

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:1U448228Z0106093318

Truss Fabricator: Anderson Truss Company
Job Identification: 10-160--Fill in later STEVE NORRIS -- , **
Truss Count: 5
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Com/TPI-2002(STD)
Engineering Software: Alpine Software, Version 9.05.
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: HCUSR8228

Details: BRCLBSUB-A1101505-GBLLETIN-

#	Ref	Description	Drawing#	Date
1	09530--A		10218001	08/06/10
2	09531--AGE		10218002	08/06/10
3	09532--AV		10218003	08/06/10
4	09533--AV1		10218004	08/06/10
5	09534--AVGE		10218005	08/06/10



Seal Date: 08/06/2010

-Truss Design Engineer-
William H. Krick
Florida License Number: 70861
1950 Marley Drive
Haines City, FL 33844



20'8" 20' 10'

10'8"

36'

STEVE NORRIS

AVGE

AV/1

AV

A

AGE

EXISTING BUILDING

EXISTING BUILDING

32'

14'8"

10' 30'8" 10'

JOB DESCRIPTION:: Fill in later
/: STEVE NORRIS

JOB NO:
10-160

PAGE NO:
1 OF 1

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

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

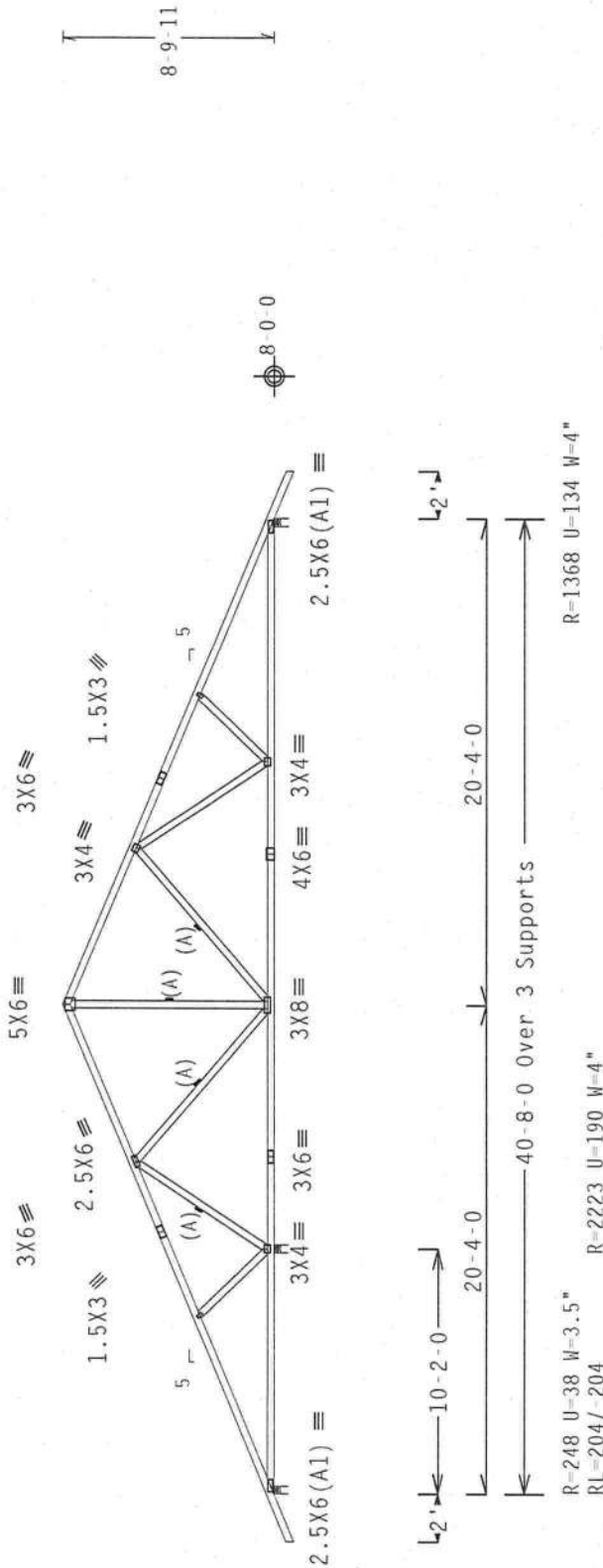
Bottom chord checked for 10.00 psf non-concurrent live load.

