

DATE 12/05/2011

Columbia County Building Permit**PERMIT****This Permit Must Be Prominently Posted on Premises During Construction****000029790**

APPLICANT BRYAN ZECHER PHONE 752-8653
 ADDRESS P.O. BOX 815 LAKE CITY FL 32056
 OWNER ROBBY & LOU LESTER PHONE 850 866-1230
 ADDRESS 877 SW MANDIBA DR LAKE CITY FL 32024
 CONTRACTOR BRYAN ZECHER HOMES PHONE 752-8653
 LOCATION OF PROPERTY 441S, TR ONCR 131, TR INTO THE OAKS OF LAKE CITY, TL ON
MANDIBA DR, JOB ON LEFT
 TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 159850.00
 HEATED FLOOR AREA 2257.00 TOTAL AREA 3197.00 HEIGHT STORIES 1
 FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
 LAND USE & ZONING A-3 MAX. HEIGHT
 Minimum Set Back Requirements: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
 NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 18-5S-17-09280-129 SUBDIVISION OAKS OF LAKE CITY
 LOT 29 BLOCK PHASE UNIT TOTAL ACRES 1.00

000001921 CBC054575
 Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
 CULVERT 11-0474 BK TC Y
 Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: MFE: 89.0, MFE REQUIRED BY PLAT, ELEVATION CONFIRMATION LETTER
REQUIRED BEFORE SLAB, NOC ON FILE

Check # or Cash 2993

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic
date/app. by date/app. by date/app. by
 Under slab rough-in plumbing Slab Sheathing/Nailing
date/app. by date/app. by date/app. by
 Framing Insulation
date/app. by date/app. by
 Rough-in plumbing above slab and below wood floor Electrical rough-in
date/app. by date/app. by
 Heat & Air Duct Peri. beam (Lintel) Pool
date/app. by date/app. by date/app. by
 Permanent power C.O. Final Culvert
date/app. by date/app. by date/app. by
 Pump pole Utility Pole M/H tie downs, blocking, electricity and plumbing
date/app. by date/app. by date/app. by
 Reconnection RV Re-roof
date/app. by date/app. by date/app. by

BUILDING PERMIT FEE \$ 800.00 CERTIFICATION FEE \$ 15.99 SURCHARGE FEE \$ 15.99
 MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
 FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ CULVERT FEE \$ 25.00 **TOTAL FEE** 906.98
 INSPECTORS OFFICE *[Signature]* CLERKS OFFICE *[Signature]*

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

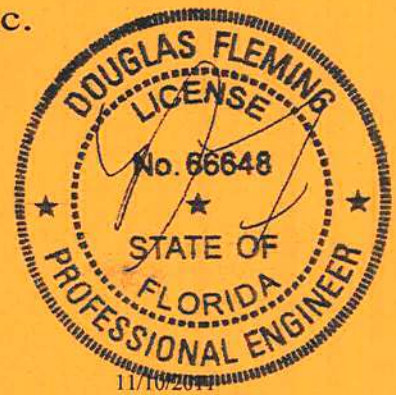
"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECEIVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECEIVED AN APPROVED INSPECTION WITHIN 180 DAYS OF THE PREVIOUS INSPECTION.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

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:1UGX487-Z0110092502



Truss Fabricator: Anderson Truss Company
Job Identification: 11-210--F111 in later BRYAN ZECHER/LESTER -- , **
Truss Count: 54
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 61615-31.003(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

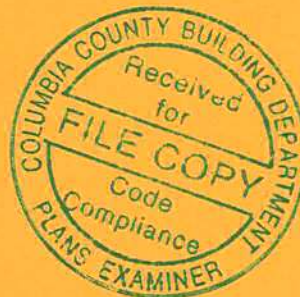
Douglas Fleming
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-CNNAILSP-A1101505-GBLLETIN-

#	Ref	Description	Drawing#	Date
1	01681--H11A		11314004	11/10/11
2	01682--H13A		11314025	11/10/11
3	01683--H9A		11314014	11/10/11
4	01684--H11A1		11314013	11/10/11
5	01685--A		11314009	11/10/11
6	01686--H13A1		11314003	11/10/11
7	01687--H15A1		11314004	11/10/11
8	01688--H17A1		11314005	11/10/11
9	01689--H19A1		11314006	11/10/11
10	01690--H21A1		11314002	11/10/11
11	01691--H7A		11314014	11/10/11
12	01692--AS2		11314030	11/10/11
13	01693--H15AS		11314016	11/10/11
14	01694--AS1		11314007	11/10/11
15	01695--H17AS		11314008	11/10/11
16	01696--H19AS		11314028	11/10/11
17	01697--H21AS		11314026	11/10/11
18	01698--AS		11314008	11/10/11
19	01699--H9AT		11314016	11/10/11
20	01700--H7B		11314010	11/10/11
21	01701--H9B		11314011	11/10/11
22	01702--C		11314022	11/10/11
23	01703--CGE		11314023	11/10/11
24	01704--D		11314006	11/10/11
25	01705--D1GE		11314012	11/10/11
26	01706--DGE		11314001	11/10/11
27	01707--E1		11314024	11/10/11
28	01708--E2		11314017	11/10/11
29	01709--H3E		11314009	11/10/11
30	01710--F5F		11314012	11/10/11
31	01711--F7F		11314013	11/10/11
32	01712--G		11314027	11/10/11
33	01713--GG		11314021	11/10/11
34	01714--H1		11314032	11/10/11
35	01715--H		11314029	11/10/11
36	01716--HG		11314017	11/10/11

#	Ref	Description	Drawing#	Date
37	01717--CJ1		11314015	11/10/11
38	01718--CJ3		11314005	11/10/11
39	01719--CJ5		11314010	11/10/11
40	01720--EJ5		11314015	11/10/11
41	01721--EJ7		11314011	11/10/11
42	01722--HJ7		11314020	11/10/11
43	01723--CJ3T		11314019	11/10/11
44	01724--CJ5T		11314002	11/10/11
45	01725--CJ7T		11314003	11/10/11
46	01726--EJ9T		11314007	11/10/11
47	01727--HJ3		11314033	11/10/11
48	01728--EJ3		11314031	11/10/11
49	01729--EJ9		11314018	11/10/11
50	01730--HJ9T		11314018	11/10/11
51	01731--CJ3S		11314021	11/10/11
52	01732--CJ5S		11314019	11/10/11
53	01733--EJ9G		11314020	11/10/11
54	01734--EJ7G		11314001	11/10/11



ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Page 1 of 1 Document ID:1UGX487-Z0110092502

Truss Fabricator: Anderson Truss Company
Job Identification: 11-210--F111 in later BRYAN ZECHER/LESTER -- , **
Truss Count: 2
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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	01699--H9AT		11314016	11/10/11
2	01730--HJ9T		11314018	11/10/11



-Truss Design Engineer-
Douglas Fleming

1950 Marley Drive
Haines City, FL 33844

ALPINE

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, CL0SED 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 GCpl (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

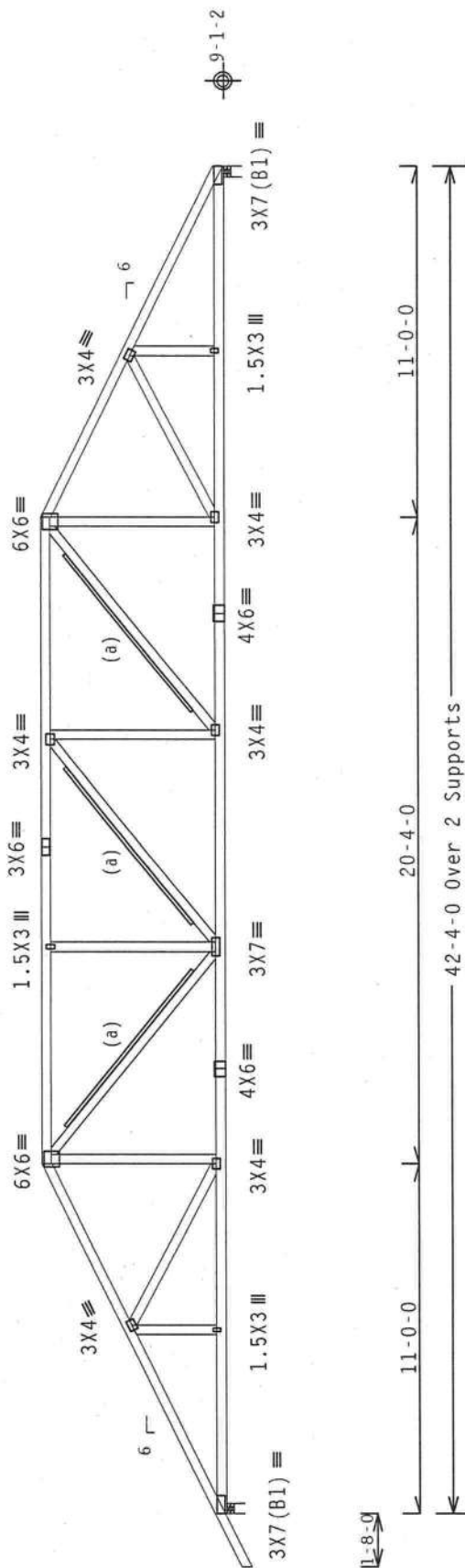
(a) 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

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=1857 II=188 W=4"

RL-134/-144

R=1741 U=166 W=4"

Design Crit: FBC2007Res/TPI-2002(STD)

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

Scale = .1875"/Ft.

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

QTY

10.03.04/0607.16

(b)

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

Design Office.

PLT TYP. Wave

****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 the latest edition of BECI (Building Component Information, by product) for specific properties prior to performing these functions. Install trusses on a level surface and when noted otherwise, use the proper attachment, structural sheathing and bottom chord bracing. Trusses are designed for permanent lateral restraint. Webs attached to girders shall be attached rigidly. Locations show for permanent lateral restraint webs attached rigidly to BECI sections R3, R7 and R10, as applicable.

The TPI Building Components Group, Inc. (TIBCOG) shall be responsible for any deviation from the design shown on drawings issued by ANSI/TPI for handling, shipping, installing or erecting of trusses. Apply plates to each face of truss and position as shown and on the joint between members. Seal all joints with approved sealant. Seal all exposed metal surfaces with approved primer and paint. Seal all exposed metal surfaces with approved primer and paint. Seal all exposed metal surfaces with approved primer and paint. Seal all exposed metal surfaces with approved primer and paint. Seal all exposed metal surfaces with approved primer and paint.

ANSI/TPI-1000-1-97

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

JREF- 1UGX487_Z01

SPACING 24.0"

0/2011

Job's

100

TPI 1 Sec.2. For more information
tpinst.org; NFCA: www.sbcindustry.com.

Building Designer per AN
 ICG: www.ftwbcg.com; TPI:

the responsibility of the
general notes page: I like
CC: www.fccsafe.org

City, FL 32704
COA #0272

Hain

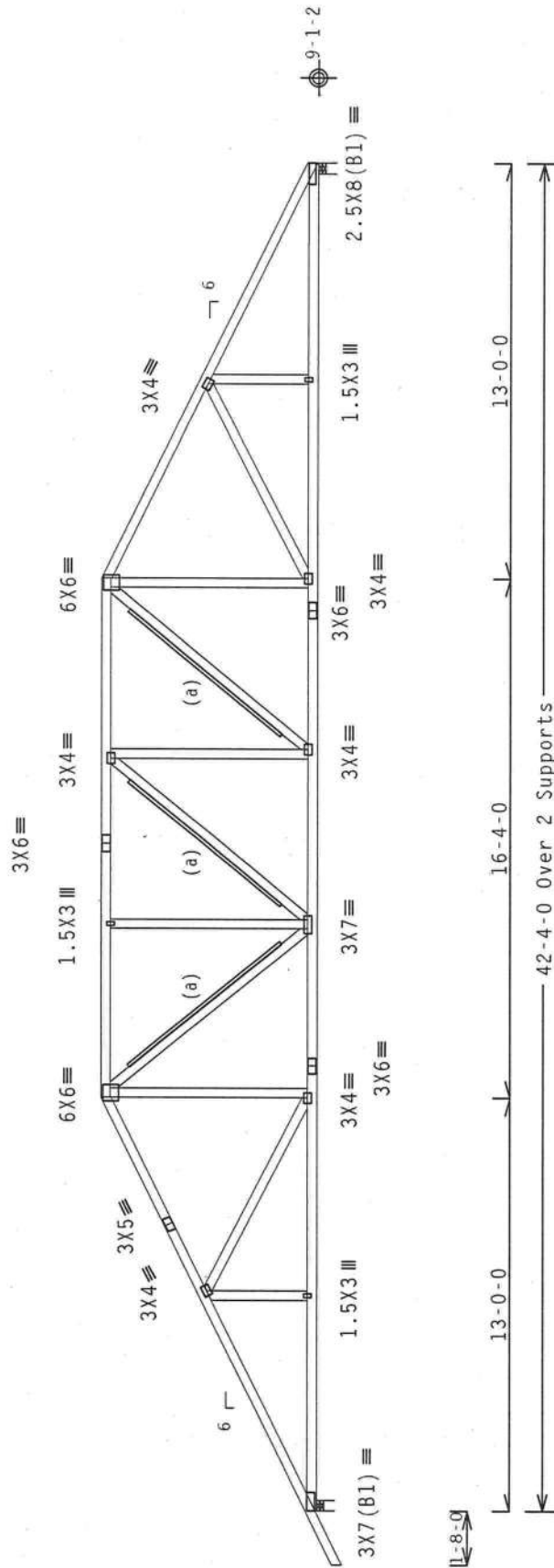
110 mph wind, 15.00 ft mean hgt., ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cp1}(+/-)=-0.18$

Roof overhang supports 2.00 psf soffit load.

(a) 1x4 #3SRB SPF-5 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 15.00 ft. from roof edge.



R=1857 U=0 W=4"
RL=156/-166

R-1741 II=0 W=4"

Design Crit: FBC2007Res/TPI-2002(STD)

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

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

Scale = .1875" / Ft.

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

Process require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI building component safety information, by IPI and WICA for details. If the contractor is not familiar with the use of BCSI products, they should contact the manufacturer. The following notes 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 in Conformance with ANSI/SPRI 1.0 shall not be responsible for any deviation from this standard. Any failure to build the truss in accordance with ANSI/SPRI 1.0 for handling, shipping, installation or for the proper spacing 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 IBOA-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering review and approval of design. The design of the truss and the design of the connection and structure is the sole responsibility of the Building Designer per ANSI/SPRI 1.5. For more information, contact: ITW JOBS & GENERAL NOTES: IBO-800; www.itwbcg.com; TPI: www.tpinet.org; NICA: www.sbcindustry.com; IBC: www.1ccs4safe.org



JREF- 1UGX487_Z01

SPACING 24.0"

10/10/2011

...tpinst.org; NICA; www.sbciindustry.com;

-8C6: www.itubcg.com; TPI

general notes page:
ICC: www.iccsafe.org

Haines City, FL 33844
FL COA #0 278

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

Roof overhang supports 2.00 psf soffit load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all piles of supporting girder.

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

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

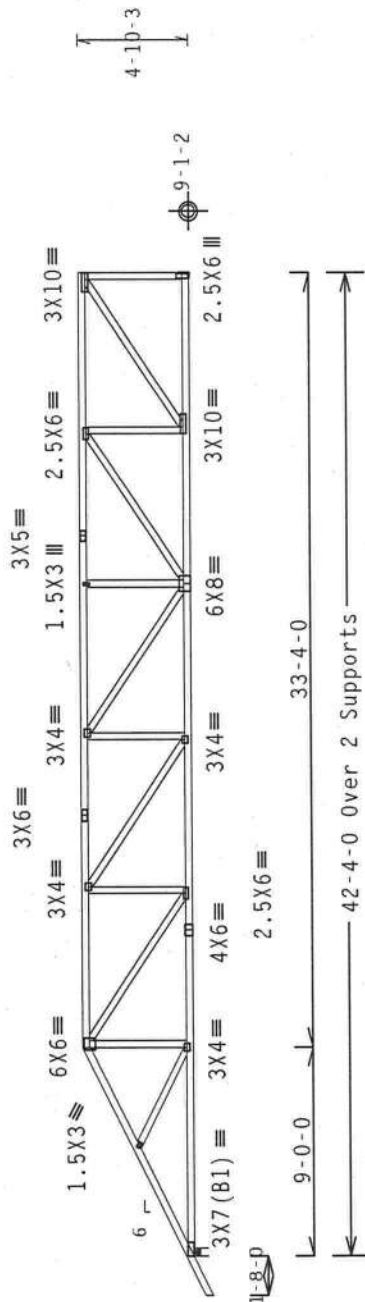
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpi (+/-)=0.18

wind loads and reactions based on 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=1863 I=186 W=4"

RL=123/-53

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

PIT TYPE Wave

FL / - / 4 / - / - / R / - /
Scale = .125" / Ft.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844

PLI ITP. Wave

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

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or to build to meet any other code requirements. Apply plates to each face of truss and position as shown above and on the Jointed details, unless noted otherwise. Refer to drawings 160A-2 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 ANSI/IPI 1 Sec.2. For more information see: This Job's general notes page: 1W-Bldg; www.1Wbldg.com; www.spinst.org; www.sbcindustry.com.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BC51 (Building Component Safety Information, by IPI and NICA) for practices prior to performing these functions. Installers shall provide temporary bracing per BC51, unless noted otherwise. Top chord shall have properly attached permanent lateral restraint webs. Shall have a properly attached permanent lateral restraint webs. Shall have bracing installed per BC51 sections 83, 87 or 810, as applicable.

No. 66648 **★**

STATE OF FLORIDA

PROFESSIONAL ENGINEER

11/10/2011

TC LL	20.0	PSF	REF	R487--	1683
TC DL	10.0	PSF	DATE	11/10/11	
BC DL	10.0	PSF	DRW	HCU8R487	11314014
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	244052	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UGX487_Z01	

(11-210--F111 in later BRYAN ZECHER/LESTER -- . ** - H11A1)

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

Roof overhang supports 2.00 psf soffit load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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.

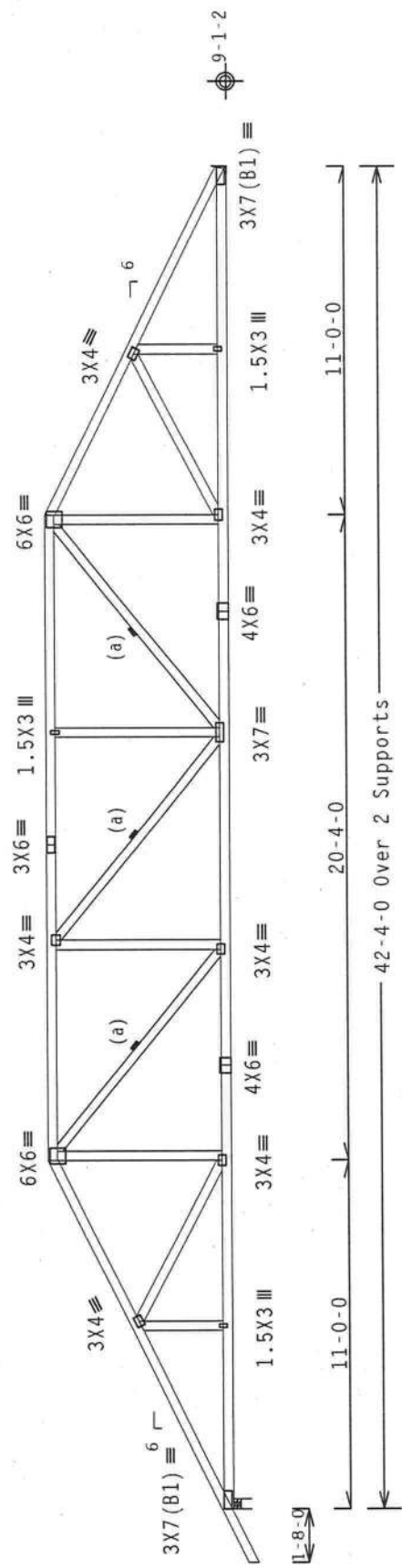
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 13.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpf(+/-)=0.18

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

(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.



R-1740 U-166 H-Simpson HUS26
Supported Member Face: (4) 0.148"x3" nails
Supporting Member Face: (14) 0.148"x3" nails
Supporting Member: (2) 2x6 SP #2

R-1858 U-188 W=4"
RL=134/-144

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

PLT TYP. Wave

Scale = .1875"/Ft.

REF	R487--	1684
DATE	11/10/11	
DRW	HCSR487	11314013
HC-ENG	JB/DF	
SEQN-	244217	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF-	1UGX487_Z01	



****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 IPI and HICA) 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. Connections shall meet lateral restraint conditions. Trusses 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 this design shall be the responsibility of the contractor. Detailing, unless noted otherwise, shall be in accordance with the details shown above and on the joint. 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; TPI: www.tpinet.org; HICA: www.hicaindust7.com; ICC: www.iccsafe.org

ALPINE

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

(11-210--Fill in later BRYAN ZECHER/LESTER -- , ** - A)

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

Roof overhang supports 2.00 psf soffit load.

(a) Continuous lateral bracing equally spaced on member.

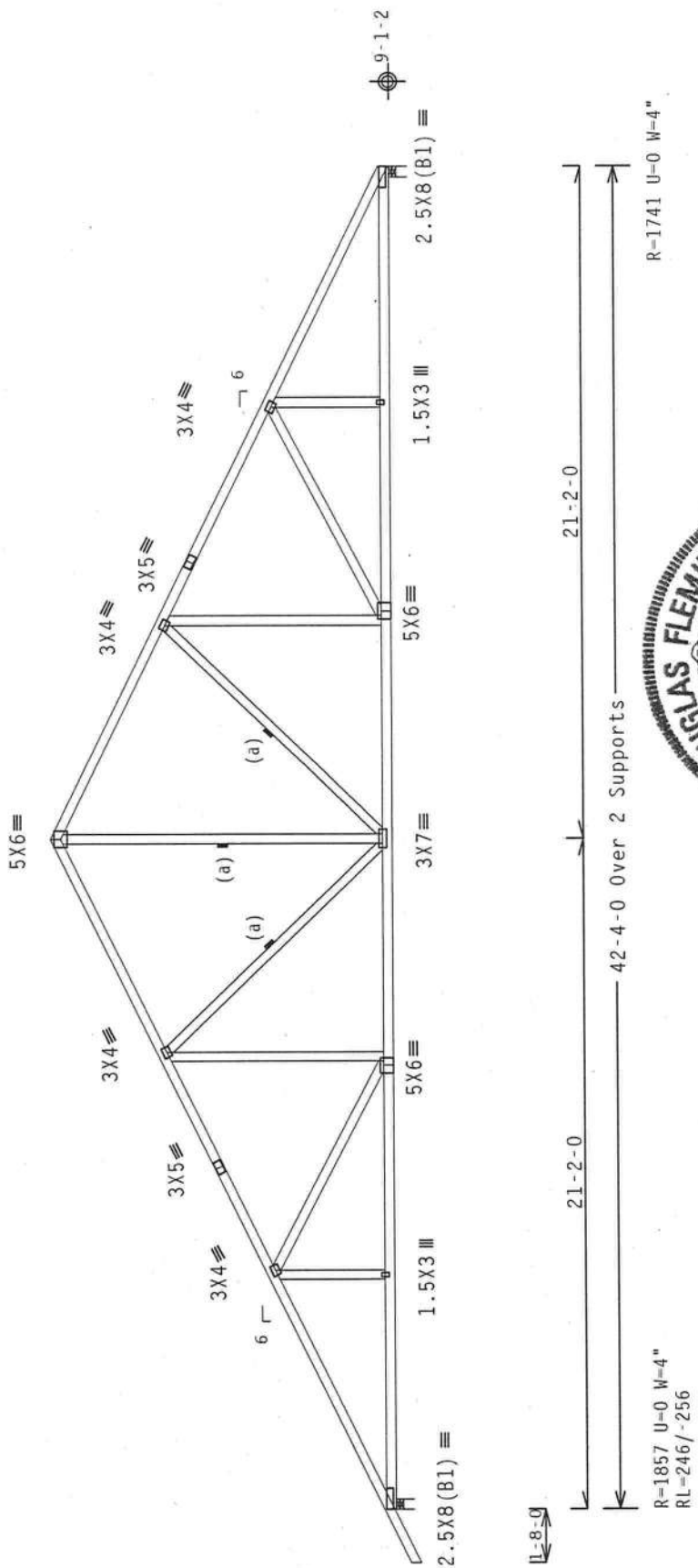
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 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.

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.



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

Scale = .1875"/Ft.

REF	R487 --	1685
DATE	11/10/11	
DRW	HCU8487	11314009
HC-ENG	JB/DF	*
SEQN	245155	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1UGX487_Z01	



****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 IPI and NCA) for details and practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached and braced for permanent lateral restraint. Shall have a properly attached and braced 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 shown. The responsibility 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-BCSI: www.itwbcg.com; TPI: www.tpinet.org; NCA: www.ncaindustry.org; ICC: www.iccsafe.org

PLT TYP. Wave

ALPINE

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

	Top	30t	chord	2x4	SP	#2	Dense
			chord	2x4	SP	#2	Dense
			webs	2x4	SP	#3	Dense

1110 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

Roof overhang supports 2.00 psf soffit load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

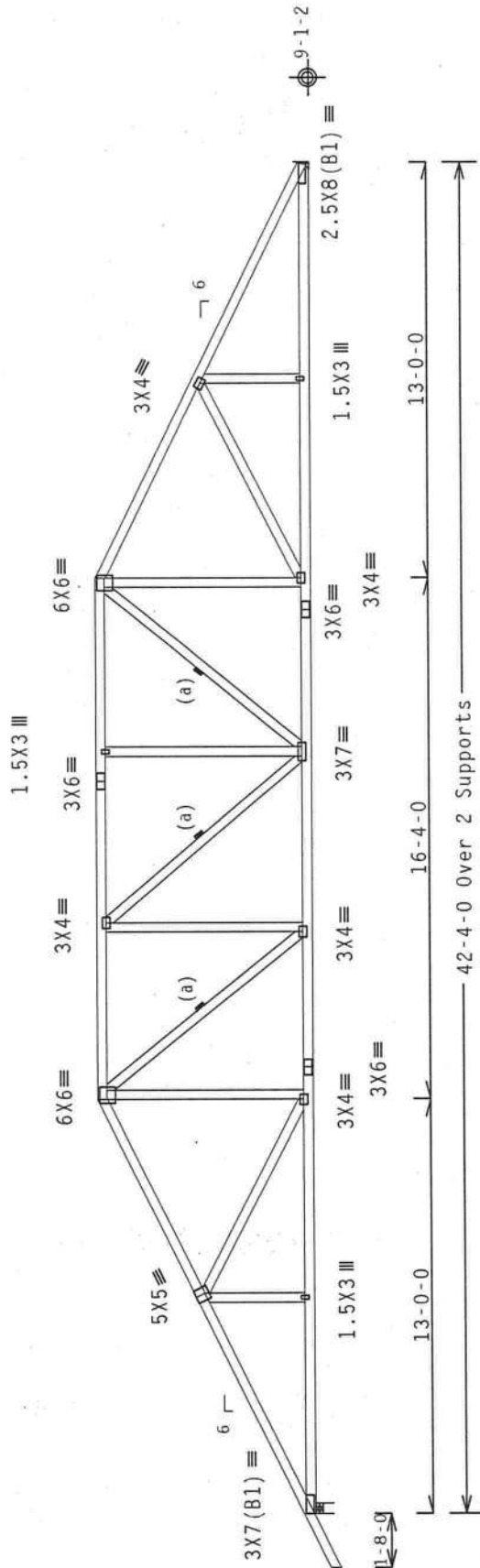
Deflection meets L/240 live and L/180 total load.

