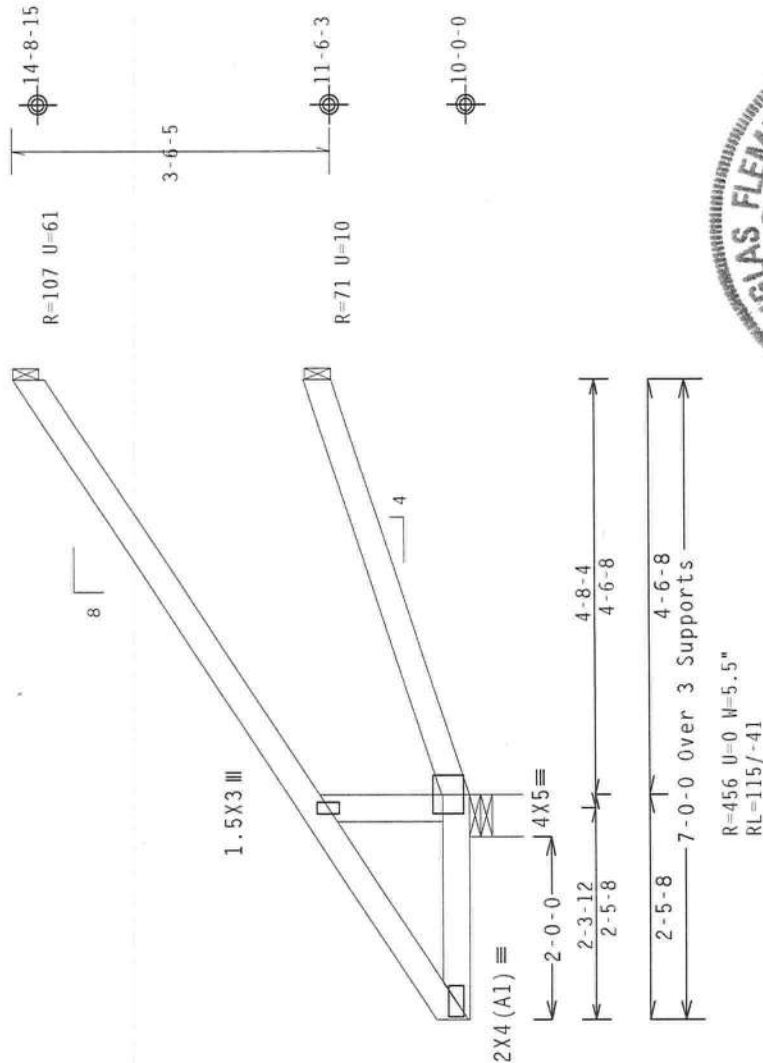
Left and right cantilevers are exposed to wind
Bottom chord checked for 10.00 psf non-concurrent live load.
Shim all supports to solid bearing.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. lw=1.00 GCpl(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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

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



Design Crit: FBC2007Res/TP1-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

Scale = .5"/Ft.

FL / - 4 / - / R / -

QTY 5

10.03.04.060.16

REF R487-- 7958

DATE 11/11/11

DRW HCUSR487 11315066

HC-ENG DF/DF

SEQN- 245340

JREF- 1UGY487_Z01

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Component Safety Information, by TPI and WCA for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B19, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design for any failure to build the truss in accordance with AWSI/TP1 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the details. Details, unless noted otherwise, shall be in accordance with AWSI/TP1 1. The responsibility for the responsibility of the building designer per AWSI/TP1 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinat.org; WCA: www.wcaindustry.com; ICC: www.iccsafe.org

No. 06848

10.03.04.060.16

REF R487-- 7958

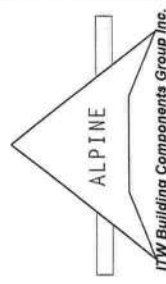
DATE 11/11/11

DRW HCUSR487 11315066

HC-ENG DF/DF

SEQN- 245340

JREF- 1UGY487_Z01



(11-209--F111 in later BOB JORDAN -- ** - JV3S)

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

Bottom chord checked for 10.00 psf non-concurrent live load.

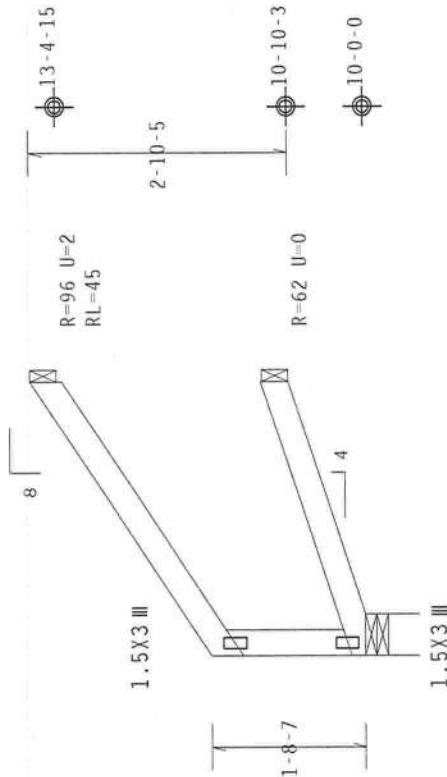
Deflection meets L/240 live and L/180 total load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Shim all supports to solid bearing.



Design Crit: FBC2007Res/TPI-2002 (STD)

FT/RT=10% (0%) / 0 (0)

Scale = .5" / Ft.

FL / - 4 / - / - R / -

QTY 2

10.03.04.0601.18

REF

DATE

DRW

HC-ENG

DF/DF

SEQN-

JREF-

1UGY487_201

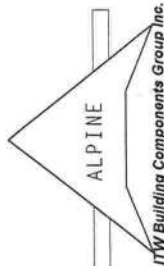
7959

11/11/11

11315002

245343

24.0"



(11-209--Fill in later BOB JORDAN --, ** - JV71)

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

Left end vertical not exposed to wind pressure.

Calculated horizontal deflection is 0.29" due to live load and 0.19" due to dead load.

Bottom chord checked for 10.00 psf non-concurrent live load.

Fasten rated sheathing to one face of this frame.

MWFRS loads based on trusses located at least 7.52 ft. from roof edge.

110 mph wind, 15.04 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof. CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCpi (+/-)=0.18

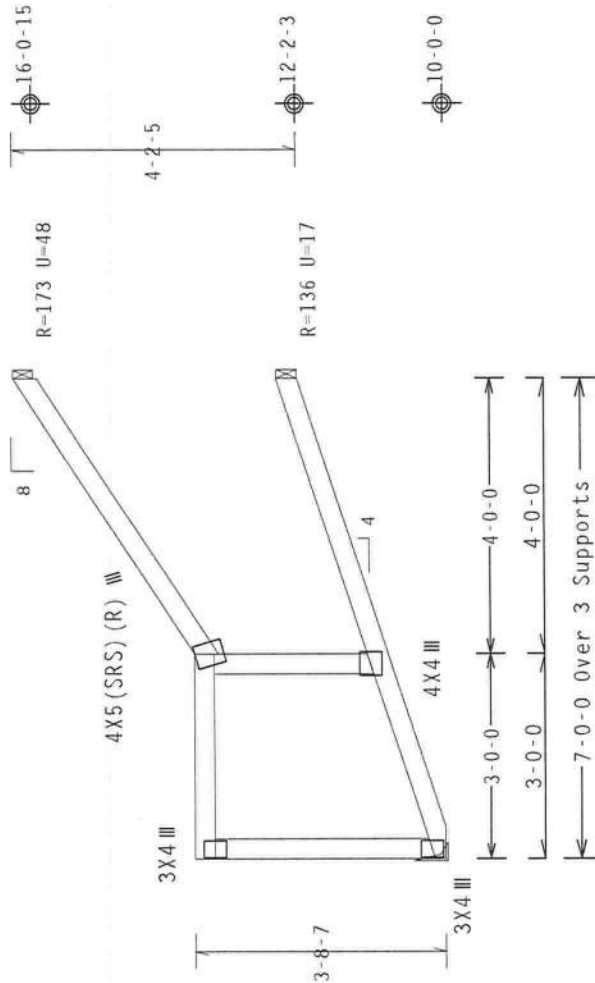
Wind loads and reactions based on MWFRS with additional C&C member design.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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

Shim all supports to solid bearing.

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.



R=298 U=0
RL=72/-30

Design Crit: FBC2007Res/TP1-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

Scale = .375" / Ft.

FL / - 4 / - / R / -

TY: 2

10.03.04 0603.18

No. 06648

REF R487-- 7961

DATE 11/11/11

DRW HCUSR487 11315067

HC-ENG DF/DF

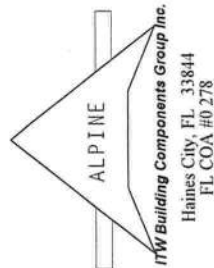
SEQN- 245354

JREF- 1UGY487_Z01

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

IMPORTANT
Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Before use, follow the latest edition of BCSI Building Component Safety Information, by TPI and BCSA for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

IW Building Components Group Inc. (IWBCG) shall not be responsible for any deviation from this design. Any failure to build the truss in accordance with ASCE/TP1 1, or for handling, shipping, installation, bracing of trusses, apply plates to each face of truss and position as shown above and on section details, unless noted otherwise, shall be the responsibility of the installer. The installer shall be responsible for the suitability and use of this design for any structure is the responsibility of the building designer per ASCE/TP1 1 Sec.2. For more information see: This Job's general notes page; IWBCG: www.iwbcg.com; TPI: www.tpinet.org; BCSA: www.bcsa.org



(11-209--Fill in later BOB JORDAN --. ** - HJ5)

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

Left and right cantilevers are exposed to wind

The following members need concentrated loads at the heel: 5-0-0 span/setback member on the 2-0-0 cant side requires 46 lbs and the 5-0-0 span/setback member on the 2-0-0 cant side requires 46 lbs.

Hipjack supports 7-0-0 setback jacks with 2-0-0 cantilever one face; 2-0-0 cantilever opposite face.

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.

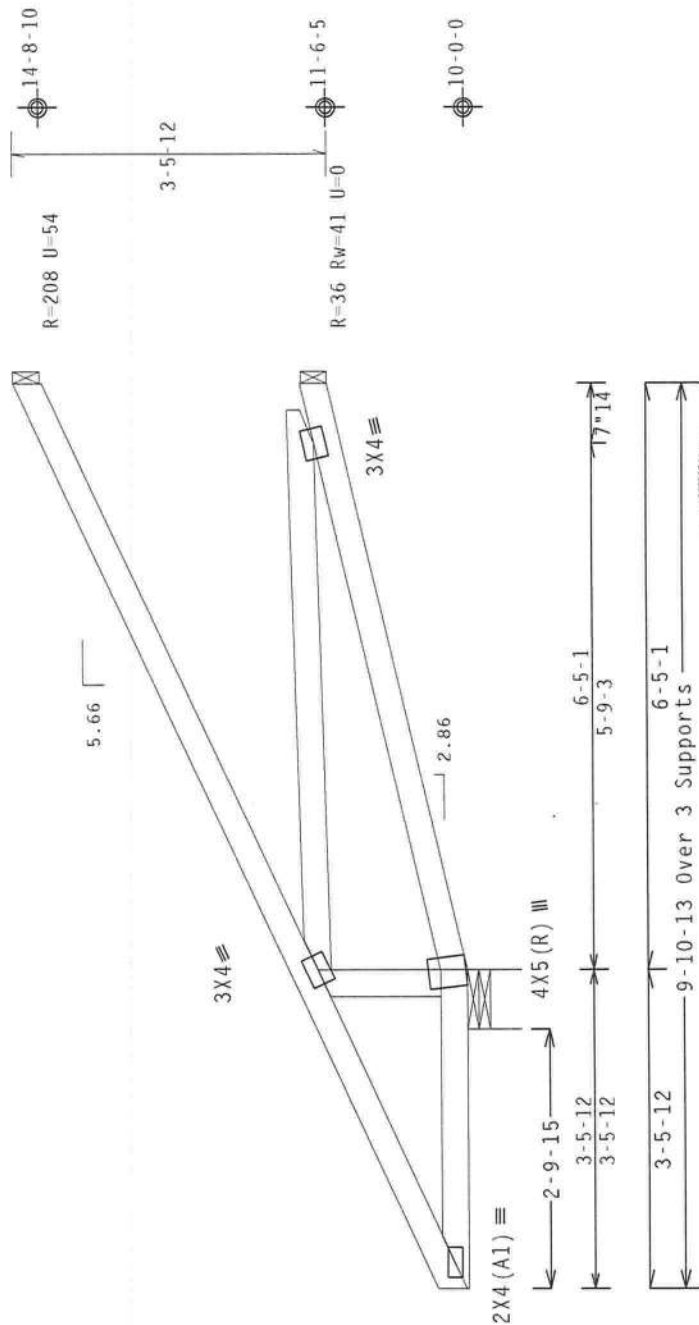
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof. CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpl(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Sub-fascia beam assumptions: 5-0-0 sub-fascia beam on the 2-0-0 cantilever side. 5-0-0 sub-fascia beam on the 2-0-0 cantilever side.

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

Shim all supports to solid bearing.



R=434 U=57 W=7.778"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

Scale = .5"/Ft.

FL/-4/-1/R/-

REF R487--7964

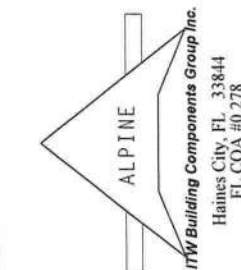
DATE 11/11/11

DRW HCUSR487 11315070

HC-ENG DF/DF

SEQN- 245771

JREF- 1UGY487_201



****IMPORTANT****
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to drawings for details. Do not alter or modify the design without the written approval of the truss manufacturer. The truss manufacturer shall be responsible for the design and use of this design for any structure is the responsibility of the building designer per ASCE 7-05, 1.5.2. For more information see: This Job's general notes page; ITW-BCG; www.itwbcg.com; TPI; www.tpiinc.org; MECA; www.sdcindustry.com; ICC; www.iccsafe.org

****WARNING****
READ AND FOLLOW ALL NOTES ON THIS SHEET.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to drawings for details. Do not alter or modify the design without the written approval of the truss manufacturer. The truss manufacturer shall be responsible for the design and use of this design for any structure is the responsibility of the building designer per ASCE 7-05, 1.5.2. For more information see: This Job's general notes page; ITW-BCG; www.itwbcg.com; TPI; www.tpiinc.org; MECA; www.sdcindustry.com; ICC; www.iccsafe.org

(11-209--Fill in later BOB JORDAN --, ** - CJST)

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

Left and right cantilevers are exposed to wind

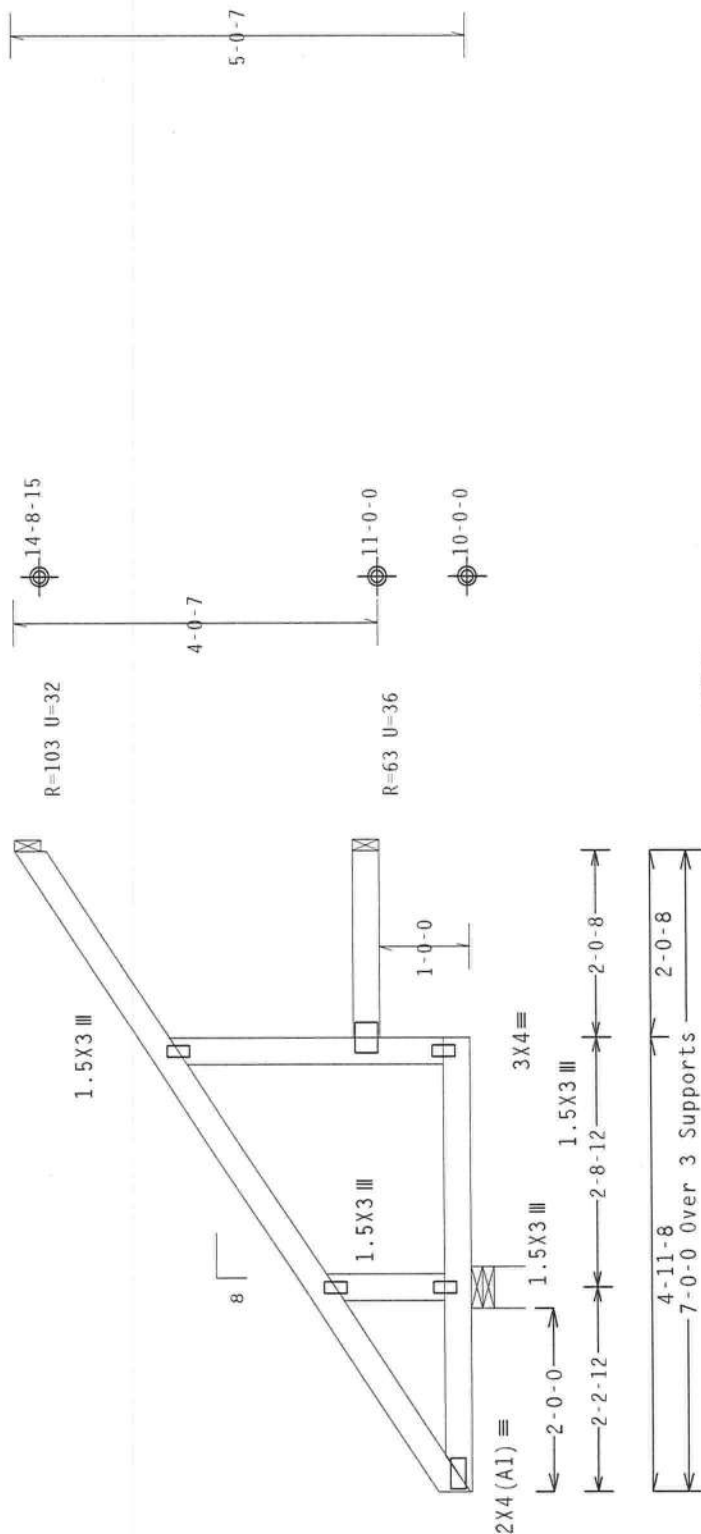
Bottom chord checked for 10.00 psf non-concurrent live load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. Iw=1.00 GCPI(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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



R-432 U=0 W=5.5"
RL=107/-32

Design Crit: FBC2007Res/TP1-2002(STD)
FT/RT=10%(0%) / 0(0)

PLT TYP. Wave

Scale = .5"/Ft.

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

TY: 10.08.04 0603.16

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by ITI and MCA) for details on these functions. Installers shall provide temporary bracing per RCSI unless noted otherwise. Top chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of trusses shall have bracing installed per BCSI sections B5, B7 or B10, as applicable. ITI Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with ANSI/TP1 1, or for handling, shipping, installing, bracing or trusses. Apply plates to each face of truss and position as shown above and on the joint. Details, unless noted otherwise. Refer to drawings 100-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TP1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbog.com; TP1: www.tpinst.org; MCA: www.mcaindustry.com; ICC: www.iccsafe.org	No. 06848	★	★	TC LL	20.0 PSF	REF	R487--	7965
		STATE OF	★	TC DL	10.0 PSF	DATE	11/11/11		
		FLORIDA	PROFESSIONAL ENGINEER	BC DL	10.0 PSF	DRW	HCUSR487	11315071	
				BC LL	0.0 PSF	HC-ENG	DF/DF		
				TOT.LD.	40.0 PSF	SEQN-	245800		
				DUR.FAC.	1.25				
	11/11/2011	SPACING	24.0"						
						JREF-	1UGY487_Z01		

(11-209--Fill in later BOB JORDAN --, ** - C/JST)

Top chord 2x4 SP #1
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Bottom chord checked for 10.00 psf non-concurrent live load.