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

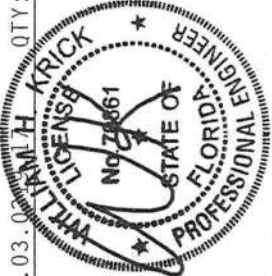
Wind reactions based on MWFRS pressures.

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.



Design Crit: FBC2007Com/TPI-2002(STD)

PLT TYP. Wave	9.05.03.02	QTY: 7	FL / - / 4 / - / R / -	Scale = .125" / Ft.
	TC LL	20.0 PSF	REF	R8228- 9530
	TC DL	10.0 PSF	DATE	08/06/10
	BC DL	10.0 PSF	DRW	HCUSR8228 10218001
	BC LL	0.0 PSF	HC-ENG	SSB/WHK
	TOT.LD.	40.0 PSF	SEQN	132506
DUR.FAC.		1.25		
CDACTING		24 0"		

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND MICA (GOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, BODISON, MI 48319, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED SUBORDINAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. FTM BCG, INC. SHALL NOT BE RESPONSIBLE FOR THE TRUSS IN CONFORMANCE WITH THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/P) AND TPI. FTM BCG CONNECTOR PLATES ARE MADE OF 2018/166A (A/1/55/2) ASTM A653 GRADE 40/60 (A, K/H/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (U) SHALL BE PER AMBER A3 OF TPI-2002 SEC.2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMST/TPI 1 SEC. 2.

110 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. $I_w=1.00$ GCPI (+/-)=0.18

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non concurrent live load.

Shim all supports to solid bearing.



R=1787 U=112 W=4"

Design Crit: FBC2007Com/TPI-2002(STD)
FT/RT=10%(0%)/0(0)

QTY:5

Scale = .25"/Ft.

TC LL	20.0	PSF	REF R8228- 9533
TC DL	10.0	PSF	DATE 08/06/10
BC DL	10.0	PSF	DRW HCUR8228 10218004
BC LL	0.0	PSF	HC-ENG SSB/WHK
TOT.LD.	40.0	PSF	SEQN- 132519
DUR.FAC.	1.25		

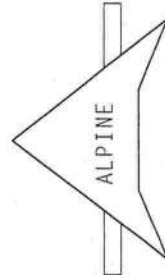


**** IMPORTANT **** THROUGHOUT THIS DESIGN TO BE THE INSTALLATION CONTRACTOR FOR ITR BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, MANAGING, SHIPPING, INSTALLING A BEARING OF TRUSSES.

THIS DESIGN COMBINES WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., FR. AFAPA) AND IPT-11M BCG CONNECTION PLATES ARE MADE OF 70/10/16GA. STEEL (ASTH A982 GRADE 40). ALL GALVALUMATED STEEL SHEET PILING SHALL BE 12 GA. GALVALUMATED STEEL (ASTH A982 GRADE 40).

IF INSPECTION OF PLATES FOLLOWED BY (C) SHALL BE PER ABX AS OF 1P11-2002 SEC.3.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING, RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SIGNATURE. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SIGNATURE.



ITW Building Components Group Inc.
Haines City, FL 33844

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.

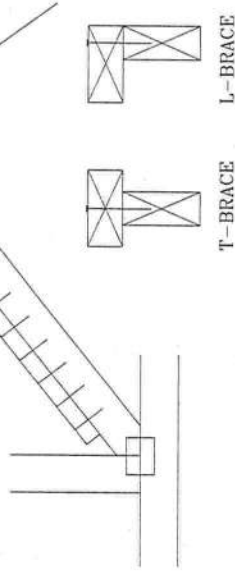
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING