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

(a) Continuous lateral bracing equally spaced on member.

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

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



R=1858 U=0 W=4"
RL=156/-166

R-1740 U-0 H-Simpson HUS26
Supported Member Face: (4) 0.148"x3" nails
Supporting Member Face: (14) 0.148"x3" nails
Supporting Member : (2) 2x6 SP M-26

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

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

Scale = .1875"/Ft.

PLT TYP. Wave

*****IMPORTANT*****
Trusses require extreme care in fabricating, handling, shipping, installing and erecting. Please read the latest edition of BCSI (Building Component Safety Information, by the Building Component Institute, Inc., 10000 Old Orchard Road, Skokie, IL 60076) practices prior to performing these functions. Installers shall provide temporary bracing and shoring to support the trusses until they are permanently braced. Trusses must be erected and braced in accordance with the manufacturer's instructions. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent bracing shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

The Building Components Group Inc. (LIN-80C) shall not be responsible for any deviation from the design shown or failure to build the truss in compliance with ANSI/IPI 1.1 or for handling, shipping, installation, erection or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Detail drawings. Details, unless noted otherwise. Refer to drawings IBOA-2 for standard plate positions. A seal around the perimeter of the gusset plate, indicated by dashed lines, is required for all connections. The manufacturer assumes no responsibility solely for the design shown. Indicated acceptance of professional engineering services under the responsibilities page of the ANSI/IPI Seal. For more information see: This Job. Tel.: 617-961-4444; Fax: 617-961-4445; E-mail: sales@bcindustry.com; Website: www.bcindustry.com.

IBC: www.iccsafe.org
LIN-80C: www.lin80c.com; IPI: www.ipinest.org; NCA: www.ncaindustry.com

No. 66648

STATE OF FLORIDA
PROFESSIONAL ENGINEER
10000
10/10/2011

10/10/2011

SPACING 24.0"

1

5

REF

- 11 -

UGX.

487-

102

1

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 GCpf (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

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

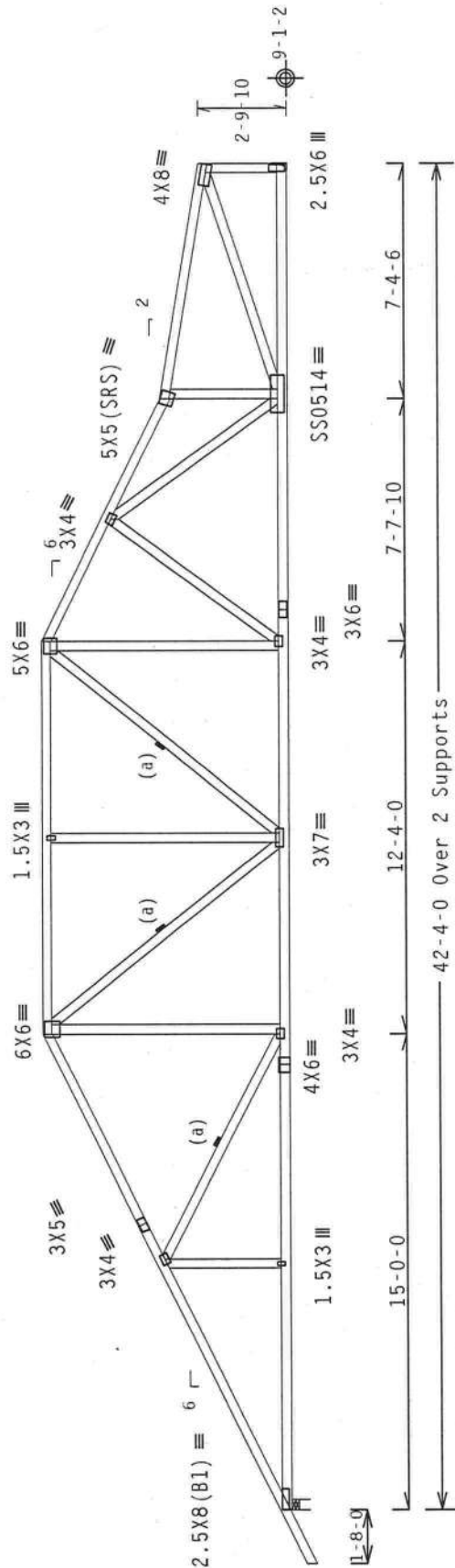
Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

(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.



R=1849 U=0 W=4"
RL=148/-137

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

PLT TYP.: 18 Gauge HS. Wave

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

*** 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 the following for the latest edition of BGSI (Building Good Steel Institute) for TPI and BGICA for the practices and performance requirements. Installers shall provide temporary bracing per BGSI and engineer's design. Trusses shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint bracing shall have bracing installed per BGSI sections B3, B8 or B10, as applicable.

[illegible]

R-1708 U=0 H-Simpson HUS26
Substituted Member Face: (4) 0.148"x3" nails
Flange Member Face: (14) 0.148"x3" nails
End Plate Member: (2) 2x6 SP M-26

J. 08.04.06001.16 (PTY)
 No. 66648
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER
 10/20/2011

ITW 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	

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 0L-5.0 psf, wind BC 0L-5.0 psf. $I_w=1.00$ GCpf (+/-)=-0.18

Roof overhang supports 2.00 psf soffit load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

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

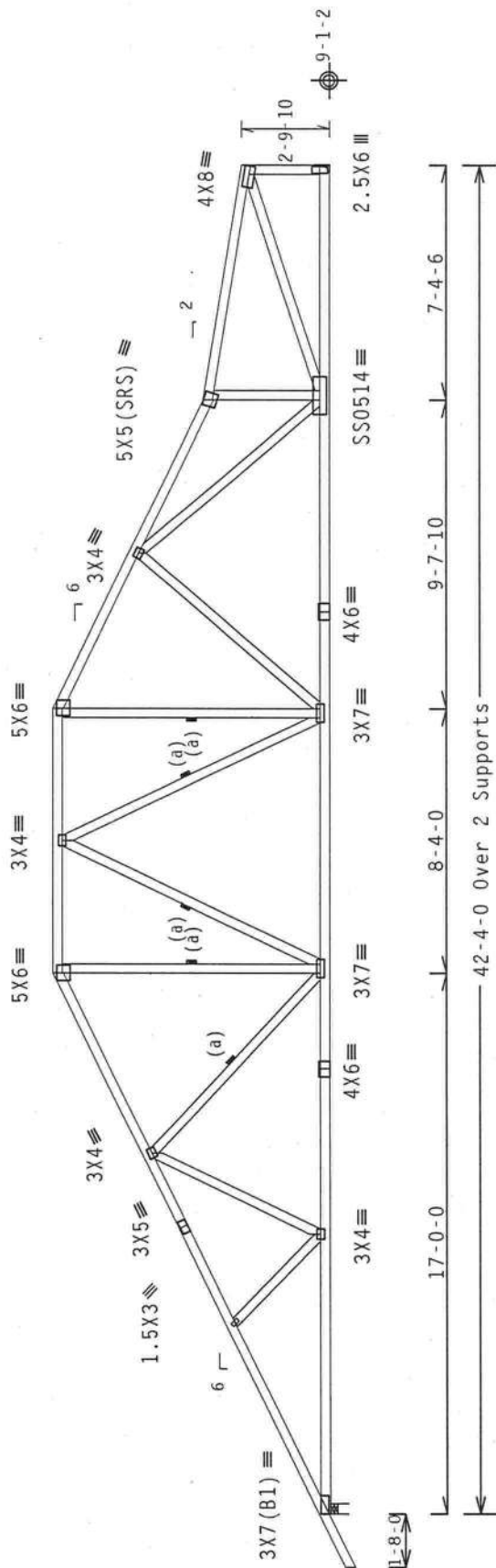
Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

(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.



R=1853 U=0 W=4"
RL=170/-159

R=1712 U=0 H=Simpson HUS26
Supported Member Face: (4)
Supporting Member Face: (14)
Supporting Member : (2) 2x6

PLT TYP. 18 Gauge HS, Wave

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

••IMPORTANT••

extreme care in fabricating, handling, shipping, installing and bracing. Refer to and

edition of BCSI (Building Component Safety Information, by IPI and WICA) for

to performing these functions. Installers shall provide temporary bracing per EN 1065.

Otherwise, top chord shall have properly attached structural sheathing and bottom chord
 fully attached rigid ceiling. Locations shown for permanent lateral restraint of webs

Installed per BCSI sections B3, B7 or B10, as applicable.

ponents Group Inc. (IH8CG) shall not be responsible for any deviation from this

field the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation,

5. Apply plates to each face of truss and position as shown above and on the Joint

Listing this drawing indicates acceptance of professional engineering otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on drawings 160A-Z indicates acceptance of professional engineering.

page receiving any drawings, materials, equipment, or information. The suitability and use of this design for any structure is solely for the design shown.

of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's

e; IIN-BCG: www.iinbcg.com; IPI: www.ipinst.org; NICA: www.sbcindustry.com;

(11-210--Fill in later BRYAN ZECHE/LESTER --, ** - H19A1)

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

Roof overhang supports 2.00 psf soffit load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

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

1110 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 IC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

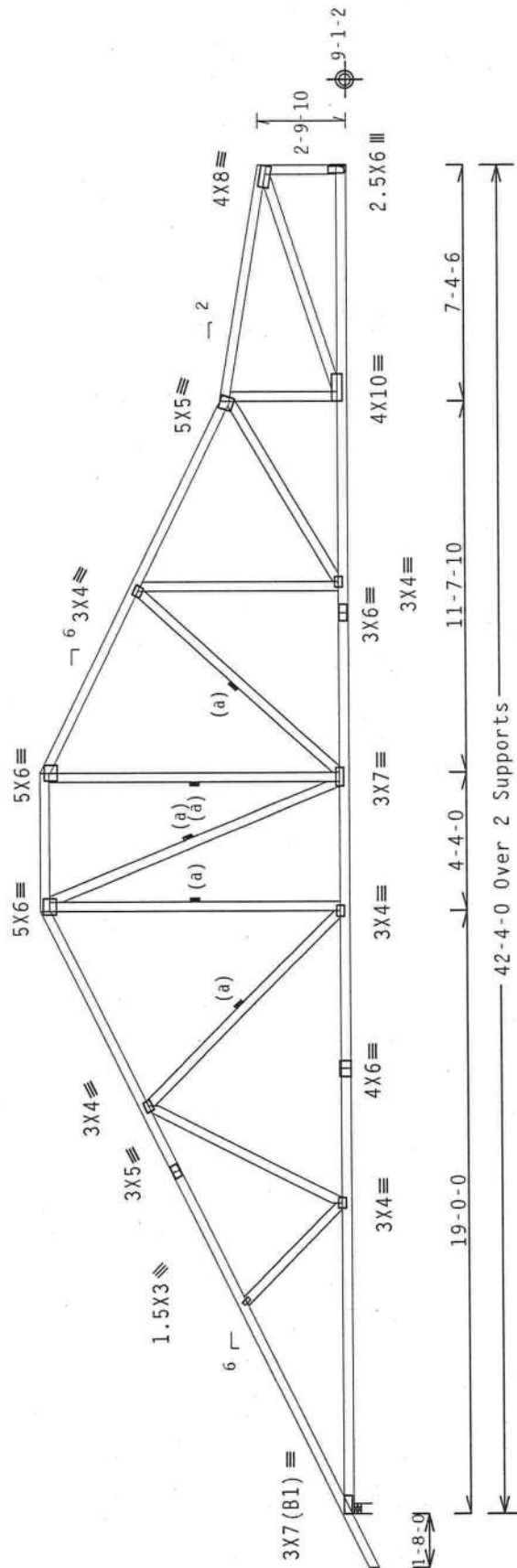
wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

(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.



R=1857 U=0 W=4"
RL=192/-181

R=1716 U=0 H=Simpson HUS26
Supported Member Face: (4)
Supporting Member Face: (14)
Supporting Member : (2) 2x6

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

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

10 08 04 0607 15 00TY

BC200/Res/IPI-200Z (310)
ET/PT=10% (0%) 10 (0)

Design Crit: FE

TYPE
F
C

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

PLI TYP. wave

****WARNING**** READ AND FOLLOW UP 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 BC31 (Building Component Safety Information, by IPI and MICA) for bracing practices prior to performing these functions. Installers shall provide temporary bracing per BC31 unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. All connections shall be free of lateral restraint. Trusses shall have bracing installed per BC31 sections B3, 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 trusses in conformance with this design, or any deviation from the design. Bracing or other details shall be as shown on drawings and shall be installed as shown. Trusses shall be braced or otherwise. Refer to drawings 160A-2 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 ANSI/TPI-1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; IPI: www.tpinet.org; MICA: www.spectraindust.com

No. 66648

STATE OF FLORIDA

PROFESSIONAL ENGINEER

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"

REF R487 - - 1689

DATE 11/10/11

DRW HCUSR487 11314006

HC-ENG JB/DF

SEQN- 245023

JREF- 1UGX487_Z01

(11-210--Fill in later BRYAN ZECHE/LESTER --, ** - H21A1)

	Top	30t	30b	30c	30d	30e	30f	30g	30h	30i	30j	30k	30l	30m	30n	30o	30p	30q	30r	30s	30t	30u	30v	30w	30x	30y	30z	30aa	30ab	30ac	30ad	30ae	30af	30ag	30ah	30ai	30aj	30ak	30al	30am	30an	30ao	30ap	30aq	30ar	30as	30at	30au	30av	30aw	30ax	30ay	30az	30ba	30bb	30bc	30bd	30be	30bf	30bg	30bh	30bi	30bj	30bk	30bl	30bm	30bn	30bo	30bp	30bq	30br	30bs	30bt	30bu	30bv	30bw	30bx	30by	30bz	30ca	30cb	30cc	30cd	30ce	30cf	30cg	30ch	30ci	30cj	30ck	30cl	30cm	30cn	30co	30cp	30cq	30cr	30cs	30ct	30cu	30cv	30cw	30cx	30cy	30cz	30da	30db	30dc	30dd	30de	30df	30dg	30dh	30di	30dj	30dk	30dl	30dm	30dn	30do	30dp	30dq	30dr	30ds	30dt	30du	30dv	30dw	30dx	30dy	30dz	30ea	30eb	30ec	30ed	30ee	30ef	30eg	30eh	30ei	30ej	30ek	30el	30em	30en	30eo	30ep	30eq	30er	30es	30et	30eu	30ev	30ew	30ex	30ey	30ez	30fa	30fb	30fc	30fd	30fe	30ff	30fg	30fh	30fi	30fj	30fk	30fl	30fm	30fn	30fo	30fp	30fq	30fr	30fs	30ft	30fu	30fv	30fw	30fx	30fy	30fz	30ga	30gb	30gc	30gd	30ge	30gf	30gg	30gh	30gi	30gj	30gk	30gl	30gm	30gn	30go	30gp	30gq	30gr	30gs	30gt	30gu	30gv	30gw	30gx	30gy	30gz	30ha	30hb	30hc	30hd	30he	30hf	30hg	30hh	30hi	30hj	30hk	30hl	30hm	30hn	30ho	30hp	30hq	30hr	30hs	30ht	30hu	30hv	30hw	30hx	30hy	30hz	30ia	30ib	30ic	30id	30ie	30if	30ig	30ih	30ii	30ij	30ik	30il	30im	30in	30io	30ip	30iq	30ir	30is	30it	30iu	30iv	30iw	30ix	30iy	30iz	30ja	30jb	30jc	30jd	30je	30jf	30jg	30jh	30ji	30jj	30jk	30jl	30jm	30jn	30jo	30jp	30jq	30jr	30js	30jt	30ju	30jv	30jw	30jx	30jy	30jz	30ka	30kb	30kc	30kd	30ke	30kf	30kg	30kh	30ki	30kj	30kk	30kl	30km	30kn	30ko	30kp	30kq	30kr	30ks	30kt	30ku	30kv	30kw	30kx	30ky	30kz	30la	30lb	30lc	30ld	30le	30lf	30lg	30lh	30li	30lj	30lk	30ll	30lm	30ln	30lo	30lp	30lq	30lr	30ls	30lt	30lu	30lv	30lw	30lx	30ly	30lz	30ma	30mb	30mc	30md	30me	30mf	30mg	30mh	30mi	30mj	30mk	30ml	30mm	30mn	30mo	30mp	30mq	30mr	30ms	30mt	30mu	30mv	30mw	30mx	30my	30mz	30na	30nb	30nc	30nd	30ne	30nf	30ng	30nh	30ni	30nj	30nk	30nl	30nm	30nn	30no	30np	30nq	30nr	30ns	30nt	30nu	30nv	30nw	30nx	30ny	30nz	30oa	30ob	30oc	30od	30oe	30of	30og	30oh	30oi	30oj	30ok	30ol	30om	30on	30oo	30op	30oq	30or	30os	30ot	30ou	30ov	30ow	30ox	30oy	30oz	30pa	30pb	30pc	30pd	30pe	30pf	30pg	30ph	30pi	30pj	30pk	30pl	30pm	30pn	30po	30pp	30pq	30pr	30ps	30pt	30pu	30pv	30pw	30px	30py	30pz	30qa	30qb	30qc	30qd	30qe	30qf	30qg	30qh	
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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.

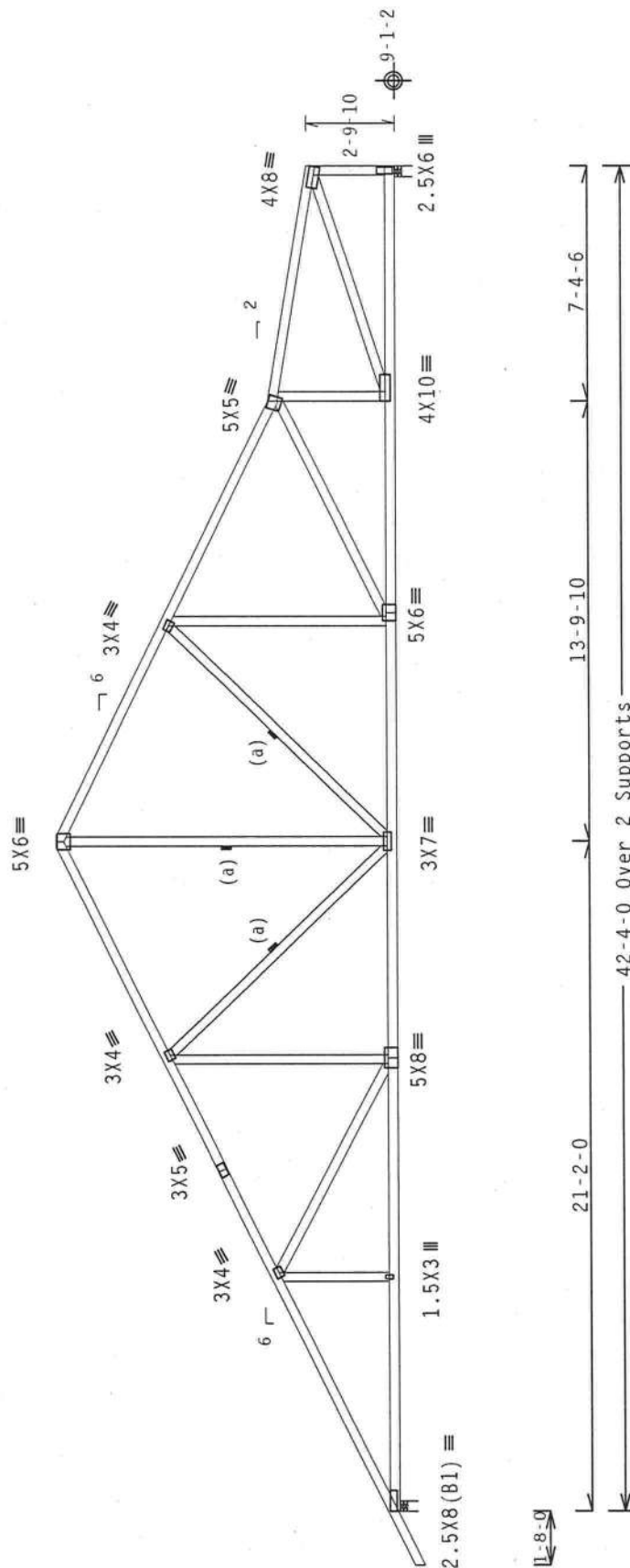
MMWFRS loads based on trusses located at least 15.00 ft. from roof edge.

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 GCpf (+/-)=0.18

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

Right end vertical not exposed to wind pressure.

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



R=1862 U=0 W=4"
RL=215/-204

42-4-0 Over 2 Supports

R=1721 U=0 W=4"

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

Scale = .1875"/Ft.

FI 1-141-1-1R1-

EF R487-- 1690

DATE 11/10/11

URW HCU5R487 11314003

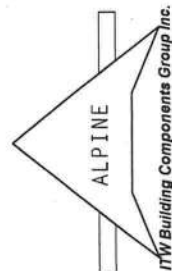
IC-ENG JB/DE

245041

T40C47 MB76

11055 1105497 701

PLOT TYP. Wave



Haines City, FL 33844
FL COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
 PROVIDE TAKE DESIGN TO ALL CONTRACTORS INCLUDING INSTALLED

[illegible]

ITV Building Components Group Inc. (IlliGBC) shall not be responsible for any deviation from this drawing or specification. ILLIGBC hereby certifies that it has fully built the trust in accordance with ANSI A101.1 or, for handling, shipping, installing, packing of crusses. Apply plates to each face of truss and position as shown above and on the Joist details, unless noted otherwise. Refer to drawings IBOB-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 is the responsibility of the building designer. ILLIGBC's website is: <http://www.illigbc.com>. This job's contact information is: ILLIGBC; www.illigbc.com; email: info@illigbc.com; NICA: www.nicaindustry.com; toll-free: 866-355CRAFT.

General notes page: ITH-050; www.ithug.org, ITH: web-s@nsls.org; NCCR: nccr@es.com
CC: www.fccsafe.org



Top chord 2x6 SP M-26 : T1 2x4 SP #1:

2x8 SP 2400f-2.0E:
:T3 chord 2x6 SP M-26 :B1 2x6 SP SS:
80t Webs 2x4 SP #3 :W6, W21, W22 2x4 SP #2 Dense:
:Lt Wedge 2x8 SP #1 Dense:

Brg blocks:0.131"x3" nails
1
x-loc #blocks length/blk #nails/blk wall plate
1 0.000' 12' 7 Rigid Surface
Brg block to be same size and species as bottom chord.
Refer to drawing CINA1LSP0109 for more information.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf, lw=1.00 GCpf (+/-)-0.18

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

Roof overhang supports 2.00 psf soffit load.

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

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

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

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

Special loads

-----	(Lumber	Fac.	-1.25		Plate	Dur.	Fac.	-1.25)
IC-	From	62	p/lf	at -1.67	to	62	p/lf	at 7.00
TC-	From	62	p/lf	at 7.00	to	62	p/lf	at 17.00
TC-	From	62	p/lf	at 17.00	to	62	p/lf	at 31.00
TC-	From	62	p/lf	at 31.00	to	62	p/lf	at 42.33
BC-	From	4	p/lf	at -1.67	to	4	p/lf	at 14.00
BC-	From	20	p/lf	at 0.00	to	20	p/lf	at 4.00
BC-	From	20	p/lf	at 14.00	to	20	p/lf	at 30.00
BC-	From	20	p/lf	at 30.00	to	20	p/lf	at 42.33
IC-	43.23	lb Conc.	Load at	7.03				
TC-	185.83	lb Conc.	Load at	9.06				
23.06	25.06	27.06	29.06	31.06	33.06	35.06	37.06	39.06
41.06								
BC-	437.05	lb Conc.	Load at	7.03				
BC-	128.12	lb Conc.	Load at	9.06				
23.06	25.06	27.06	29.06	31.06	33.06	35.06	37.06	39.06
41.06								
BC-	471.64	lb Conc.	Load at	15.60				
				21.73				

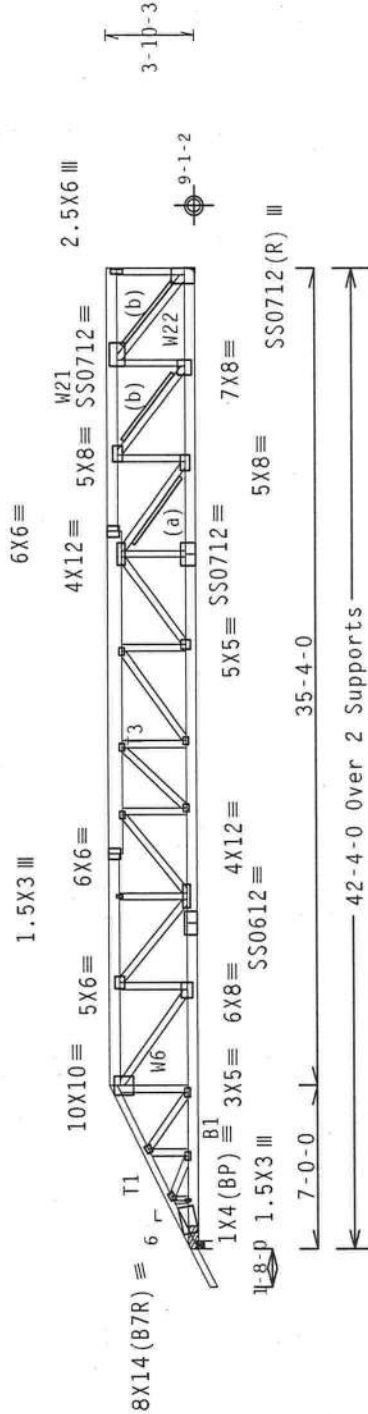
Right end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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.