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

Fasten rated sheathing to one face of this frame.

MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

Laterally brace chord member above filler @ 24" O.C. or as specified, including a lateral brace at chord ends.

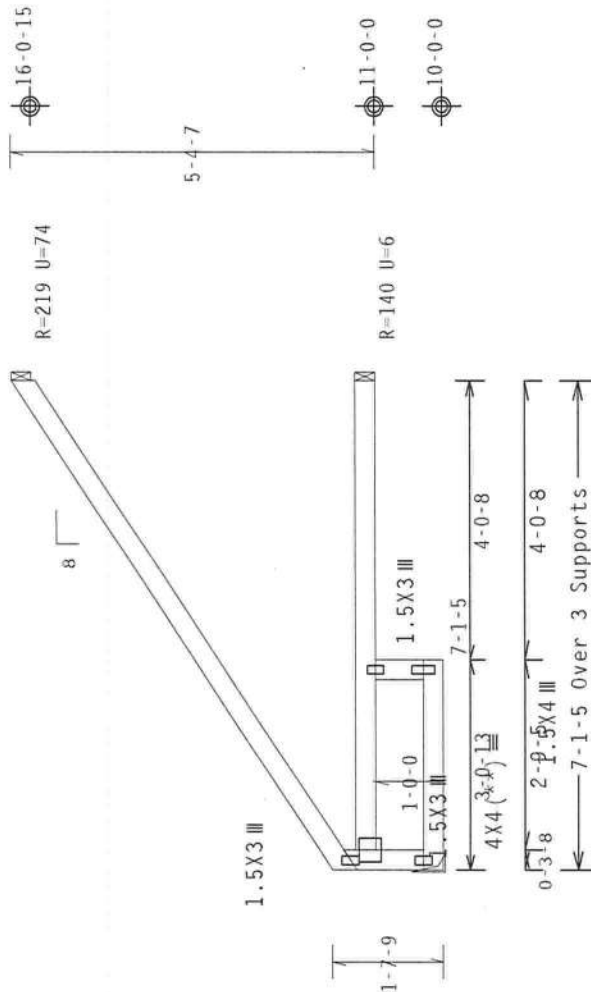
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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.



R=300 U=0
RL=108/-33

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

FL/-4/- /-R/-

Scale =.375"/Ft.

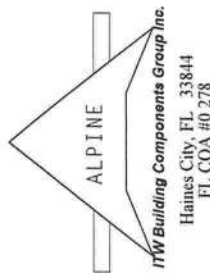
TC LL	20.0 PSF	REF	R487-- 7967
TC DL	10.0 PSF	DATE	11/11/11
BC DL	10.0 PSF	DRW	HCUSR487 11315073
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	245818
DUR.FAC.	1.25	JREF-	1UGY487_Z01
SPACING	24.0"		



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

The Building Components Group Inc. (IBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss in position and on the joint. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; IBCG; www.ibcg.com; TPI; www.tpiinst.org; WCA; www.wcaindustry.com; ICC; www.iccsafe.org



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

Left and right cantilevers are exposed to wind

Bottom chord checked for 10.00 psf non-concurrent live load.

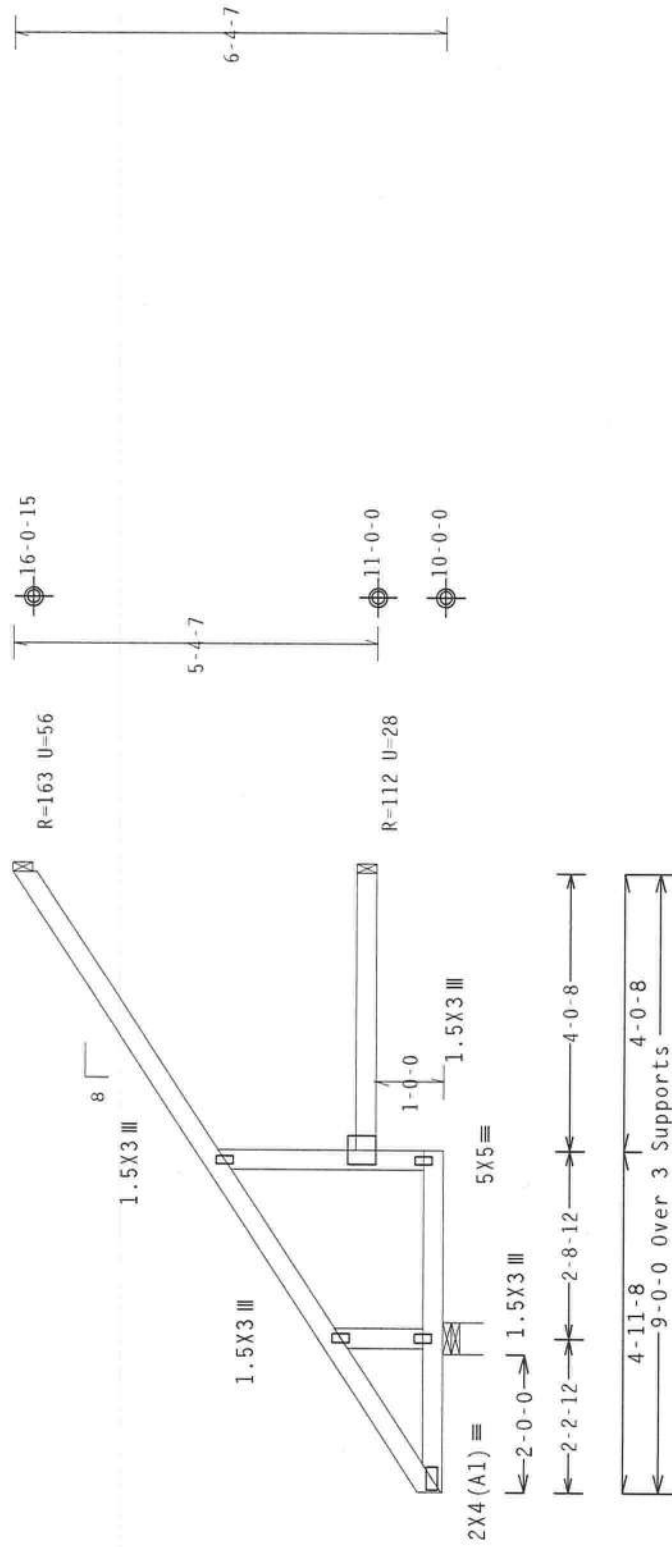
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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

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



R=503 U=0 W=5.5"
RL=138/-42

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

FL/-4/-/R/-

Scale = .375"/Ft.

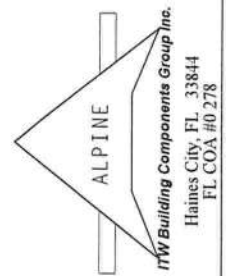
TC LL	20.0 PSF	REF	R487-- 7968
TC DL	10.0 PSF	DATE	11/11/11
BC DL	10.0 PSF	DRW	HCUSR487 11315074
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN	245823
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1UGY487_Z01



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS SECTION TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the manufacturer's instructions for details. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall be installed in accordance with the manufacturer's instructions.

Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall be installed in accordance with the manufacturer's instructions.



(11-209--Fill in later BOB JORDAN --, ** - JW7)

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

Left and right cantilevers are exposed to wind

Bottom chord checked for 10.00 psf non-concurrent live load.

Shim all supports to solid bearing.

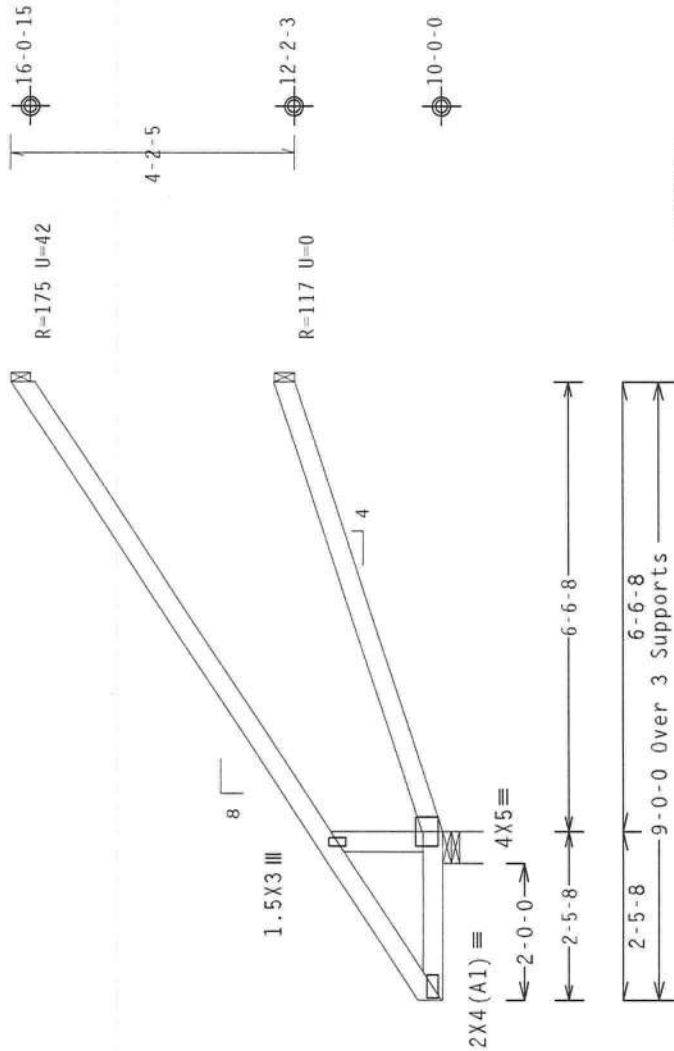
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind loads and reactions based on MWFRS with additional C&C member design.

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

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



R=524 U=0 W=5.5"
RL=104/-54

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%) / 0 (0)

PLT TYP. Wave

Scale = .375"/Ft.

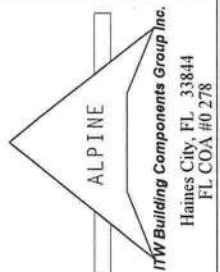
REF	R487 - -	7974
DATE	11/11/11	
DRW	HCUSR487 11315079	
HC	ENG DF/DF	
SEQN	245878	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1UGY487_Z01	



****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Component Safety Information, by TPI and WCA for details. Trusses shall be installed in accordance with the BCSI Building Component Safety Information, by TPI and WCA. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of trusses shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

The Building Components Group Inc. (BTBGI) shall not be responsible for any deviation from this design or failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance or professional engineering responsibility solely for the design shown. The design and use of this design for any structure is the responsibility of the user. The BCSI Building Component Safety Information, by TPI and WCA, shall be used in conjunction with this design. For more information, visit our website at www.bcsi.org. This job's general notes p006; THE BCSI: www.bcsi.org; TPI: www.tpi.net; WCA: www.wcaindustry.com; TCCI: www.tccisafe.org



	Top	3ot	chord	2x4	SP	#1	Dense
			chord	2x4	SP	#2	
			webs	2x4	SP	#3	

Bottom chord checked for 10.00 psf non-concurrent live load.

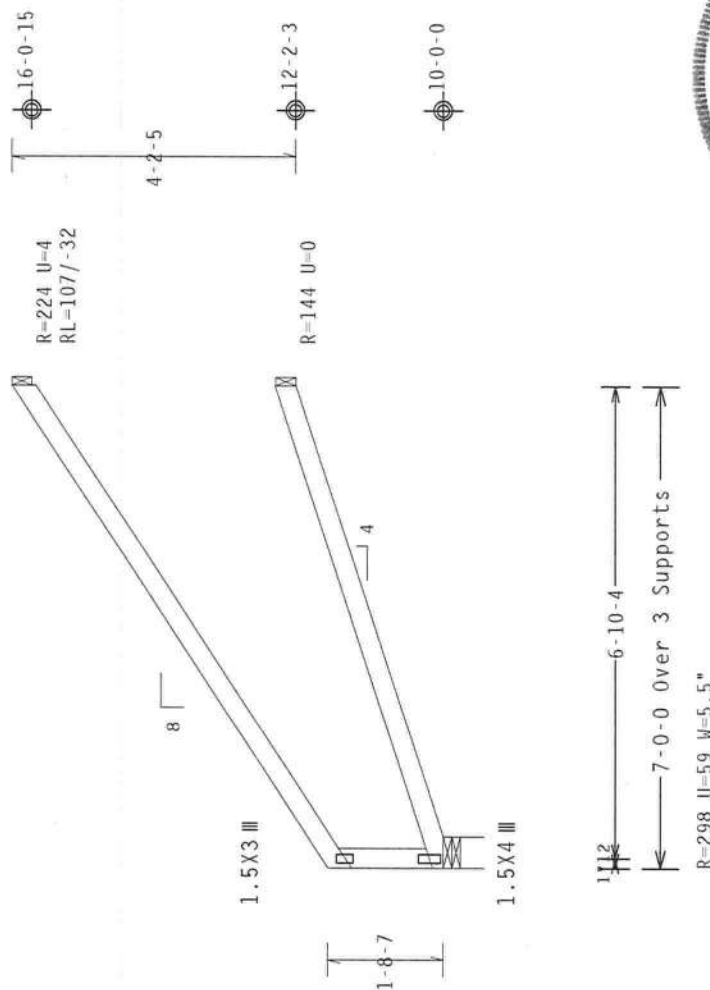
Deflection meets L/240 live and L/180 total load.

WFRS loads based on trusses located at least 7.50 ft. from roof edge.

Wind Loads and reactions based on MWFRS with additional C&C member design.

Shim all supports to solid bearing.

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

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

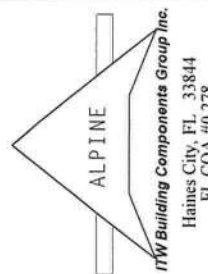
PLT TYP. Wave

F11-141-1-1R1-

Scale = 375"/Ft

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
 CANCEL THIS DESIGN TO ALL CONTRACTORS, MANUFACTURERS, ETC.

crusces require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BECI (Building Component Safety Information, by TPI and WCA) for specific instructions pertaining to performing these functions. Installation and providing temporary bracing provisions are critical to the success of the project. The contractor must ensure that the steel joists will have a properly attached rigid ceiling. Locations for permanent lateral bracing of steel joists shall have bracing installed per BECI sections B3, B7 or B10, as applicable.

[illegible]

(11-209--Fill in later BOB JORDAN --, ** - HJ9V)

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

Left and right cantilevers are exposed to wind

The following members need concentrated loads at the heel: 5-0-0 span/setback member on the 2-0-0 cant side requires 46 lbs and the 5-0-0 span/setback member on the 2-0-0 cant side requires 46 lbs.

Hipjack supports 11-0-0 setback jacks. Jacks up to 7' have no webs. Longer Jacks supported to BC. 2-0-0 cant one face, 2-0-0 cant opposite face.

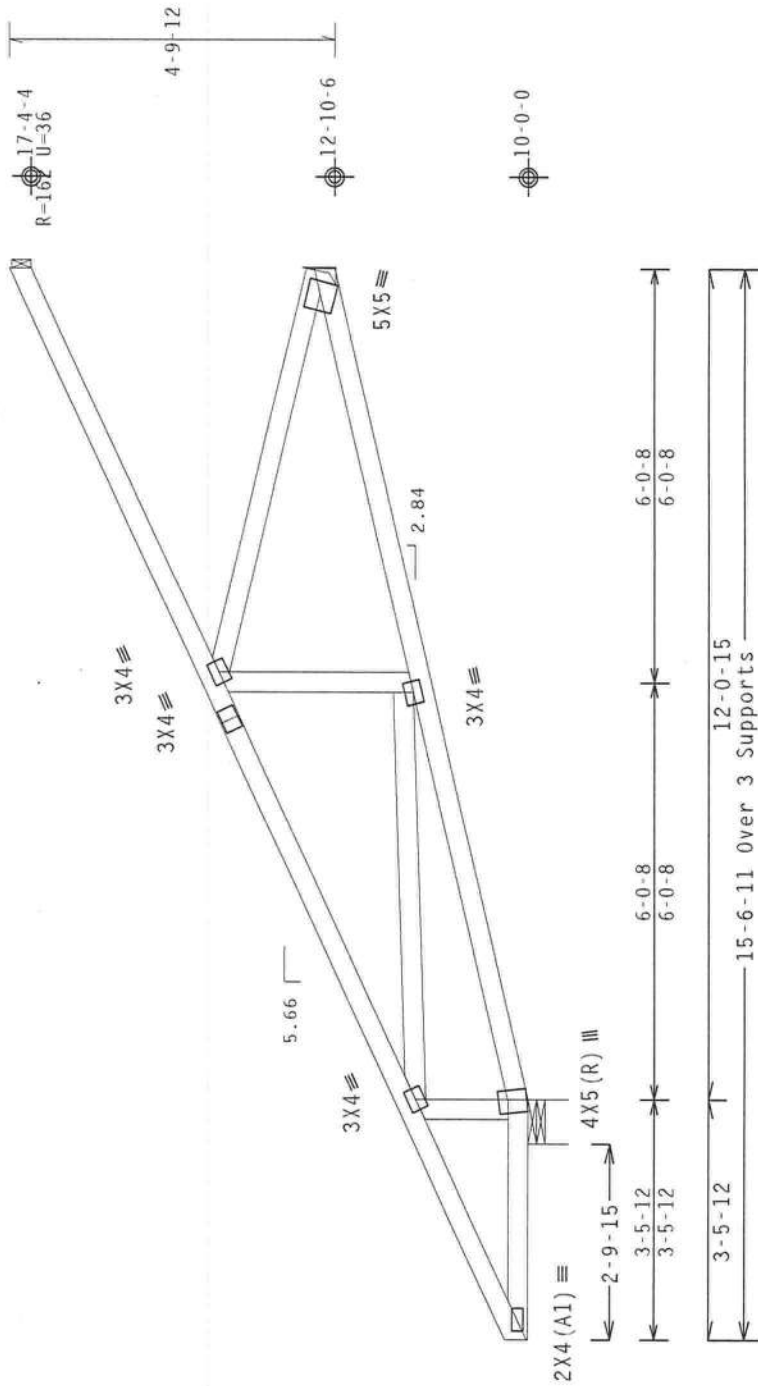
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Sub-fascia beam assumptions: 5-0-0 sub-fascia beam on the 2-0-0 cantilever side, 5-0-0 sub-fascia beam on the 2-0-0 cantilever side.

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

Shim all supports to solid bearing.



R=795 U=78 W=7.778" 12'-0" Over 3 Supports

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

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

Scale = .375"/Ft.

