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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:1UPT2327Z0125102430



Truss Fabricator: **Duley Truss**
Job Identification: **K0688-84 LUMBER PAYNE GARAGE (K0688-84 LUMBER PAYNE GARAGE)**
Truss Count: **6**
Model Code: **Florida Building Code 2010**
Truss Criteria: **FBC2010Res/TPI-2007(STD)**
Engineering Software: **Alpine Software, Version 10.03.**
Structural Engineer of Record: **The identity of the structural EOR did not exist as of the seal date per section 61G15-31.003(5a) of the FAC**
Address:
Minimum Design Loads: **Roof - 37.0 PSF @ 1.25 Duration**
Floor - N/A
Wind - 140 MPH ASCE 7-10 -Closed

09/25/2012

Notes:

- Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1**
- The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.**
- As shown on attached drawings; the drawing number is preceded by: HCUSR2327**

Walter P. Finn
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: 14015EC1-GBLLETIN-BRCLBSUB-PB16010-

#	Ref	Description	Drawing#	Date
1	34905--T1		12269065	09/25/12
2	34906--T2		12269066	09/25/12
3	34907--T3		12269067	09/25/12
4	34908--T4		12269068	09/25/12
5	34909--T5		12269069	09/25/12
6	34910--CAPS		12269070	09/25/12

ALPINE



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.

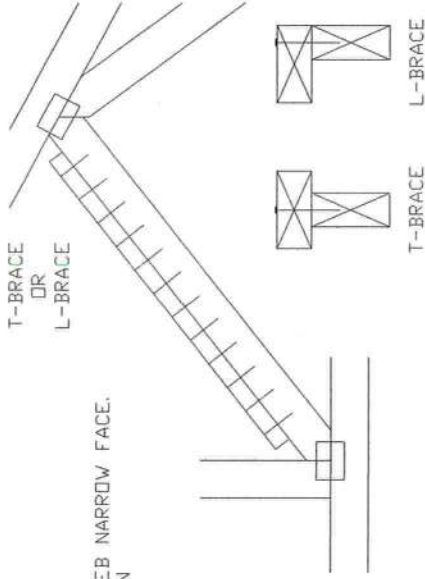
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING	SCAB BRACE
2X3 DR 2X4	1 ROW	2X4	2X4	1-2X4
2X3 DR 2X4	2 ROWS	2X6	2X6	2-2X4
2X6	1 ROW	2X4	2X4	1-2X6
2X6	2 ROWS	2X6	2X6	2-2X4(*)
2X8	1 ROW	2X6	2X6	1-2X8
2X8	2 ROWS	2X6	2X6	2-2X6(*)

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.

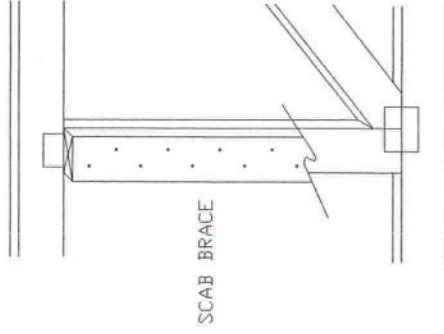
T-BRACING
OR
L-BRACING:

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



Building Components Group Inc.
Earth City, MO 63045

REF: CLB SUBST.
DATE: 1/1/09
DRWG: BRCLBSUB0109

TC LL	PSF
TC DL	PSF
BC DL	PSF
BC LL	PSF
TOT. L.D.	PSF
DUR. FAC.	
SPACING	

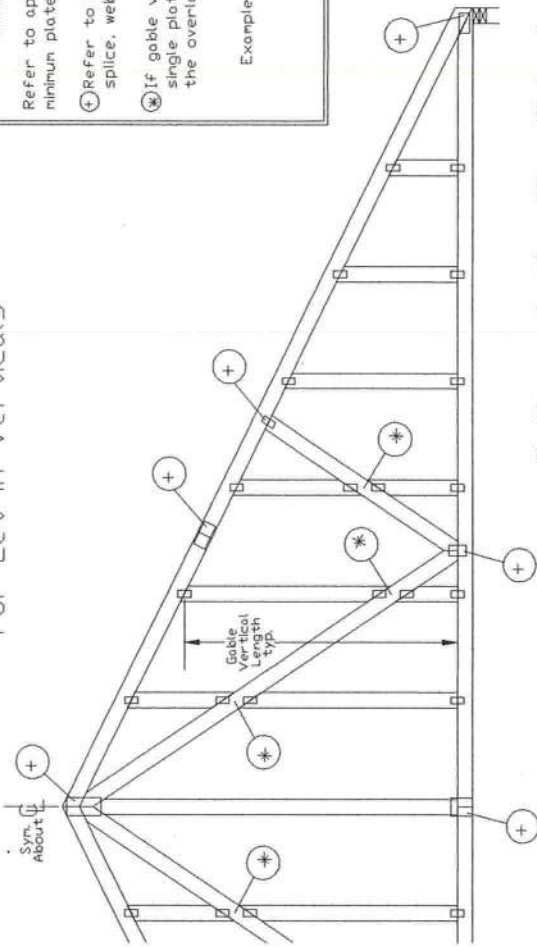
09/25/2012 12

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!** Refer to and follow BCSI Building Components Safety Information, by TPI and VITCA for safety practices when performing these functions. Installers shall provide temporary bracing per BCSI. Unless otherwise specified, top chord shall have properly attached structural panels and bottom chord shall have 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.** ITW Building Components Group Inc. (ITWBCG) 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. ITWBCG connector plates are made of 2018/156K V3H/S/KO A513 steel. 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.

ITW-BCG: www.itwbcg.com, TPI: www.tpi.net, VITCA: www.vitcaindustry.com, ICC: www.iccsafe.org

Gable Detail For Let-in Verticals

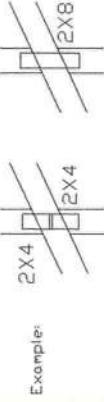


Gable Truss Plate Sizes

Refer to appropriate ITV gable detail for minimum plate sizes for vertical studs.

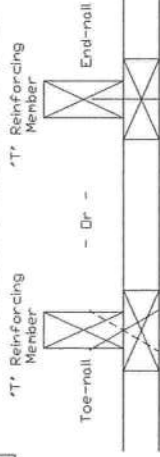
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

⊛ If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.



Example:

'T' Reinforcement Attachment Detail



To convert from 'L' to 'T' reinforcing members, multiply 'T' increase by length (based on appropriate ITV gable detail).

Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord.

'T' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

'T' Reinf. Mbr. Size	'T' Increase
2x4	30 %
2x6	20 %

Example:

ASCE 7-10 Wind Speed = 120 mph

Mean Roof Height = 30 Ft, Kzt = 1.00

Gable Vertical = 24' o.c. SP #3

'T' Reinforcing Member Size = 2x4

'T' Brace Increase (From Above) = 30% = 1.30

(1) 2x4 'L' Brace Length = 8' 7"

Maximum 'T' Reinforced Gable Vertical Length = 1.30 x 8' 7" = 11' 2"

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 the top and bottom chords.

Toenailed Nails:

10d Common (0.148" x 3" min) Toenails at 4' o.c. plus

(4) toenails in the top and bottom chords.

This detail to be used with the appropriate ITV 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

ASCE 7-10 Gable Detail Drawings

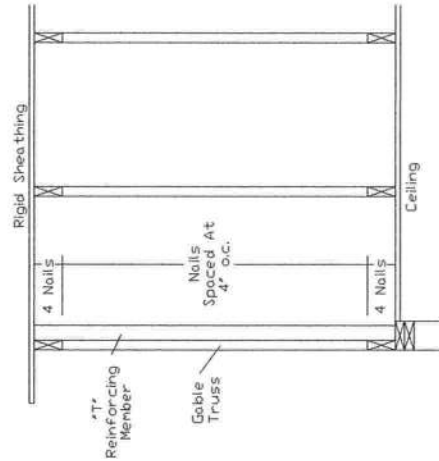
A11515ENC100212, A12015ENC100212, A14015ENC100212,