Calculated vertical deflection is 0.77" due to live load and 0.78" due to dead load at $X = 21-11-4$.



R=4836 U=579 W=4"
RI=100/-46

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

PLT TYP.: 18 Gauge HS.Wave

FL/-/4/-/-/R/-/ - Scale = .125"/Ft.

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
THIS IS A DESIGN TO BE USED BY CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and erecting. The contractor shall be responsible for providing the necessary information to the fabricator and the erector. The contractor shall provide the necessary information to the fabricator and the erector. The contractor shall provide the necessary information to the fabricator and the erector.

The Building Components Group Inc. (TBG) shall not be responsible for any deviation from this drawing or specification. The manufacturer shall be responsible for any failure to build the Truss in conformance with ANSI/PPI 1 or for handling, shipping, installation, erection, or placing of trusses. Apply labels to each face of truss and position as shown above and on the Joint Detail. Details, unless noted otherwise. Refer to drawings I-600-2 for standard plate positions. A seal on the bottom flange of the top chord 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. See TBG website for details. This job's specifications may vary from those shown here.

TBG: New London, CT
TBC: New Bedford, MA
PIT: New Ipswich, NH
NICA: New York, NY

www.tbgroup.com
www.tbgroup.com
www.tbgroup.com
www.tbgroup.com

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New Bedford, MA 01945
New Ipswich, NH 03051
New London, CT 06320
New York, NY 10008

R=5030 U=612 H=Simpson HGUS26

K-3030 0-012 H-3 Simpson 180320
Supported Member Face: (8) 0 162"x3 5" nails

supported Member Face: (8) 0.162 X 3.3 Halls
Supporting Member Face: (20) 0.162" x 3.5" Halls

Supporting Member Face: (20) 0.162" (2) 2x6 SP M-26

DOUGLAS

04/0603.18

No. 66648

☆

STATE OF NEW YORK
IN SENATE,
January 10, 1906.
REPORT
OF THE
COMMISSIONERS OF THE LAND OFFICE,
IN ANSWER TO A RESOLUTION PASSED BY THE SENATE,
MAY 17, 1899.
ALBANY:
JAMES BRONKHORST & SONS, PRINTERS,
1899.

FILE

FLORIDA

PROFESSIONAL ENGINEER

5.0
15
10

Abstract

(11-210--Fill in later BRYAN ZECHER/LESTER -- ** - AS2)

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

Left end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

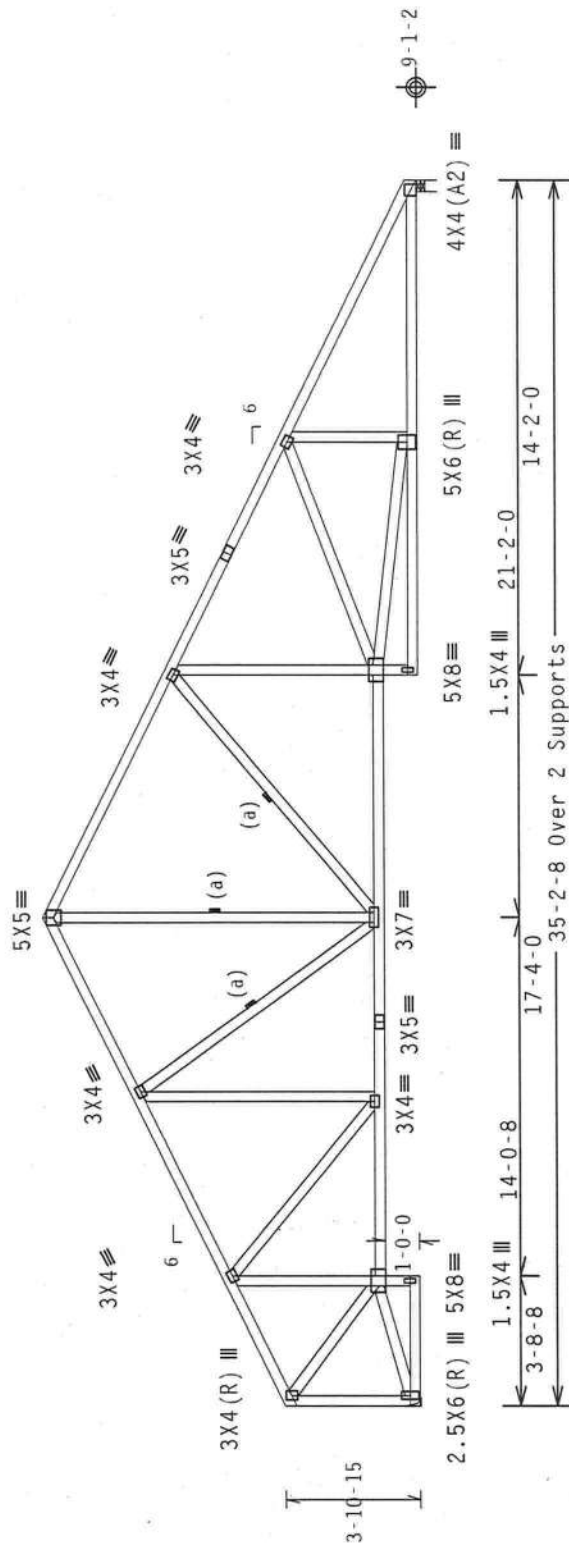
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCPI(+/-)=0.18

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

(a) Continuous lateral bracing equally spaced on member.

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-1444 U=0
RL-170/-204 H-Simpson HUS26
Supported Member Face: (4) 0.148"x3" nails
Supporting Member Face: (14) 0.148"x3" nails
Supporting Member: (1) 2x6 SP M-26

R-1456 U=0 W=4

PLT TYP. Wave

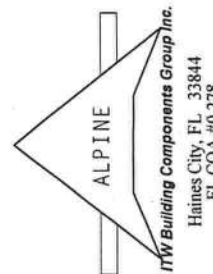
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487--	1692
TC DL	10.0 PSF	DATE	11/10/11	
BC DL	10.0 PSF	DRW	HCUSR487	11314030
BC LL	0.0 PSF	HC-ENG	JB/DF	
TOT.L.D.	40.0 PSF	SEQN-	244478	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UGX487_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 NICA for safety practices prior to performing these functions. Installers shall provide temporary bracing per the details, 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 web 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 or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise, shall refer to drawings located on the Job for standard plate positions. The responsibility 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.itw-bcg.com; TPI: www.tpinet.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org



(11-210--Fill in later BRYAN ZECHER/LESTER -- , ** - H15AS)

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

Left end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

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

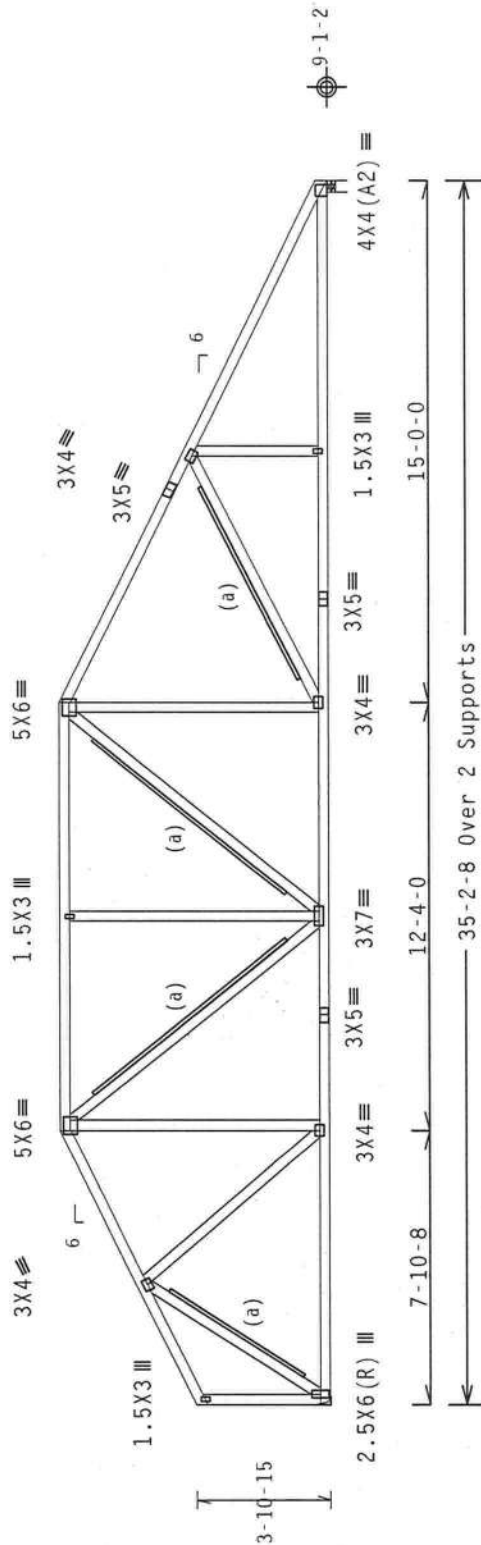
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. 1w-1.00 GCp1(+/-)-0.18

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

(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.

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



R-1444 U-0
RL-104/-138 H-Simpson HUS26
Supported Member Face: (4) 0.148"x3" nails
Supporting Member Face: (14) 0.148"x3" nails
Supporting Member : (1) 2x6 SP #2

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

PLT TYP. Wave

Scale = .1875"/Ft.

ALPINE
IIM Building Components Group Inc.
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. 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 WICA 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. IIM Building Components Group Inc. (IIMBCG) 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 joint details, unless noted otherwise. Refer to drawings 1609-2 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 ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page: IIM-BCG: www.iimbcg.com; TPI: www.tpinet.org; WICA: www.sbcindustry.com; ICC: www.iccsafe.org				REF	R487--	1693
★				DATE	11/10/11	
★				DRW	HCSR487	11314016
★				HC-ENG	JB/DF	
★				SEQN	244488	
★				TOT.LD.	40.0 PSF	
★				DUR.FAC.	1.25	
★				SPACING	24.0"	JREF - 1UGX487_Z01

(11-210--Fill in later BRYAN ZECHER/LESTER --, ** - ASI)

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

Left end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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, 15.51 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

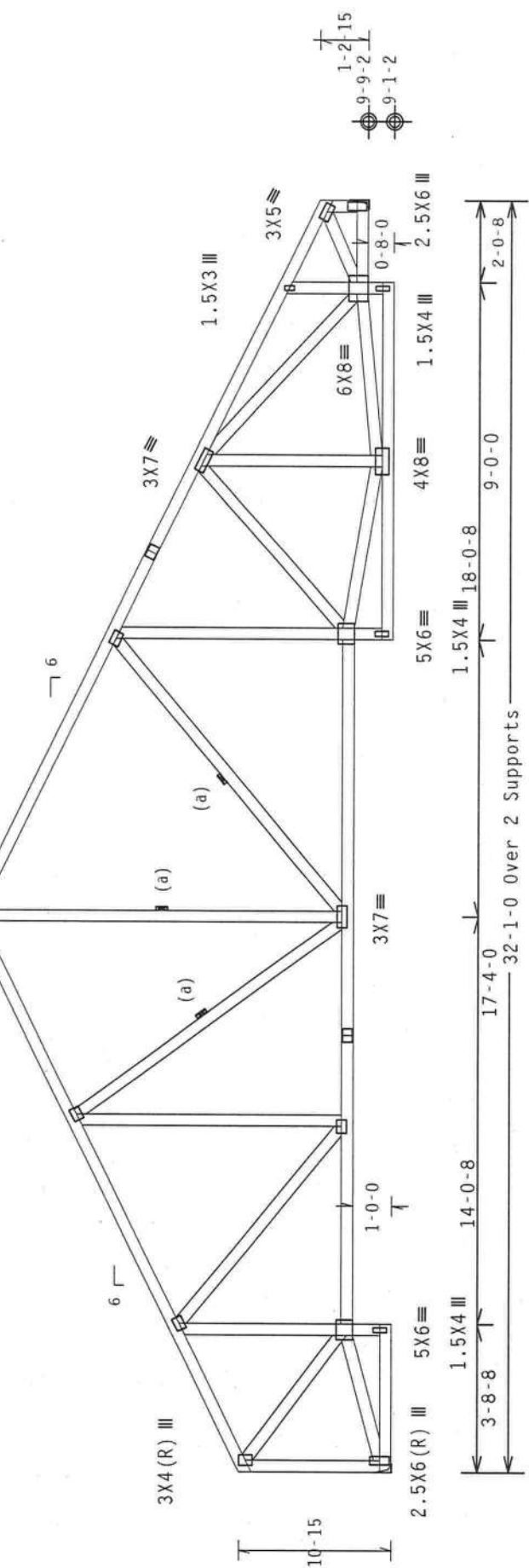
Wind loads and reactions based on MWFRS with additional C&C member design.

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

(a) Continuous lateral bracing equally spaced on member.

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

MWFRS loads based on trusses located at least 15.51 ft. from roof edge.



R-1418 U-0
RL-157/-178 H-Simpson HUS26
Supported Member Face: (4) 0.148"x3" nails
Supporting Member Face: (14) 0.148"x3" nails
Supporting Member : (1) 2x6 SP #2

Note: All Plates Are 3X4 Except As Shown.

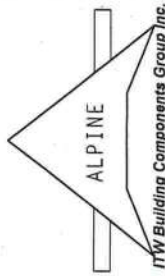
Design Crit: FBC2007Res/TPI-2002 (STD)

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

R=1409 U-0
H=SimpsonH1

Scale = .25"/Ft.



 ALPINE nW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	PLT TYP. Wave		QTY 2	FL/-4/-/-/R/-	Scale = .25"/Ft.
	WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET		TC LL	20.0 PSF	REF R487-- 1694
	FURNISH THIS DESIGN TO ALL COMPANIES INCLUDING INSTALLERS.		TC DL	10.0 PSF	DATE 11/10/11
	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 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 bracing installed per BCSI sections 83, 87 or 810, as applicable.		BC DL	10.0 PSF	DRW HCUSR487 11314007
	TPI Building Components Group Inc. (TIBCO) shall not be responsible for any deviation from the design shown. 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 IFC: www.tpiinc.org; TPI: www.tpinet.org; MICA: www.sbcindustry.com;		BC LL	0.0 PSF	HC-ENG JB/DF
			TOT.LD.	40.0 PSF	SEQN- 244510
		DUR.FAC.	1.25		
		SPACING	24.0"		JREF- 1UGX487_Z01

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

Left end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

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

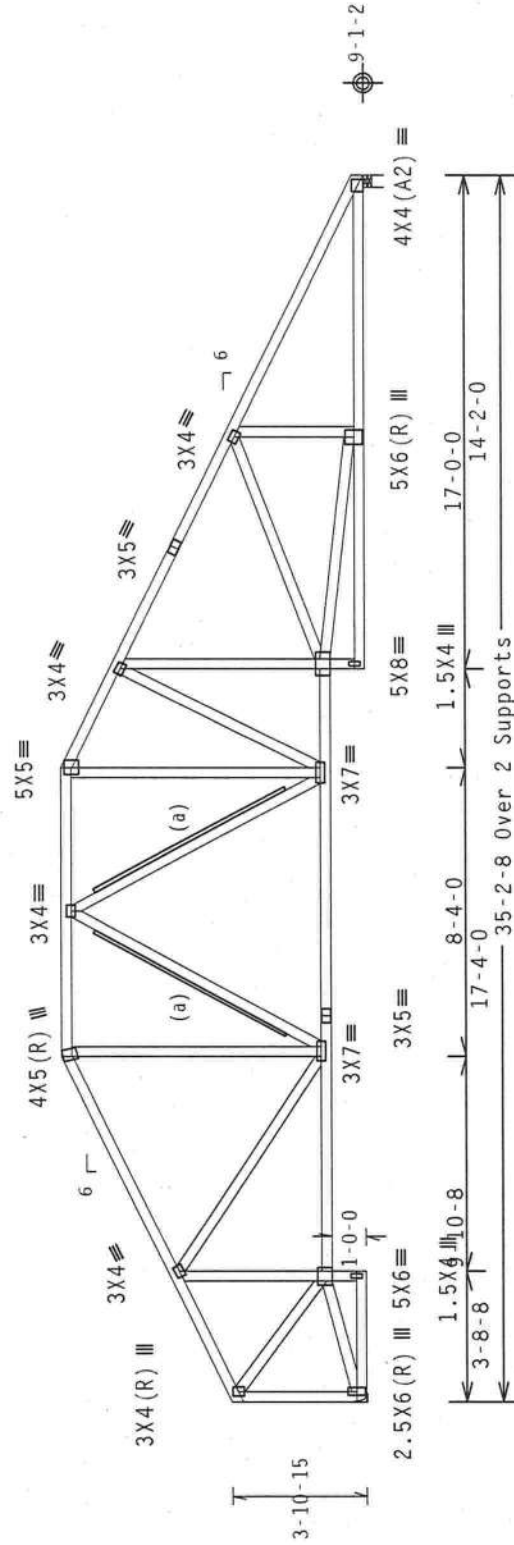
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. Iw=1.00 GCpf (+/-)=0.18

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

(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.

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



R-1444 U-0
RL-126/-160 H-Simpson HUS26
Supported Member Face: (4) 0.148"x3" nails
Supporting Member Face: (14) 0.148"x3" nails
Supporting Member : (1) 2x6 SP #2

PLT TYP: Wave

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

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

TC LL	20.0	PSF	REF R487-- 1695
TC DL	10.0	PSF	DATE 11/10/11
BC DL	10.0	PSF	DRW HCUR487 11314008
BC LL	0.0	PSF	HC-ENG JB/DF
TOT.LD.	40.0	PSF	SEQN- 244527
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UGX487_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. Reliance on the latest edition of BCSI (Building Components Institute) standards shall be required. Truss installers shall follow the notes outlined 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.

LTV Building Components Group Inc. (LTVBCG) 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, 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 100A-Z for standard plate positions. A seal on the drawing or covering or cover page listing this drawing, indicating acceptance of professional engineering responsibility is solely the responsibility of the design engineer per ANSI/TPI 1 Sec. 2. This job's responsibility shall be the Building Component per ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page. LTV-BG: www.ltvbcg.com; TPI: tpinet.org; NCA: www.ncaindustry.com; www.10csafe.org

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

Left end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

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

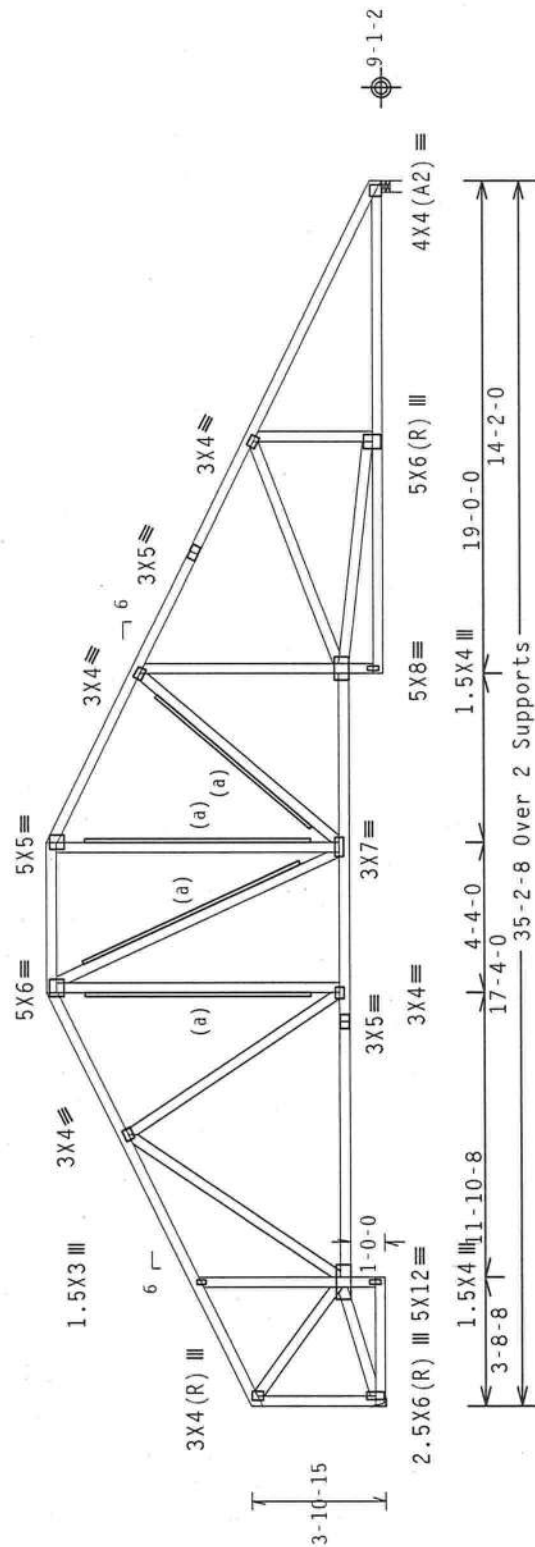
11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCp1 (+/-)=-0.18

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

(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.

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



R-1444 U=0

RI=147/-181 H=Simpson HUS26

Supported Member Face: (4) 0.148"x3" nails

Supporting Member Face: (14) 0.148"x3" nails

Supporting Member : (1) 2x6 SP #2
Supporting Member : (14) 6.14x

R-1456 U=0 W=4"

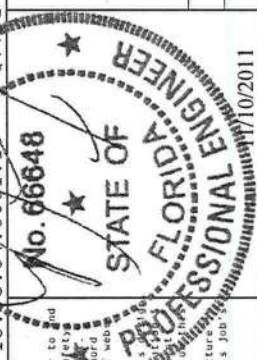
PLT TYP. Wave

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

3C200/Res/IF1-2002
FT/RT=10%(0%) / 0(0)

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF R487--	1696
TC DL	10.0 PSF	DATE	11/10/11
BC DL	10.0 PSF	DRW	HCUSR487 11314028
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	244543
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UGX487_Z01



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

****IMPORTANT**** Trusses require extreme care in fabricating, handling, installing and bracing. Please follow the latest edition of BCSP (Building Component Safety) information, by IPI and NICA, and all applicable practices prior to performing work. Trusses shall have properly attached structural sheathing and bottom chord bracing. Trusses shall have a properly attached rafter ceiling. Locations shown for permanent lateral restraints. Trusses shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

IPI Building Components Group Inc. (IPI/BCG) shall not be responsible for any deviation from the design shown. IPI/BCG shall not be responsible for any failure to build the truss in conformance with ANSI/SPRI 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 160M-2 for standard plate positions. A seal or gasket is required on all connections. Trusses shall be installed in accordance with the manufacturer's instructions and cover page listing this drawing. Indicates acceptance of professional engineering supervision and responsibility solely for the design shown. The suitability and use of this design shall be the responsibility of the user. For more information see: IPI Building Components Group Inc. (IPI) website: www.ipiinst.org; NICA: www.bcdindustry.com; the responsible page: www.16csp4p.org

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

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

Left end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

MMWFRS loads based on trusses located at least 15.47 ft. from roof edge.

1110 mph wind, 15.47 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 GCp1 (+/-)=-0.18

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

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

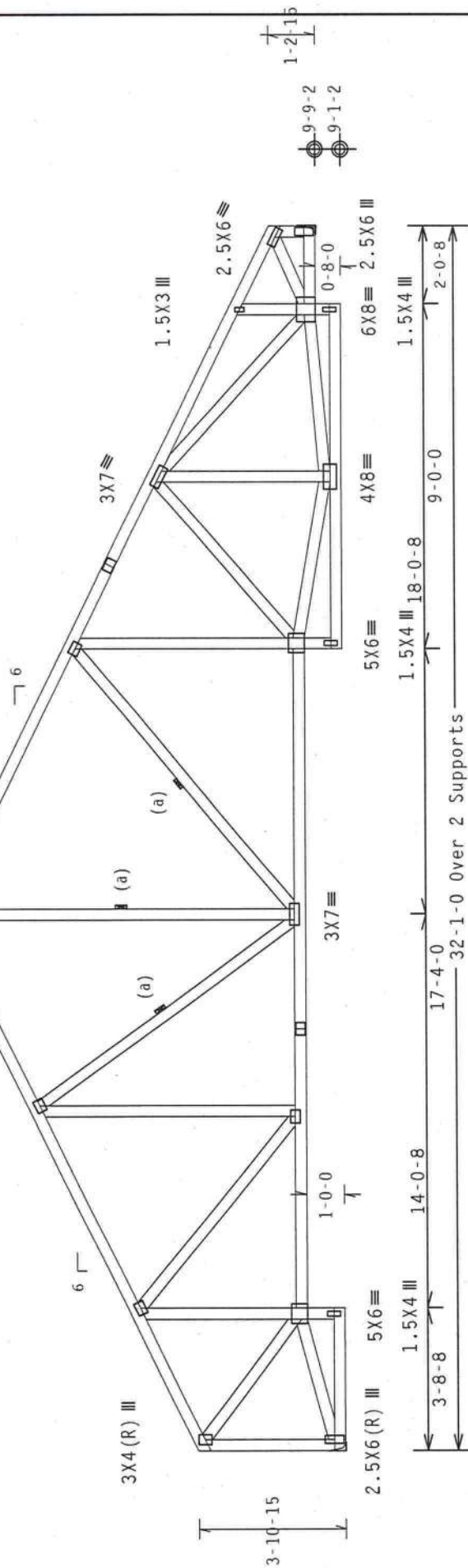
(a) Continuous lateral bracing equally spaced on member.

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

These hangers and support conditions used at bearings indicated.

$$(HI) = \text{Simpson}$$

(H2) = (J) Hanger not calculated



R=1321 U=0
RL=156/-176 H=Simpson HUS26
Supported Member Face: (4) 0.148"x3" nails
Supporting Member Face: (14) 0.148"x3" nails
Supporting Member : (1) 2x6 SP #2

Note: All plates are 3X4 except as shown.