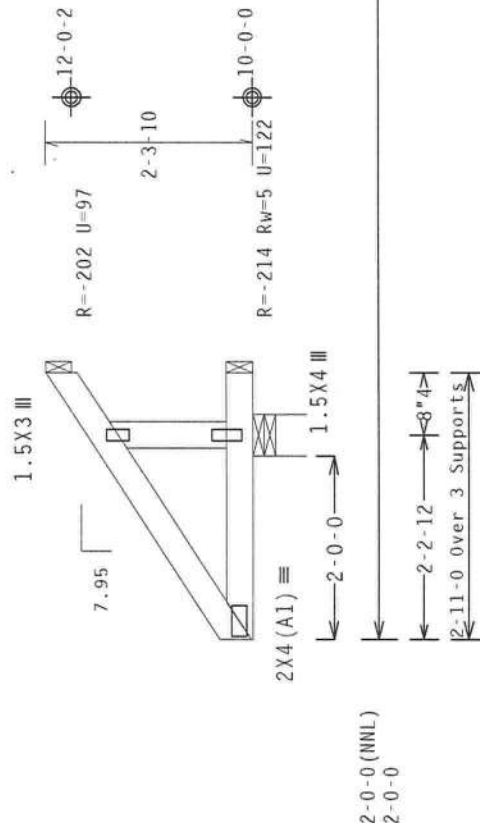
 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Installers must follow the latest edition of BCSI Building Component Safety Information, by TPI and MICA, for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint and bracing shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ABSI/TPI 1, or for handling, shipping, installation, or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 100-2 for standard plate positions. A seal on the bottom chord of the truss shall be provided to ensure the integrity of the design. The responsibility of the Building Designer per ABSI/TPI 1 Sec. 2, for more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; MICA: www.bcsiindustry.com; ICC: www.iccsafe.org		TC LL	20.0 PSF	REF	R487 -- 7977
	TC DL	10.0 PSF	DATE	11/11/11		
	BC DL	10.0 PSF	DRW	HCSR487 11315080		
	BC LL	0.0 PSF	HC-ENG	DF/DF		
	TOT.LD.	40.0 PSF	SEQN-	245895		
	DUR.FAC.	1.25				
	SPACING	24.0"	JREF-	1UGY487_Z01		

Negative reaction(s) of -214# MAX. (See below) from a non-wind load case requires uplift connection.

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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.



R=661 U=0 W=5.5"
RL=43

Design Crit: FBC2007Res/TPI-2002 (STD)
 $FT/RT=10\% (0\%) / 0(0)$

PLT TYP. Wave

Scale = .5"/Ft.

ALPINE

nTW Building Components Group Inc.

Haines City, FL 33844

Fl. COA #0 278

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**

****IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to all details and notes on drawings for complete instructions. Trusses are to be installed in accordance with the practices noted to participating these functions. Installers shall provide temporary bracing per chord. Ingress noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint for webs shall have bracing installed per BC51 sections B3, B7 or B10, as applicable.

nTW Building Components Group Inc. (nTWBCG) shall not be responsible for any deviation from the design any failure to build the truss in conformance with ANSI/PTP 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The design and notes on this design for any structure, other than that specifically noted on the drawing, shall not be used without the written approval of nTWBCG. The nTWBCG: www.nTWBCG.com; PFI: www.pfiinst.org; nTW: www.nTWindustry.com; TEL: 888.1656476; FAX: 888.1656476; 409

No. 66648

STATE OF FLORIDA

PROFESSIONAL ENGINEER

TC LL	20.0	PSF	REF	R487--	7978
TC DL	10.0	PSF	DATE	11/11/11	
BC DL	10.0	PSF	DRW	HCUSR487	11315081
BC LL	0.0	PSF	HC-ENG	DF/DF	
TOT.LD.	40.0	PSF	SEQN-	245982	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UGY487_Z01	

(11-209--Fill in later BOB JORDAN --, ** - J7)

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

Left and right cantilevers are exposed to wind

Bottom chord checked for 10.00 psf non-concurrent live load.

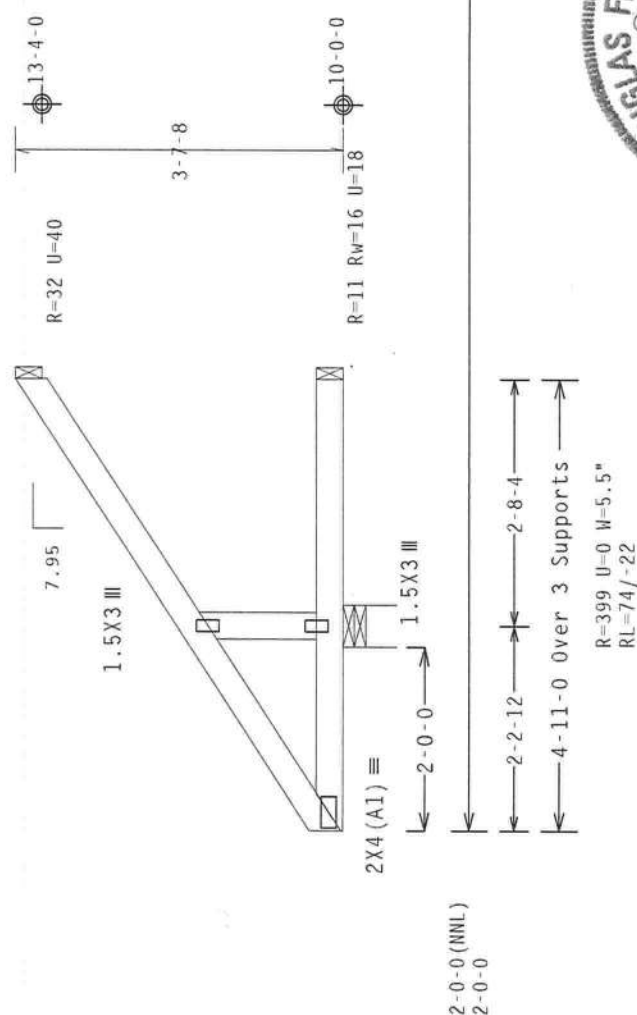
Deflection meets L/240 live and L/180 total load.

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

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

Wind loads and reactions based on MWFRS with additional C&C member design.

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



20-11-0
20-11-0

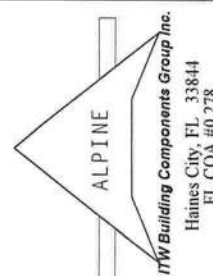
Design Crit: FBC2007Res/TP1-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

TC LL	20.0 PSF	FL / - / 4 / - / - / R / -	Scale = .5" / Ft.
TC DL	10.0 PSF		REF R487 - - 7979
BC DL	10.0 PSF		DATE 11/11/11
BC LL	0.0 PSF		DRW HCUSR487 11315082
TOT.LD.	40.0 PSF		HC-ENG DF/DF
DUR.FAC.	1.25		SEQN - 245985
SPACING	24.0"		JREF - 1UGY487_Z01



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. See 10-10-10 for the latest edition of BCSI Building Component Safety Information, by IPI and BCSA for BCSI practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design for any failure to build the truss in conformance with ANSI/TP1 1, or for handling, shipping, installing, bracing or trusses. Apply plates to each face of truss and position as shown above and in the Joint and End Connections section of this drawing. Indicate acceptance of professional engineering seal on the drawing or cover page listing this drawing. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TP1 1 Sec.2. For more information see: This job's general notes page; ITW-BCG; www.itwbcg.com; IPI: www.ipiinst.org; BCSI: www.bcsindustrial.com; ICC: www.iccsafe.org



(11-209--Fill in later BOB JORDAN --, ** - J8)

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

Left and right cantilevers are exposed to wind

Bottom chord checked for 10.00 psf non-concurrent live load.

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

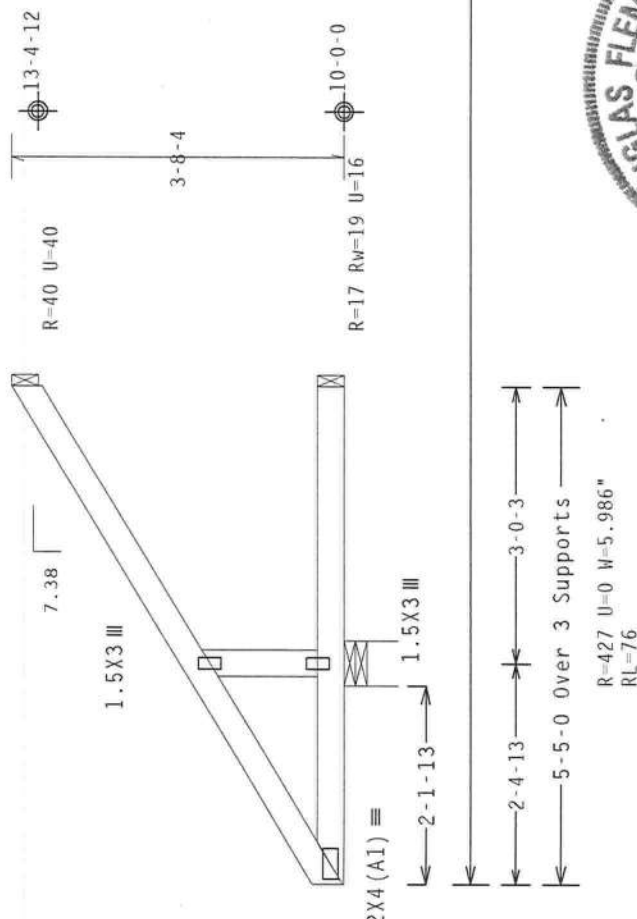
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. Iw=1.00 GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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

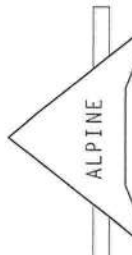


20-11-0
20-11-0

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

Scale = .5" / Ft.

 ALPINE Haines City, FL 33844 FL COA #0278	DOUGLAS FLEMING LICENSE No. 66848 STATE OF FLORIDA PROFESSIONAL ENGINEER 10-03-04 0601.16 10-03-04 0601.16 10-03-04 0601.16		FL / - / 4 / - / R / -	TC LL	20.0 PSF	REF	R487 - - 7980
				TC DL	10.0 PSF	DATE	11/11/11
				BC DL	10.0 PSF	DRW	HCUSR487 11315083
				BC LL	0.0 PSF	HC-ENG	DF/DF
				TOT.LD.	40.0 PSF	SEON-	245988
				DUR.FAC.	1.25		
				SPACING	24.0"	JREF-	1UGY487_Z01

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

Negative reaction(s) of -241# MAX. (See below) from a non-wind load case requires uplift connection.

11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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, lw=1.00 GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

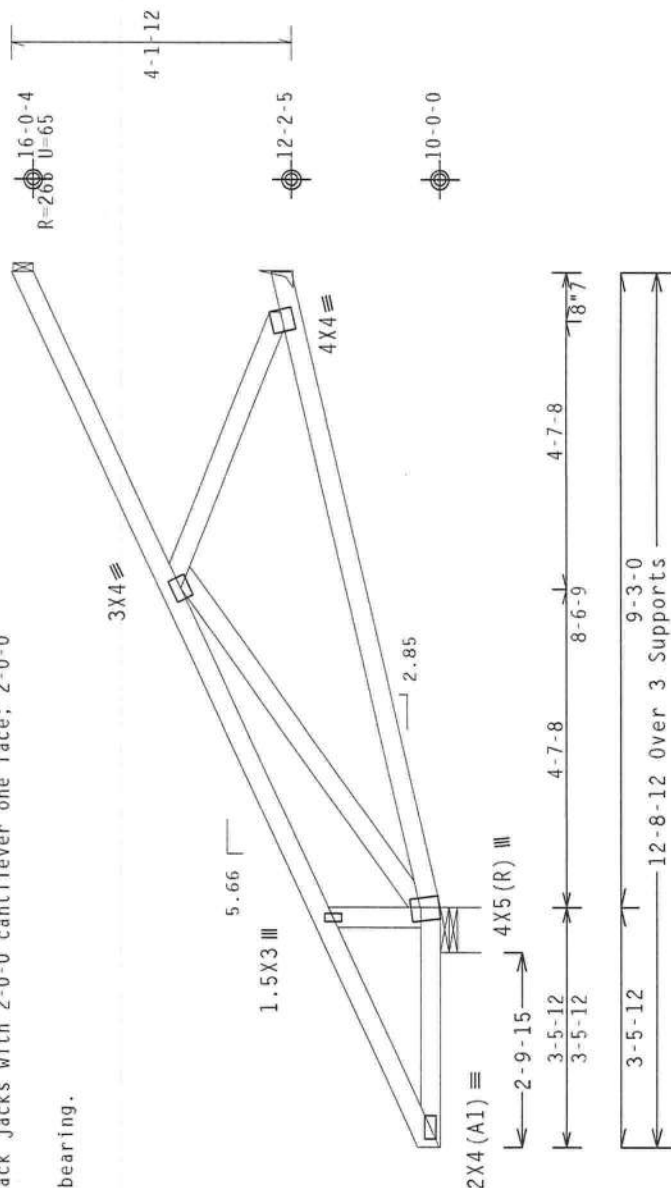
The following members need concentrated loads at the heel: 5-0-0 span/setback member on the 2-0-0 cant side requires 46 lbs and the 5-0-0 span/setback member on the 2-0-0 cant side requires 46 lbs.

Tipjack supports 9-0-0 setback jacks with 2-0-0 cantilever one face; 2-0-0 cantilever opposite face.

Shim all supports to solid bearing.

Left cantilever is exposed to wind

Sub-fascia beam assumptions: 5-0-0 sub-fascia beam on the 2-0-0 cantilever side. 5-0-0 sub-fascia beam on the 2-0-0 cantilever side. Deflection meets L/240 live and L/180 total load.



R=583 / -242 U=402 W=7.778" U=88

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

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

Scale = .375"/Ft.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
 FURNISH THIS DESIGN TO ALL CONTRACTORS, INCLUDING SUBSISTERS

Issues require extreme care in fabrication, handling, shipping, installing and bracing. Please follow the latest edition of BCSP (Building Component Safety Information, by IPI and WCA) for practices relating to performing these functions. Installation and bracing of the system shall be done in accordance with the manufacturer's instructions. The system shall be installed and braced in accordance with the manufacturer's instructions. The system shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSP sections B-87 or B10, as applicable.

[illegible]

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FI COA #0 778

nes City, FL 33844
FL COA #0278

REF- 1UGY487_Z01

SPACING 24.0"

11/11/2011

information see:
[.abc.industry.com](http://abc.industry.com)

anner per ANSI/TPI 1 Sec.2. For more information, visit www.tpiinst.org; WTC

responsibility of the Building
rational notes page; IIR-BCG; www.iir-bcg.org
www.lccsafe.org

James City, FL 33844
FL COA #0278

(11-209--Fill in later BOB JORDAN -- , ** - H3K)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind loads and reactions based on MWFRS with additional C&C member
design.

Left and right cantilevers are exposed to wind

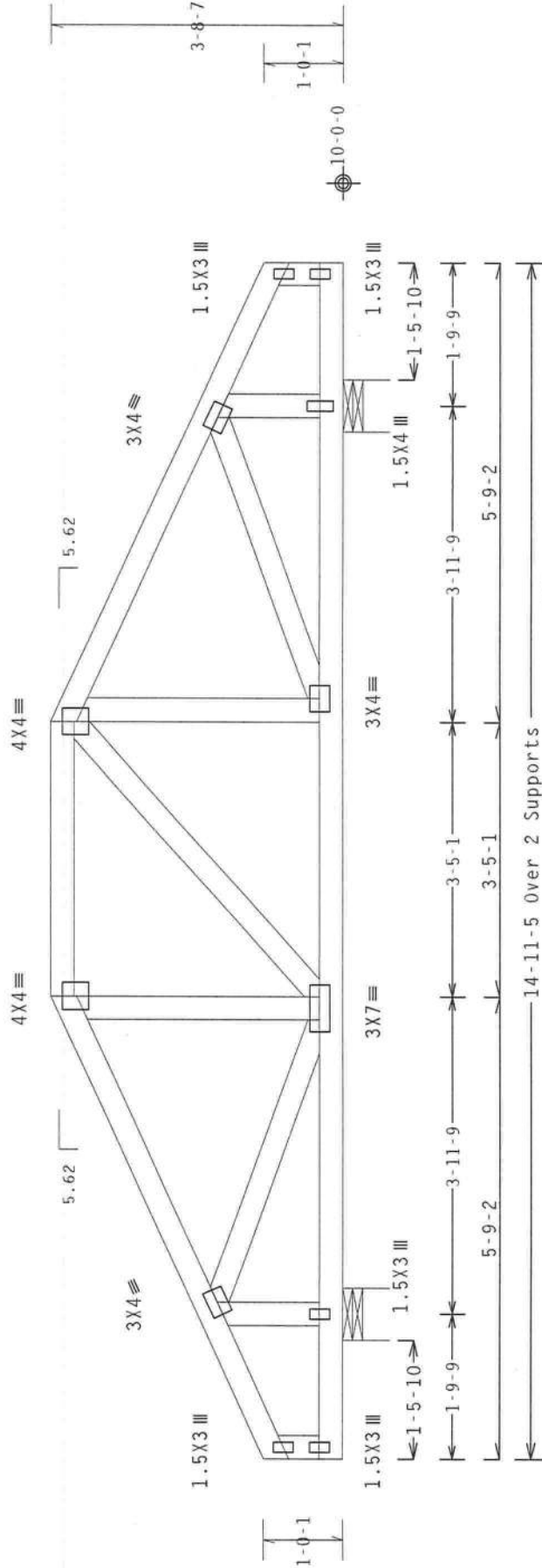
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

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

Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 plf at 0.00 to 62 plf at 2.81
TC- From 31 plf at 2.81 to 31 plf at 5.76
TC- From 31 plf at 5.76 to 31 plf at 9.18
TC- From 31 plf at 9.18 to 31 plf at 12.13
TC- From 62 plf at 12.13 to 62 plf at 14.94
BC- From 20 plf at 0.00 to 20 plf at 2.81
BC- From 10 plf at 2.81 to 10 plf at 12.13
BC- From 20 plf at 12.13 to 20 plf at 14.94
TC- -143.38 lb Conc. Load at 2.81, 12.13
TC- 107.24 lb Conc. Load at 5.71, 9.27
TC- 35.69 lb Conc. Load at 7.82
BC- -173.30 lb Conc. Load at 2.81, 12.13
BC- 41.90 lb Conc. Load at 5.71, 9.28
BC- 13.82 lb Conc. Load at 7.82



R=464 U=464 W=7.778"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

FL/-4/-R/-

Scale = .5" / Ft.