A18015ENC100212, A20015ENC100212, A22015ENC100212,

A11530ENC100212, A12030ENC100212, A14030ENC100212,

A18030ENC100212, A20030ENC100212, A22030ENC100212

See appropriate ITV gable detail for maximum unreinforced gable vertical length



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

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ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing, or for any damage to the truss or other components from any loading, shipping, installation, or bracing of trusses or other components. The manufacturer of the trusses and other components of professional engineering responsibility solely for the building shown. The suitability and use of this drawing 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 and these web sites: ITVBCCI www.itvbcci.com, TPI www.tpinet.org, VTCA www.vtcaindustry.org, ICC www.iccsafe.org



REF	LET-IN VERT
DATE	2/16/12
DRWG	GBLLETIN0212

MAX. TOT. L.D.	60 PSF
DUR. FAC.	ANY
MAX. SPACING	24'0"



Earth City, MO 63045

Gable Stud Reinforcement Detail

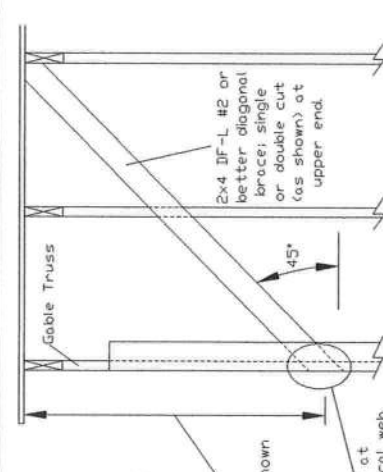
ASCE 7-10: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Dr: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

2x4 Gable Vertical Spacing	Gable Vertical Species	Brace Grade	No Braces		(1) 2x4 'L' Brace *		(2) 2x4 'L' Brace **		(1) 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
Max Gable Vertical Length	SPF	#1 / #2	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	14' 0"	14' 0"	14' 0"
		#3	6' 7"	7' 1"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 10"	14' 0"	14' 0"
		Stud	7' 2"	7' 5"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 10"	14' 0"	14' 0"
		Standard	6' 11"	7' 5"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 10"	14' 0"	14' 0"
	SP	#1	7' 4"	7' 7"	8' 8"	8' 11"	10' 3"	10' 8"	13' 7"	14' 0"	14' 0"	14' 0"
		#2	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	14' 0"	14' 0"	14' 0"
		#3	6' 4"	6' 8"	7' 11"	8' 5"	10' 1"	10' 6"	12' 5"	13' 3"	14' 0"	14' 0"
		Stud	5' 11"	6' 4"	7' 11"	8' 5"	10' 1"	10' 6"	12' 5"	13' 3"	14' 0"	14' 0"
	DFL	Standard	3' 11"	5' 2"	5' 8"	6' 10"	9' 3"	9' 11"	10' 9"	11' 6"	14' 0"	14' 0"
		#1 / #2	8' 4"	8' 8"	9' 10"	10' 3"	11' 8"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	8' 1"	8' 8"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	8' 2"	8' 6"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
SPF	#1	5' 0"	5' 8"	6' 8"	7' 11"	9' 8"	10' 1"	11' 9"	12' 3"	14' 0"	14' 0"	
	#2	4' 11"	5' 8"	6' 8"	7' 11"	9' 10"	10' 3"	11' 8"	12' 2"	14' 0"	14' 0"	
	#3	4' 8"	5' 8"	6' 8"	7' 9"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	
	Stud	4' 8"	5' 8"	6' 8"	7' 9"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	
SPF	#1	5' 0"	5' 8"	6' 8"	7' 11"	9' 8"	10' 1"	11' 9"	12' 3"	14' 0"	14' 0"	
	#2	4' 11"	5' 8"	6' 8"	7' 11"	9' 10"	10' 3"	11' 8"	12' 2"	14' 0"	14' 0"	
	#3	4' 8"	5' 8"	6' 8"	7' 9"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	
	Stud	4' 8"	5' 8"	6' 8"	7' 9"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	
HF	Standard	5' 1"	5' 4"	6' 4"	6' 8"	7' 11"	8' 5"	9' 8"	10' 1"	14' 0"	14' 0"	
	#1 / #2	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
	#3	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
	Stud	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
SP	Standard	5' 1"	5' 4"	6' 4"	6' 8"	7' 11"	8' 5"	9' 8"	10' 1"	14' 0"	14' 0"	
	#1 / #2	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
	#3	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
	Stud	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
DFL	Standard	5' 1"	5' 4"	6' 4"	6' 8"	7' 11"	8' 5"	9' 8"	10' 1"	14' 0"	14' 0"	
	#1 / #2	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
	#3	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
	Stud	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	