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave

FL 1-14/-/-/R/-
Scale = .25"/Ft.

REF R487-- 1697

DATE 11/10/11

[illegible]

URW HCUSK487 1131402

HC-ENG JB/DF

SEQN- 244566

10

JREF- 1UGX487 Z0



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

****IMPORTANT****

Trosses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Components International) standards for design, fabrication practices prior to performing erection. All drawings shall have properly attached structural bracing per AISC 890. The contractor 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.

IW Building Components Group Inc. (IWBGCO) shall not be responsible for any deviation from the many failure to build the truss in accordance with IWSI TPI for handling, shipping, installation, erection, or use. In each case of truss and position as shown above and on the Job sheet, the contractor shall note themselves. Refer to drawings 160A-2 for standard plate positions. A seal over 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/HPSI Sec.2. For more information see: This Job's general notes page; IWB-BCCI: www.iwbgc.com; TPI: www.tpiinst.org; IWCA: www.sbcindustrial.com.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0278

(11-210--Fill in later BRYAN ZECHER/LESTER --, ** - AS)

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 9.00 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Left end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

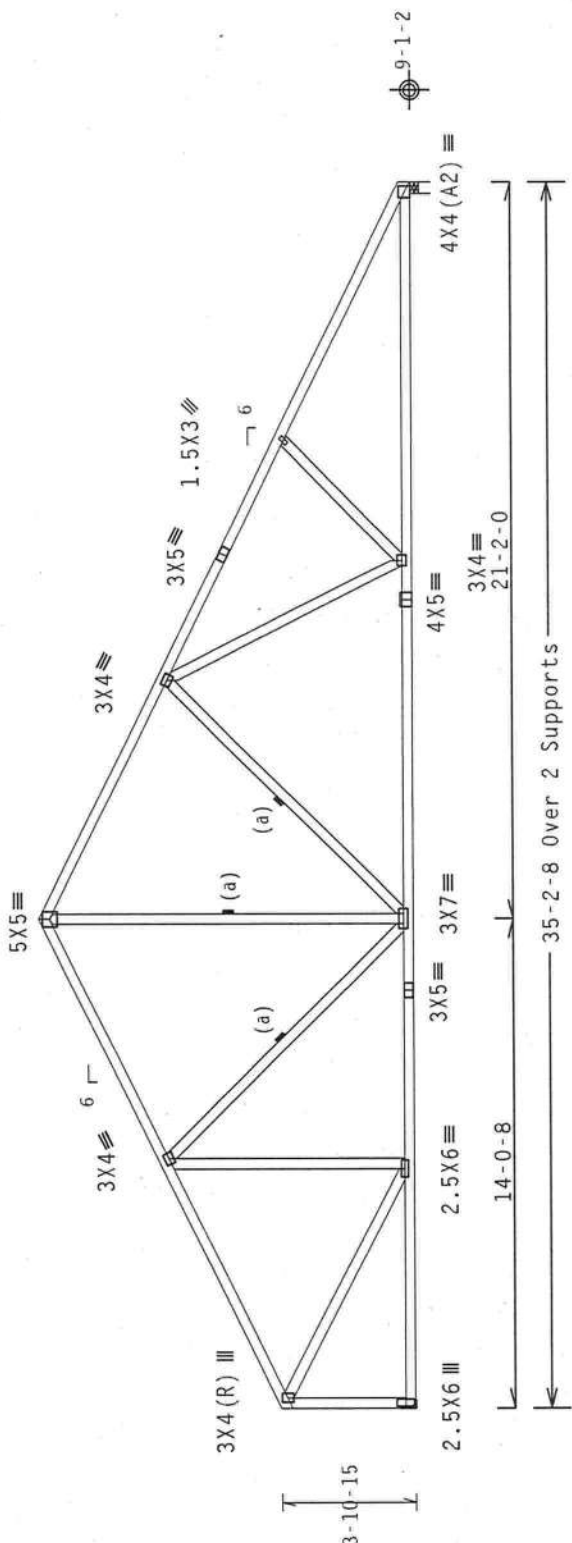
Deflection meets L/240 live and L/180 total load.

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

(a) Continuous lateral bracing equally spaced on member.

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=1444 U=0
RL-170/-204 H-Simpson HUS26
Supported Member Face: (4) 0.148"x3" nails
Supporting Member Face: (14) 0.148"x3" nails
Supporting Member : (1) 2x6 SP M-26

R=1456 U=0 W=4"

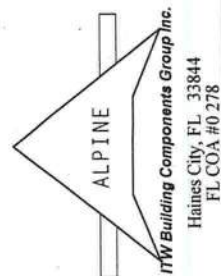
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale = .1875" / Ft.	FL / - / 4 / - / - / R / -
REF R487 -- 1698	TC LL 20.0 PSF
DATE 11/10/11	TC DL 10.0 PSF
DRW HCUR487 11314008	BC DL 10.0 PSF
HC-ENG JB/DF	BC LL 0.0 PSF
SEQN- 245162	TOT.LD. 40.0 PSF
	DUR.FAC. 1.25
JREF- 1UGX487_Z01	SPACING 24.0"



****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 IPI and HICA) for practices prior to performing these functions. Installers shall provide temporary bracing per notes 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 any failure to build the truss in accordance with ANSI/TPI 1 Sec. 2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org



(11-210--Fill in later BRYAN ZECHER/LESTER --, ** - H9AT)

Top chord 2x6 SP #2 :T1 2x4 SP M-30:
:T4 2x4 SP #2 Dense:
Bot chord 2x6 SP #2 :B1 2x4 SP M-30:
:B2 2x8 SP 2400f-2.0E: :B3 2x6 SP #1 Dense:
Webs 2x4 SP #3 :W12 2x4 SP M-30:
:W13 2x4 SP #2 Dense:

Special loads

Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 plf at -1.67 to 62 plf at 9.00
TC- From 31 plf at 9.00 to 31 plf at 18.10
TC- From 62 plf at 18.10 to 62 plf at 23.00
TC- From 62 plf at 23.00 to 62 plf at 33.33
TC- From 62 plf at 33.33 to 62 plf at 42.33
TC- From 4 plf at -1.67 to 4 plf at 0.00
TC- From 20 plf at 0.00 to 20 plf at 2.67
TC- From 20 plf at 2.67 to 20 plf at 7.29
TC- From 10 plf at 7.29 to 10 plf at 15.83
TC- From 10 plf at 15.83 to 10 plf at 18.10
TC- From 20 plf at 18.10 to 20 plf at 29.83
TC- From 20 plf at 29.83 to 20 plf at 42.33
TC- 326.00 lb Conc. Load at 9.06
TC- 235.33 lb Conc. Load at 11.06,13.06,15.06
TC- 96.19 lb Conc. Load at 17.06
BC- 1087.10 lb Conc. Load at 9.02
BC- 165.63 lb Conc. Load at 11.06,13.06,15.06
BC- 268.33 lb Conc. Load at 17.06
BC- 2319.12 lb Conc. Load at 18.10

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

2 COMPLETE TRUSSES REQUIRED

Na11 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.
(++) - This plate works for both joints covered.
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

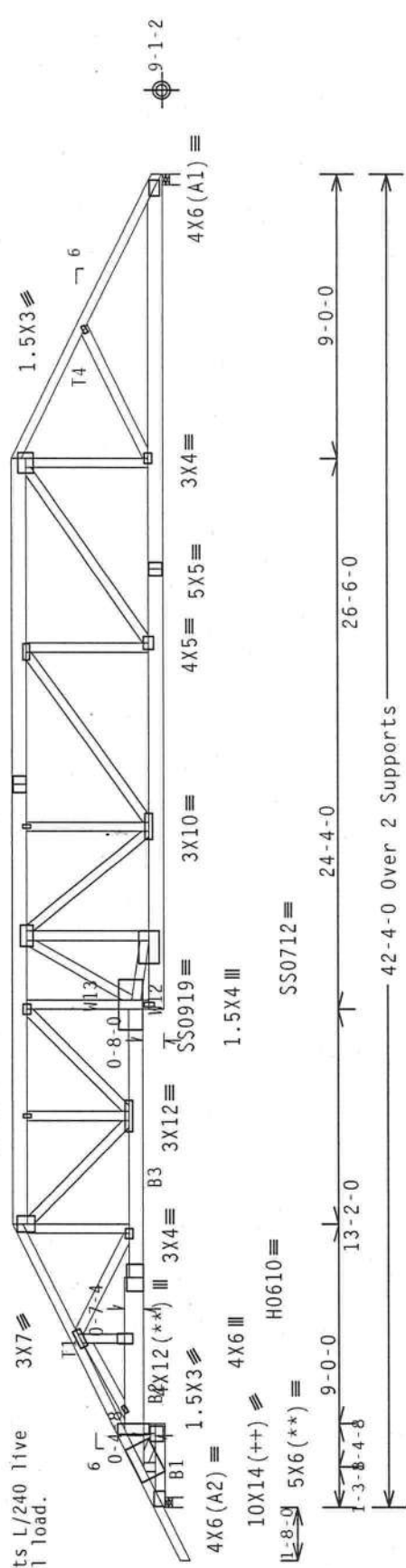
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. IW=1.00 GCpl(+/-)-0.18

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

Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.16" due to live load and 0.16" due to dead load.

In lieu of structural panels use purlins to brace all flat TC 6X8 @ 24" OC.



R-5083 U-565 W-4"

R-3423 U-365 W-4"

PLT TYP. 20 Gauge HS.18 Gauge HS, Design Crit: FBC2007Res/TPI-2002(STD) FT/RT=10%(0%)/0(0)

FL/-/4/-/-/R/-	Scale =.1875"/Ft.
TC LL 20.0 PSF	REF R487-- 1699
TC DL 10.0 PSF	DATE 11/10/11
BC DL 10.0 PSF	DRW HCUSR487 11314016
BC LL 0.0 PSF	HC-ENG JB/DF
TOT.LD. 40.0 PSF	SEQN- 244972 REV
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1UGX487_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 NICA) 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 web 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 or any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing, bracing or fastening of trusses. Apply proper bracing and fastening techniques. Refer to drawings 1008-2 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 ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org

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

(11-210--Fill in later BRYAN ZECHER/LESTER --, ** - H7B)

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

Roof overhang supports 2.00 psf soffit load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Left side jacks have 7-0-0 setback with 0-0-0 cant and 0-0-0 overhang.
End jacks have 7-0-0 setback with 0-0-0 cant and 1-8-0 overhang.
Right side jacks have 7-0-0 setback with 0-0-0 cant and 1-8-0 overhang.

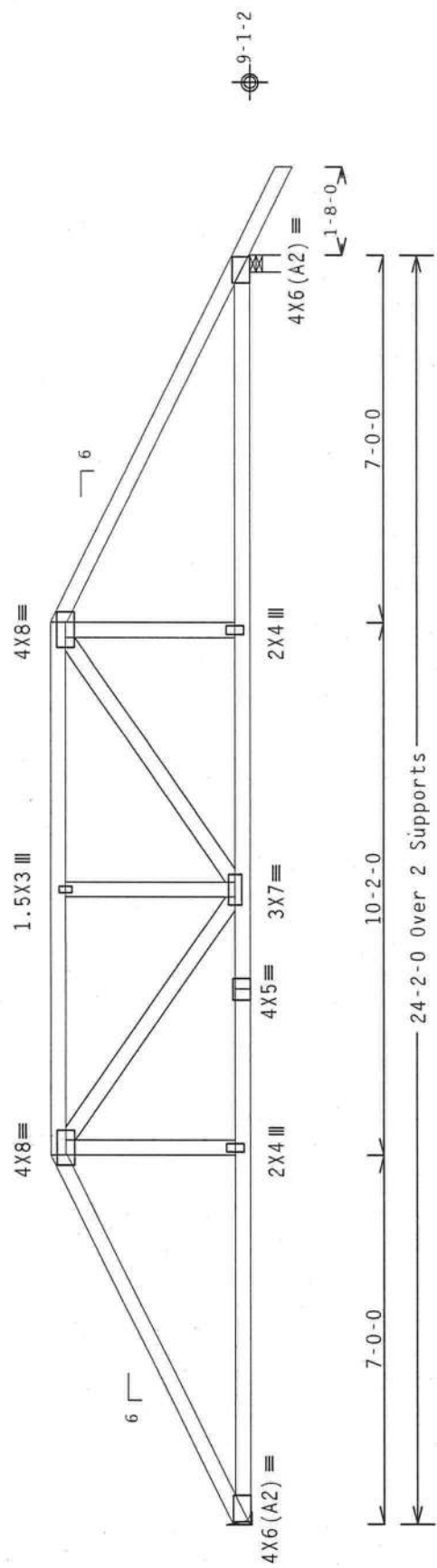
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)-0.18

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.

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

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



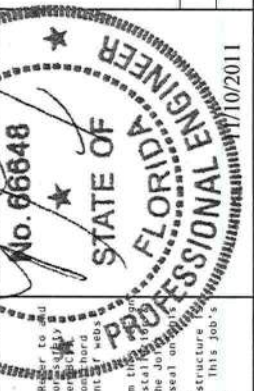
R-1945 U-166 H-Simpson HUS26
Supported Member Face: (4) 0.162"x3.5" nails
Supporting Member Face: (14) 0.162"x3.5" nails
Supporting Member : (1) 2x6 SP SS

R-2066 U-197 W-4"

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

PLT TYP. Wave

Scale = .3125"/Ft.	REF R487-- 1700
TC LL 20.0 PSF	DATE 11/10/11
TC DL 10.0 PSF	DRW HCUSR487 11314010
BC DL 10.0 PSF	HC-ENG JB/DF
BC LL 0.0 PSF	SEQN- 244925
TOT.LD. 40.0 PSF	
DUR.FAC. 1.25	
SPACING 24.0"	JREF- 1UGX487_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 best 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. Locations shown for permanent lateral restraints. Webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
TIN Building Components Group Inc. (TINBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with the design. 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: TIN-BCG: www.tinbcg.com; TPI: www.tpinet.org; NICA: www.socindustry.com; ICCI: www.iccsafe.org

ALPINE

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

(11-210--Fill in later BRYAN ZECHER/LESTER -- ** - H9B)

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 9.00 ft from roof edge, CAI II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. $I_w=1.00$ $G_{Cp1}(+/-)=0.18$

Roof overhang supports 2.00 psf soffit load.

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

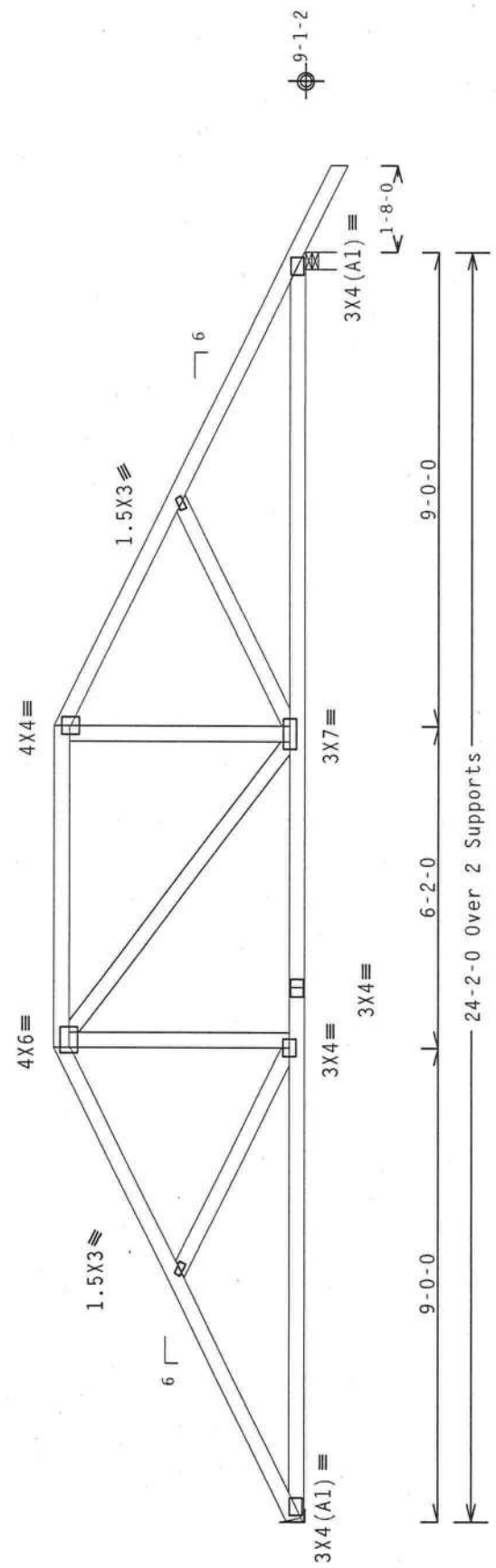
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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.

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

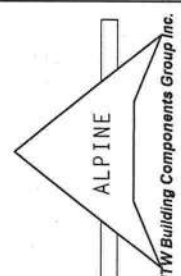


R-990 U-90
RL-114/-105 H-Simpson LUS26
Supported Member Face: (4) 0.148"x3" nails
Supporting Member Face: (4) 0.148"x3" nails
Supporting Member : (1) 2x6 SPSS
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

R-1112 U-113 W-4"

PLT TYP. Wave

Scale = .3125"/Ft.

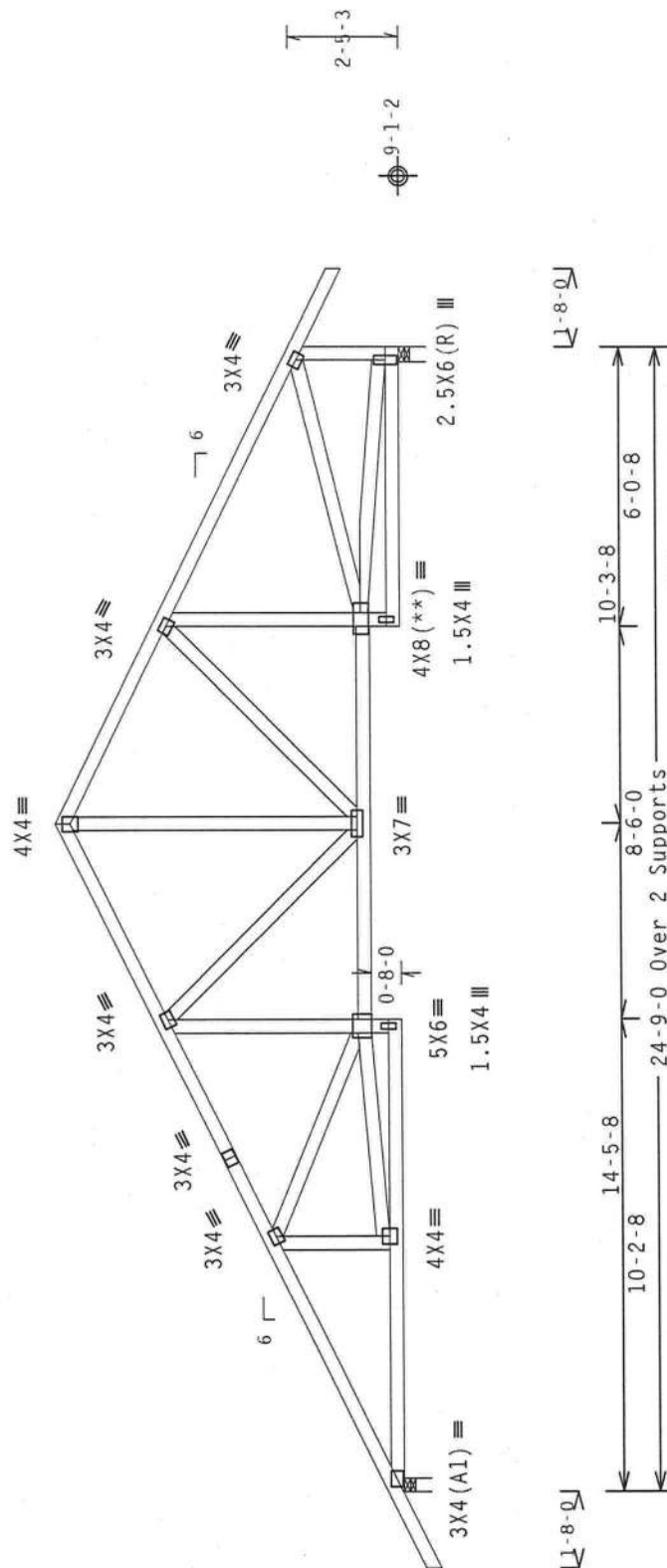
 ALPINE iW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.		TC LL	20.0 PSF	REF	R487-- 1701
	Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information, by IPI and WICA for safety instructions. Installers shall provide temporary bracing per BCSI instructions. Trusses 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.		TC DL	10.0 PSF	DATE	11/10/11
	I/W Building Components Group Inc. (114800) 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 details, unless noted otherwise. Refer to drawings 160A-2 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 shall be determined by the building designer per ANSI/IPI 1 Sec.2. For more information see: This job's general notes page; IPI-Bldg: www.ipiinst.org; IPI: www.ipiinst.org; WICA: www.wicainst.org; ICC: www.iccsafe.org		BC DL	10.0 PSF	DRW	HCUSR487 11314011
			BC LL	0.0 PSF	HC-ENG	JB/DF
			TOT.LD.	40.0 PSF	SEQN-	244932
			DUR.FAC.	1.25		
			SPACING	24.0"	JREF-	1UGX487_Z01

(**) 1 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, 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.



R=1116 U=110 W=4"

R=1138 U=109 W=3.5"
RL=172/-151

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

Scale = .25"/Ft.

PIT TYP. Wave

TC LL	20.0	PSF	REF R487-- 1702
TC DL	10.0	PSF	DATE 11/10/11
BC DL	10.0	PSF	DRW HCUR487 11314022
BC LL	0.0	PSF	HC-ENG JB/DF
TOT.LD.	40.0	PSF	SEQN- 244589
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UGX487_Z01

NO. 66648

STATE OF FLORIDA

PROFESSIONAL ENGINEER

W/10/2011

****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 the latest edition of BCSP Building Components Group Inc.'s publication "Bracing of Trusses" for complete details. The installer shall provide temporary bracing per the specifications attached otherwise the manufacturer will have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of trusses shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

The Building Components Group Inc. (IBCBG) shall not be responsible for any deviation from this design due to 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 Joist Girders, unless noted otherwise. Refer to drawings I60A-2 for standard plate positions. A seal 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: <http://www.trussinfo.org>; info@trussinfo.org; <http://www.ibcgroup.com>; web@ibcgroup.com; <http://www.tpinet.org>; NICA; www.nica.org

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

(**) 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 11, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.0$ GCpi (+/-)=0.18

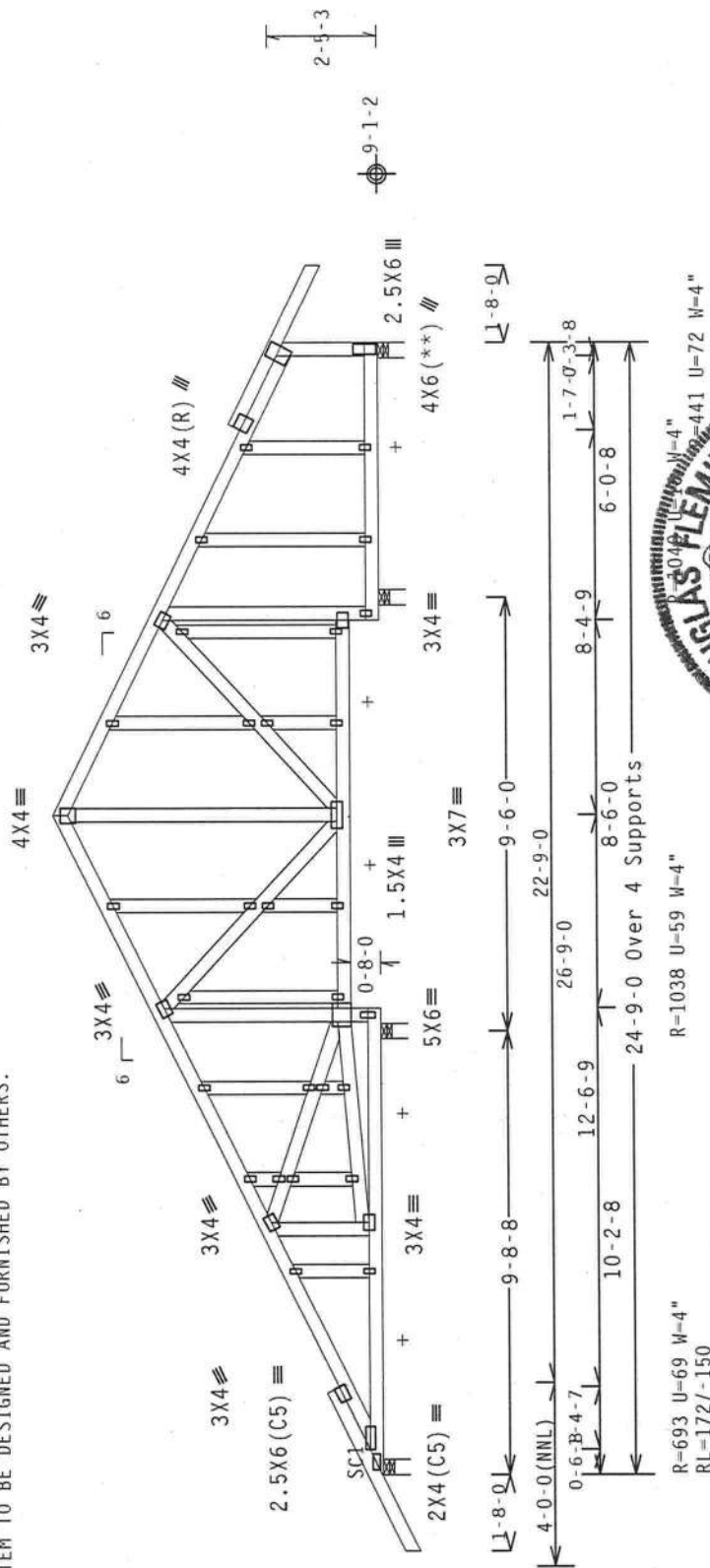
Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

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

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

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



Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

PLT TYP. Wave

Scale = .25"/Ft.