 ALPINE Haines City, FL 33844 FL COA #0278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and NCCA) for BCSI practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of top chord shall have bracing installed per BCSI sections B5, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint between trusses. Trusses shall be installed in accordance with the manufacturer's instructions. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG; www.itwbcg.com; TPI: www.tpiinc.org; NCCA: www.nccasafe.org		10.08.04.0601.16 No. 66848 FLORIDA STATE OF PROFESSIONAL ENGINEER DOUGLAS FLEMING LICENSE 10.08.04.0601.16		REF R487-- 7982 DATE 11/11/11 DRW HCUSR487 11315084 HC-ENG DF/DF SEQN- 245993 JREF- 1UGY487_Z01	
	TC LL 20.0 PSF TC DL 10.0 PSF BC DL 10.0 PSF BC LL 0.0 PSF TOT.LD. 40.0 PSF DUR.FAC. 1.25 SPACING 24.0"		TC LL 20.0 PSF TC DL 10.0 PSF BC DL 10.0 PSF BC LL 0.0 PSF TOT.LD. 40.0 PSF DUR.FAC. 1.25 SPACING 24.0"		TC LL 20.0 PSF TC DL 10.0 PSF BC DL 10.0 PSF BC LL 0.0 PSF TOT.LD. 40.0 PSF DUR.FAC. 1.25 SPACING 24.0"	
	14-11-5 Over 2 Supports		14-11-5 Over 2 Supports		14-11-5 Over 2 Supports	
	1'-5'-10'		1'-5'-10'		1'-5'-10'	
	1'-9'-9'		1'-9'-9'		1'-9'-9'	
	5'-9'-2'		5'-9'-2'		5'-9'-2'	

(11-209--Fill in later BOB JORDAN --, ** - KG)

Top chord 2x4 SP #1 : T2 2x4 SP #2 Dense:

Bot chord 2x8 SP #1 Dense

Webs 2x4 SP #3 : W2, W10 2x4 SP #2 Dense:

Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 plf at 0.00 to 62 plf at 5.71
TC- From 62 plf at 5.71 to 62 plf at 8.43
TC- From 62 plf at 8.43 to 62 plf at 14.14
BC- From 10 plf at 0.00 to 10 plf at 14.14
BC- 2351.13 lb Conc. Load at 0.51, 6.51, 8.51
BC- 2352.90 lb Conc. Load at 2.51, 4.51
BC- 5722.54 lb Conc. Load at 10.45
BC- 299.51 lb Conc. Load at 12.48

Wind loads and reactions based on MWFRS with additional C&C member design.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

5X5

5X8

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

Left and right cantilevers are exposed to wind

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3" nails

Top Chord: 1 Row @ 12.00" o.c.

Bot Chord: 3 Rows @ 3.75" o.c. (Each Row)

Webs : 1 Row @ 4" o.c.

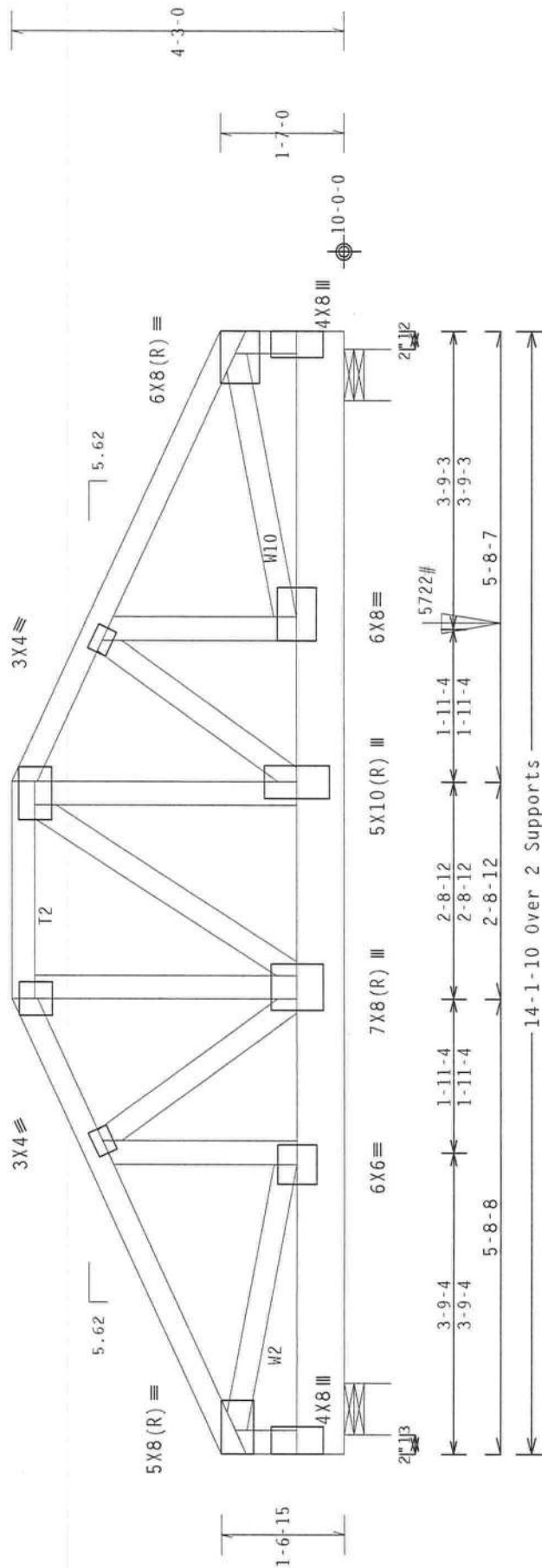
Use equal spacing between rows and stagger nails

in each row to avoid splitting.

4" o.c. spacing of nails perpendicular and parallel to

grain required in area over bearings greater than 4"

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCpi(+/-)=0.18



R=10107 U=231 W=7.778"

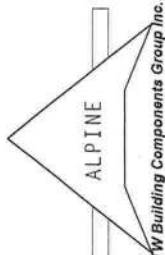
R=8693 U=607 W=7.778"

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10% (0%) / 0 (0)

PLT TYP. Wave

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

Scale = .5" / Ft.

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Component Safety Information, by TPI and WCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per the notes noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint webbing shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing or trusses. Apply plates to each face of truss and position as shown above and on the design. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG; www.itwbcg.com; TPI: www.tpiinst.org; WCA: www.wcaindustry.com; ECC: www.eccsafe.org		REF	R487--	7983
	DATE		11/11/11		
	DRW		HCU8487	11315085	
	HC-ENG		DF/DF		
	SEON-		246228		
	JREF-		1UGY487_Z01		

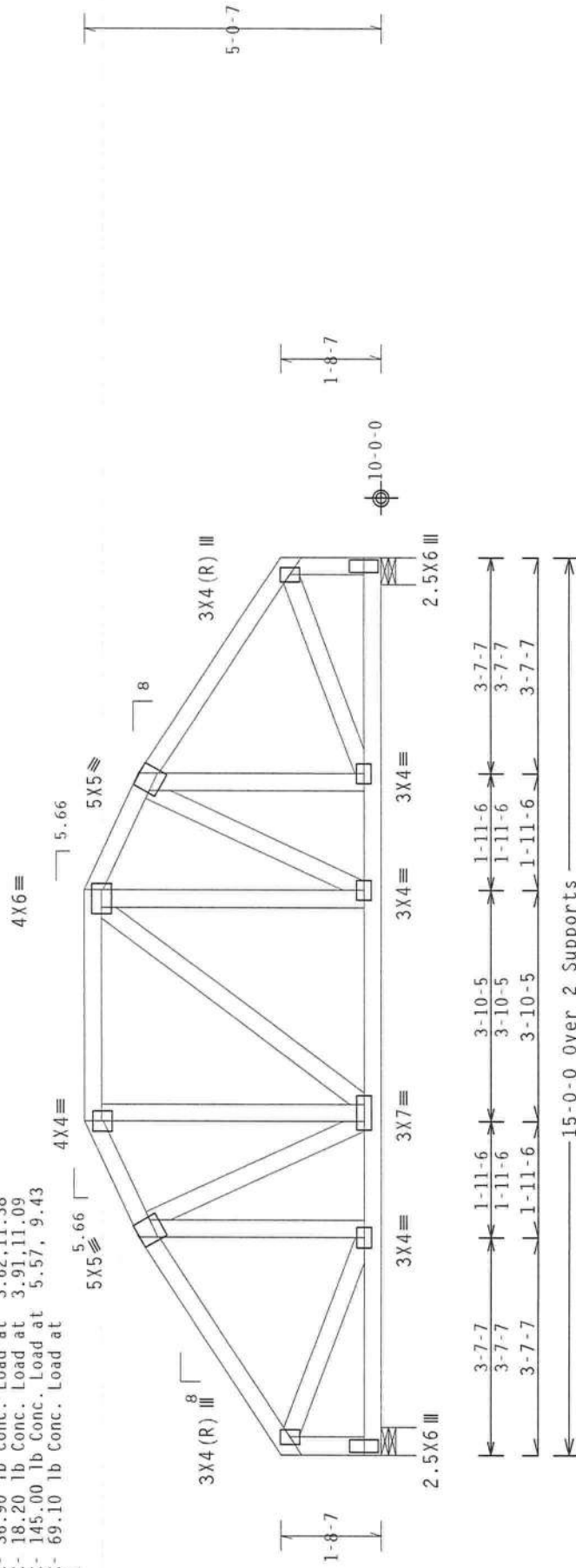
110 mph wind, 15.00 ft mean hgt., ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Bottom chord checked for 10.00 psf non-concurrent live load.

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



R=1298 U=139 W=5.5"
RI=71/-71

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

PLT TYP. Wave

FL/-/4/-/-/R/-/
Scale = .375"/Ft.

TTC LL	20.0 PSF	REF R487 -- 7984
TTC DL	10.0 PSF	DATE 11/11/11
BC DL	10.0 PSF	DRW HCURS487 11131508
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 246824
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UGY487 Z01

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET.**
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING SUBSISTERS.

****IMPORTANT****

Trusses require extreme care in fabricating, handling, shipping, installing, and bracing. Refer to and follow the latest edition of ESI (Building Components Engineering) for TP1 and KICA for any pertinent information. The design is based on the following assumptions:

- 1. The design is for a permanent lateral restraint system.
- 2. The design is for a permanent lateral restraint system.
- 3. The design is for a permanent lateral restraint system.

Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per KICA sections B3, B7 or B10, as applicable.

ITI Building Components Group, Inc. (ITBGC) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TP1 1, or for handling, shipping, installing, or bracing of trusses. Apply plates to each face of truss and position as shown above and on the details. Details, unless noted otherwise. Refer to drawings 100A-Z for standard plate positions. A seal on drawing or cover page listing this drawing, indicates acceptance or professional engineering responsibility solely for the design shown. The liability and use of this design for any structure shall be the responsibility of the user. For more information, contact ITBGC at:

ITBGC: www.itbgc.com; TP1: www.tp1ext.org; KICA: www.sbsindustry.com; general notes page: TP1: www.100a-z.org

11/1/2011

No. 66648

STATE OF FLORIDA

PROFESSIONAL ENGINEER



ALPINE
Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0 278

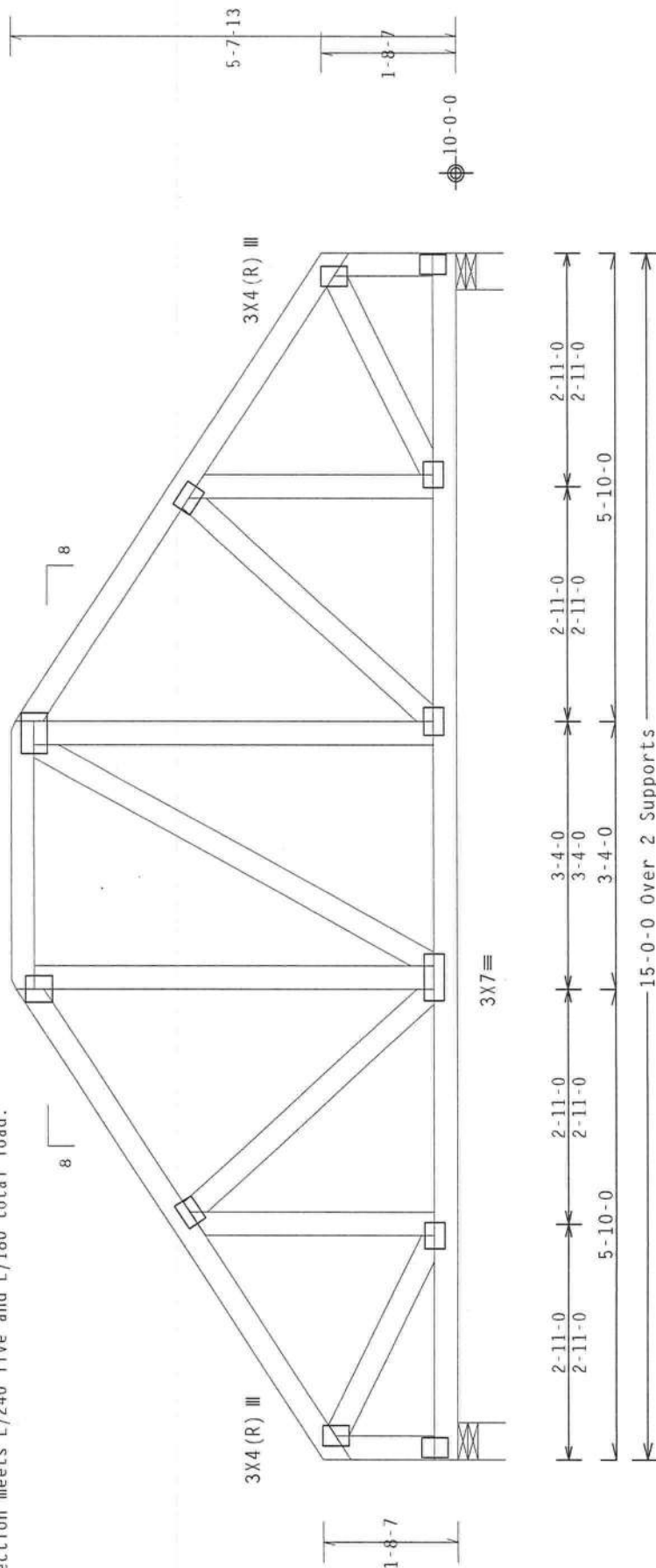
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, lw=1.00 GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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



R=1520 I=134 W=5.5"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

PLT TYP. Wave

Scale = .5"/Ft.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
 EPOCHES, S.A., RUMEN, NO. 11, CANTO LEON, 34010 LEBRERO, MALAGA, SPAIN

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. To follow the latest edition of BECI Building Component Safety Information, by TPI and WCA (formally known as the American Wood Council), installers shall provide temporary bracing for all trusses prior to performing these conditions. Installers shall provide temporary bracing for all trusses that have a pre-engineered rigid ceiling. Locations shown for permanent lateral restraint bracing shall have bracing installed per BECI sections B3, B7 or B10, as applicable.

[illegible]

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

References

1000

0000-0001-9000-0000

© 2000 Blackwell Science Ltd

100

100

1001

0 278

CO

100

10

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

1110 mph wind, 20.70 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, Iw=1.00
Coi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

WFRS loads based on trusses located at least 10.35 ft. from roof edge.

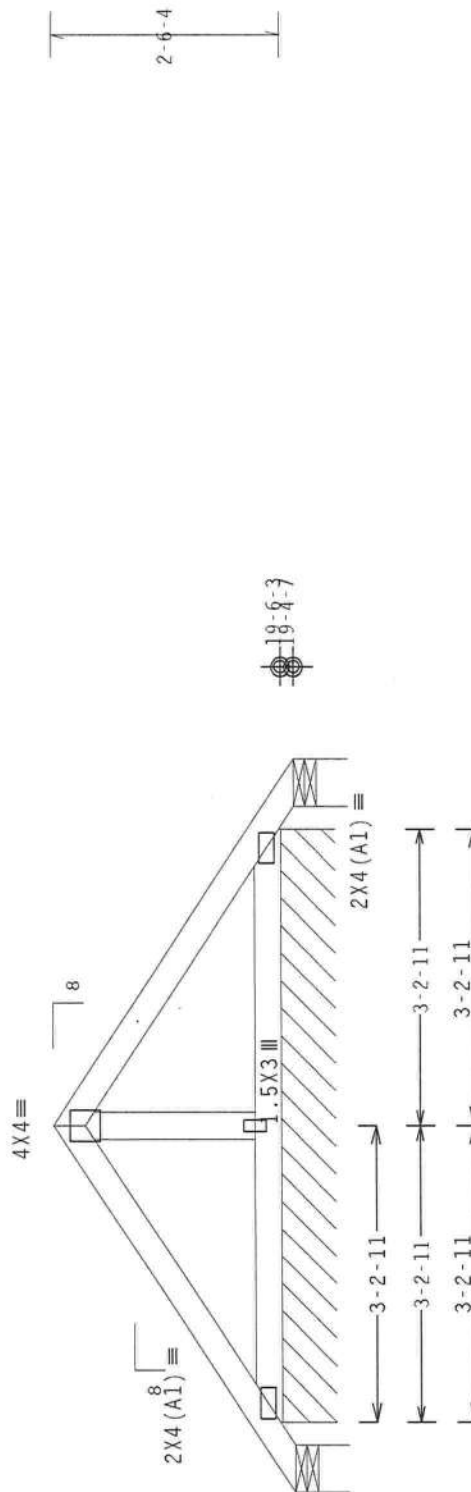
Refer to DWG PB1200310 for piggyback details.

Special loads

Special loads	Dur. Fac. = 1.25 /	Plate Dur. Fac. = 1.25
-----(Lumber		
IC- From	64 plf at 0.00 to	64 plf at 4.00
IC- From	64 plf at 4.00 to	64 plf at 8.00
BC- From	4 plf at 0.00 to	4 plf at 8.00

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

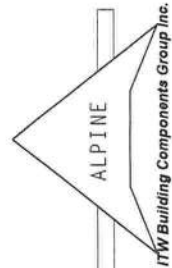
Deflection meets L/240 live and L/180 total load.



R=-.22 RW=49 U=53 W=6.31"
RI=59/R586 PLF U=20 PLF

 $R_{w} = -22 \text{ } R_{w} =$ Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLOT TYP.: Wave



Haines City, FL 33844
FL COA #0 278

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**
****IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS, INCLUDING INSTALLERS.**

Prosser require extreme care in fabricating, handling, shipping, installing and bracing. Help to follow the latest edition of BC51 (Building Component Safety Information, by IPI and BICA) or the appropriate code of practice prior to performing these tasks. Components must be properly attached structurally, by top and bottom end plates, and must have a properly attached rigid ceiling. Locations shown for permanent lateral restraint to which bracing shall have bracing installed per BC51 sections B3, B4 or B10, as applicable.

The Building Components Group Inc. (LBGBC) shall not be responsible for any deviation from the design or failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installation or erection of the truss. Apply plates to each truss of truss and position as shown above and on the joint details. Details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the user. For more information, contact the BGC at: info@trussinfo.org. This is a general notice page. TPI: www.tpi-usa.org; WTC: www.steelsiteindustry.com; www.trussinfo.org

Scale = .5"/Ft.

TC LL	20.0	PSF	REF R487-- 7986
TC DL	10.0	PSF	DATE 11/11/11
BC DL	10.0	PSF	DRW HCUR487 11315088
BC LL	0.0	PSF	HC-ENG DF/DF
TOT.LD.	40.0	PSF	SEQN- 245288
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UGV487_Z01

11/11/2011

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

11110 mph wind, 20.04 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. $1w=1.00$
GCpl(+/-)=0.18

used loads and reactions based on MWFRS with additional C&C member design.