Bracing Group Species and Grades:

Group A:		Group B:	
Spruce-Pine-Fir	Hen-Fir	Southern Pine***	
#1 / #2	#2	#3	
#3	Stud	Standard	
Douglas Fir-Larch			
#3	Stud	Standard	

Group A:

Spruce-Pine-Fir	Hen-Fir
#1 / #2	#2
#3	Stud
Standard	

Group B:

Southern Pine***
#3
Stud
Standard

Group A:

Southern Pine***
#1
#2

Group B:

Southern Pine***
#1
#2

1x4 Braces shall be SRB (Stress-Rated Board).
 ***For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.
Gable Truss Detail Notes:
 Wind Load deflection criterion is L/240.
 Provide uplift connections for 55 psf over continuous bearing (3 psf TC Dead Load).
 Gable end supports load from 4' o.c. outlookers with 2' o.c. overhang, or 12" plywood overhang.
 So. Pine lumber design values based on the ALSC January, 2012 rule.
 Attach 'L' braces with 10d (0.128"x3.0" min) nails.
 * For (1) 'L' brace: space nails at 2' o.c. in 18" end zones and 4' o.c. between zones.
 ** For (2) 'L' braces: space nails at 3' o.c. in 18" end zones and 6' o.c. between zones.
 'L' bracing must be a minimum of 80% of web member length.

Gable Vertical Plate Sizes

Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0", but less than 11' 6"	2.5X4
Greater than 11' 6"	3X4

+ Refer to common truss design for peak, splice, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail.

REF	ASCE 7-10-GABI4015
DATE	2/14/12
DRWG	A14015ENC100212

MAX. TOT. LD.	60 PSF
MAX. SPACING	24.0'



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING**
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 ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing. Failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing, shall be the responsibility of the contractor. The design shown in this drawing is the responsibility of professional engineering responsibility solely for the design shown in this drawing. For more information see this job's general notes page and these web sites:
 ITVBCS: www.itvbcg.com; TPI: www.tpinet.org; VTC: www.vtcinc.com; ICC: www.iccsafe.org

ITV
 Building Components Group Inc.
 Earth, MO 63045
 09/25/2012

(K0688-84 LUMBER PAYNE GARAGE - T5)

Top chord 2x8 SP #2_12A : T3 2x4 SP #2_Dense_12A :
 Bot chord 2x4 SP #1_12A : B2 2x4 SP #1_Dense_12A :
 Webs 2x4 SP #3_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

End verticals not exposed to wind pressure.

See DWGS A14015ENC100212 & GBLLET100212 for more requirements.

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

6X8(R) \equiv

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

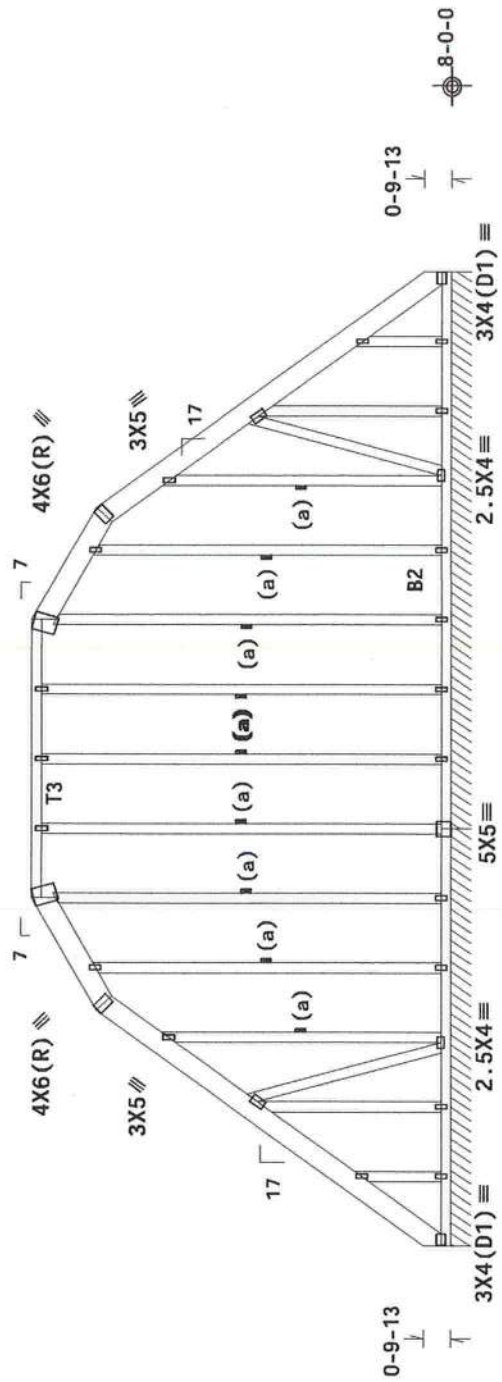
Gable end supports 8" max rake overhang.