OR

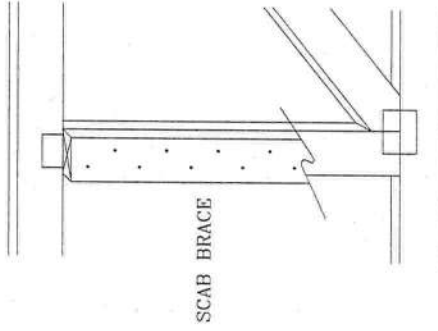
L-BRACING:

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 fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord bracing shall be provided on all trusses. Structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for bracing are not to scale. 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 this design, any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing & bracing. Trusses and connectors are made of 2010/160d (W14/S/K) ASTM A583 grade 37/40/60 (K78/71/S) galvalume. Apply galvalume to all surfaces. Trusses shall be installed on a properly prepared and sealed 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-BCSI: www.itwbcg.com; TPI: www.tpiusa.com; WTCA: www.abcdindustry.com; ICC: www.iccsafe.org



TC LL
TC DL
BC DL
BC LL
TOT. LD.
DUR. FAC.
SPACING

REF DATE 1/1/09

PSF

PSF

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ASCE 7-05: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C, Kzt = 1.00

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

DOUGLAS FIR-LARCH

SOUTHERN PINE
#3 STUD
#3 STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

DOUGLAS FIR-LARCH

SOUTHERN PINE
#1
#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

GABLE END SUPPORTS LOAD FROM 4' 0"

OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

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

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

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

CABLE 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

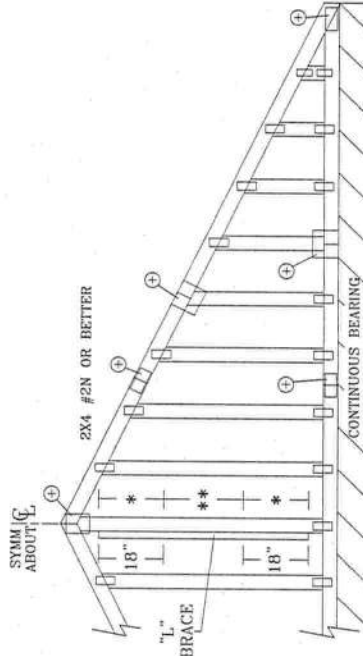
+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

REF	ASCE7-05-GAB1015
DATE	1/1/09
DRWG	A11015050109

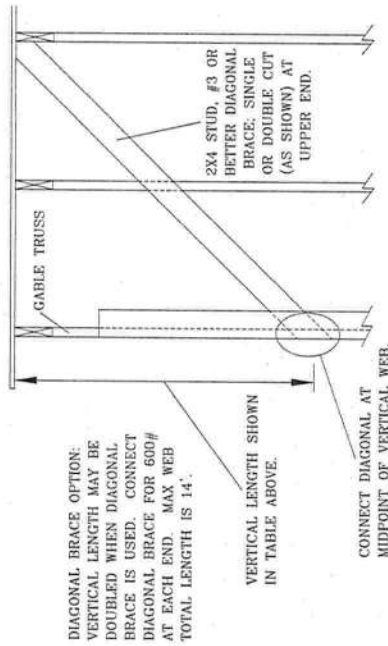
MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

MAX GABLE VERTICAL LENGTH													
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 •		
			GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	
12" O.C.	SPF	#1 / #2	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"	
	HF	STUD	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"	
	STANDARD	3' 9"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"		
	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	
24"	SP	#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	12' 5"	13' 5"	14' 0"	14' 0"	
	DFL	STUD	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"	
	STANDARD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"	
	#1 / #2	3' 10"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	
16" O.C.	SPF	#3	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	
	HF	STUD	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	
	STANDARD	4' 4"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"	
	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	
18"	SP	#2	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	
	DFL	STUD	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	
	STANDARD	4' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	
	#1 / #2	4' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	
12" O.C.	SPF	STUD	8' 5"	8' 5"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	
	HF	STANDARD	4' 9"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	
	STANDARD	4' 9"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	
	#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	
12"	SP	#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	
	DFL	STUD	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	
	STANDARD	4' 11"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.



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Earth City, MO 63045