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

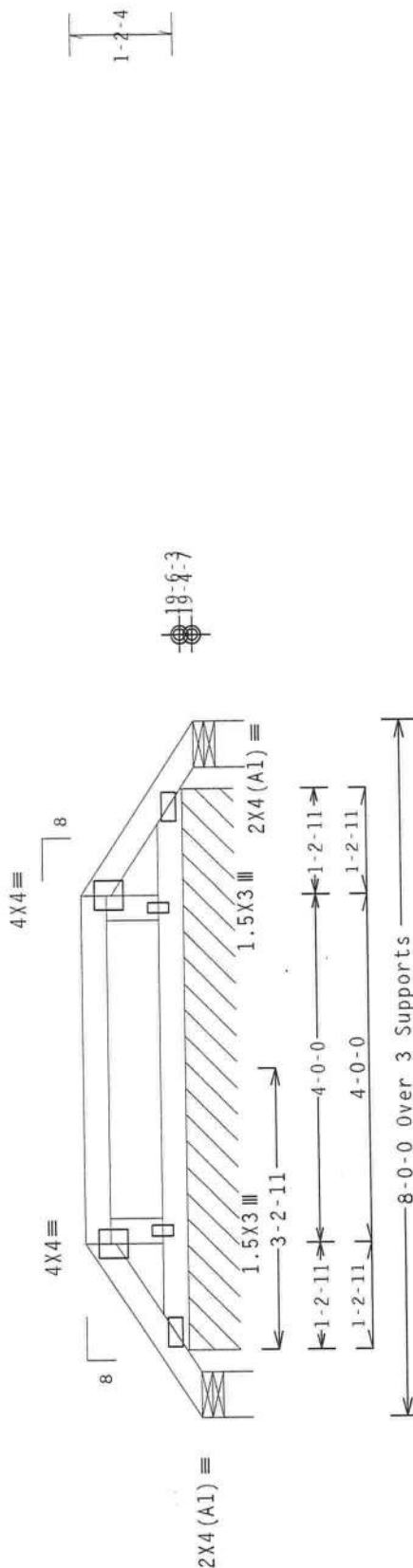
Refer to DWG PB1200310 for piqqyback details.

Special loads

	Dur.Fac.=1.25 / Plate Dur.Fac.=1.25	
64 pif at 0.00 to 64 pif at 2.00		
64 pif at 2.00 to 64 pif at 6.00		
64 pif at 6.00 to 64 pif at 8.00		
4 pif at 0.00 to 4 pif at 8.00		

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

MMWFRS loads based on trusses located at least 10.02 ft. from roof edge.



D-2A 11-13 W-6 31"

R1=28/R281 PLF U=15 PLF W=6-5-6

Decision Crit.: ERC2007Res/TPI-2002 (STD)

FT/RT=10%(0%)/0(0)

$$\text{scale} = 5"/\text{ft}$$

PLOT TYPE: Wave

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**

* **IMPORTANT:** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING: INSTALLERS, TRUSSERS, REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. FOLLOW THE LATEST EDITION OF BCSI (Building Component Safety Information), by IPI and WICA FOR ALL BRACING REQUIREMENTS. BRACING SHALL BE INSTALLED IN ACCORDANCE WITH THE BRACING PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. INSTALLERS SHALL PROVIDE TEMPORARY BRACING TO MAINTAIN THE TRUSS IN A UPRIGHT POSITION UNTIL THE PERMANENT BRACING IS INSTALLED. IF THE TRUSS IS NOT FULLY BRACED OTHERWISE, TOP CHORD SHALL HAVE PROPERLY ATTACHED LATERAL BRACING TO MAINTAIN THE TRUSS IN A UPRIGHT POSITION UNTIL THE PERMANENT BRACING IS INSTALLED. TRUSS SHALL HAVE A PROPERLY ATTACHED RIGID CEILING, BRACING, OR OTHER MEANS, AS APPLICABLE, TO MAINTAIN THE TRUSS IN A UPRIGHT POSITION UNTIL THE PERMANENT BRACING IS INSTALLED.

[illegible]

ALPINE

TTW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

TC LL	20.0	PSF	REF R487-- 7987
TC DL	10.0	PSF	DATE 11/11/11
BC DL	10.0	PSF	DRW HCUSR487 11315089
BC LL	0.0	PSF	HC-ENG DF/DF
TOT.LD.	40.0	PSF	SEQN- 245294
DUR.FAC.	1.25		
SPACING	24.0"		REF- 1UGV487_Z01

Top chord 2x4 SP #2 Dense : I2 2x4 SP #1:

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

[illegible]

Webs 2x4 SP #3

11110 mph wind, 22.04 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00
GCpi (+/-) = -0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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

Refer to DWG PB1200310 for piggyback details.

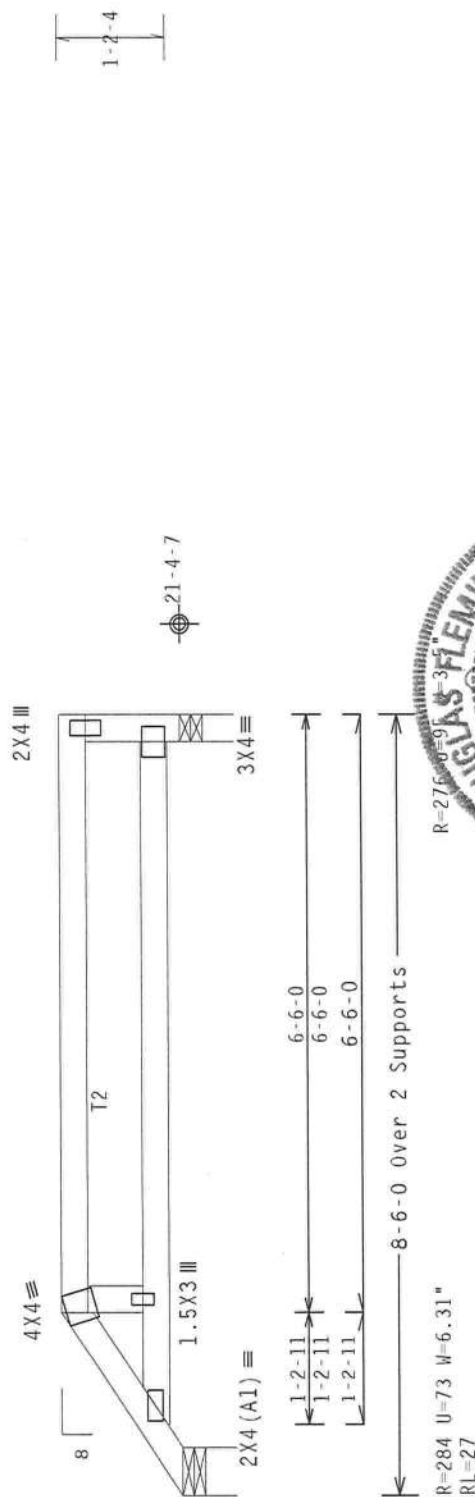
Special loads

Species	Location	Duration (Lumber)	Plate	Duration (Lumber)
TC	From	64 plf at 0.00	to	64 plf at 2.00
TC	From	64 plf at 2.00	to	64 plf at 8.50
BC	From	4 plf at 0.00	to	4 plf at 8.50

Left cantilever is exposed to wind

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

MMFRS loads based on trusses located at least 22.04 ft. from roof edge.



R=284 U=73 W=6.31"
RL=27

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Design CRCL. FBC200/RES/FT-200Z (310)
FT/RT=10%(0%)/0(0)

Scale = .5"/Ft.

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

10.03.04.0601.16 6TY:

Design CRCL. FBC200/RES/FT-200Z (310)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
 ADDRESS THE SPEC. DESIGN, ROOF, CONTRACTORS, INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BC51 (Building Component Safety: Interconnection, by FPI and WCA) for all details. The following are some of the most common mistakes made in the installation of trusses:

- Trusses should be properly attached structurally, sheathing and bottom chord bracing should be installed.
- Trusses should have a properly attached rigid ceiling.
- Locations shown for permanent lateral restraint on trusses shall have bracing installed per BC51 sections B3, B7 or B10, as applicable.

THE BUILDING COMPONENTS GROUP INC. (THENCE) shall not be responsible for any deviation from this design, or any failure to build the truss in accordance with ASD/101.1, or for handling, shipping, installation, or any failure to follow the face and position as shown above and on the joint details, unless otherwise noted. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer. For more information, contact: THENCE, 3155 JOLLA ROAD, SAN JOSE, CA 95128; TEL: 408/261-0393; FAX: 408/261-0394; WWW: WWW.BCI-INDUSTRY.COM

FL COM #0278

Top chord 2x4 SP #2 Dense : T1 2x4 SP #1:

Top chord 2x4 SP #2 Dense

Bot chord 2x4 SP #2 Dense

Webs 2x4 SP #3

Negative reaction(s) of -278# MAX. (See below) from a non-wind load case requires uplift connection.

11110 mph wind, 21.65 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

wind loads and reactions based on MWFRS with additional C&C member design.

left end vertical not exposed to wind pressure.

refer to DWG PR1200310 for piggyback details.

Special loads

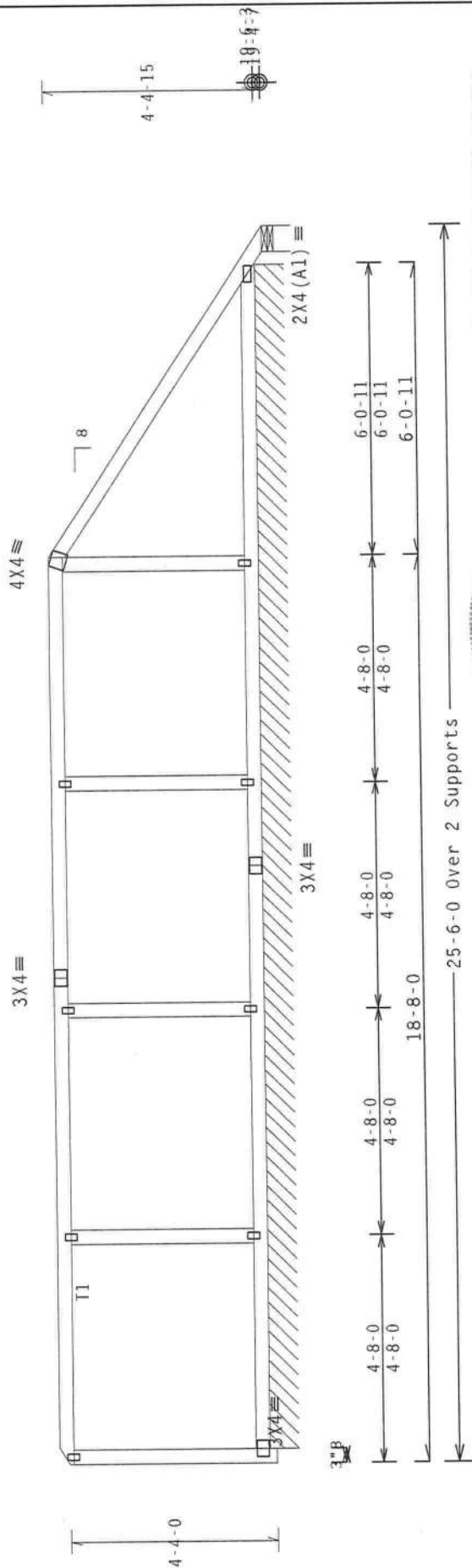
Species	Dur. Fac. = 1.25 / Plate Dur. Fac. = 1.25	
	60 plf at 0.33	60 plf at 0.33
TC-From	60 plf at 0.00 to 60 plf at 0.33	60 plf at 0.00 to 60 plf at 0.33
TC-From	64 plf at 0.33 to 64 plf at 18.67	64 plf at 0.33 to 64 plf at 18.67
TC-From	64 plf at 18.67 to 64 plf at 25.50	64 plf at 18.67 to 64 plf at 25.50
BC-From	4 plf at 0.00 to 4 plf at 25.50	4 plf at 0.00 to 4 plf at 25.50

Left and right cantilevers are exposed to wind

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

Deflection meets 1/240 live and 1/180 total load.

MMFRS loads based on trusses located at least 43.30 ft. from roof edge.



P=81 PLF U=21 PLF W=24-5-0

 $RI = 2/-4 \text{ PIF}$

Note: All plates are 1.5x3 except as shown.

Design Crit: FRC2007Res/TPI-2002(STD)

PLOT TYP. Wave

El 1-1A1-1-1-R1-
Scale = .3125"/Ft.

[illegible]

	0	0	0	DATE	11/11/11
--	---	---	---	------	----------

DATE	II/II/II
10.0 PSF	
TC DL	

10 0 PSE	DRW	HCIISR487	11315092
----------	-----	-----------	----------

3C DL	10.0 F3F	DKW HC03K487 11313032
-------	----------	-----------------------

HC-LL	0.0 PSF	HC-ENG DF/DF
HC-LL	0.0 PSF	HC-ENG DF/DF

[illegible]

TOT.LD.	40.0 PSF	SEQN-	245684
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QUIP FAC	1 25
----------	------

DUR. FAC.	1.25
-----------	------

SPACING	24.0"	JREF- 1UGY487_Z01
---------	-------	-------------------

STAGING	4:00	00:00
---------	------	-------

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

11110 mph wind, 22.32 ft mean hgt, ASE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, Iw=1.00 GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load.
Refer to DWG PB1200310 for piggyback details.

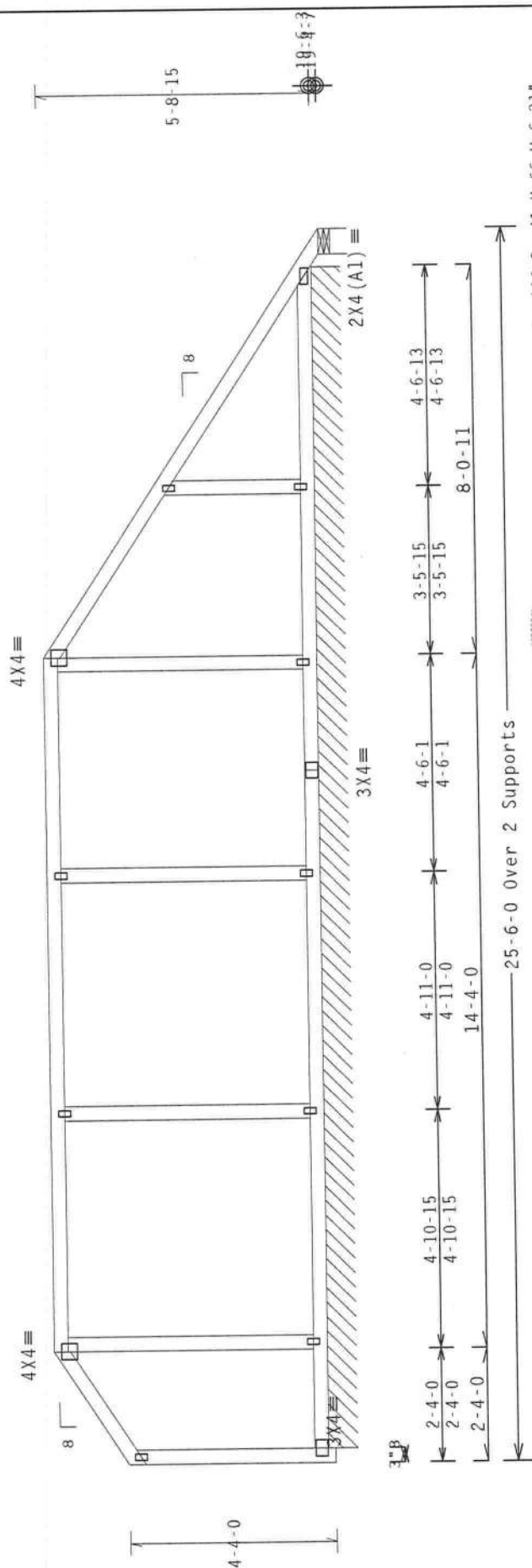
Special loads

Dur. Fac. = 1.25 / Plate Dur. Fac. = 1.25	
64 plf at 0.00 to 64 plf at 2.33	64 plf at 0.00 to 64 plf at 2.33
64 plf at 2.33 to 64 plf at 16.67	64 plf at 2.33 to 64 plf at 16.67
64 plf at 16.67 to 64 plf at 25.50	64 plf at 16.67 to 64 plf at 25.50
4 plf at 0.00 to 4 plf at 25.50	4 plf at 0.00 to 4 plf at 25.50

Left and right cantilevers are exposed to wind

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

MFERS loads based on trusses located at least 44.63 ft. from roof edge.



R=75 PLF U=17 PLF W=24-5-0
RI=4/-6 PLF

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

Scale = .3125"/Ft.

PLT TYP. Wave

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**

*****IMPORTANT*****
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of RCSI (Building Component Safety Information, by IPI and WICA) practices prior to performing these functions. Installers shall provide temporary bracing per the instructions noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have a properly attached rigid sections B3, Bior B10, as applicable.

[illegible]

ALPINE

W Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

2011/11/2011

SPACING 24.0"

2

三

11

GY4

18

107

	Top chord	2x4	SP	#2	Dense	:T1	2x4	SP	#1:
Bot	chord	2x4	SP	#2	Dense				
	webs	2x4	SP	#3					

Negative reaction(s) of -224# MAX. (See below) from a non-wind load case requires uplift connection.

11110 mph wind, 22.98 ft mean hgt, ASCE 7-05, Cl.0SED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Left end vertical not exposed to wind pressure.

Refer to DWG PB1200310 for piggyback details.