(a) Continuous lateral bracing equally spaced on member.

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

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

6X8(R) \equiv



6-9-5 3-2-11 8-0-1 3-2-11 6-9-5
 28-0-0 Over 2 Supports

R=160 PLF U=6 PLF W=12-0-0
 RL=25/-25 PLF R=139 PLF U=6 PLF W=16-0-0

Note: All Plates Are 1.5X4 Except As Shown.
 Design Crit: FBC2010Res/TPI-2007(STD)
 FT/RT=20%(0%)/10(0)

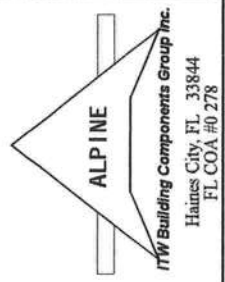
PLT TYP. Wave

Scale = .1875" / Ft.

TC LL	20.0 PSF	REF	R2327- 34909
TC DL	7.0 PSF	DATE	09/25/12
BC DL	10.0 PSF	DRW	HCUSR2327 12269069
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	37.0 PSF	SEQN-	394123
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1UPT2327Z01



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the erection instructions for the BCS Building Components Group Inc. (ITWBCG) products prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCS sections B3, B7 or B10, as applicable.
 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from 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 Job drawing or cover page listing this drawing. Indicates acceptance of professional engineering details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal or stamp is required for any structure. The seal or stamp shall be placed on the drawing. This Job's responsibility is solely that of the professional engineer. For more information, contact the general notes page: ITW-BCS: www.itwbcg.com, TPI: www.tpi.net.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org



(K0688-84 LUMBER PAYNE GARAGE - T3)

Top chord 2x8 SP_#2_12A : T2, T3, T5 2x4 SP_#2_Dense_12A:
 Bot chord 2x4 SP_#1_12A : B2 2x4 SP_#1_Dense_12A:
 Webs 2x4 SP_#3_12A
 : W4, W5, W20, W21, W24 2x4 SP_#2_Dense_12A:
 : Lt Wedge 2x4 SP_#3_12A : Rt Wedge 2x4 SP_#3_12A:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Calculated horizontal deflection is 0.13" due to live load and 0.17" due to dead load.

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

BC attic room floor loading: LL = 40.00 psf; DL = 5.00 psf; from 5-0-0 to 23-0-0.

(1) - plates so marked were sized using a Fabrication Tolerance of 0% and a Rotational Tolerance of 0 degrees.