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

REF R487-- 1703

REL	K407	1703
DATE	11/10/11	

DATE 11/10/11

DRW HCUSR487 11314023

HC-ENG JB/DF

SF0N- 244607

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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[illegible]

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

****IMPORTANT****

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the literature and drawings (including details) for complete safety information. By IPI and NICA for IPI to conforming these functions. Installers shall provide temporary bracing per IPI. If the drawings 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 BCIS 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/IPI 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 160A-2 for standard plate positions. A seal on the underside of the truss is required for all trusses. Trusses shall be installed in accordance with the manufacturer's drawing or cover page listing this drawing. Indicates acceptance of professional engineering structure. Is the responsibility solely for the design shown. The suitability and use of this design are the responsibility of the building designer. For more information visit: This Job's Engineering Page: www.itwbcg.com; IPI: www.ipiinst.org; NICA: www.nicaindustry.com; ITW: www.itw.com

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

(11-210--Fill in later BRYAN ZECHER/LESTER -- , * - D)

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

Roof overhang supports 2.00 psf soffit load.

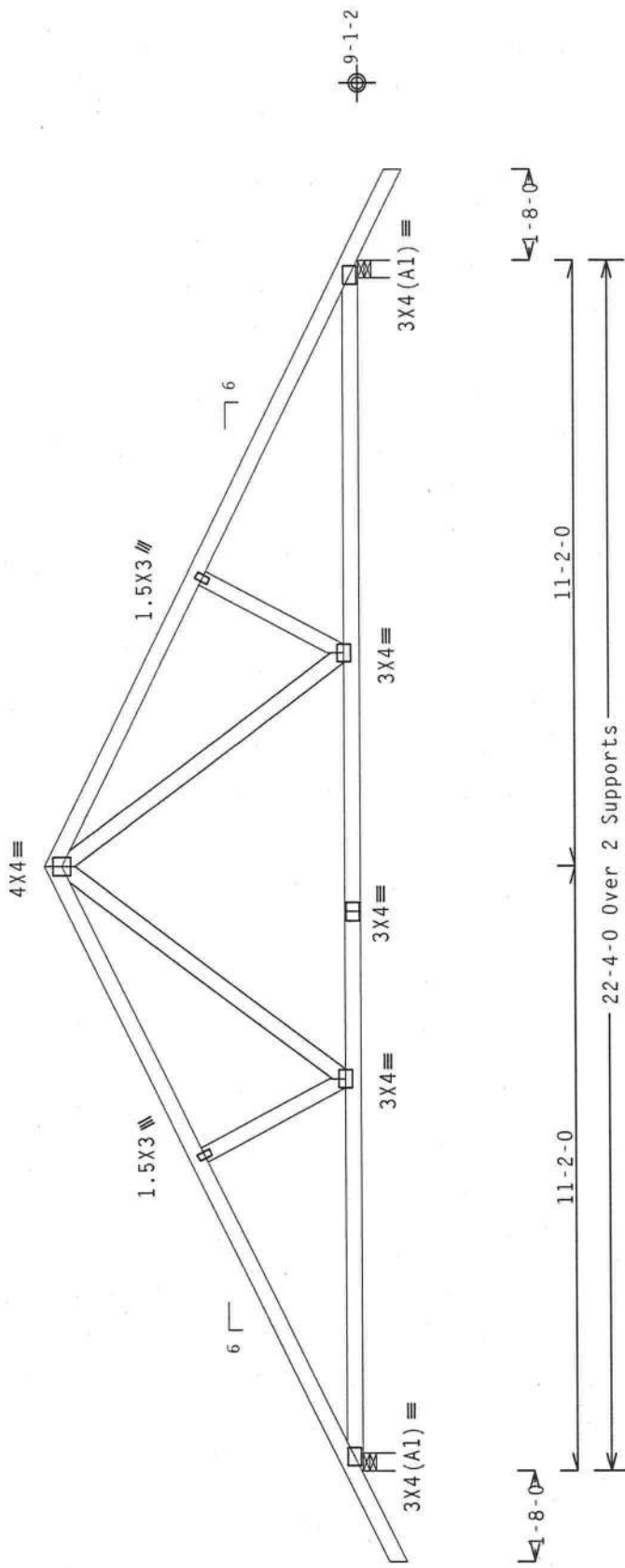
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. $I_w=1.00$ $G_{Cp1}(+/-)=0.18$

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

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



R-1077 U-101 W-4"
RL-149/-149

R=1077 U=101 W=4"

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

Scale = .3125"/Ft.

PLT TYP. Wave

ALPINE

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

****IMPORTANT**** FURNISH THIS DRAWING 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 NICA) for practices prior to performing these functions. Installers shall provide temporary bracing and bottom chord bracing to maintain the truss in its designed position during erection and installation. The truss shall have bracing installed per BCSI sections 83, 87 or B10, as applicable.
IPI Building Components Group Inc. (IPI/BCG) shall not be responsible for any deviation from the design of the truss or 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 face of truss and position as shown above and on the Job. 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 Section 2.2.2. This job is the property of IPI/BCG. IPI: www.ipi.net; NICA: www.nicaindstry.com; IBCI: www.ibcinfo.org

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
11/10/2011

REF	R487 --	1704
DATE	11/10/11	
DRW	HCUSR487	11314006
HC-ENG	JB/DF	*
SEQN	243929	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1UGX487_Z01	

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, Iw=1.00 GCpi (+/-)=0.18

:Stack Chord SC1 2x4 SP #2 Dense:

Right cantilever is exposed to wind

Roof overhang supports 2.00 psf soffit load.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

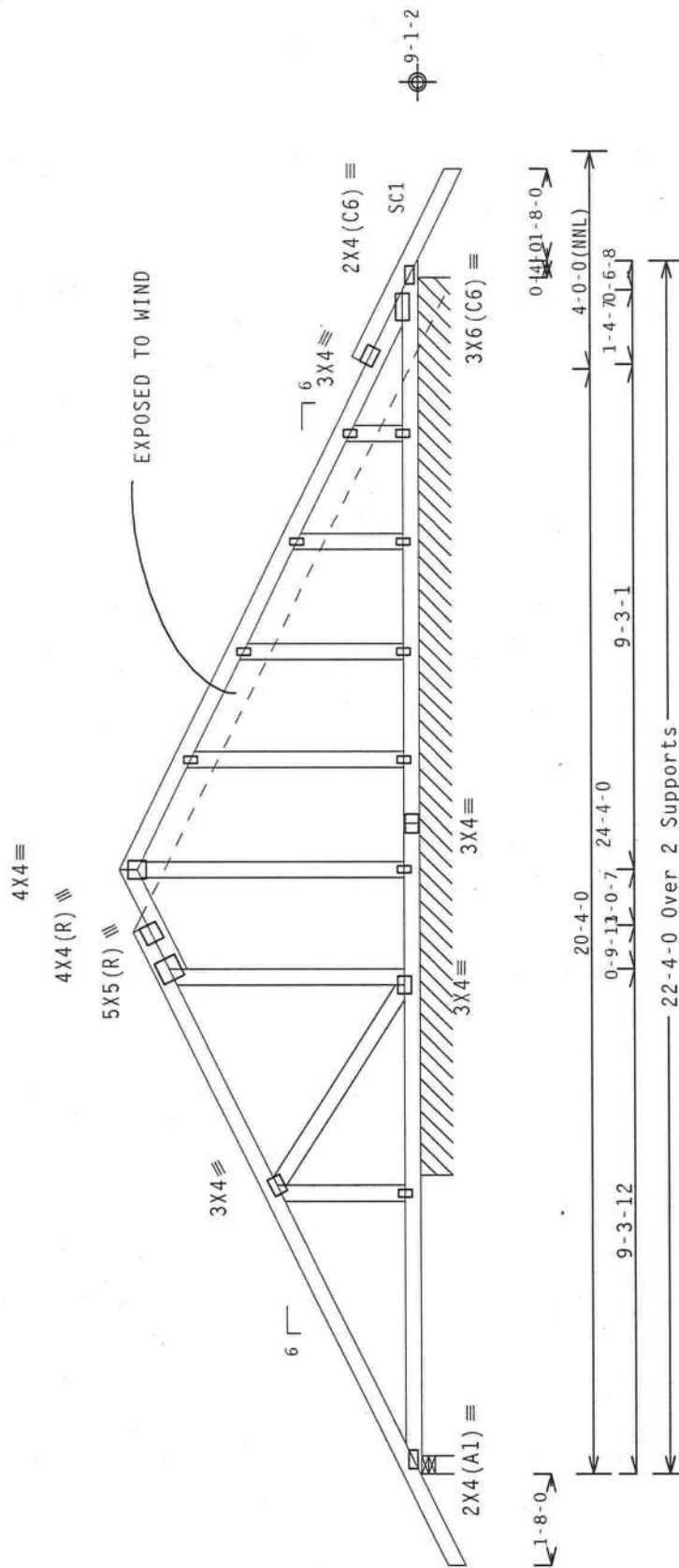
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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

Gable end supports 8" max rake overhang.

Stacked top chord must NOT be notched or cut in area (NML). Attach stacked top chord (SC) to dropped top chord in notchable 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 notchable area using 3x6.



R-474 U=49 W=4"

R=135 PLF U=9 PLF W=16-6-0

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

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

FL/-/4/-/-/R/-
Scale = .3125"/Ft.

0.03.04.0607.16.0TY:

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

Installers require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following information for details regarding installation and bracing. Refer to the product literature for the most edition of RCSS (Building Component Safety Information, by IPI and WICA) for additional instructions prior to performing these functions. Installers shall provide temporary bracing per RCSS practices noted otherwise. Top chord shall have property attached structural sheathing and bottom chord shall have a property attached rigid ceiling. Ceilings shown for permanent lateral restraint shall have bracing installed per CSI sections 83, 87 or 810, as applicable.

[illegible]

ITW Building Components Group Inc.

Haines City FL 33844

FL COA #0278



TC LL	20.0 PSF	REF R487-- 1705
TC DL	10.0 PSF	DATE 11/10/11
BC DL	10.0 PSF	DRW HCUR487 11314012
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 244287
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UGX487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
::Stack Chord SC1 2x4 SP #2 Dense::Stack Chord SC2 2x4 SP #2 Dense:
Roof overhang supports 2.00 psf soffit load.

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.

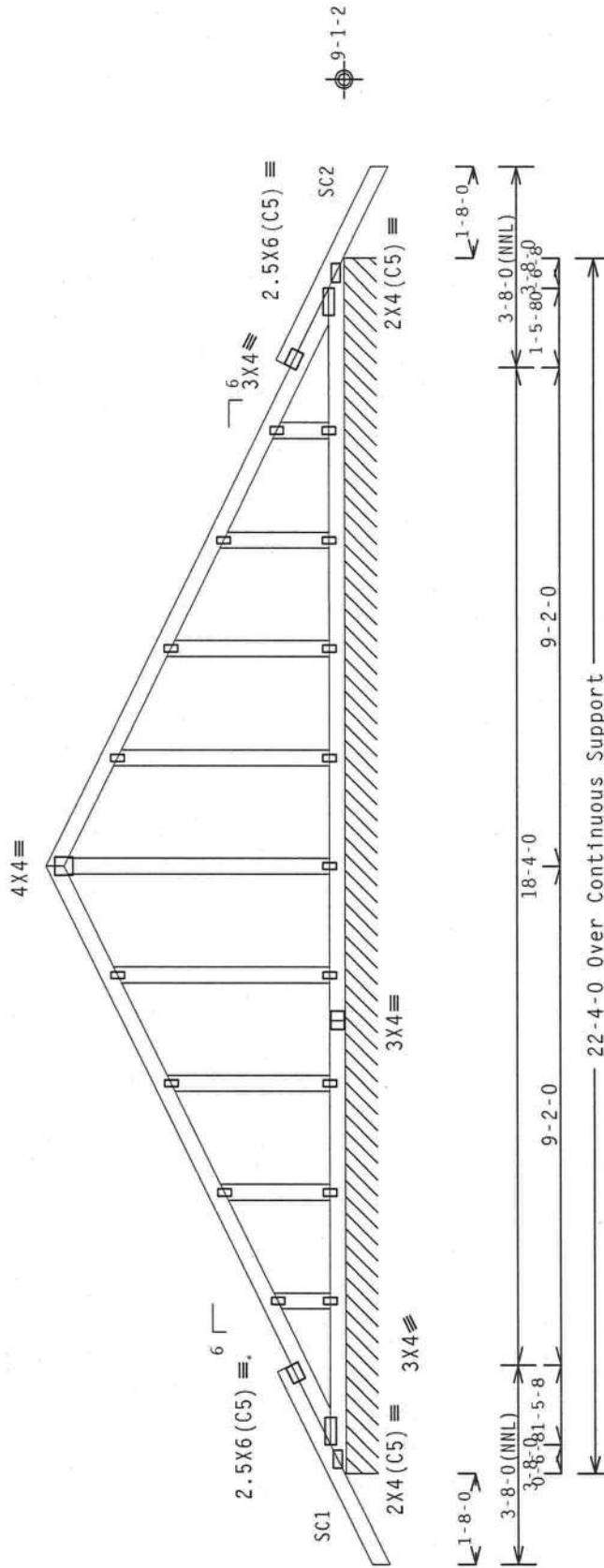
Deflection meets L/180 live and L/120 total load.

Gable end supports 8" max rake overhang.

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. 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 (NIL). 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.



R=121 PLF U=9 PLF W=22-4-0
RL=7/-7 PLF

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

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

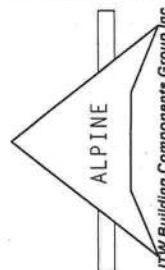
PLT TYP. Wave

FL/-/4/-/-/R/-/- Scale = .3125"/Ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety) Information, by IP1 and WICA for a complete listing of BCSI products and their proper application. Installers shall provide temporary bracing per BCSI instructions. If temporary bracing is not provided, the contractor shall be responsible for any damage to the trusses. If the trusses are damaged, the contractor shall be responsible for the cost of repair. The contractor shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of the trusses shall have bracing installed per BCSI sections B.8/1 or B.10, as applicable.

The Building Components Group Inc. (BUCOG) shall not be responsible for any deviation from the design shown on drawings or specifications for any fabricating, building, trussing, shipping, installation, packing 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 A600-2 for standard plate positions. A seal on the drawing or cover page listing this drafting 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/AISC Sec. 2. The more you know about this job & the responsibility of the building designer per ANSI/AISC Sec. 2, the more you will save. This job's BUCOG: www.bucog.com; TPI: npaints.org; WCA: www.wca-industry.com; 800-355-9374



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



TC LL	20.0	PSF	REF R487-- 1706
TC DL	10.0	PSF	DATE 11/10/11
BC DL	10.0	PSF	DRW HCUR487 11314001
BC LL	0.0	PSF	HC-ENG JB/DF
TOT.LD.	40.0	PSF	SEQN- 244613
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UGX487_Z01

(11-210--Fill in later BRYAN ZECHER/LESTER -- , ** - E1)

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

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

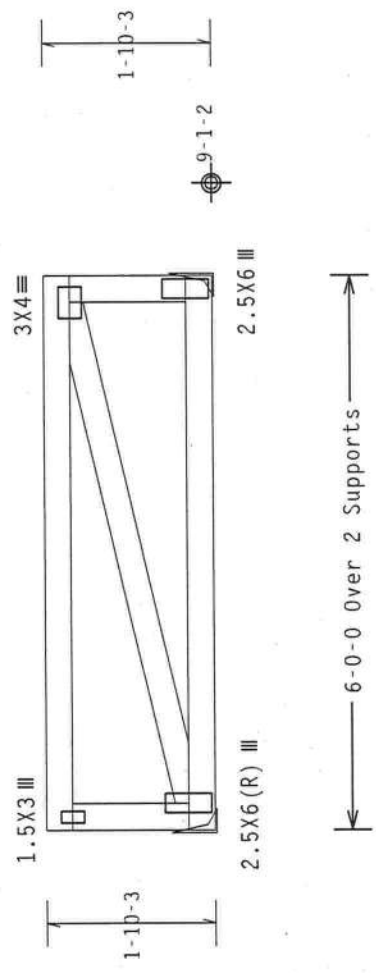
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 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 GCp(+/-)=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.

Truss must be installed as shown with top chord up.



R-240 U-26 H-Simpson LU24
Supported Member Face: (2) 0.148"x1.5" nails
Supporting Member Face: (4) 0.148"x3" nails
Supporting Member #1

R-240 U-26 H-Simpson LU24
Supported Member Face: (2) 0.148"x1.5" nails
Supporting Member Face: (4) 0.148"x3" nails
Supporting Member #1

PLT TYP. Wave		Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=10%(0%) / 0(0)		Scale = .5" / Ft.	
 ALPINE ITW Building Components Group Inc. 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.		FL / - / 4 / - / - / R / -	
		IMPORTANT Trusses require extreme care in fabricating, shipping, installing and bracing. See the following notes and follow the latest edition of the ITW Building Components Group Inc. (ITWBCG) and NCTCA for details, 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 BCST sections B3, B7 or B10, as applicable.		QTY: 10.03 .04 060.16	
		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/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. 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; TPI: www.tpinet.org; NCTCA: www.nctcanet.org; ICC: www.iccsafe.org		No. 66648	
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(11-210--Fill in later BRYAN ZECHER/LESTER -- , ** - E2)

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

End verticals not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Truss must be installed as shown with top chord up.

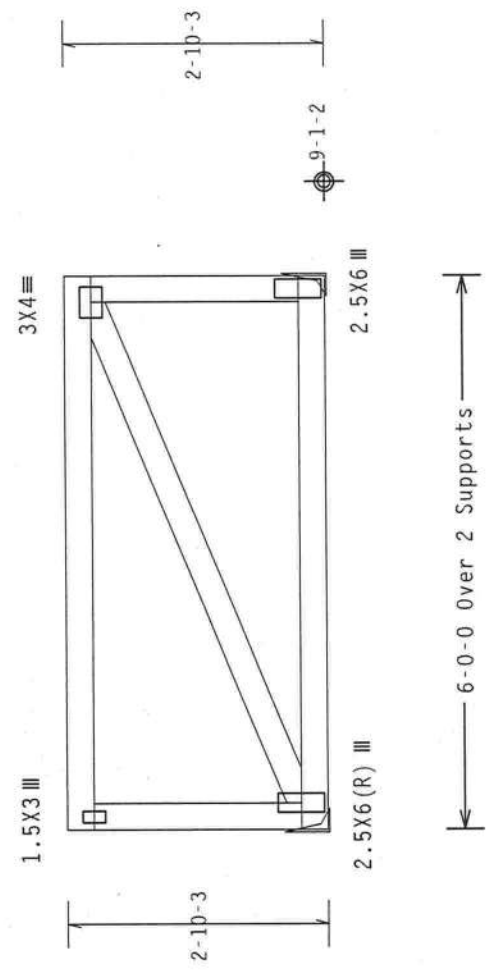
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpi(+/-)=0.18

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

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

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

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



R-240 U-26 H-Simpson LU24
Supported Member Face: (2) 0.148"x1.5" nails
Supporting Member Face: (4) 0.148"x3" nails
Supporting Member: (1) 2x4 SP #1

R-240 U-26 H-Simpson LU24
Supported Member Face: (2) 0.148"x1.5" nails
Supporting Member Face: (4) 0.148"x3" nails
Supporting Member: (1) 2x4 SP #1

PLT TYP. Wave

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

Scale = .5" / Ft.

 ALPINE ntw Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**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 IPI and MICA) 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 wood 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 accordance with the design. The responsibility for proper construction and details is noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal 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/IPI 1 Sec.2. For more information see: This Job's general notes pages: ITW-BG02: www.itwbcg.com; IPI: www.ipiinst.org; MICA: www.bcsimilarity.com; ICC: www.iccsafe.org									
	No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 11/10/2011									
	TC LL	20.0 PSF	REF	R487 - -	1708					
	TC DL	10.0 PSF	DATE	11/10/11						
	BC DL	10.0 PSF	DRW	HCUSR487	11314017					
BC LL	0.0 PSF	HC-ENG	JB/DF	*						
TOT.LD.	40.0 PSF	SEQN-	243906							
DUR.FAC.	1.25									
SPACING	24.0"	JREF-	1UGX487_Z01							

(11-210--Fill in later BRYAN ZECHER/LESTER -- , ** - H3E)

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

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

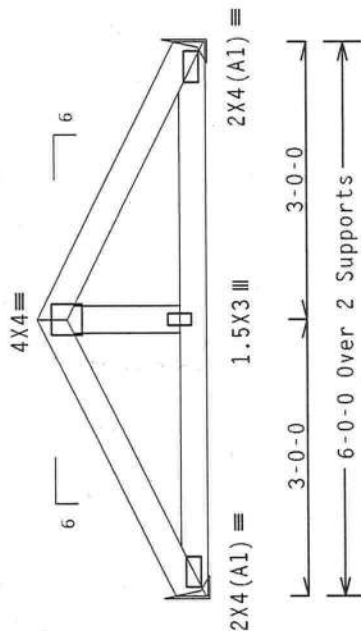
Left side jacks have 3-0-0 setback with 0-0-0 cant and 1-6-0 overhang.
End jacks have 3-0-0 setback with 0-0-0 cant and 1-6-0 overhang.
Right side jacks have 3-0-0 setback with 0-0-0 cant and 1-6-0 overhang.

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.

#1 hip supports 3-0-0 jacks with no webs.

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



R-277 U-20 H-Simpson LU24
Supported Member Face: (2) 0.148"x1.5" nails
Supporting Member Face: (4) 0.148"x3" nails
Supporting Member : (1) 2x4 SP #2 Dense

R-277 U-20 H-Simpson LU24
Supported Member Face: (2) 0.148"x1.5" nails
Supporting Member Face: (4) 0.148"x3" nails
Supporting Member : (1) 2x4 SP #2 Dense

PLT TYP. Wave

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

Scale = .5" / Ft.

FL / - / 4 / - / R / -

QTY

10.08.04.060.16

REF R487-- 1709

DATE 11/10/11

DRW HCUSR487 11314009

HC-ENG JB/DF

SEQN- 244872

JREF- 1UGX487_Z01

ALPINE		Haines City, FL 33844 FL COA #0 278	
R-277 U-20 H-Simpson LU24		Supported Member Face: (2) 0.148"x1.5" nails	
Supporting Member Face: (4) 0.148"x3" nails		Supporting Member : (1) 2x4 SP #2 Dense	
Design Crit: FBC2007Res/TPI-2002 (STD)		FT/RT=10%(0%) / 0(0)	
PLT TYP. Wave		Scale = .5" / Ft.	
REF R487-- 1709		DATE 11/10/11	
DRW HCUSR487 11314009		HC-ENG JB/DF	
SEQN- 244872		JREF- 1UGX487_Z01	

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10.08.04.060.16
11/10/2011

(11-210--Fill in later BRYAN ZECHER/LESTER --, ** - F5F)

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 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.

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

Truss must be installed as shown with top chord up.

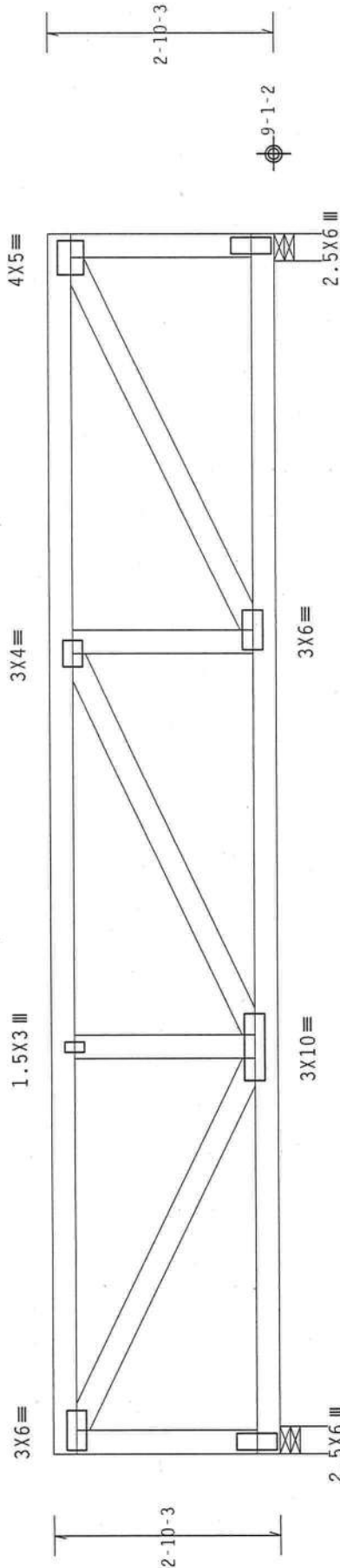
Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 30 plf at 0.00 to 30 plf at 15.17
BC- From 10 plf at 0.00 to 10 plf at 15.17
TC- 125.22 lb Conc. Load at 1.73, 3.73, 5.73, 7.73
9.73, 11.73, 13.73, 14.60
BC- 88.75 lb Conc. Load at 1.73, 3.73, 5.73, 7.73
9.73, 11.73, 13.73, 14.60

End verticals not exposed to wind pressure.

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.



15-2-0 Over 2 Supports

R=1046 U=129 W=4"

R=1273 U=159 W=4"

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

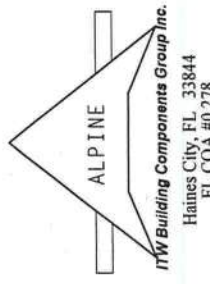
PLT TYP. Wave

Scale = .5" / Ft.

REF	R487--	1710
DATE	11/10/11	
DRW	HCUSR487	11314012
HC-ENG	JB/DF	
SEQN	245181	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1UGX487_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 IPI and NICA) 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 of top chord shall have bracing installed per BCSI sections 83, 87 or 810, 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 or trussing. Apply plates to each end of the top chord and bottom chord in accordance with 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: ITW-BCG: www.itwbcg.com; IPI: www.ipinst.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org



Top chord 2x4 SP #1
Bot chord 2x6 SP M-26
Webs 2x4 SP #3 :W2, W8 2x4 SP M-30:

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 GCpl(+/-)=0.18

End verticals not exposed to wind pressure.

Girder supports 35-2.8 span to BC one face and 2-0-0 span to TC/BC split opposite face.