Special loads

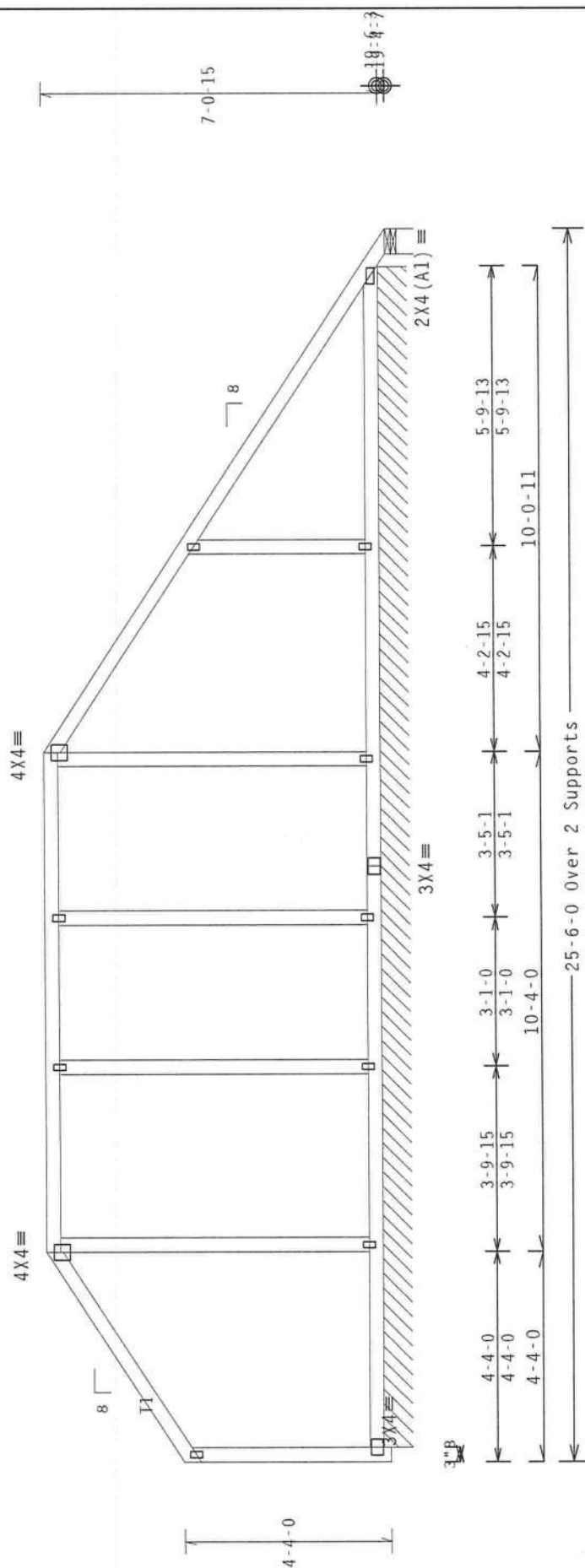
Species	Sex	Age	Weight (kg)	Length (cm)	Wing (cm)	Tail (cm)	Bill (cm)	Foot (cm)	Middle toe (cm)	Claw (cm)	Sexual maturity	Reproductive condition	Notes
TC	Female	Adult	1.25	14.67	14.67	14.67	1.25	0.00	0.00	0.00	64 pif	64 pif	64 pif
TC	Female	Adult	1.25	14.67	14.67	14.67	1.25	0.00	0.00	0.00	64 pif	64 pif	64 pif
TC	Female	Adult	1.25	14.67	14.67	14.67	1.25	0.00	0.00	0.00	64 pif	64 pif	64 pif
BC	Female	Adult	1.25	14.67	14.67	14.67	1.25	0.00	0.00	0.00	64 pif	64 pif	64 pif

Left and right cantilevers are exposed to wind

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

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

MMFRS loads based on trusses located at least 45.96 ft. from roof edge.



R=80 PLF U=16 PLF W=24-5-0
PL=5/-7 PLF

Note: All plates are 1.5x3 except as shown.

Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP: Wave

Scale = .3125"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**

****IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and NITCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing post and unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraining and bracing shall have bracing installed per BCSI sections B5, B7 or B16, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with the design and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions. A seal upon drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com/tipnstr-01; NITCA: www.nitcaindustry.com.

TC LL	20.0	PSF	REF	R487--	7992
TC DL	10.0	PSF	DATE	11/11/11	
BC DL	10.0	PSF	DRW	HCUSR487	11315094
BC LL	0.0	PSF	HC-ENG	DF/DF	
TOT.LD.	40.0	PSF	SEQN-	245733	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UGV487_Z01	

111-209--Fill in later BOB JORDAN -- , ** - GPG)

Top chord 2x4 SP #2 Dense : T2 2x4 SP #1:

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

Webb 2x4 SP #3

ALL IS BY YOUR COMMAND

1110 mph wind, 22.45 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf, Iw=1.00 GCpi(+/-)=0.18

...based loads and reactions based on MWERS with additional C&C member design.

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

Refer to DWG PB1200310 for piggyback details.

Special loads

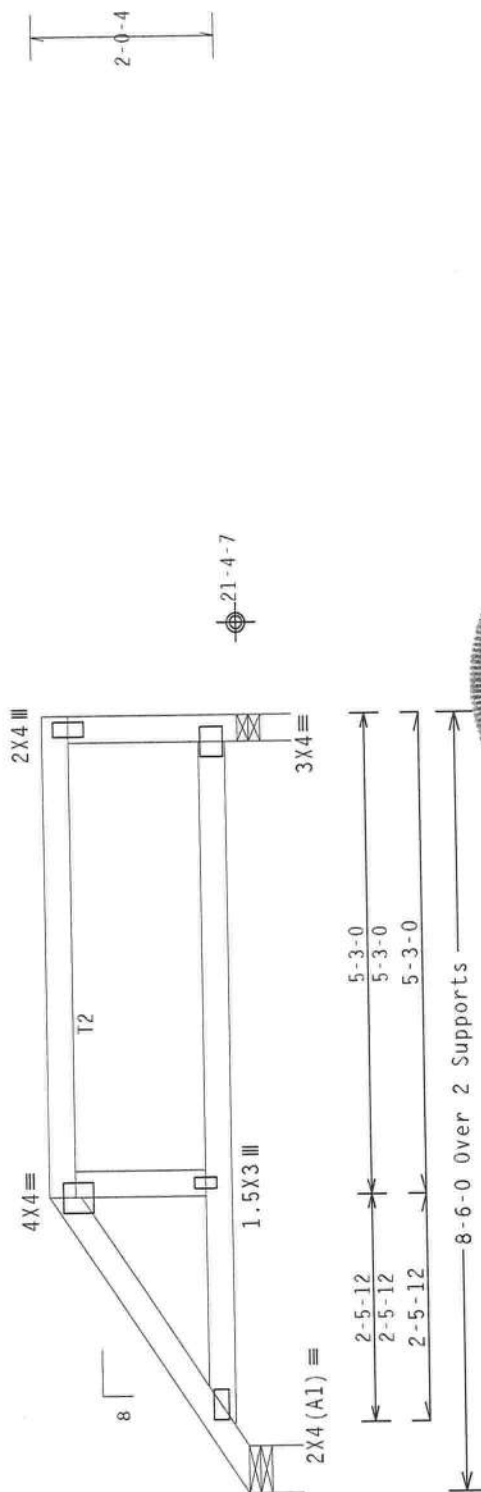
Special loads	(Lumber	Dur. Fac. = 1.25 /	Plate Dur. Fac. = 1.25)
TC- From	64 plf at	0.00 to	64 plf at 3.25
TC- From	64 plf at	3.25 to	64 plf at 8.50
BC- From	4 plf at	0.00 to	4 plf at 8.50

right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

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

MWFRS loads based on trusses located at least 22.45 ft. from roof edge.



R=284 U=55 W=6.31"
RL=47/-26

Design Crit: FBC2007Res/TPI-2002(STD)
 $ET/RT=10\%(0\%)/0(0)$

PLT TYP. Wave

ALPINE

TTW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**
 WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
 WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

IMPORTANT— FURNISH THIS SECTION TO ALL CONTRACTORS INCLUDING INSTALLERS.

Processors require extreme care in fabrication, handling, installation and bracing. Before installation, the contractor should consult the latest edition of BECI (Building Component Safety Information, by IP1 and UIC4) for safety and erection practices prior to performing these functions. Installers shall provide temporary bracing for all components until the permanent bracing is installed. If the installers noted otherwise, the third chord shall have properly attached structural reinforcement. The contractor shall ensure that the third chord has a properly attached rigid ceiling. Locations of permanent lateral restraint are shown on drawings. Repairs are applicable.

shall have bracing installed per INC. Section 1002.01. The building components shall not be responsible for any deviation from this design for any structure. This job's responsibility is solely for the design. The building designer per ASCE 1002.01. Sec. 1002.01. For more information see: www.asce.org

general notes page; 1
icc- www.iccsafe.org

Scale = .5"/Ft.

$$E[1 - |A|] = 1 - |R| -$$

RFF R487-- 7993

DATE 11/11/11

DBI MCSB 487 11315095

UIC FMC DE / DE

[illegible]

ROT.LD.	40.0
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DUR.FAC. 1.25

SPACING 24.0"

11/11/2011

Figure 1

(11-209--Fill in later BOB JORDAN -- ** - H19AP)

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

110 mph wind, 23.04 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCPI(+/-)=0.18

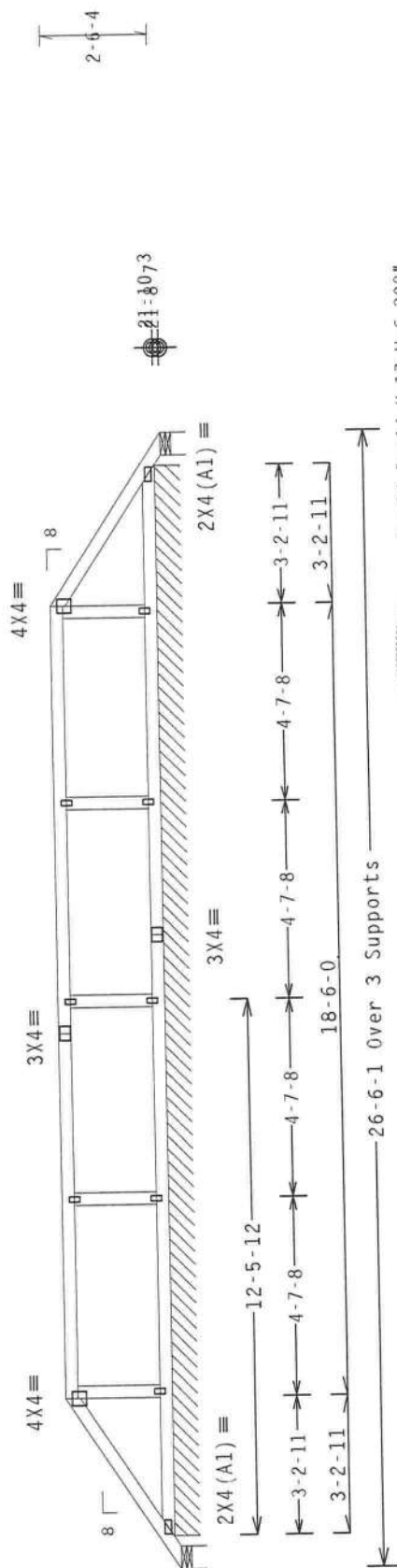
Wind loads and reactions based on MMFRS with additional C&C member design.
Deflection meets L/240 live and L/180 total load.
Refer to DWG PB1200310 for piggyback details.

Special loads

Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
----- (Lumber
TC- From 64 plf at 0.00 to 64 plf at 4.00
TC- From 64 plf at 4.00 to 64 plf at 22.50
TC- From 64 plf at 22.50 to 64 plf at 26.50
BC- From 4 plf at 0.00 to 4 plf at 26.50

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

MMFRS loads based on trusses located at least 11.52 ft. from roof edge.



R=-14 Rw=49 U=52 W=6.31"
RL=81726PLF U=16 PLF W=24-11-7

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TP1-2002 (STD)
FT/RT=10% (0%) / 0(0)

PLT TYP. Wave

R=-14 Rw=14 U=17 W=6.309"

Scale = .25" / Ft.

TC LL	20.0 PSF	FL / - / 4 / - / - / R / -	REF	R487 - -	7995
TC DL	10.0 PSF		DATE	11/11/11	
BC DL	10.0 PSF		DRW	HCUSR487	11315097
BC LL	0.0 PSF		HC-ENG	DF/DF	
TOT.LD.	40.0 PSF		SEQN-	246247	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UGY487_Z01	



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Components Suppliers Institute) Manual for details and practices prior to performing the installation. Truss installers shall provide temporary bracing and bracing details noted on drawings. Truss installers shall have properly attached structural sheathing and bottom chord bracing installed per BCSI sections B3, B7 or B10, as applicable.
TPV Building Components Group Inc. (TPVBCGI) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TP1 1, or for handling, shipping, installing, or bracing of trusses. Apply plates to each face of truss and position as shown above and on drawings. A seal on the drawing or cover page listing this drawing, the name of the designer, the date of this design, and the responsibility solely for the design, the name of the designer, the date of this design, and the responsibility solely for the design. TPVBCGI: www.tpvcgi.com; TP1: www.tp1inst.org; MICA: www.sbcindustry.com; ICC: www.icccafe.org



11-209--Fill in later BOB JORDAN -- , ** - H25AP)

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

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

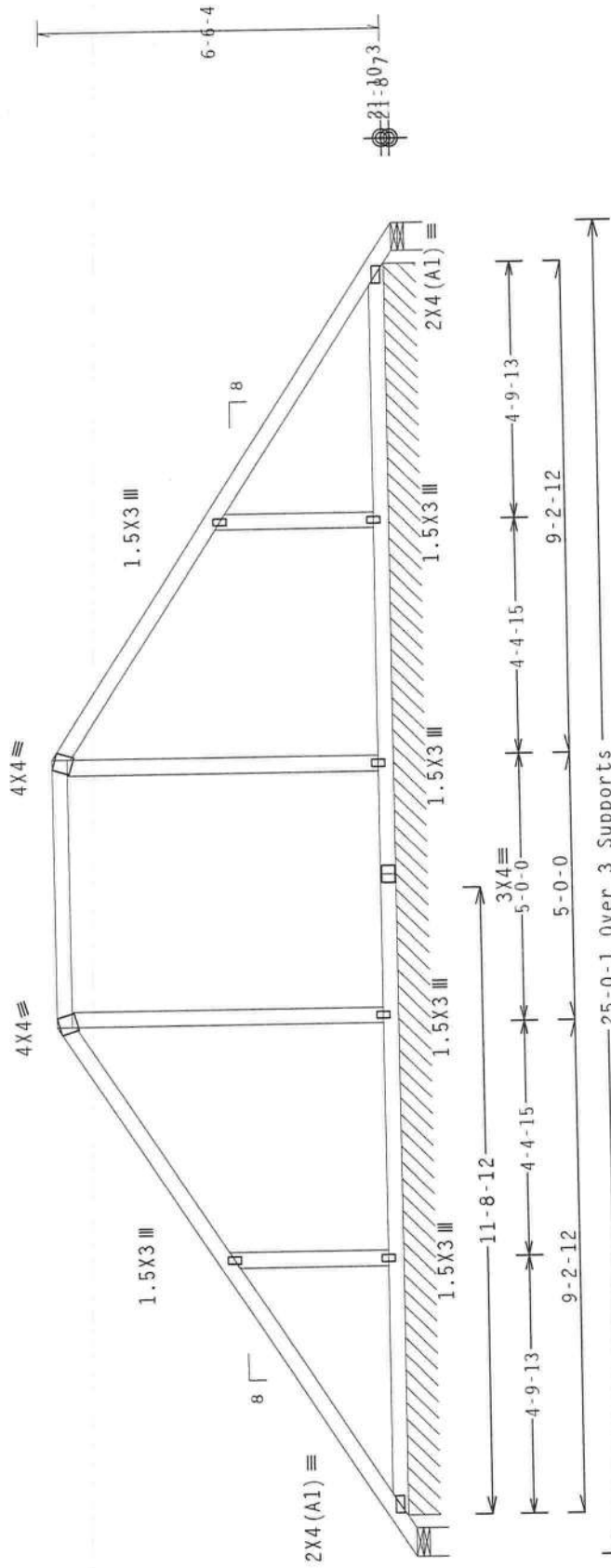
Refer to DWG PB1200310 for piggyback details.

110 mph wind, 25.04 ft mean ht, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind RC DL=2.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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

MIFRS loads based on trusses located at least 25.04 ft. from roof edge.



0-76 D.W.=123 II=139 M=6 31"

R=76 RW=123 U=139 W=0.31
R1=18097180F U=13 PLF W=23-5-7

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)
$$\text{Scale} = .3125"/\text{Ft.}$$

PIT TYP. Wave

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
BEFORE INSTALLING. CONTRACTORS, INCLUDING INSTALLERS,

****WARNING** READ AND FOLLOW INSTRUCTIONS CAREFULLY**

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

****IMPORTANT****

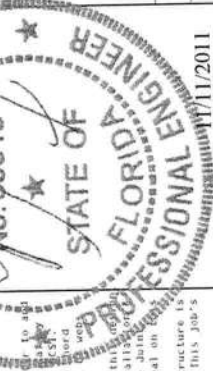
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to local building codes for details. Trussing shall be installed in accordance with the design shown. Trusses shall follow the latest edition of BCSI (Building Component Safety Information, by IPT and WICA) for design and installation practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Trusses shall be installed in accordance with the design shown. Trusses shall be installed in accordance with the design shown. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint are indicated by dashed lines. See BCSI section 06-89.00 for applicable details.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278



TC LL	20.0	PSF	REF R487 - 7996
TC DL	10.0	PSF	DATE 11/11/11
BC DL	10.0	PSF	DRW HCURS487 11315098
BC LL	0.0	PSF	HC-ENG DF/DF
TOT.LD.	40.0	PSF	SEQN- 246279
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UGY487_Z01

(11-209--F11) in later BOB JORDAN -- ** - H27AP)

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

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

MWFRS loads based on trusses located at least 25.70 ft. from roof edge.
Refer to DWG PB1200310 for piggyback details.

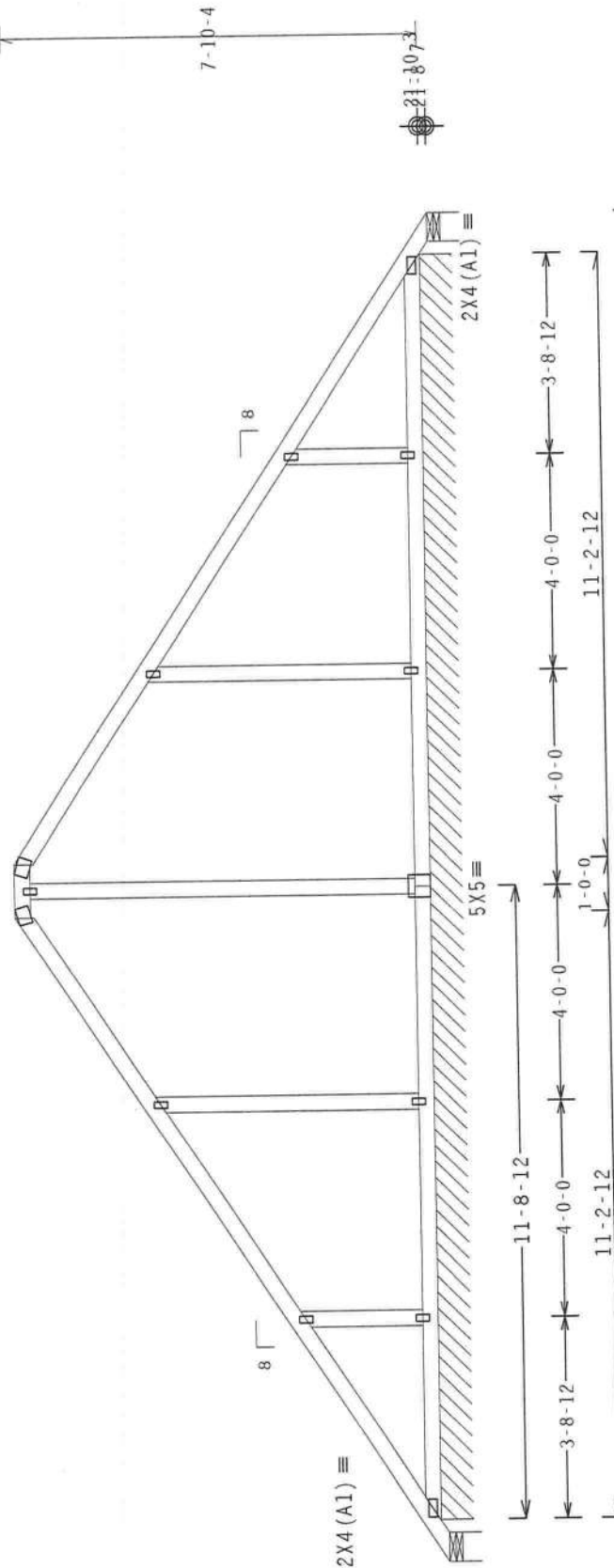
110 mph wind, 25.70 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. $I_w=1.00$ GCpi (-/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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

3X4

3X4



R=27 Rw=125 U=124 W=6.31"
RL=18385 108F U=11 PLF W=23-5-7

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

Scale = .3125"/Ft.