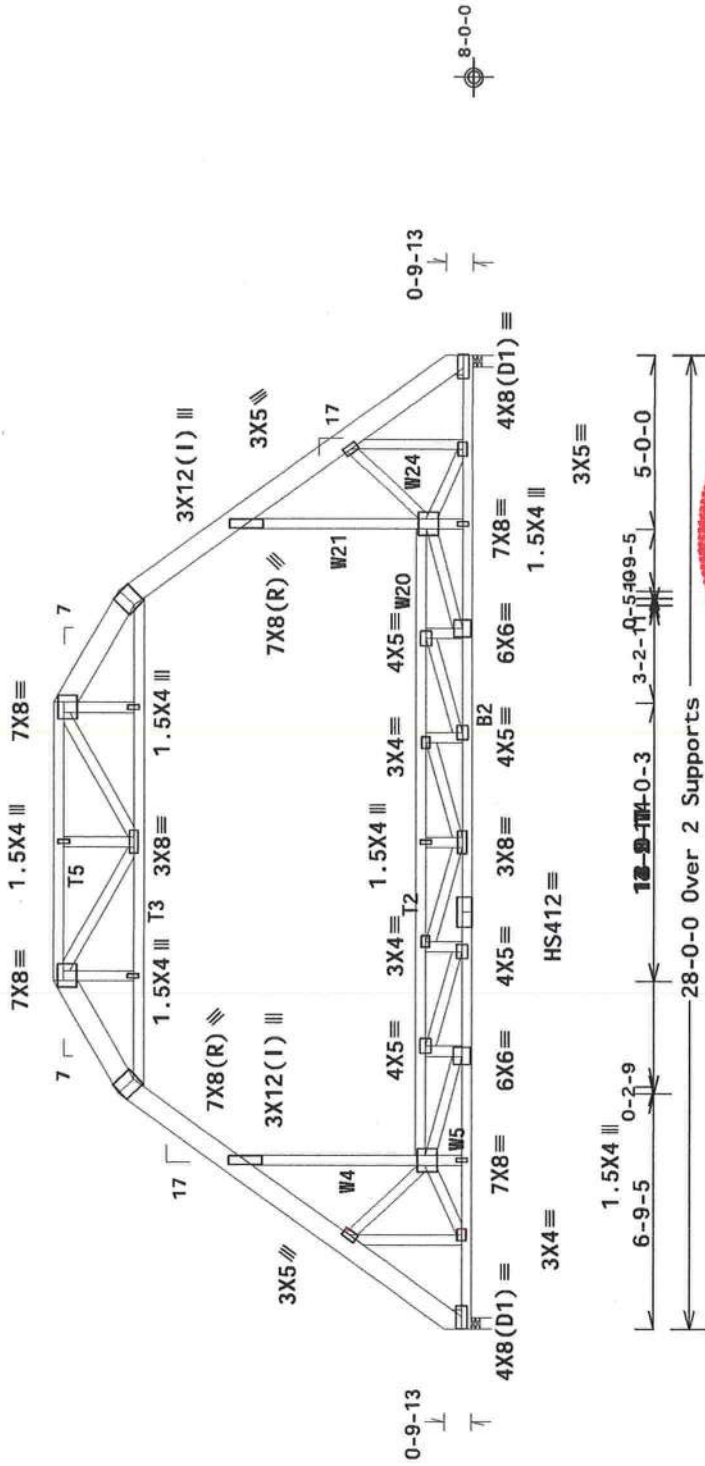
140 mph wind, 15.00 ft mean hgt., ASCE 7-10, CLOSED bldg. Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, 6Cpl(+/-)=0.18

Wind loads and reactions based on MMFRS 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.

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

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



R=2198 U=79 W=4"
 RL=296/-296

R=2198 U=79 W=4"

PLT TYP. 20 Gauge HS, Wave

Design Crit: FBC2010Res/TPI-2007 (STD FT/RT=20%(0%)/10(0) 10:03:11.0209:21 No. 23839