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

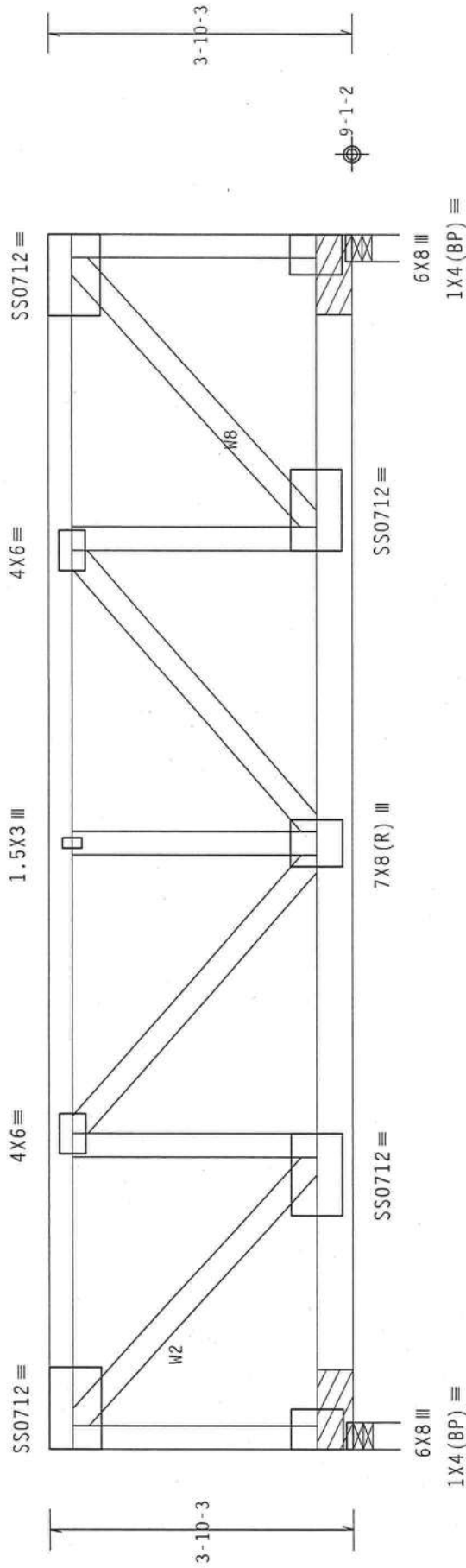
Brig	blocks:0.131"x3" nails	x-loc	#blocks	length/blk	#nails/blk	wall plate
1	0.000'	1	12"	4	Rigid Surface	
2	14.833'	1	12"	4	Rigid Surface	

Brig block to be same size and species as bottom chord.
Refer to drawing CINAILSP0109 for more information.

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

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

Truss must be installed as shown with top chord up.



- 15-2-0 Over 2 Supports

R=5764 II=519 W=4"

R-5764 U-519 W-4"

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

PLT TYP. 18 Gauge HS. Wave

Scale = .5"/Ft.

ALPINE nw Building Components Group Inc. Haines City, FL 33844 FL CO #0 278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.		REF R487 --	1711
	IMPORTANT Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to all drawings, specifications and notes. All truss members must be installed in accordance with the manufacturer's instructions. All trusses shall be installed in accordance with the manufacturer's instructions. All trusses shall be installed in accordance with the manufacturer's instructions.		TC LL	20.0 PSF
	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 BCS sections B3, B7 or B10, as applicable.		TC DL	10.0 PSF
	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 I60A-2 For standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering 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; TPI: www.tpinet.org; NTA: www.ntaindustry.com; ICC: www.iccsafe.org		BC DL	10.0 PSF
			HC - ENG JB/DF	
		TOT.L.D.	40.0 PSF	
		DUR.FAC.	1.25	
		SPACING	24.0"	JREF - 1UGX487_Z01

(11-210--F111 in later BRYAN ZECHER/LESTER -- , ** - 6)

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

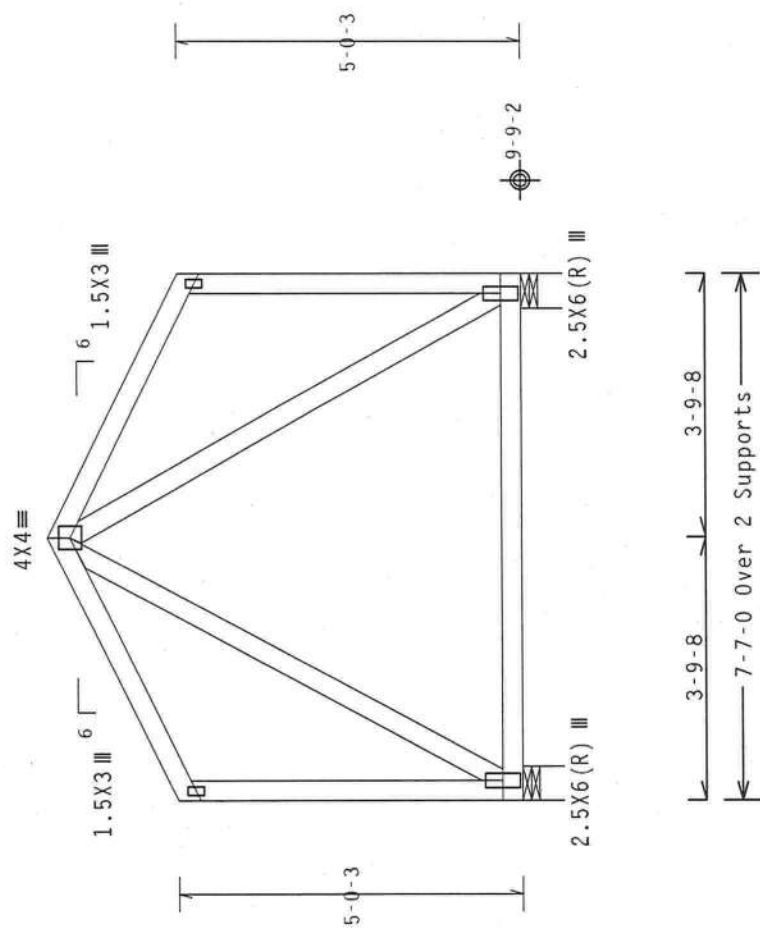
End verticals not exposed to wind pressure.

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

110 mph wind, 15.72 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 GCp1(+/-)=0.18

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

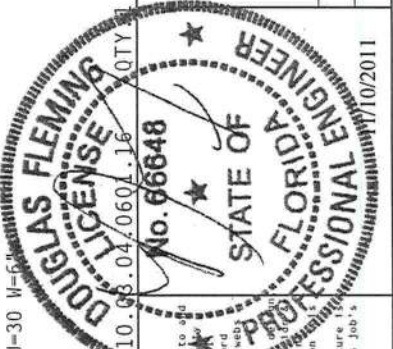
Deflection meets L/240 live and L/180 total load.



R-312 U=30 W=6"
RL=39/-39

R-312 U=30 W=6"

PLT TYP. Wave	Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=10%(0%/0/0)		Scale = .375"/Ft.	
	TC LL	20.0 PSF	REF	R487-- 1712
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	TC DL	10.0 PSF	DATE	11/10/11
	BC DL	10.0 PSF	DRW	HCUSR487 11314027
R-312 U=30 W=6" RL=39/-39	BC LL	0.0 PSF	HC-ENG	JB/DF
	TOT.LD.	40.0 PSF	SEQN-	244008
R-312 U=30 W=6" RL=39/-39	DUR.FAC.	1.25		
	SPACING	24.0"	JREF-	1UGX487_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 WCA) for 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 83, 87 or 810, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the 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 top chord and bottom chord in accordance with 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: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WCA: www.sbcindustry.com; ICC: www.iccsafe.org

(11-210--Fill in later BRYAN ZECHER/LESTER -- , ** - GG)

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

110 mph wind, 15.69 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 GCpf(+/-)=0.18

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

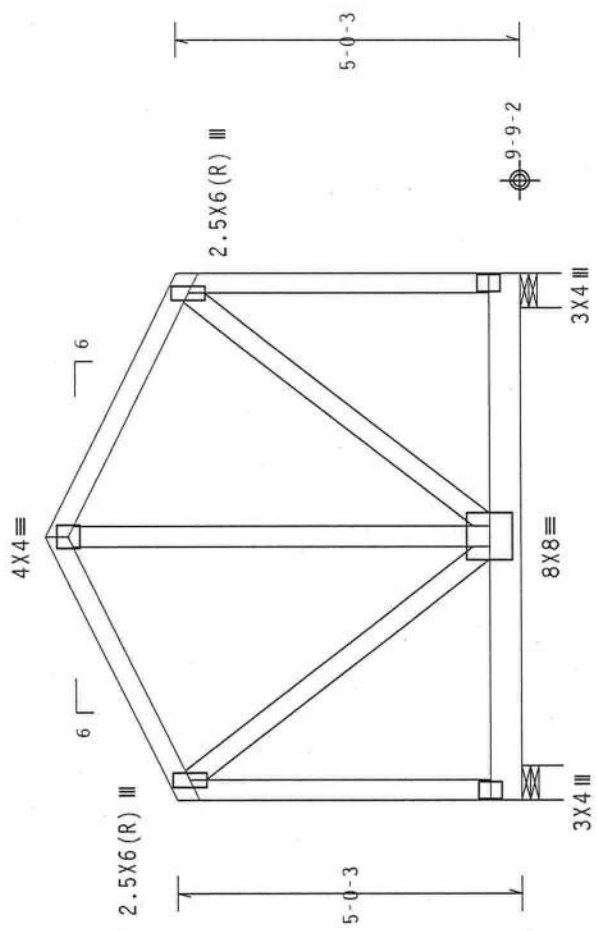
Special loads

----- (Lumber
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 plf at 0.00 to 62 plf at 3.79
TC- From 62 plf at 3.79 to 62 plf at 7.58
BC- From 10 plf at 0.00 to 10 plf at 7.58
PLB- 1321.58 lb Conc. Load at (1.81, 9.80)
PLB- 1408.63 lb Conc. Load at (3.69, 9.80), (5.69, 9.80)

End verticals not exposed to wind pressure.

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

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



3-9-8 3-9-8
7-7-0 Over 2 Supports
R-2356 U-0 W-6"
R-2332 U-0 W-6"

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

PLT TYP. Wave

Scale = .375"/Ft.

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	QTY 1		FL / - / 4 / - / - / R / -	Scale = .375"/Ft.
	REF	R487--	1713	
	DATE	11/10/11		
	DRW	HCUSR487	11314021	
	HC-ENG	JB/DF		
	SEQN-	244574		
JREF- 1UGX487_Z01		SPACING	24.0"	
DUR.FAC.		1.25		
TOT.LD.		40.0 PSF		
BC LL		0.0 PSF		
BC DL		10.0 PSF		
TC DL		10.0 PSF		
TC LL		20.0 PSF		



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****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 NICA) 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 85, 87 or 810, 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/HI 1.1-1.2. The user shall be responsible for the design and use of this design for any structure for which it is used. 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 per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org

(11-210--Fill in later BRYAN ZECHER/LESTER -- , ** - H1)

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

Roof overhang supports 2.00 psf soffit load.

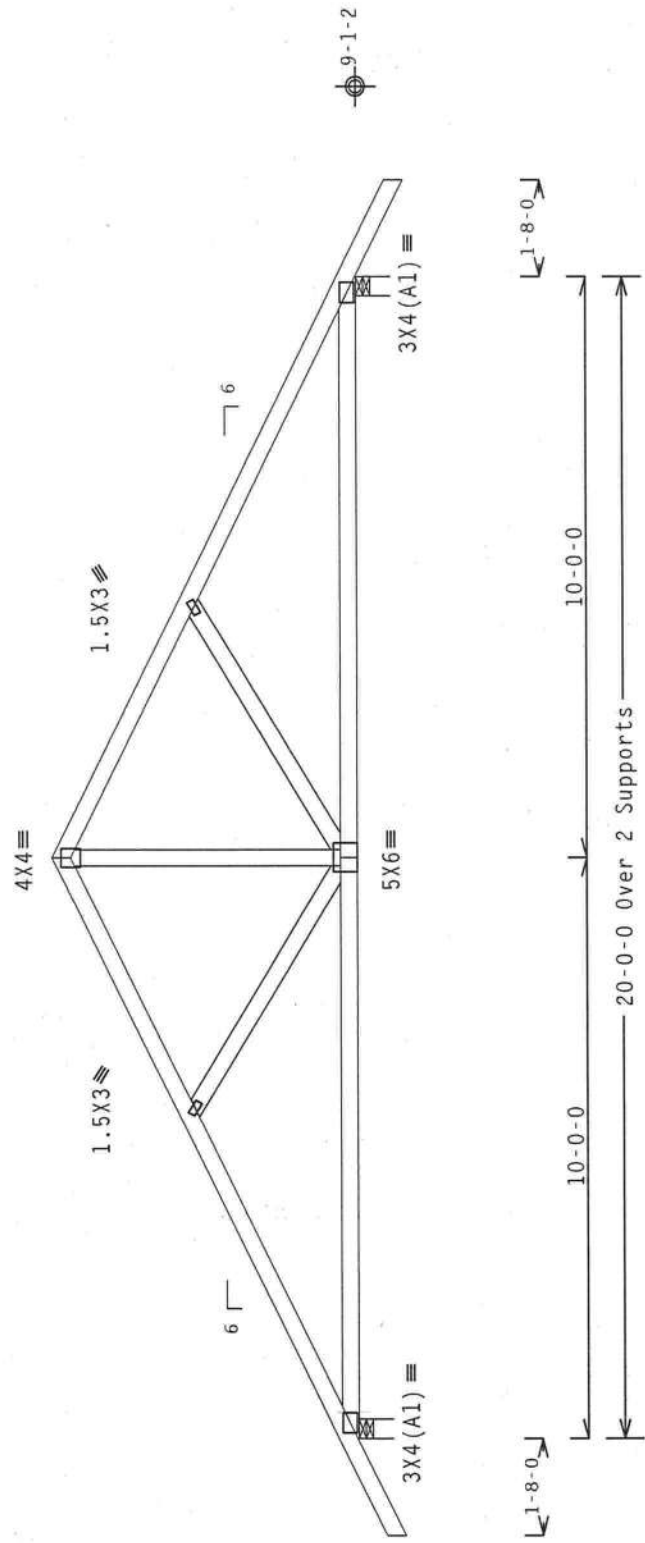
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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. IW=1.00 GCp1(+/-)=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-935 U=0 W=4"
RL-137/-137

R-935 U=0 W=4"

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

PLT TYP. Wave

Scale = .3125"/Ft.

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	PLT TYP. Wave		Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=10%(0%)/0(0)		Scale = .3125"/Ft.	
	R-935 U=0 W=4" RL-137/-137		20'-0" over 2 Supports		10'-0" 10'-0" 10'-0" 10'-0"	
	10'-0" 10'-0" 10'-0" 10'-0"		10'-0" 10'-0" 10'-0" 10'-0"		10'-0" 10'-0" 10'-0" 10'-0"	
	10'-0" 10'-0" 10'-0" 10'-0"		10'-0" 10'-0" 10'-0" 10'-0"		10'-0" 10'-0" 10'-0" 10'-0"	
	10'-0" 10'-0" 10'-0" 10'-0"		10'-0" 10'-0" 10'-0" 10'-0"		10'-0" 10'-0" 10'-0" 10'-0"	
	10'-0" 10'-0" 10'-0" 10'-0"		10'-0" 10'-0" 10'-0" 10'-0"		10'-0" 10'-0" 10'-0" 10'-0"	
TYP. 1		FL / - / 4 / - / R / -		TC LL 20.0 PSF		REF R487-- 1714
10.8.04.0601.15		10.8.04.0601.15		TC DL 10.0 PSF		DATE 11/10/11
No. 66848		No. 66848		BC DL 10.0 PSF		DRW HCUSR487 11314032
DOUGLAS FLEMING		DOUGLAS FLEMING		BC LL 0.0 PSF		HC-ENG JB/DF
LICENSE		LICENSE		TOT.LD. 40.0 PSF		SEQN- 244881
STATE OF FLORIDA		STATE OF FLORIDA		DUR.FAC. 1.25		JREF- 1UGX487_Z01
PROFESSIONAL ENGINEER		PROFESSIONAL ENGINEER		SPACING 24.0"		
11/10/2011		11/10/2011				

(11-210--F111 in later BRYAN ZECHER/LESTER -- , ** - H)

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

Roof overhang supports 2.00 psf soffit load.

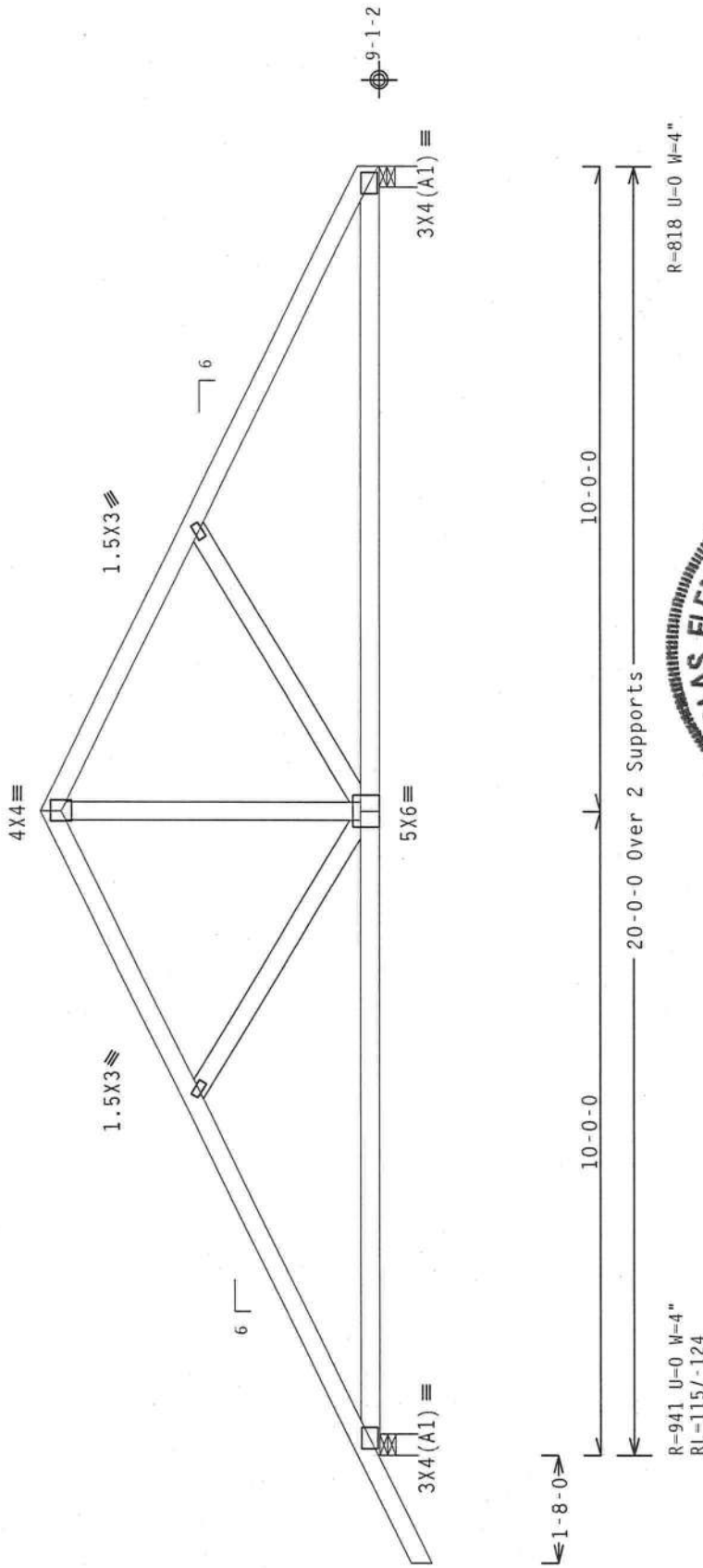
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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 GCpl(+/-)-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.

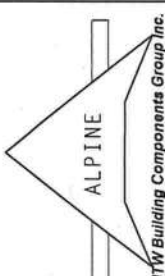


Design Crit: FBC2007Res/TPI-2002 (STD)

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

PLT TYP. Wave

Scale = .375"/Ft.

 ALPINE Haines City, FL 33844 FL COA #0278 iTW Building Components Group Inc.	**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 full truss design and specifications for details. Trusses are to be installed in accordance with the manufacturer's instructions and practices prior to performing these functions. Installers shall provide temporary bracing per specifications. Trusses shall be installed in accordance with the manufacturer's instructions and practices. 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 web shall have bracing installed per BCSS sections B3, B7 or B10, as applicable.		No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 11/10/2011		TC LL	20.0 PSF	REF R487--	1715
									TC DL	10.0 PSF	DATE	11/10/11
									BC DL	10.0 PSF	DRW	HCUSR487 11314029
									BC LL	0.0 PSF	HC-ENG	JB/DF *
									TOT.LD.	40.0 PSF	SEQN-	244878
									DUR.FAC.	1.25		
								SPACING	24.0"	JREF-		1UGX487_Z01

****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 NICA) 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 restriction of web shall have bracing installed per BCSI sections B2, B7 or B10, as applicable.
TPI Building Components Group Inc. (TPI/BCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1 for handling, shipping, installing and bracing. Details, unless noted otherwise, refer to drawings 1600-2 for standard plate positions. A seal, 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: general notes page; TPI-BCG: www.tpi-bcg.com; TPI: www.tpinet.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org

(11-210--Fill in later BRYAN ZECHER/LESTER --, ** - HG)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP M-26
Webs 2x4 SP #3 :W5 2x4 SP #2 Dense:
:Rt Wedge 2x8 SP #1 Dense:

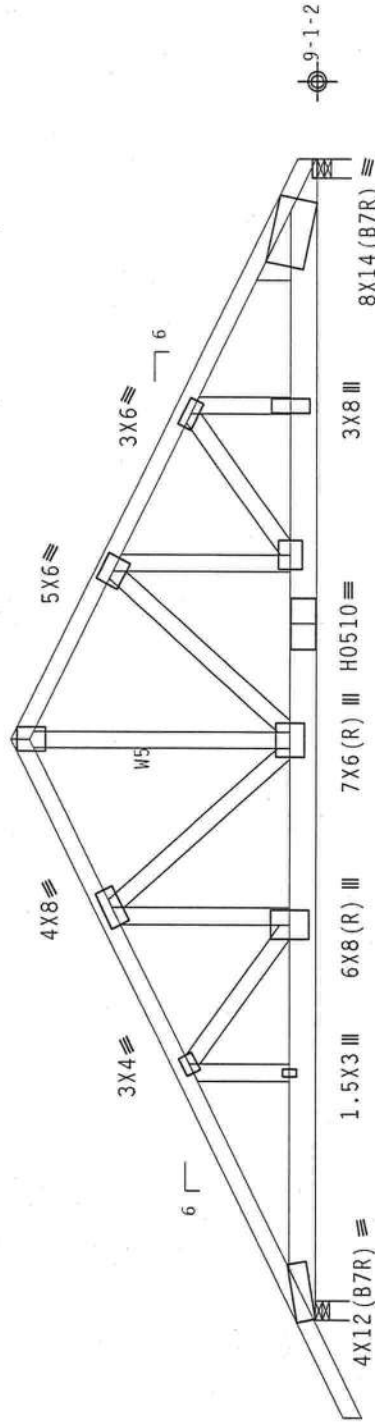
Special loads

----- (Lumber
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 p1f at -1.67 to 62 p1f at 7.06
TC- From 31 p1f at 7.06 to 31 p1f at 10.00
TC- From 62 p1f at 10.00 to 62 p1f at 20.00
BC- From 4 p1f at -1.67 to 4 p1f at 0.00
BC- From 20 p1f at 0.00 to 20 p1f at 7.06
BC- From 10 p1f at 7.06 to 10 p1f at 12.00
BC- From 10 p1f at 12.00 to 10 p1f at 20.00
BC- 5030.42 lb Conc. Load at 7.06
BC- 1734.69 lb Conc. Load at 9.06
BC- 1739.84 lb Conc. Load at 11.06, 13.06
BC- 1707.86 lb Conc. Load at 15.06
BC- 1712.02 lb Conc. Load at 17.06
BC- 1716.17 lb Conc. Load at 19.06

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3" nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, 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 GCpf(+/-)-0.18
Wind loads and reactions based on MMFRS with additional C&C member design.
Roof overhang supports 2.00 psf soffit load.
Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load.

5X6 (R) III



5X6=

1X4 (BP) =

L1-8-0

10-0-0

10-0-0

20-0-0 Over 2 Supports

R-7163 U-694 W-4"
RL=115/-124

R-9754 U-472 W-4"

PLT TYP. 20 Gauge HS, Wave

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

Scale = .3125"/Ft.

ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**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 IPI and HICA for details and practices prior to performing these functions. Installers shall provide temporary bracing per BCSI details, unless noted otherwise. Refer to drawings 160A-2 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; ITH-BCSI: www.ithbcg.com; TPI: www.tpiinst.org; HICA: www.bcsiindustry.com		**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! TPI Building Components Group Inc. (ITHBCG) shall not be responsible for any deviation from the design shown. The truss is to be installed in accordance with the BCSI details and the ITHBCG 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 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; ITH-BCSI: www.ithbcg.com; TPI: www.tpiinst.org; HICA: www.bcsiindustry.com	
	PLT TYP. 20 Gauge HS, Wave	Design Crit: FBC2007Res/TPI-2002 (STD)	FT/RT=10%(0%)/0(0)	Scale = .3125"/Ft.
				REF R487-- 1716
				DATE 11/10/11
				DRW HCUSR487 11314017
FLORIDA STATE OF PROFESSIONAL ENGINEER DOUGLAS FLEMING LICENSE No. 66648 10.06.04/0602.16	10-0-0		FL/-/4/-/R/-	
	10-0-0		20-0-0 Over 2 Supports	
	10-0-0		1X4 (BP) =	
5X6=		8X14 (B7R) =		TC LL 20.0 PSF
1.5X3 III		7X6 (R) III		TC DL 10.0 PSF
6X8 (R) III		3X8 III		BC DL 10.0 PSF
4X8=		5X6=		BC LL 0.0 PSF
3X4=		3X6=		TOT.LD. 40.0 PSF
4X12 (B7R) =		1X4 (BP) =		DUR.FAC. 1.25
4X12 (B7R) =		1X4 (BP) =		SPACING 24.0"

(11-210--Fill) in later BRYAN ZECHER/LESTER -- ** - C31)

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

Roof overhang supports 2.00 psf soffit load.