PLT TYP. Wave

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Components Suppliers Institute) by TPI and NACA for best practices prior to performing the installation. Truss installers shall provide temporary bracing per BCSI. Unless noted otherwise, all trusses shall have properly attached structural sheathing and bottom chord bracing. Truss installers shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

Truss Building Components Group Inc. (TBCGI) shall not be responsible for any deviation from this design. Failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings 1004-2 for standard plate and joint details. Drawing or cover page listing this drawing, indicating liability and use of this design for any structure is the responsibility of the designer. For more information see: This Job's TPI-BCSI: www.tpiinst.org; TPI: www.tpiinst.org; NACA: www.nacainst.org; TBCGI: www.tbcgi.org

ALPINE

rw Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278



FL / - / 4 / - / - / R / -	TC LL	20.0 PSF	REF	R487 - -	7997
	TC DL	10.0 PSF	DATE	11/11/11	
	BC DL	10.0 PSF	DRW	HCUSR487	11315099
	BC LL	0.0 PSF	HC-ENG	DF/DF	
	TOT. LD.	40.0 PSF	SEQN	-	246443
	DUR. FAC.	1.25			
	SPACING	24.0"	JREF	-	1UGY487_Z01

111-209--Fill in later BOB JORDAN -- , ** - AP)

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

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

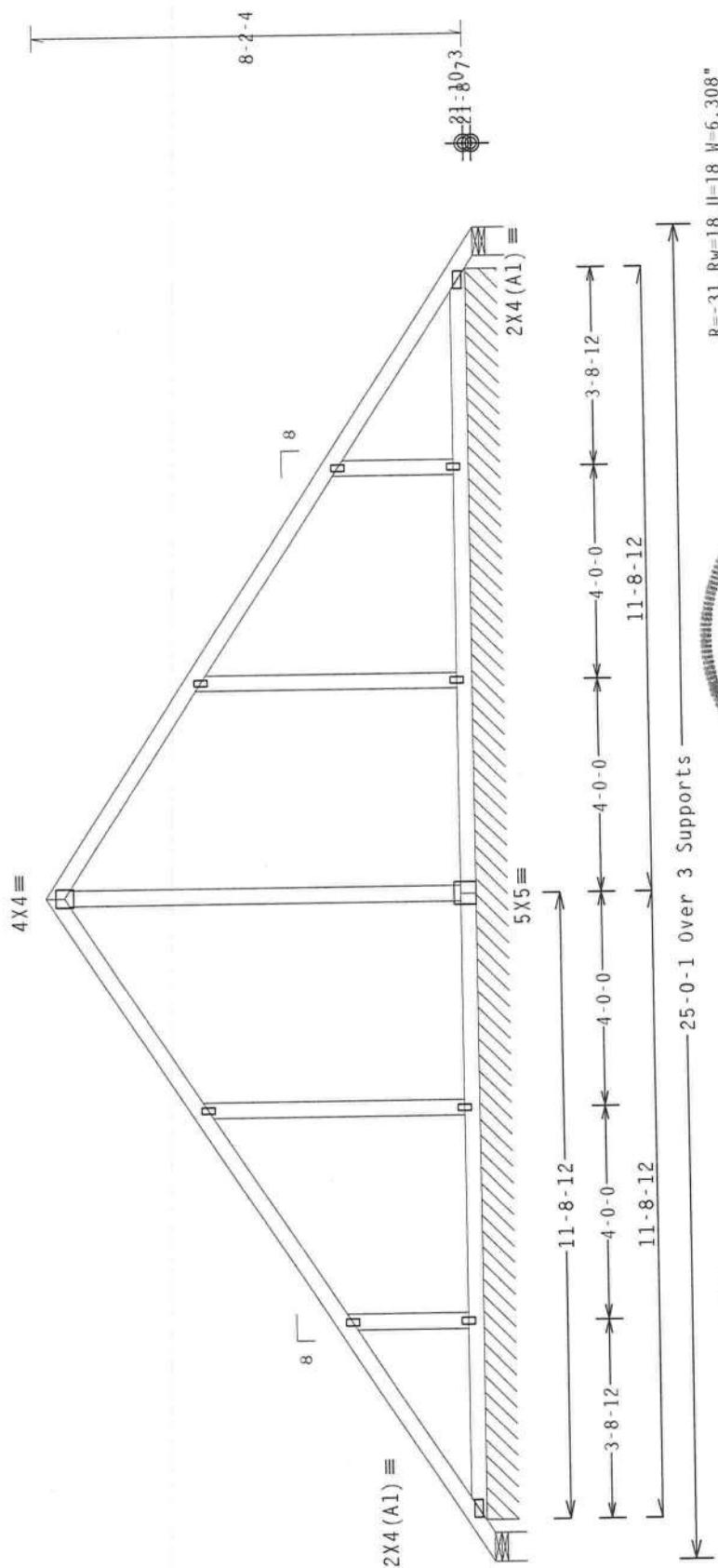
Deflection meets L/240 live and L/180 total load.

Refer to DWG PB1200310 for piggyback details.

110 mph wind, 25.87 ft mean hgt, ASCE 7-05, ClOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DLE=5.0 psf, wind TC DI=2.0 psf. $I_w=1.00$ GCPI (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

MFERS loads based on trusses located at least 25.87 ft. from roof edge.



$P = -.31$ $R_W = .130$ $U = .129$ $W = 6.31^{**}$

R=-.31 KW=130 U=129 W=0.31
PI=20186201F U=11 PLF W=23-5-7

Note: All plates are 1.5X3 except as shown.

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10% (0%) / 0 (0)

$$\text{Scale} = .3125" / \text{Ft.}$$

PIT TYP.: Wave

[illegible]

OFF P487-- 7998

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
PROHIBIT THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

*****FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trosses require extreme care in fabrication, handling, shipping, installing and bracing. Read up and follow the latest edition of BSI (Building Component Safety Information, by IPI and BICA) for all details and instructions. Installers shall provide temporary bracing per BSI and BICA. If any questions or problems arise, please contact the manufacturer. The manufacturer shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint, or bracing, shall be installed per BSI sections B3, B4 or B10, as applicable.

IW Building Components Group Inc. (IWBC) shall not be responsible for any deviation from this design. IWBC shall have drawing responsibilities per ASTM F1363-07, Section 9.1.1. This includes, but is not limited to, the following:

- Responsibility for handling, shipping, installation and storage of the product.
- Responsibility for ensuring that all components are installed as shown above and on the jointing surface.

If any failure to build the Apply plates to each face of truss or joist occurs, it shall be the responsibility of the contractor. The contractor shall be responsible for obtaining all necessary permits, details, unless noted otherwise. Refer to drawings IWB-C-100-2 for standard plate positions. A seal on the bottom flange of the truss or joist is required. See drawing IWB-C-100-2 for details.

The drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ASTM F1363-07, Section 9.1.2. For more information see: This Job's specifications and drawings. © 2010 IWBC. All rights reserved. www.iwb-usa.com

ALPTNF

TW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278



11-209--Fill in later BOB JORDAN -- , ** - H21AP)

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

1110 mph wind, 23.70 ft mean hgt., ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. $I_w=1.00$ GCpi (+/-)=0.18

...ing loads and reactions based on MWERS with additional C&C member design.

Deflection meets 1/240 live and L/180 total load.

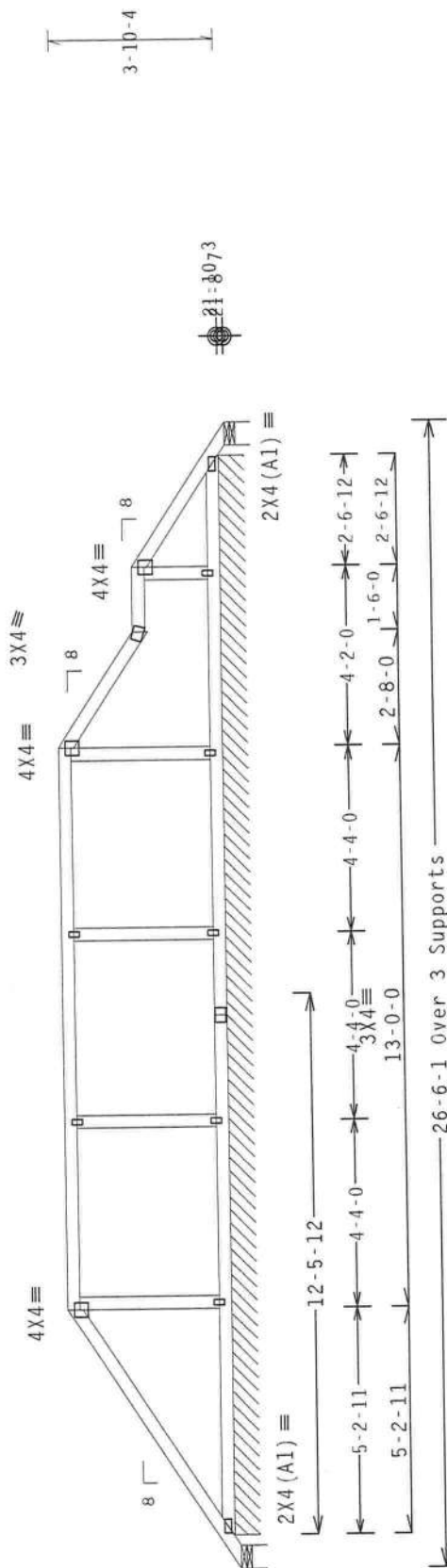
turning loads based on trusses located at least 11.85 ft. from roof edge.

Refer to DWG PB1200310 for piggyback details.

Special loads

	Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
(Lumber)	
IC-From	64 plf at 0.00 to 64 plf at 6.00
TC-From	64 plf at 6.00 to 64 plf at 19.00
IC-From	64 plf at 6.00 to 64 plf at 21.67
TC-From	64 plf at 19.00 to 64 plf at 23.17
IC-From	64 plf at 21.67 to 64 plf at 26.50
TC-From	64 plf at 23.17 to 64 plf at 26.50
IC-From	4 plf at 0.00 to 4 plf at 26.50

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



R=-153 R_w=90 U=116 W=6.31"
PI=0377qPI F U=17 PLF W=24-11-7

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

PLT TYP. Wave

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following information for details.

Allow the latest edition of BCSI Building Component Safety Information, by IP1 and MICA for the most current information on the use of BCSI products. This information will provide temporary bracing percentages for various truss configurations.

Businesses noted otherwise, top chord shall have preattached structural sheathing and bottom chord shall have a properly attached lateral restraint.

See BCSI B10-85-001333 for details.

[illegible]

ALPINE

THE Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

FL/-/4/-/-/R/-		Scale = .25" /Ft.
TC LL	20.0 PSF	REF R487 -- 7999
TC DL	10.0 PSF	DATE 11/11/11
8C DL	10.0 PSF	DRW HCUR487 11315101
8C LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 246307
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UGY487_Z01

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

1110 mph wind, 24.37 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. Iw=1.00 GCpi (+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design. Reflection meets 1/240 live and L/180 total load.

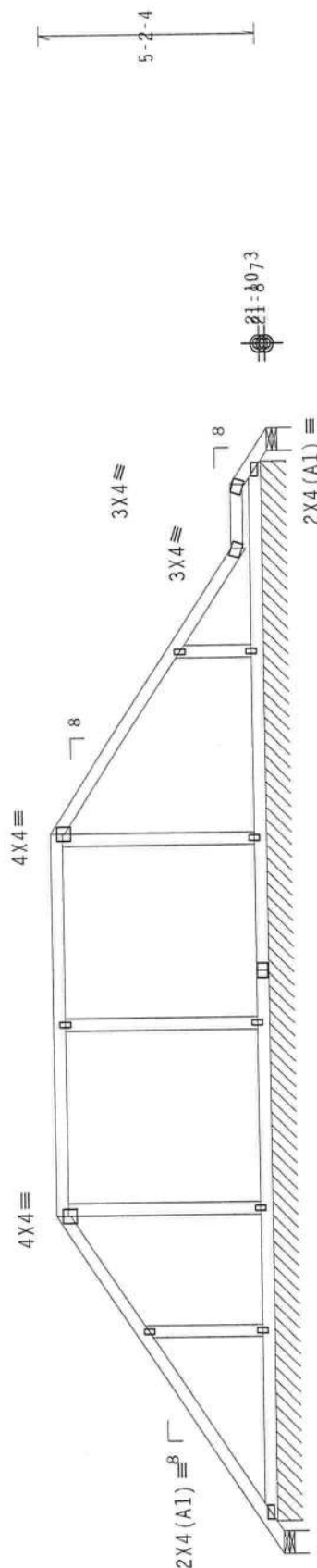
turns loads based on trusses located at least 24.37 ft. from roof edge.

Refer to DWG PB1200310 for piggyback details.

Special loads
----- (Lumber

	Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC-From	64 plf at 0.00 to 64 plf at 8.00
TC-From	64 plf at 8.00 to 64 plf at 17.00
TC-From	64 plf at 17.00 to 64 plf at 23.67
TC-From	64 plf at 23.67 to 64 plf at 25.17
TC-From	64 plf at 25.17 to 64 plf at 26.50
BC-From	4 plf at 0.00 to 4 plf at 26.50

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



26-6-1 Over 3 Supports

P=-.92 RW=101 U=120 W=6.31"

R=-9Z RW=101 U=120 W=0.51
RI=8987-PP6 U=14 PLF W=24-11-7

Note: All plates are 1.5X3 except as shown.

Design Crit: FBC2007Res/TPI-2002(STD)

FT/RT=10%(0%)/0(0)

Scale = .25"/Ft.

FL - 4	20.0	PSF	REF R487-- 8000
TC LL	10.0	PSF	DATE 11/11/11
TC DL	10.0	PSF	DRW HCUR487 11315102
BC DL	0.0	PSF	HC-ENG DF/DF
BC LL	40.0	PSF	SEQN- 246324
TOT.LD.	1.25		
DUR.FAC.	24.0"		JREF- 1UGY487_Z01



****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**
 THIS PANEL WAS DESIGNED FOR ALL CONTRACTORS INCLUDING INSTALLERS.

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Tresses require extreme care in fabricating, handling, shipment, installing and bracing. Refer to the following instructions carefully. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for all applicable provisions. Installers shall provide temporary bracing per BCSI requirements. The contractor shall ensure that the structural steel members are installed as shown on drawings. All connections shall have a properly attached rigid collar. Locations shown on drawings shall be strictly followed.

[illegible]

NTW Building Components Group Inc.

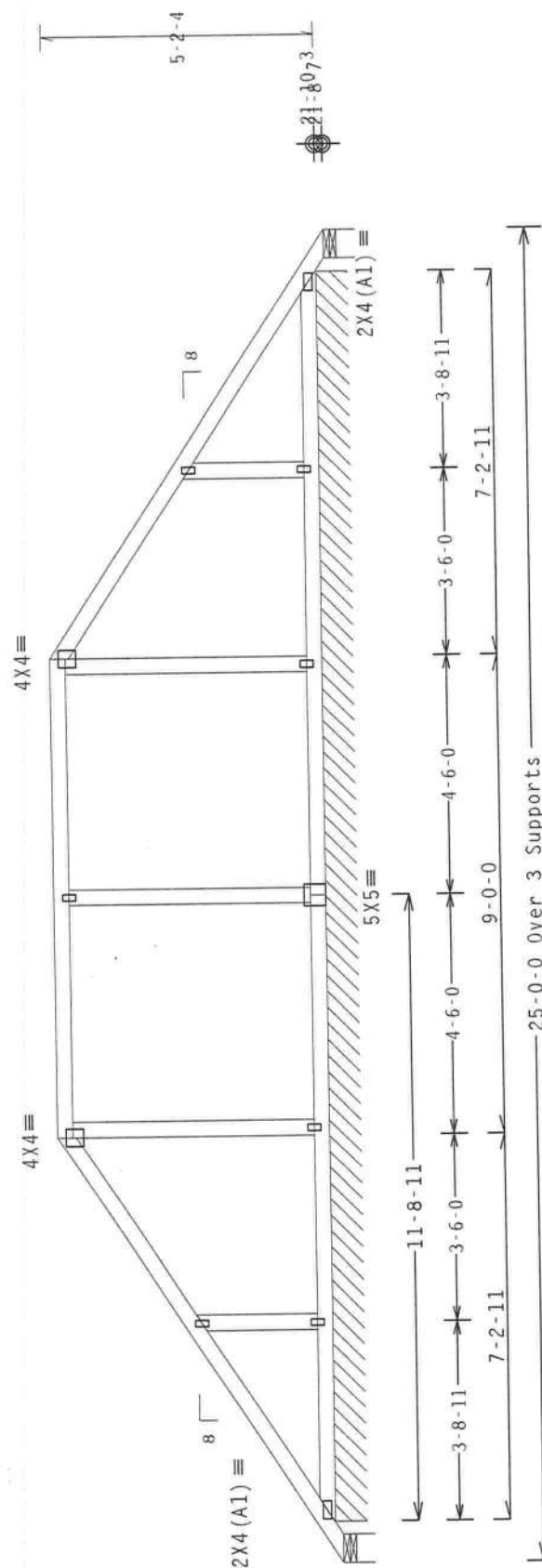
Haines City, FL 33844

Business City, FL 338
FL COA #0 278

Wind loads and reactions based on MWFRS with additional C&C member design. Deflection meets L/240 live and L/180 total load. Refer to DWG PB1200310 for piggyback details.

Dur.	Fac.=1.25	/	Plate	Dur.	Fac.=1.25
64 plf	at	0.00	to	64 plf	at 8.00
64 plf	at	8.00	to	64 plf	at 17.00
64 plf	at	17.00	to	64 plf	at 25.00
4 plf	at	0.00	to	4 plf	at 12.50
4 plf	at	12.50	to	4 plf	at 25.00

MMWFRS loads based on trusses located at least 48.74 ft. from roof edge.