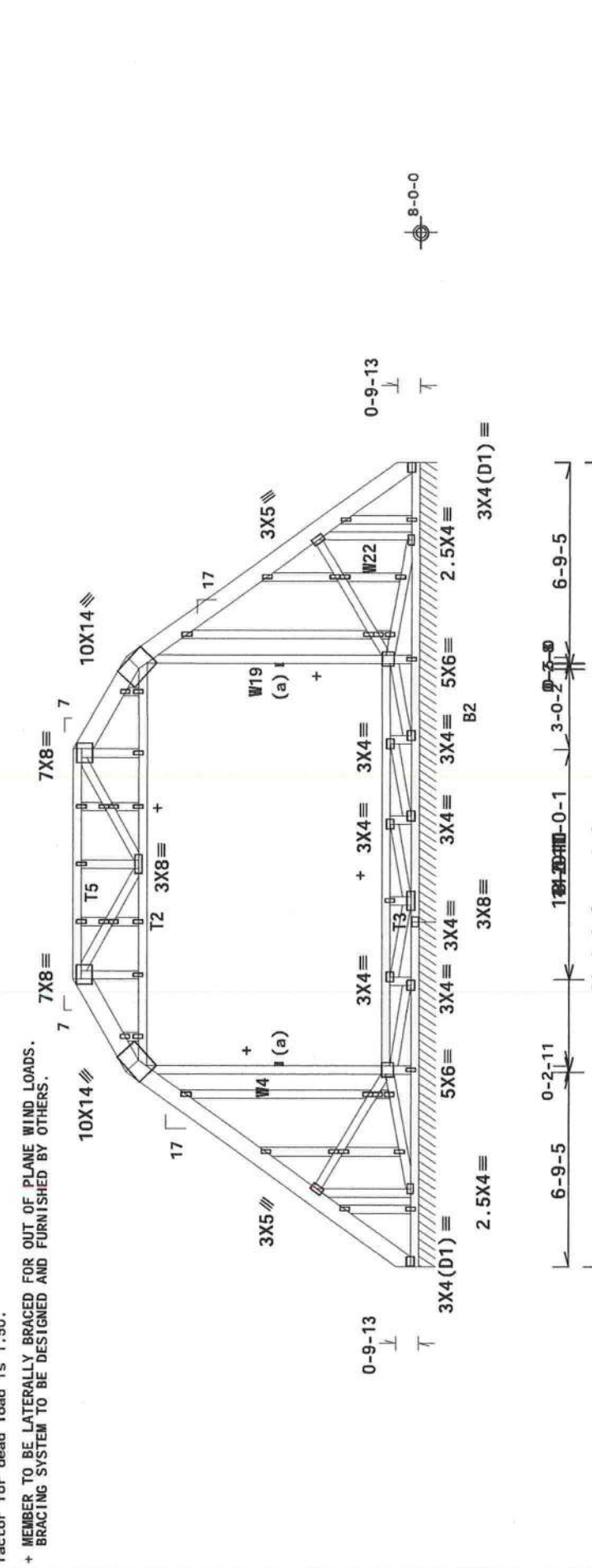
<p>ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278</p>	<p>09/25/2012</p>	<p>Scale = .1875" / Ft.</p>
<p>QC LL 20.0 PSF</p>	<p>REF R2327- 34907</p>	<p>DATE 09/25/12</p>
<p>QC DL 7.0 PSF</p>	<p>DRW HCUSR2327 12269067</p>	<p>HC-ENG SSB/WPF</p>
<p>BC DL 10.0 PSF</p>	<p>SEQN- 394054</p>	<p>FROM JRG</p>
<p>BC LL 0.0 PSF</p>	<p>TOT. LD. 37.0 PSF</p>	<p>JREF- 1UPT2327Z01</p>
<p>DUR. FAC. 1.25</p>	<p>SPACING 24.0"</p>	

****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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bolt chord 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 bracing of trusses. Apply plates to each rafter of truss and position as shown above and on the Job details, unless noted otherwise. Refer to drawings 1004-Z for standard plate positions. A seal on 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.tpi-inst.org; WTA: www.wtaindustry.com; ICC: www.iccsafe.org



(K0688-84 LUMBER PAYNE GARAGE - T1)
 Top chord 2x8 SP #2_12A : T2, T3, T5 2x4 SP #2_Dense_12A;
 Bot chord 2x4 SP #1_12A : B2 2x4 SP #1_Dense_12A;
 Webs 2x4 SP #3_12A
 : W4, W19, W22 2x4 SP #2_Dense_12A;
 Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