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

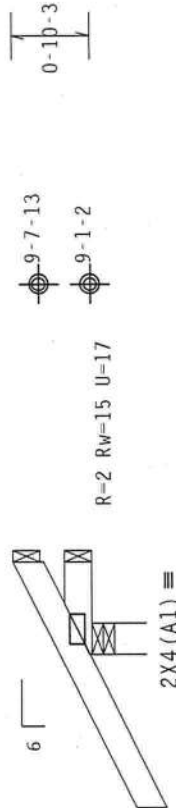
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, 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=-72 RW=31 U=51



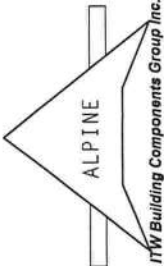
1-8-0-0
1-0-0 Over 3 Supports

R=287 U=59 W=4"
RL=30/-24

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

PLT TYP. Wave

Scale =.5"/Ft.

 Haines City, FL 33844 FL COA #0 278	PLT TYP. Wave		Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=10%(0%)/0(0)		10.03.04.0601.16		QTY: 2		FL/-/4/-/-/R/-		REF R487-- 1717	
	1-8-0-0		1-0-0 Over 3 Supports		R=287 U=59 W=4"		RL=30/-24		R=-72 RW=31 U=51		DATE 11/10/11	
	Top chord 2x4 SP #2 Dense		Bot chord 2x4 SP #2 Dense		Roof overhang supports 2.00 psf soffit load.		Bottom chord checked for 10.00 psf non-concurrent live load.		Deflection meets L/240 live and L/180 total load.		DRW HCUSR487 11314015	
	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.		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.		11W Building Components Group Inc.		HC-ENG JB/DF		SEQN- 244902	
	11W Building Components Group Inc.		Haines City, FL 33844		FL COA #0 278		DUR.FAC. 1.25		SPACING 24.0"		JREF- 1UGX487_Z01	

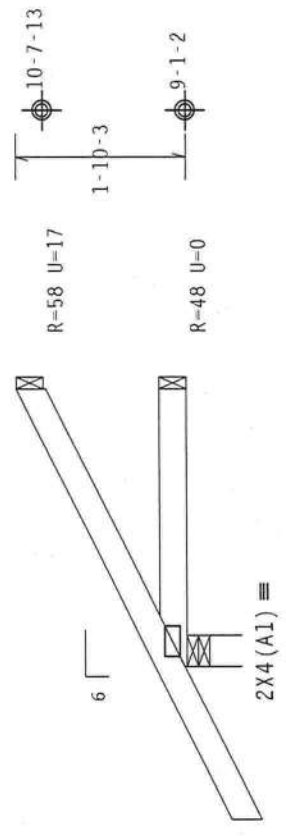


11W Building Components Group Inc.		Haines City, FL 33844		FL COA #0 278	
11W Building Components Group Inc.		Haines City, FL 33844		FL COA #0 278	
11W Building Components Group Inc.		Haines City, FL 33844		FL COA #0 278	
11W Building Components Group Inc.		Haines City, FL 33844		FL COA #0 278	
11W Building Components Group Inc.		Haines City, FL 33844		FL COA #0 278	

(11-210--Fill in later BRYAN ZECHER/LESTER -- , ** - CJ3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Roof overhang supports 2.00 psf soffit load.
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, 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.



1-8-0
3-0-0 Over 3 Supports
R-279 U-29 W-4"
RL-53/-29

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

PLT TYP. Wave	Scale = 5" / Ft.	
	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
ALPINE Haines City, FL 33844 FL COA #0 278	DUR.FAC.	1.25
	SPACING	24.0"
	JREF	1UGX487_Z01
Douglas Fleming LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 11/10/2011		
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 and practices prior to performing these functions. Installers shall provide temporary bracing per details 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/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown on the drawing. Details, 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; TPI: www.tpinet.org; WCA: www.sbcindustry.com; ICC: www.iccsafe.org		

(11-210--F111 in later BRYAN ZECHER/LESTER -- , ** - CJS)

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

Roof overhang supports 2.00 psf soffit load.

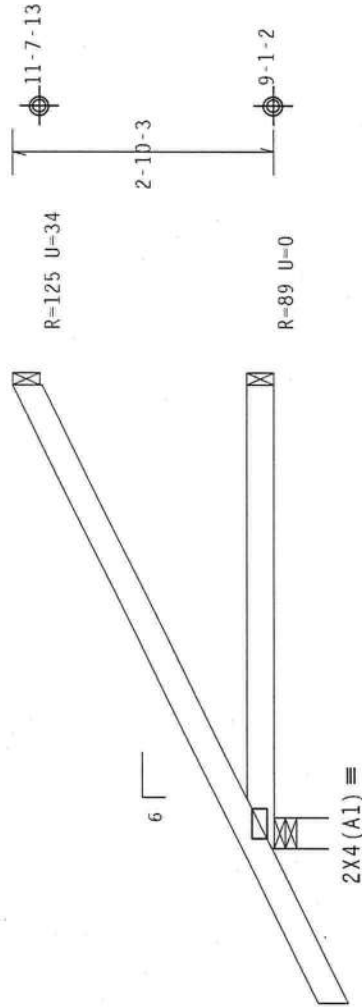
Bottom chord checked for 10.00 psf non-concurrent live load.

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 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.

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



1-8-0
5-0-0 Over 3 Supports
R=346 U=27 W=4"
RL=77/-34

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	No. 66648		★		★				
	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 NICA for details and 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/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 1608-2 for standard plate positions. A seal on drawing or cover page listing this drawing, indicates acceptance of professional engineering services by the Building Designer. The Building Designer shall be responsible for the structure and 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.tpinet.org; NICA: www.bcsiindustry.com; ICC: www.iccsafe.org								
	READ AND FOLLOW ALL NOTES ON THIS SHEET!								
	FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.								
REF R487-- 1719		DATE 11/10/11		DRW HCUSR487 11314010		HC-ENG JB/DF		SEQN- 243841	
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"		JREF - 1UGX487_Z01					

(11-210--Fill in later BRYAN ZECHER/LESTER -- , ** - EJ5)

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

Roof overhang supports 2.00 psf soffit load.

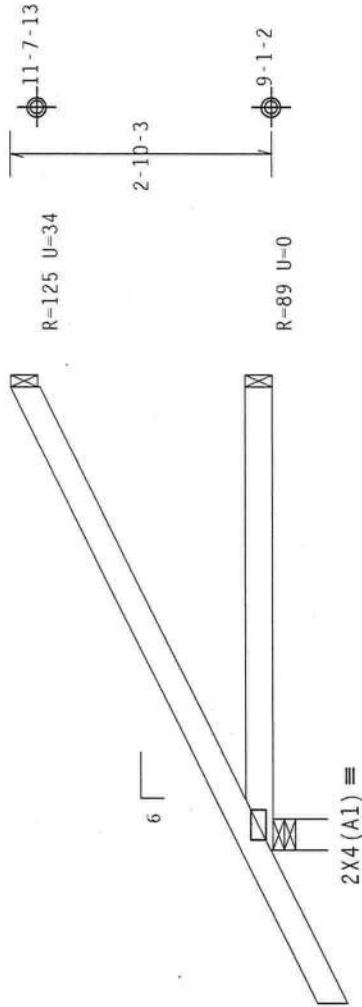
Bottom chord checked for 10.00 psf non-concurrent live load.

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 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 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.



1-8-0
5-0-0 Over 3 Supports
R-346 U=27 W=4"
RL=77/-34

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

PLT TYP. Wave

Scale = .5" / Ft.

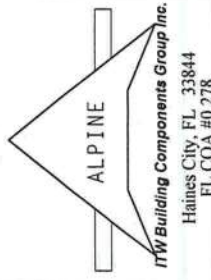
TC LL	20.0 PSF	REF	R487--	1720
TC DL	10.0 PSF	DATE	11/10/11	
BC DL	10.0 PSF	DRW	HCUSR487	11314015
BC LL	0.0 PSF	HC-ENG	JB/DF	
TOT.LD.	40.0 PSF	SEQN-	243841	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UGX487_Z01	



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 NICA for details and 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 85, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from installation 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 section of truss in accordance with the details shown in the drawing or cover page listing this design shown. 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: ITN-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.bcsiindustry.com; ICC: www.iccsafe.org



(11-210--Fill in later BRYAN ZECHER/LESTER -- , ** - E07)

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

Roof overhang supports 2.00 psf soffit load.

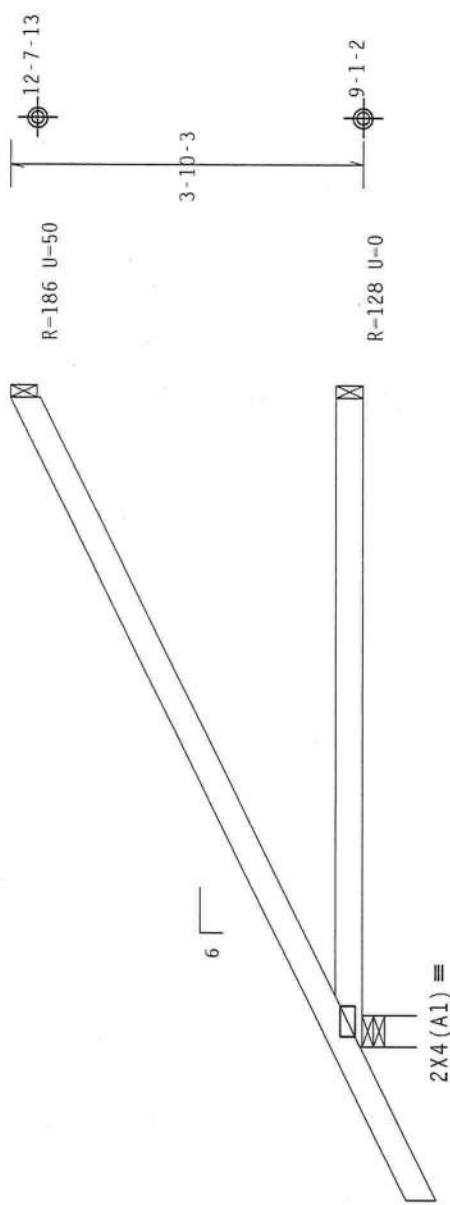
Bottom chord checked for 10.00 psf non-concurrent live load.

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 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 MMFRS 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.



1-8-0
7-0-0 Over 3 Supports
R-422 U-27 W-4
RL-100/-40

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

PLT TYP. Wave	ALPINE n/w Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	10.08.04/0604.18 QTY 21	FL / - / 4 / - / - / R / -	Scale = .5" / 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. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and NICA) for bracing practices prior to performing these functions. Installers shall provide temporary bracing per BCSI details, unless noted otherwise. Top chords shall have properly attached structural sheathing and bottom chords shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.		TC LL	20.0 PSF	REF R487 -- 1721
TPI Building Components Group, Inc. (TIBCG) shall not be responsible for any deviation from the details shown on this drawing. The user of this drawing shall be responsible for the design and the bracing of trusses. Apply plates to each face of truss and position as shown above and on the job. 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: This job's general notes page; TIB-BCG: www.tibcg.com; TPI: www.tpiinst.org; NICA: www.socindustry.com; IBC: www.iccsafe.org		TC DL	10.0 PSF	DATE 11/10/11
		BC DL	10.0 PSF	DRW HCUSR487 11314011
		BC LL	0.0 PSF	HC-ENG JB/DF
		TOT.LD.	40.0 PSF	SEQN- 243844
		DUR.FAC.	1.25	
		SPACING	24.0"	JREF- 1UGX487_Z01

(11-210--Fill in later BRYAN ZECHER/LESTER -- ** - HJ7)

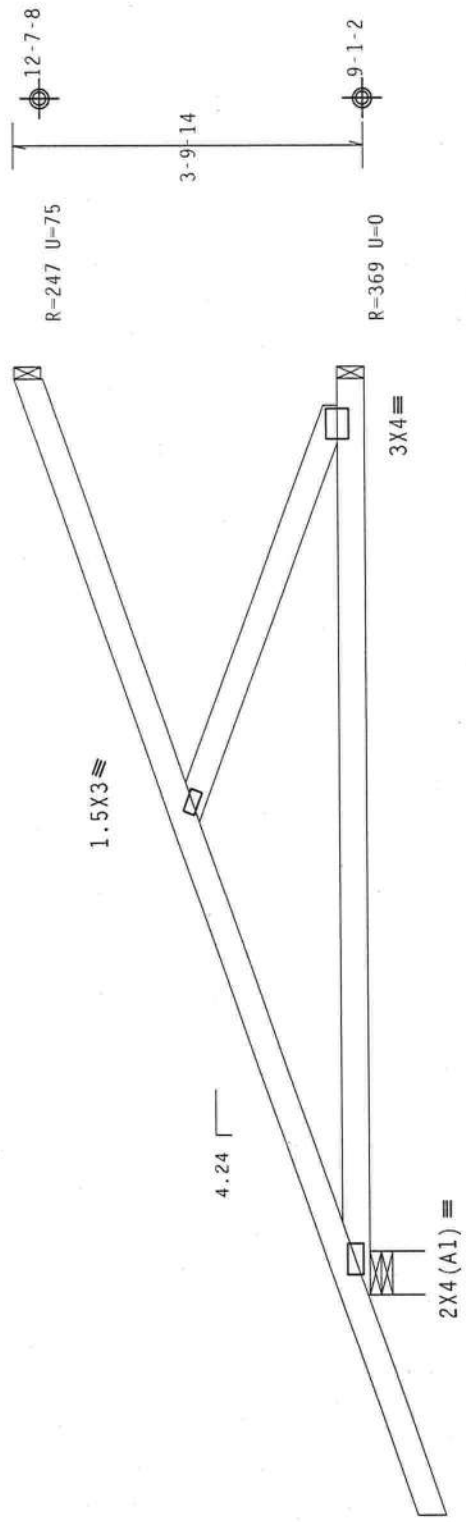
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Hipjack supports 7-0-0 setback jacks with no webs.
Deflection meets L/240 live and L/180 total load.

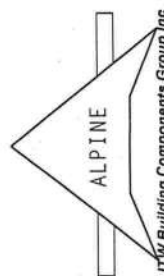
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0
psf. IW=1.00 GCpi (+/-)=0.18

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



2-4-5 → 9-10-13 Over 3 Supports →
R=486 U=60 W=5.657"



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

PLT TYP. Wave

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

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

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R487-- 1722
TC DL	10.0 PSF	DATE	11/10/11
BC DL	10.0 PSF	DRW	HCUSR487 11314020
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN-	243850
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UGX487_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 safety practices prior to performing these functions. Installers shall provide temporary bracing per details. 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 or webs 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 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 details, unless noted otherwise. Refer to drawing for details. ITWBCG shall not be responsible for 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.tpinet.org; WCA: www.sbctndustry.com; ECC: www.lccsafe.org

Douglas Fleming
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
11/10/2011

(11-210--Fill in later BRYAN ZECHER/LESTER -- , ** - CJ5T)

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

Roof overhang supports 2.00 psf soffit load.

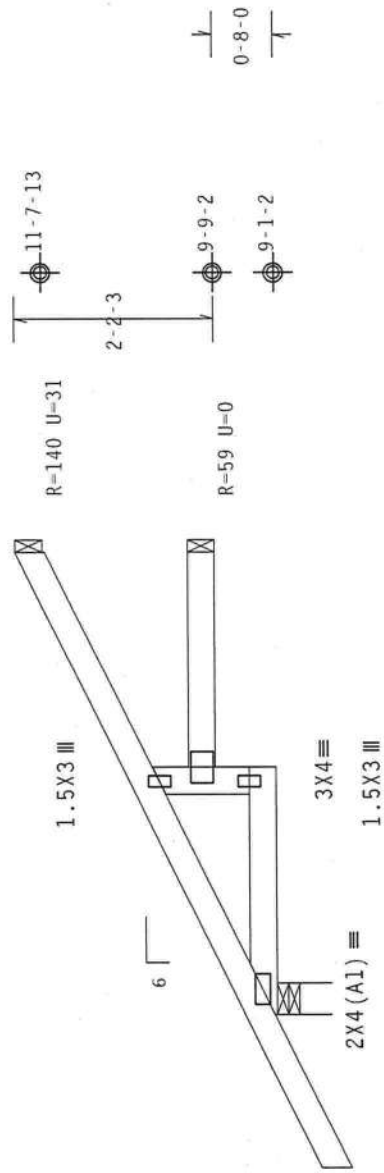
Bottom chord checked for 10.00 psf non-concurrent live load.

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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

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

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



1-8-0

2-8-0
5-0-0 Over 3 Supports
2-4-0

R-346 U=28 W=4"
RL-77/-34

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

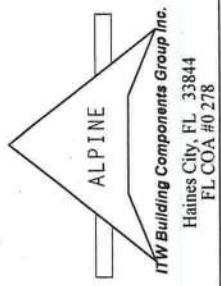
PLT TYP. Wave

FL / - / 4 / - / - / R / -	Scale = .5" / Ft.
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"

REF	R487--	1724
DATE	11/10/11	
DRW	HCUSR487	11314002
HC-ENG	JB/DF	*
SEQN-	243859	
JREF-	1UGX487_Z01	



****HARNING**** 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. Refrain from making any modifications to the design without the approval of the designer. Follow the latest edition of BCS1 (Building Component 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 BCS1 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/TPI 1, or for handling, shipping, installation, bracing of trusses. Apply plates to each face of trussing positioned as shown on the drawing. Details, unless noted otherwise, shall be in accordance with the latest edition of BCS1. 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.tpinet.org; WCA: www.bcsindustry.com; ICC: www.iccsafe.org



(11-210--Fill in later BRYAN ZECHER/LESTER -- , ** - CJ7T)

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

Roof overhang supports 2.00 psf soffit load.

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

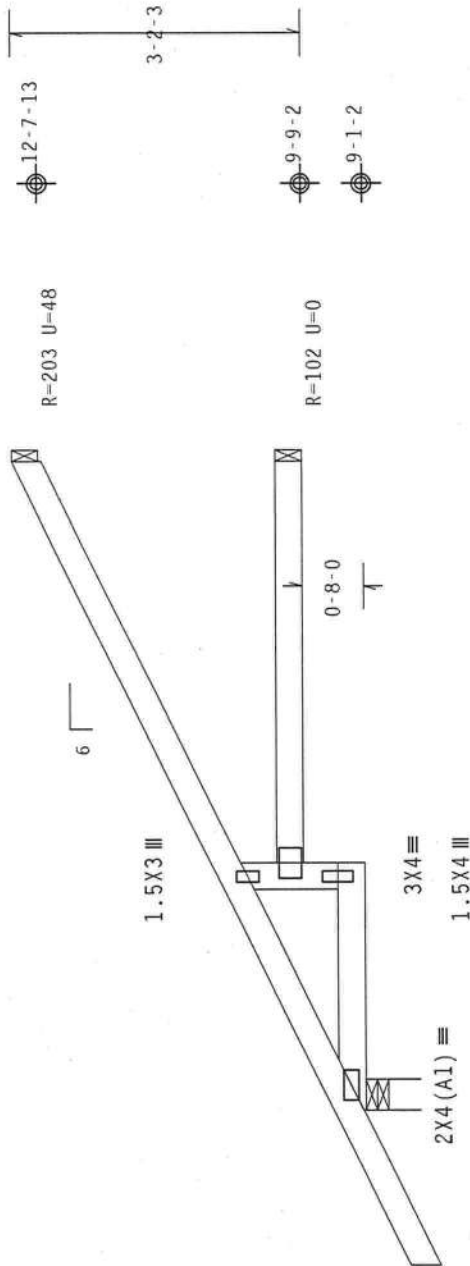
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 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.

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.



1-8-0

2-8-0 7-0-0 Over 3 Supports 4-4-0

R=421 U=28 W=4"
RL=100/-40

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

PLT TYP. Wave

Scale = .5" / Ft.

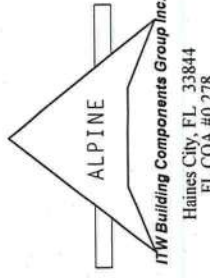
FL / - / 4 / - / - / R / -

REF R487 -- 1725
DATE 11/10/11
DRW HCUSR487 11314003
HC-ENG JB/DF
SEQN - 243863
JREF - 1UGX487_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 NICA) 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 93, 97 or 910, 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, or bracing of trusses. Apply plates and bracing as shown on this drawing. 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: ITW-BCG: www.itwbcg.com; IPI: www.tpinet.org; NICA: www.bcsiindustry.com; ICC: www.iccsafe.org



(11-210--Fill in later BRYAN ZECHER/LESTER -- , ** - EJ9T)

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

Roof overhang supports 2.00 psf soffit load.

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.

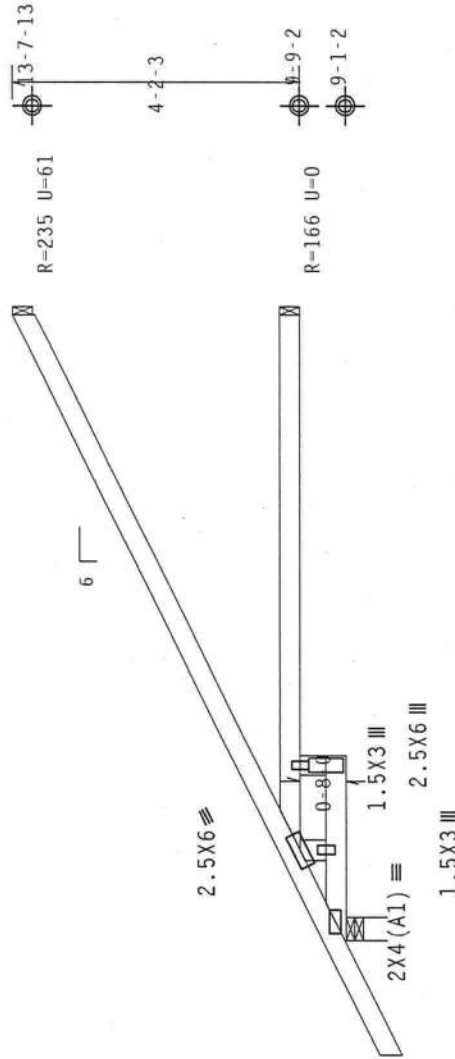
Laterally brace Bottom Chord above filler at 24" oc,
including a lateral brace at chord ends.

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. 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.



1'-8-0"

1'-3-8" 1'-4-8" 6'-4-0"

R-500 U=28 W=4"
RL=123/-45

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 FL COA #0 278	**IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, unloading, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety) Information, B7 (TPI and NICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per drawing 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 web 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 or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Details, unless noted otherwise. Refer to drawings 160A-2 For standard plate positions. A seal on drawing cover page listing this drawing, indicates that the drawing is a copy of the original. The responsibility of the Building Designer per BCSI section B1, Sec-2. For more information see: This job's general notes and IBCG: www.itwbcg.com; TPI: www.tpiinst.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org		No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 11/10/2011
	TC LL	20.0 PSF	REF R487-- 1726
	TC DL	10.0 PSF	DATE 11/10/11
	BC DL	10.0 PSF	DRW HCUSR487 11314007
	BC LL	0.0 PSF	HC-ENG JB/DF
	TOT.LD.	40.0 PSF	SEQN- 243871
	DUR.FAC.	1.25	
	SPACING	24.0"	JREF- 1UGX487_Z01

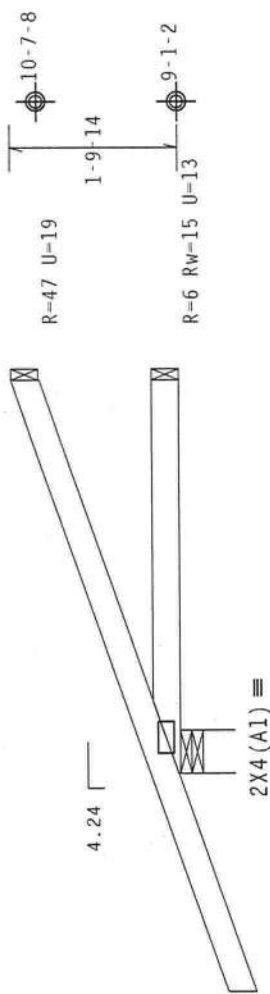


(11-210--Fill in later BRYAN ZECHER/LESTER -- , ** - HJ3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
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.
HipJack supports 3-0-0 setback Jacks with no webs.
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
-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 0 pif at -2.36 to 61 pif at 0.00
TC- From 2 pif at 0.00 to 2 pif at 4.24
BC- From 0 pif at -2.36 to 4 pif at 0.00
BC- From 2 pif at 0.00 to 2 pif at 4.24
TC- -55.78 lb Conc. Load at 1.48
BC- 4.99 lb Conc. Load at 1.48

Roof overhang supports 2.00 psf soffit load.
Deflection meets L/240 live and L/180 total load.

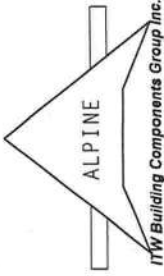


← 2-4-5 →
← 4-2-15 Over 3 Supports →
R-249 U=111 W=5.657"

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

PLT TYP. Wave

Scale =.5"/Ft.

 ALPINE iTW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 11/10/2011		QT 2	FL/-/4/-/-/R/-	REF R487-- 1727
	TC LL	20.0 PSF	TC DL	10.0 PSF	DATE 11/10/11
	BC DL	10.0 PSF	BC LL	0.0 PSF	DRW HCUSR487 11314033
	TOT.LD.	40.0 PSF	DUR.FAC.	1.25	HC-ENG JB/DF
	SPACING	24.0"	JREF	1UGX487_Z01	SEQN- 243948

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 drawings for details and specifications. The installer shall provide temporary bracing per the drawings. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections 83, 87 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, or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 1000-2 for standard plate and fastener details. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: IIN-BG: www.iinbg.com; TPI: www.tpinet.org; NICA: www.sbctndustry.com; ICC: www.iccsafe.org

(11-210--Fill in later BRYAN ZECHER/LESTER -- , ** - EJ3)

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

Roof overhang supports 2.00 psf soffit load.