R=-33 RW=17 U=22 W=6.31"

R=-33 R_W=86 U=93 W=6.31"
R_I=12674126F U=12 PLF W=23-5-6

Note: All plates are 1.5x3 except as shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

 $FT/RT=10\%(0\%)/0(0)$
$$\text{Scale} = .3125"/\text{Ft.}$$

PLT TYP. Wave

F	L		4	/	K
20	11		20	0	DCE

01:10907

10.01

$$\overline{FT/RT=10\%(0\%)/0(0)}$$

1

PLT TYP. Wave

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!**
BEFORE THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

[illegible][illegible]

ALPINE
ITW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0278

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

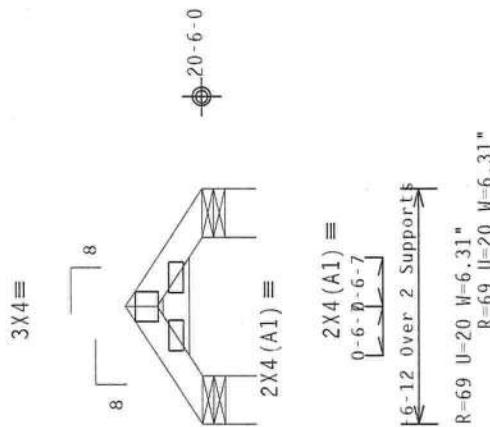
Building Components Group

Haines City, FL 33844

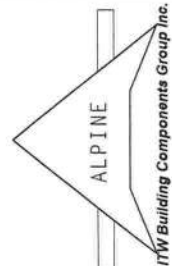
FL COA #0 278

Refer to DWG PBI200310 for piqqyback details.

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

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$

PLT TYP. Wave



Haines City, FL 33844
FL COA #0 278

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET**
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

****IMPORTANT****

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for all practices and procedures prior to performing these functions. Installers shall prepare, by TPI and WCA, a bracing plan for each truss, showing the location of all bracing, including temporary bracing and bracing to be installed. The bracing plan shall be properly attached prior to setting. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

THE Building Components Group Inc. (THBCG) shall not be responsible for any deviation from the design shown on this drawing and shall not be responsible for any damage to the truss or any other building component resulting from the bracing of trusses. Apply plates to each face of truss and position as shown above and on the above details, unless noted otherwise. Refer to drawings 1600-Z for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see the general notes page: TH-BCG: www.thbcg.com; TPI: www.tpi-usa.net; WCA: www.wca-industries.com

FL / - / 4 / - / - (R / -		Scale = .5" / Ft.
TC LL	20.0 PSF	REF R487 - - 8003
TC DL	10.0 PSF	DATE 11/11/11
BC DL	10.0 PSF	DRW HCUR487 11315105
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 246799
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UGY487 Z01

Scale = .5"/Ft.

11/11/2011

CLB WEB BRACE SUBSTITUTION

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

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.
ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

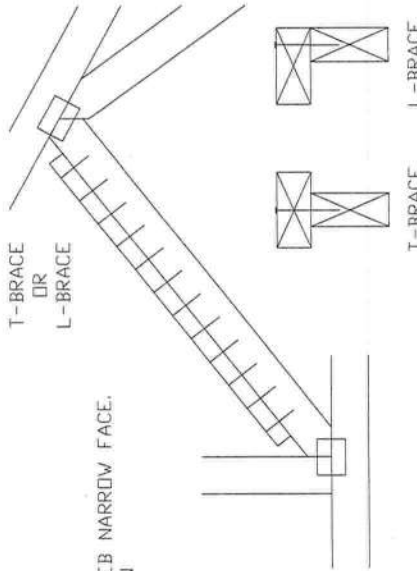
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

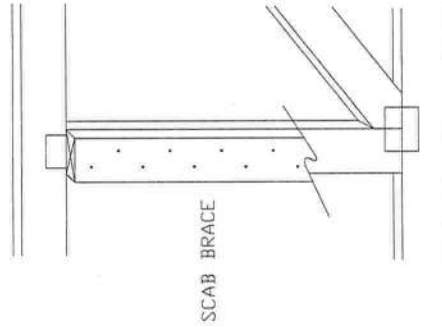
T-BRACING
OR
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 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



Building Components Group Inc.

Earth City, MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to the following BCSI Building Component Safety Information, by TPI and VTCB for additional information. Trusses are designed and manufactured to meet or exceed the requirements of the American Institute of Steel Construction, Inc. (AISC) Specification for Structural Steel Buildings, 13th Edition, 2005. Trusses are designed and manufactured to meet or exceed the requirements of the American Institute of Steel Construction, Inc. (AISC) Specification for Structural Steel Buildings, 13th Edition, 2005. Trusses are designed and manufactured to meet or exceed the requirements of the American Institute of Steel Construction, Inc. (AISC) Specification for Structural Steel Buildings, 13th Edition, 2005.

IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITM Building Components Group Inc. (ITMBCG) shall not be responsible for any deviation from the design, any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing, or bracing of trusses. ITMBCG connector plates are made of 2018/16GA (43/5/30) ASTM A572 Grade 50 (43/5/30) (43/5/30) galv. steel. Apply plates to each face of truss, positioned as shown above and on joint details. Trusses are designed and manufactured to meet or exceed the requirements of the American Institute of Steel Construction, Inc. (AISC) Specification for Structural Steel Buildings, 13th Edition, 2005. Trusses are designed and manufactured to meet or exceed the requirements of the American Institute of Steel Construction, Inc. (AISC) Specification for Structural Steel Buildings, 13th Edition, 2005. Trusses are designed and manufactured to meet or exceed the requirements of the American Institute of Steel Construction, Inc. (AISC) Specification for Structural Steel Buildings, 13th Edition, 2005.



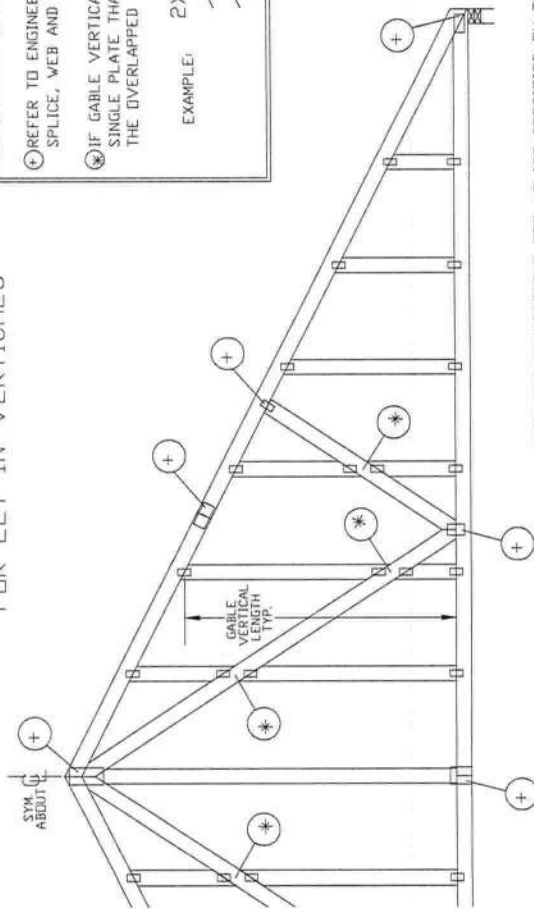
TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB0109
BC LL	PSF		
TOT. L.D.	PSF		
DUR. FAC.			
SPACING			

GABLE STUD REINFORCEMENT DETAIL

ASCE 7-05: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C, Kzt = 1.00

2X4 GABLE VERTICAL SPACING		BRACE GRADE	NO BRACES	(1) 1X4 'L' BRACE *				(1) 2X4 'L' BRACE *				(2) 2X4 'L' BRACE **				(1) 2X6 'L' BRACE *				(2) 2X6 'L' BRACE *				(2) 2X6 'L' BRACE *			
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B		
12" D.C.	SPF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 5"	12' 5"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
	HF	#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
		STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
		STANDARD	3' 9"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
24" D.C.	SP	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
	DFL	#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
		#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	10' 10"	12' 5"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
16" D.C.	SPF	STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
	HF	#1 / #2	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		#3	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"				
12" D.C.	SPF	STANDARD	4' 4"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
	HF	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		STUD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
12" D.C.	SPF	STANDARD	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
	HF	#1 / #2	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		#3	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
12" D.C.	SPF	STANDARD	4' 9"	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
	HF	#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		STUD	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
12" D.C.	SPF	STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
	HF	#1	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		#2	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					
		STUD	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"					

GABLE DETAIL FOR LET-IN VERTICALS

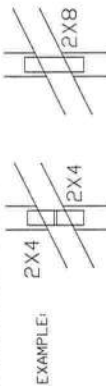


GABLE TRUSS PLATE SIZES

REFER TO APPROPRIATE ITW GABLE DETAIL FOR MINIMUM PLATE SIZES FOR VERTICAL STUDS.

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

⊗ IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE THAT COVERS THE TOTAL AREA OF THE OVERLAPPED PLATES TO SPAN THE WEB.



*1" REINFORCEMENT ATTACHMENT DETAIL



TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" INCREASE BY LENGTH (BASED ON APPROPRIATE ITW GABLE DETAIL).

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

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	*1" REINF. MBR. SIZE	*T INCREASE
140 MPH	2x4	10 %
15 FT	2x6	50 %
140 MPH	2x4	10 %
30 FT	2x6	50 %
130 MPH	2x4	10 %
15 FT	2x6	50 %
130 MPH	2x4	10 %
30 FT	2x6	50 %
120 MPH	2x4	10 %
15 FT	2x6	50 %
120 MPH	2x4	10 %
30 FT	2x6	40 %
110 MPH	2x4	10 %
15 FT	2x6	40 %
110 MPH	2x4	10 %
30 FT	2x6	50 %
100 MPH	2x4	20 %
15 FT	2x6	30 %
100 MPH	2x4	10 %
30 FT	2x6	40 %
90 MPH	2x4	20 %
15 FT	2x6	20 %
90 MPH	2x4	20 %
30 FT	2x6	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT, Kzt = 1.00

GABLE VERTICAL = 24' DC. SP #3

*1" REINFORCING MEMBER SIZE = 2X4

*1" BRACE INCREASE (FROM ABOVE) = 10% = 1.10

(1) 2X4 "L" BRACE LENGTH = 6' 7"

MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"

PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

END DRIVEN NAILS:

10d COMMON (0.148"x 3" MIN) NAILS AT 4" O.C. PLUS

(4) NAILS IN TOP AND BOTTOM CHORD.

TOENAIL NAILS:

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

(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ITW GABLE DETAIL FOR ASCE

WIND LOAD.

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015980109, A12015980109, A11015980109, A10015980109,

A13030980109, A12030980109, A11030980109, A10030980109

ASCE 7-02 GABLE DETAIL DRAWINGS

A13015020109, A12015020109, A11015020109, A10015020109,

A13030020109, A12030020109, A11030020109, A10030020109

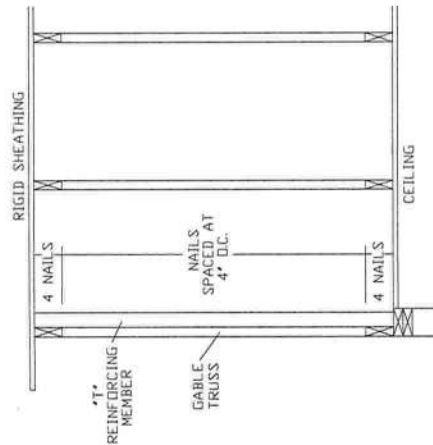
ASCE 7-05 GABLE DETAIL DRAWINGS

A13015050109, A12015050109, A11015050109, A10015050109,

A13030050109, A12030050109, A11030050109, A10030050109

SEE APPROPRIATE ITW GABLE DETAIL FOR MAXIMUM

UNREINFORCED GABLE VERTICAL LENGTH.



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI (Building Component Safety Information, by TPI and VITAC) For safety practices prior to performing these functions. Installers shall provide temporary bracing and lateral chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 & B7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. Building Component Safety (BCSI) is a registered trademark of Trus Joist Inc. for any deviation from the design shown, the contractor shall be responsible for the safety of the building. Shipping, handling, installing & bracing of trusses. ITWBCG connector plates are made of 2018/16GA (V/H/S/K) ASTM A653 grade 37/40/60 (G/V/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and on joint details. Seal on this drawing or cover page indicates acceptance and professional engineering responsibility. Building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. ITW - BCG: www.itwbcg.com; TPI: www.tpinet.com; VITAC: www.vitacindustry.com; ICC: www.iccsafe.org



Building Components Group Inc.

Earth City, MO 63045

REF LET-IN VERT

DATE 1/1/09

DRWG GBLLETIN0109

MAX TOT. LD. 60 PSF

DUR. FAC. ANY

MAX SPACING 24.0"

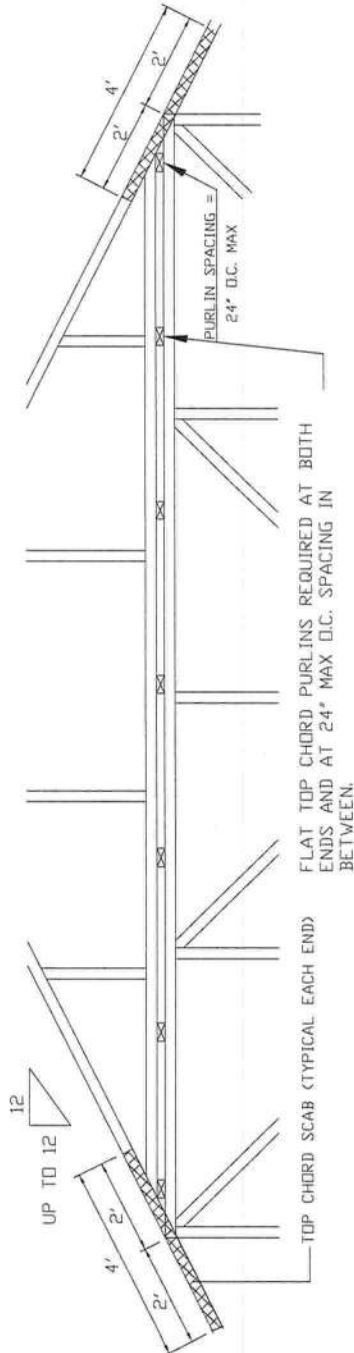


120 PIGGYBACK DETAIL

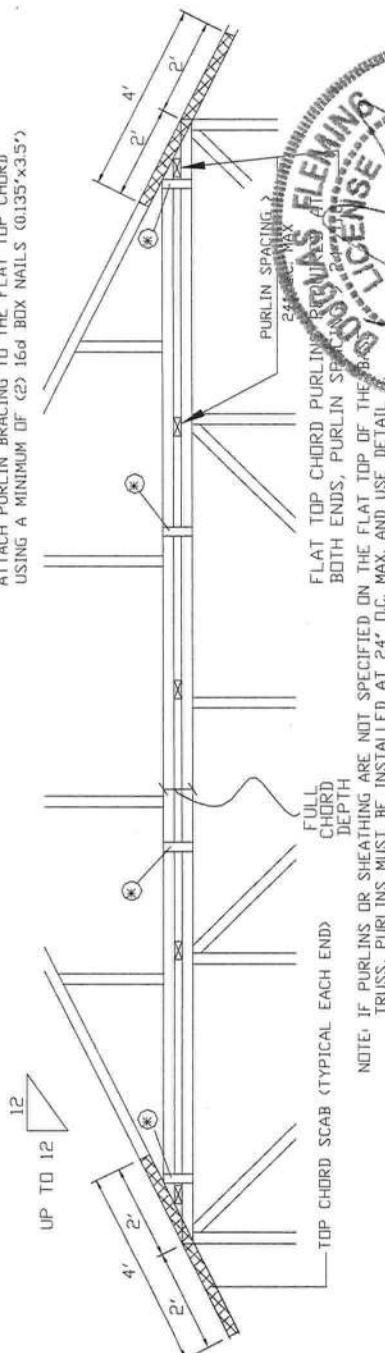
UP TO 120 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02 DR ASCE 7-05, ENCLOSED BLDG. LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND DL= 5.0 PSF (MIN), Kzt=1.0.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATELY BRACED BY SHEATHING OR PURLINS. THE BUILDING ENGINEER OF RECORD SHALL PROVIDE DIAGONAL BRACING OR ANY OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS, AND LATERAL BRACING FOR OUT OF PLANE LOADS OVER GABLE ENDS. ** REFER TO ENGINEER'S SEALED TRUSS DESIGN DRAWING FOR PIGGYBACK AND BASE TRUSS SPECIFICATIONS.

DETAIL A : PURLIN SPACING = 24" O.C. OR LESS



DETAIL B : PURLIN SPACING > 24" O.C.



NOTE: IF PURLINS OR SHEATHING ARE NOT SPECIFIED ON THE FLAT TOP OF THE TRUSS, PURLINS MUST BE INSTALLED AT 24" O.C. MAX. AND USE DETAIL

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow BCSI Building Component Safety Information, by TPI and ICCA for safety precautions. Refer to and follow BCSI Building Component Safety Information, by TPI and ICCA for safety precautions. Refer to and follow BCSI Building Component Safety Information, by TPI and ICCA for safety precautions.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR

ITV Building Components Group Inc. (ITVBCG) 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. ITVBCG connector plates are made of 2018/16GA (A313) ASTM A572 Grade 50/60 (C/W/M/S) galv. steel. Apply plates to each face of truss, positioned as shown above. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. ITV-BCG www.itvbcg.com, TPI www.tpinet.com, VTC www.vtcindustry.com, ICC www.iccsafe.org



Earth City, MO 63045

* IN ADDITION, PROVIDE CONNECTION WITH ONE OF THE FOLLOWING METHODS:

TRUSS
USE 3x8 TRUSS PLATES FOR 2x4 CHORD MEMBER, AND 3x10 TRUSS PLATES FOR 2x6 AND LARGER CHORD MEMBERS. ATTACH TO EACH FACE @ 8" O.C. WITH (4) 0.120"x1.375" NAILS INTO CAP BOTTOM CHORD AND (4) IN BASE TRUSS TOP CHORD. TRUSS PLATES MAY BE STAGGERED 4" O.C. FRONT TO BACK FACES.

APA RATED GUSSET

8"x8"x7/16" (MIN) APA RATED SHEATHING GUSSETS (EACH FACE), ATTACH @ 8" O.C. WITH (8) 6d COMMON (0.113"x2") NAILS PER GUSSET. (4) IN CAP BOTTOM CHORD AND (4) IN BASE TRUSS TOP CHORD. GUSSETS MAY BE STAGGERED 4" O.C. FRONT TO BACK FACES.

2x4 VERTICAL SCABS

2x4 SPF #2, FULL CHORD DEPTH SCABS (EACH FACE), ATTACH @ 8" O.C. WITH (6) 10d BOX NAILS (0.128"x3") PER SCAB. (3) IN CAP BOTTOM CHORD AND (3) IN BASE TRUSS TOP CHORD. SCABS MAY BE STAGGERED 4" O.C. FRONT TO BACK FACE

28PB WAVE PIGGYBACK PLATE

ONE 28PB WAVE PIGGYBACK PLATE TO EACH FACE @ 8" O.C. ATTACH TEETH TO PIGGYBACK AT TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120"x1.375" NAILS PER FACE PER PLY. PIGGYBACK PLATES MAY BE STAGGERED 4" O.C. FRONT TO BACK FACES.

REF PIGGYBACK

DATE 03/15/10

DRWG PB1200310

SPACING 24.0"