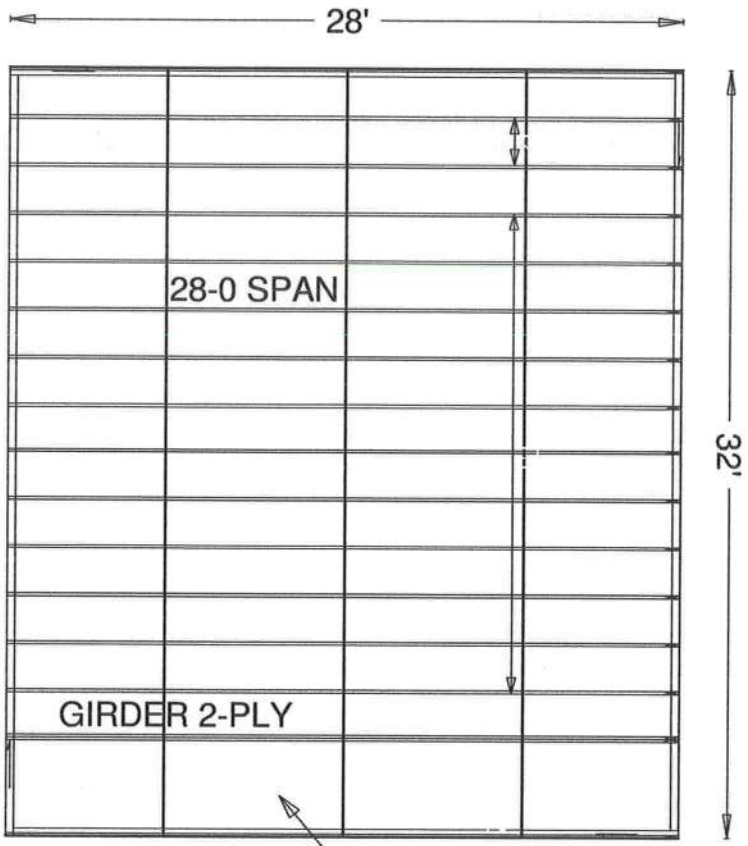
Gable end supports 8" max rake overhang.
 (a) Continuous lateral bracing equally spaced on member.
 Bottom chord checked for 10.00 psf non-concurrent live load.
 Collar-tie braced with continuous lateral bracing at 24" OC, or rigid ceiling.
 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.
 + MEMBER TO BE LATERALLY BRACED FOR OUT OF PLANE WIND LOADS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.
 End verticals not exposed to wind pressure.
 See DWGS A14015ENC100212 & GBLLET1NO212 for more requirements.
 In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" OC, all BC @ 24" OC.
 BC attic room floor loading: LL = 40.00 psf; DL = 5.00 psf; from 5-0-0 to 23-0-0.



R=174 PLF U=8 PLF W=12-0-0
 RL=25/-25 PLF
 R=137 PLF U=4 PLF W=16-0-0
 Design Crit: FBC2010Res/TPI-2007(STD FT/RT=20%(0%)/10(0))
 Note: All Plates Are 1.5X4 Except As Shown.

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. Follow the latest edition of BCSI (Building Components Systems Institute) Manual for all practices prior to performing these functions. Installers shall provide temporary bracing in areas noted otherwise, top chord shall have properly attached structural sheathing and bolts 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 the design of this truss system. The user of this truss system shall be responsible for the design of the bracing system. ITWBCG shall not be responsible for 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 rafter of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 1804-2 for standard plate positions. A seal on the drawing shall indicate the date of the drawing. Indicates acceptance of professional engineering practice by 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.tpi/nvt.org; WCA: www.itwbcg.com; ITW: www.itw.com; ICC: www.iccsafe.org

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	10.03	11.02	09.24	10.03	11.02	09.24	10.03	11.02	09.24
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	10.03	11.02	09.24	10.03	11.02	09.24	10.03	11.02	09.24
	10.03	11.02	09.24	10.03	11.02	09.24	10.03	11.02	09.24
	10.03	11.02	09.24	10.03	11.02	09.24	10.03	11.02	09.24



OVERHANGS
BY BUILDER

LATTER FRAMING
BETWEEN T3 AND T1
TOP AND BOTTOM
BY BUILDER

DULEY TRUSS, INC
84 LUMBER
PAYNE GARAGE
GAMBREL ATTICS
9-05-2012 JD
JOB# K0688
WAVE TRUSS PLATE
ALPINE ENGINEERED PRODUCTS
APPROVAL # FL1999.3

JOB NO: K0688	DESIGNED BY: JOHN DULEY	JOB DESCRIPTION: ATKINSON CONST. PAYNE GARAGE	JOB LOCATION:
PAGE NO: 1 OF 1			