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

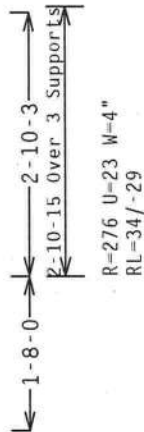
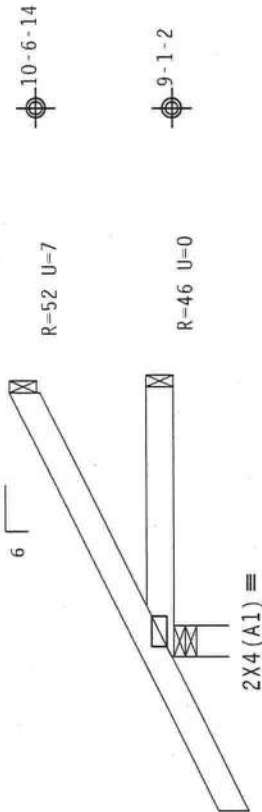
Deflection meets L/240 live and L/180 total load.

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 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.

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



PLT TYP. Wave

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

Scale =.5"/Ft.

TC LL	20.0 PSF	FL/-/4/-/-/R/-	REF R487--1728
TC DL	10.0 PSF		DATE 11/10/11
BC DL	10.0 PSF		DRW HCUSR487 11314031
BC LL	0.0 PSF		HC-ENG JB/DF
TOT.LD.	40.0 PSF		SEQN- 243877
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UGX487_Z01

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

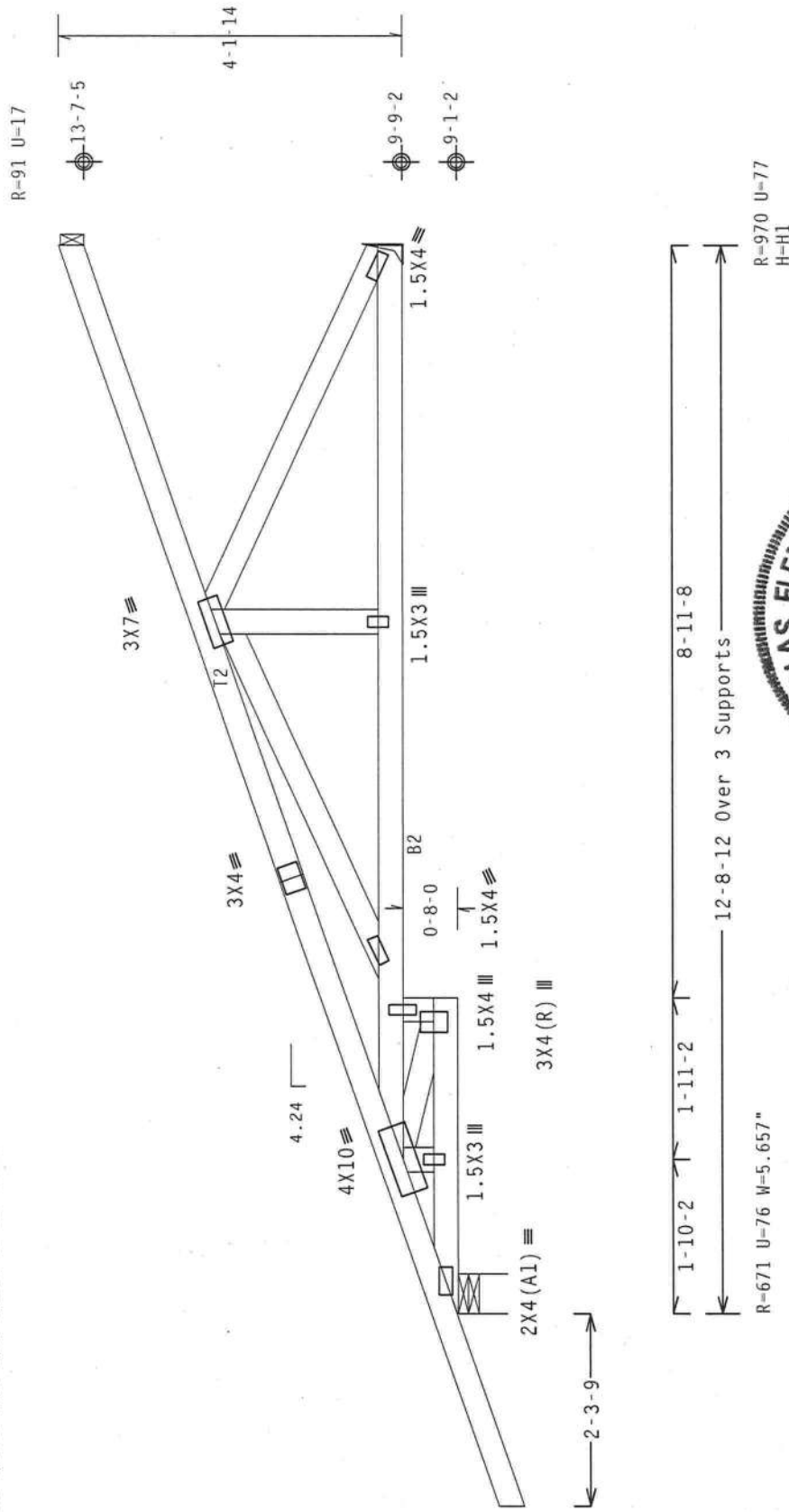
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for details, unless noted otherwise. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord 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.

IITW Building Components Group Inc. (IITWBCG) shall not be responsible for any deviation from this design for any failure to build the truss in accordance 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 Detail. Unless noted otherwise, all trusses shall be installed in accordance with the details shown on this drawing. 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: IITW-BCG: www.iitwbcg.com; TPI: www.tpiinst.org; WCA: www.sbctindustry.com; ICC: www.iccsafe.org



	Top	chord	2x4	SP	#2	Dense	:T2	2x4	SP	#1:
	Bot	chord	2x4	SP	#2	Dense	:B2	2x4	SP	#1:
		webs	2x4	SP	#3					

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



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)

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

Scale = .5"/Ft.

ALPINE

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

****WARNING** READ AND FILL IN 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 read the instructions on the inside of the CSJ and the drawings for details, bracing, tie type and NICA for safety practices prior to performing these functions. Installers shall provide temporary bracing per NICA. Unless noted otherwise, top chord shall have properly attached sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCIS 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 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 job. Details, unless noted otherwise. Refer to drawings I60A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicating acceptance of professional engineering structural design, is the responsibility of the Engineer. The Engineer shall be responsible for obtaining the proper professional seal for the Building Designer under ANSI/TPI 1, Sec. 2. For more information see: This job's general notes page. ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.secdindustry.com; ICC: www.iccsafe.org

No. 66648

STATE OF FLORIDA

PROFESSIONAL ENGINEER

7/10/2011

TC LL	20.0	PSF	REF	R487 --	1730
TC DL	10.0	PSF	DATE	11/10/11	
BC DL	10.0	PSF	DRW	HCUSR487	11314018
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.L.D.	40.0	PSF	SEQN-	3901	REV
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1UGX487_Z01	

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

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

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, Iw=1.00 GCpt (+/-)=0.18

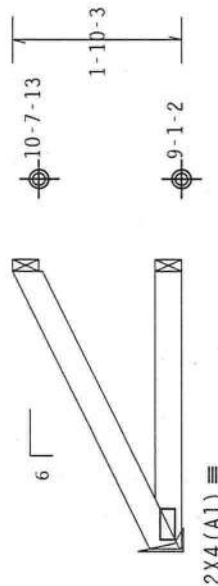
Wind loads and reactions based on MWFRS with additional C&C member design.

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

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=81 U=22

R=55 U=0



3-0-0 Over 3 Supports

R-129 U=0

RI-34 H-Simpson 11124

Supported Member Face: (2) 0.148"x1.5" nails

Supporting Member Face: (4) 0.148"x3" nails

Supporting Member Face: (4) 6.140
Supporting Member : (1) 2x6 SP SS

Design Crit: FBC2007Res/TPI-2002(STD)

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

Scale = .5"/Ft.

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

TC LL	20.0 PSF	REF R487-- 1731
TC DL	10.0 PSF	DATE 11/10/11
BC DL	10.0 PSF	DRW HCUR487 11314021
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 244911
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UGX487_Z01

The seal is circular with a double-lined border. The outer ring contains the text "FLORIDA PROFESSIONAL ENGINEER" at the top and "11/10/2011" at the bottom. The inner circle contains the text "STATE OF" at the top and "No. 66648" on the left. A signature is written across the center of the seal.

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

****IMPORTANT****

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following notes and drawings for details of BCSP (Building Components System) TPI and WICA (Wood In-Cut Assembly) trusses. Trusses are to be installed in accordance with the TPI and WICA installation practices prior to performing these functions. Installers shall provide temporary bracing per drawings and notes. Trusses shall be braced in accordance with the TPI and WICA installation practices prior to performing these functions. Trusses shall have a properly attached structural sheathing and bottom chord shall have a properly installed per BCSP ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

The Building Components Group Inc. (LHBCG) shall not be responsible for any deviation from this drawing or any failure to build the truss in conformance with ANSI/TPI 1-0 for handling, shipping, installing and bracing of trusses. Apply plates to each face of truss and position as shown above and on the following drawings. Details, unless noted otherwise. Refer to drawings LHBCG-2 for standard plate positions. A seal on the drawings or cover page listing ANSI 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: LHBCG: www.lhbcg.com; TPI: hnsptpi.org; WICA: www.bcbuildinst.com.

ALPINE

UTW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

(11-210--Fill) in later BRYAN ZECHER/LESTER --, ** - CJS(S)

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

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

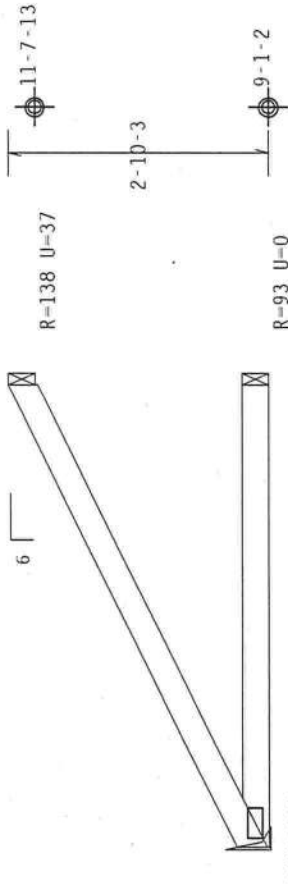
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 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 GCp1(+/-)-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.

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.



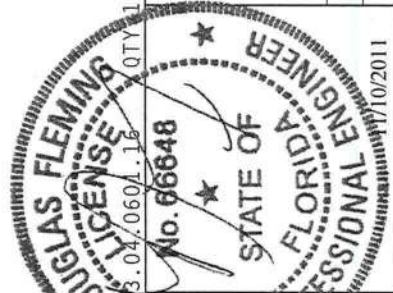
R-211 U-2
RL-57 H=Simpson LU24
Supported Member Face: (2) 0.148"x1.5" nails
Supporting Member Face: (4) 0.148"x3" nails
Supporting Member : (1) 2x6 SP SS

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

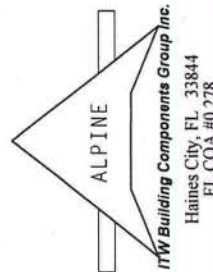
PLT TYP. Wave

Scale = .5" / Ft.

REF	QTY	FL / - / 4 / - / - / R / -	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"	JREF	1UGX487_Z01
R487--	1732																	
DATE	11/10/11																	
DRW	HCUSR487	11314019																
HC-ENG	JB/DF																	
SEQN	244914																	



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL COMPANIES 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 JPI and WICA) for details, practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chords shall have properly attached structural sheathing and bottom chords shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
The Building Components Group Inc. (BTWBG) shall not be responsible for any deviation from the design or construction of the truss system. The truss system shall be installed in accordance with the bracing of trusses. Apply plates to each face of truss and position as shown above and on the job. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal and 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 detail notes page; 11N-B00; www.tbwbg.com; TPI: www.tpiinst.org; WICA: www.bcsiindustry.com; BCSI: www.bcsi.org



(11-210--Fill in later BRYAN ZECHER/LESTER --, ** - EJ96)

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

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.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Special loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 62 plf at 0.00 to 62 plf at 9.00
BC- From 10 plf at 0.00 to 10 plf at 9.00
BC- 128.92 lb Conc. Load at 1.26
BC- 211.19 lb Conc. Load at 3.26
BC- 1945.13 lb Conc. Load at 5.23
BC- 989.76 lb Conc. Load at 7.23

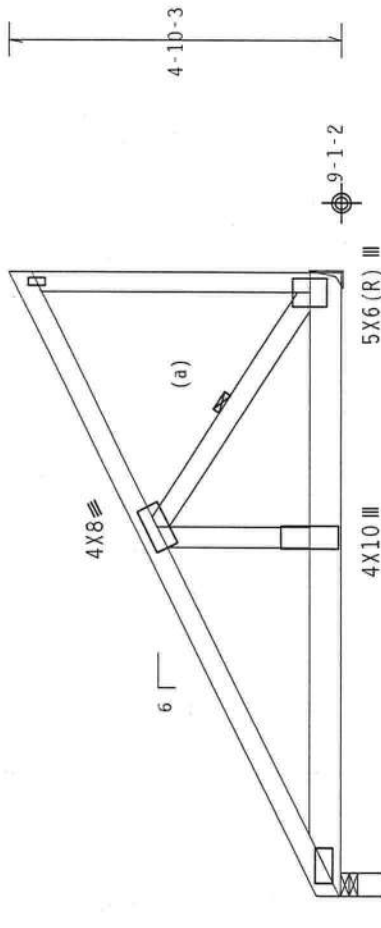
Right end vertical not exposed to wind pressure.

(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.

1.5X3 III



9-0-0 Over 2 Supports

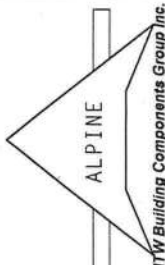
R-1607 U-152 W-4"

R-2319 U-228 H-Simpson HUS26
Supported Member Face: (4) 0.162"x3.5" nails
Supporting Member Face: (14) 0.162"x3.5" nails
Supporting Member: (2) 2x6 SP #2

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

PLT TYP. Wave

Scale = .375"/Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**HARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.		No. 66648		TC LL	20.0 PSF	REF	R487 -- 1733
	Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Be sure to follow the latest edition of BC31 (Building Component Safety) Installation Manual for PLP and KICs, and practices prior to performing these functions. Installers shall provide temporary bracing per BC31. 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 web shall have bracing installed per BC31 sections 83, 87 or B10, as applicable.		★ ★		TC DL	10.0 PSF	DATE	11/10/11
	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, bracing of trusses. Apply platens 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 services by ITWBCG. ITWBCG is not responsible for the design of the structure or the responsibility of the Building Designer per ANSI/TPI 1 Sec-2. For more information see: This Job's general notes page: 11W-BCG: www.11wbcg.com; TPI: www.tpi.net.org; WICA: www.sbcindustry.com; ICC: www.iccsafe.org		STATE OF FLORIDA		BC DL	10.0 PSF	DRW	HCUSR487 11314020
			PROFESSIONAL ENGINEER		BC LL	0.0 PSF	HC-ENG	JB/DF
			11/10/2011		TOT.LD.	40.0 PSF	SEQN	244944
				DUR.FAC.	1.25			
				SPACING	24.0"	JREF	1UGX487_Z01	

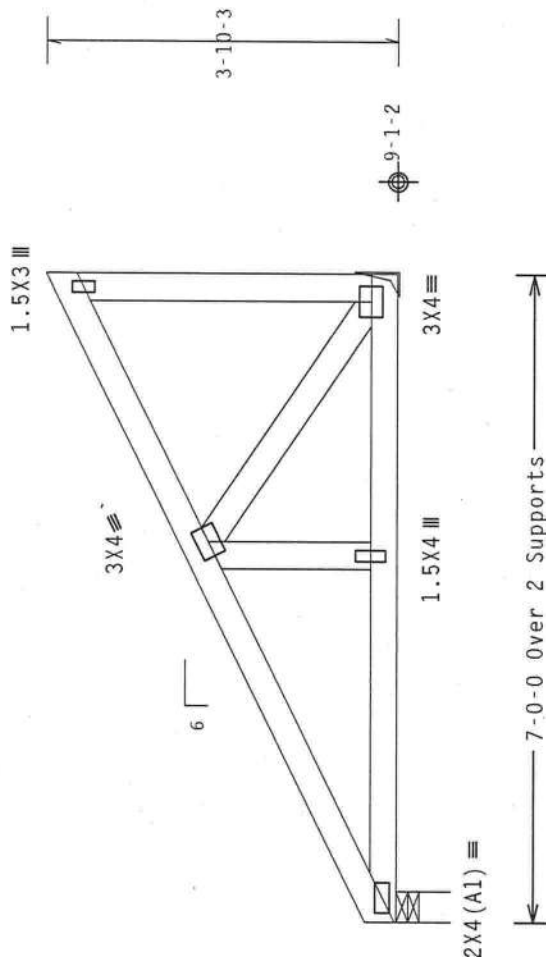


WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information, by IPI and WICA for details and instructions. Trusses shall be installed in accordance with the instructions provided. Unless noted otherwise, top chord shall be properly attached to the wall or ceiling. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or failure to build the truss in conformance with ANSI/IPI 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 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: 11N-BCSI; www.11nbg.com; TPI: www.tpinet.org; WICA: www.bcsinfo.org; ICC: www.iccsafe.org

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

Right end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.



R=669 II=77 W=4"

R-472 U-53 H-Simpson 1124
Supported Member Since: 2/2002 "x1.5" nails
Supported Member Since: 1/2002 "x1.5" nails
Supported Member Since: 1/2002 "x1.5" nails
Supported Member Since: 1/2002 "x1.5" nails

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

PLT TYP. Wave

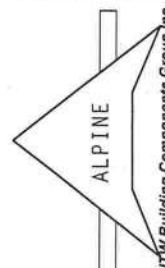
Scale = .5"/Ft.

TC	LL	20.0	PSF	REF	R487--	1734
TC	DL	10.0	PSF	DATE	11/10/11	
BC	DL	10.0	PSF	DRW	HCUSR487	11314001
BC	LL	0.0	PSF	HC-ENG	JB/DF	
TOT.	LD.	40.0	PSF	SEQN-	245067	
DUR.	FAC.	1.25				
SPACING	24.0"			JREF-	1UGX487	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 Components Safety Information, by TPI and WCA for complete instructions on the correct installation of BCSI trusses. Temporary bracing per BCSI instructions must be provided. Trusses must be properly attached to the wall and roof framing and shall have a property attached rigid ceiling. Locations shown for permanent lateral bracing and bracing shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

[illegible]

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

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	1-2X4
2X3 DR 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.

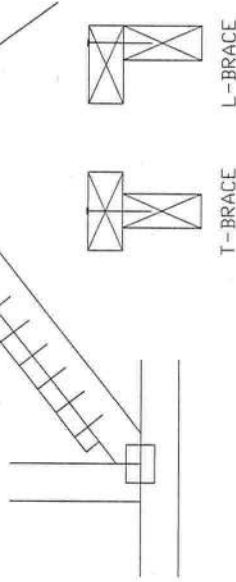
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING

OR

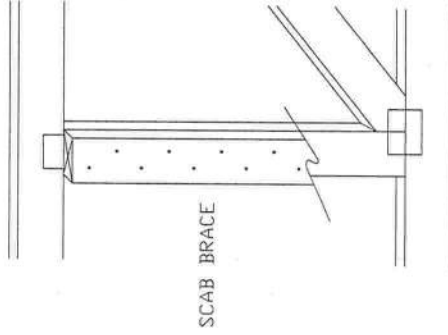
L-BRACING:

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, and erecting. Refer to the ITV Building Components Group Inc. (ITVBCG) practices for proper handling and erecting. These practices are available on the ITVBCG website. If you are not familiar with these practices, contact the ITVBCG representative for more information. Do not alter or modify the design or construction of the truss without the written approval of the ITVBCG representative. The ITVBCG representative shall provide temporary bracing for the truss during erection. The truss shall be properly attached to the structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall be as shown on this drawing. See this job's general notes page for more information.

*****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 (W/H/S/K) ASTM A572 grade 50 (K24/H/S) galv. steel. Apply plates to each face of truss, positioned as shown on this drawing. 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; VIDA: www.vidaind.com; ICC: www.iccsafe.org



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCCLBSUB0109
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

MINIMUM NAIL SPACING DISTANCES

BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS

B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN

C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)
C P - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

U - SPACING BETWEEN STRUCKED ROWS OF UNITS

MAY BE REDUCED BY THE AMOUNTS GIVEN
REF ID: A61076

**** SPACING MAY BE REDUCED BY 33%.**



WARNINGS READ AND FOLLOW ALL RULES ON THIS SHEET!
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following information for details.
• Trusses are designed for use by professional building practices per the Building Code of America (BCA) or International Building Code (IBC).
• All trusses shall be installed in accordance with the manufacturer's instructions.
• Trusses shall be installed in accordance with the applicable local, state and federal codes.
• Trusses shall be installed in accordance with the applicable local, state and federal codes.
• Trusses shall be installed in accordance with the applicable local, state and federal codes.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLER CONTRACTOR.** ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the trusses in conformance with ITI, or fabricating, handling, shipping, installing, or bracing of trusses. ITWBCG connector plates are made of 2010/160A (A4/MS) ASTM grade 37/40/60 (K/M/HS) galv. steel. Apply plates to each face of truss, positioned as shown above. See this job's general notes page for details. See Joint Details.

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.

1107/01/January 16, 2001

NAIL TYPE	DISTANCES			
	A	B*	C**	D
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"	7/8"
10d BOX (0.128"X 3",MIN)	7/8"	1 5/8"	2"	1"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"	1"
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
20d BOX (0.148"X 4",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
10d COMMON (0.148"X 3",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
16d COMMON (0.162"X 3.5",MIN)	1"	2"	2 1/2"	1 1/4"
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
GUN (0.120"X 3",MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 3",MIN)	7/8"	1 5/8"	2"	1"

REF	NAIL SPACE
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
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DATE 1/1/09

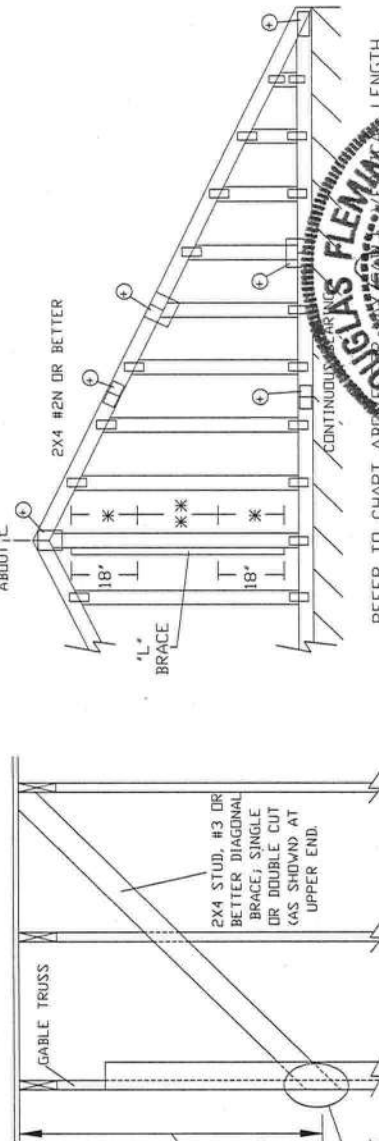
DRWG CNNAILSP0109

[illegible]

DIAGONAL BRACE OPTION:
VERTICAL LENGTH MAY BE
DOUBLED WHEN DIAGONAL
BRACE IS USED. CONNECT
DIAGONAL BRACE FOR 600#
AT EACH END. MAX WEB
TOTAL LENGTH IS 14'.

VERTICAL LENGTH SHOWN
IN TABLE ABOVE.

CONNECT DIAGONAL AT
MIDPOINT OF VERTICAL WEB



REFER TO CHART ABOVE FOR UNIT CONVERSIONS. LENGTH:

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" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
* FOR (2) 'L' BRACE: 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"	25X4
GREATER THAN 11' 6"	3X4

* REFER TO COMMON TRUSS DESIGN FOR
PEAK, SPLICE, AND HEEL PLATE.

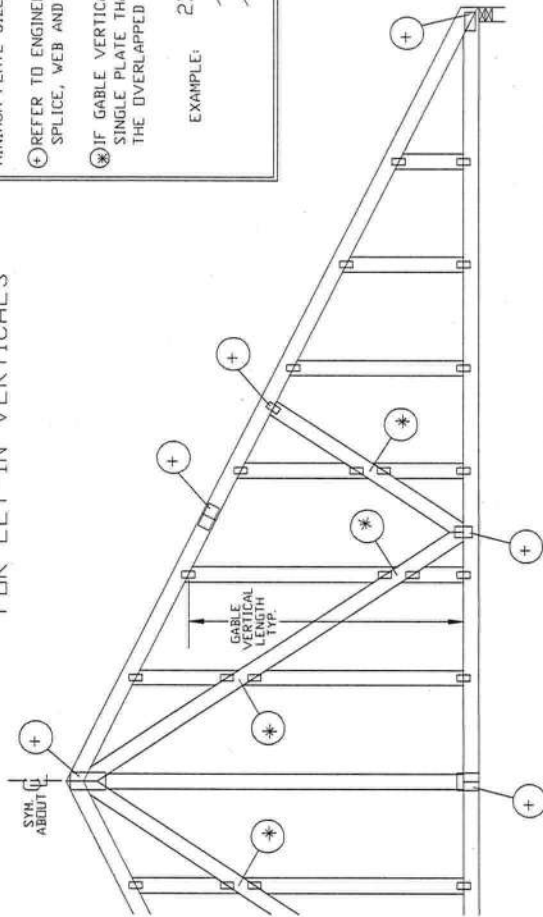
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REF	ASCE7-05-GABI1015
DATE	1/1/09
DRWG	A11015050109

MAX. TDT. LD. 60 PSF

MAX. SPACING 24.0"

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.



EXAMPLE:

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.

TENNAILED NAILS:

- 10d COMMON (0.148" X 3" MIN) TENNAILED AT 4" O.C. PLUS
- (4) TENNAILED 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, A1015980109, A10015980109,
- A13030980109, A12030980109, A1030980109, A10030980109

ASCE 7-02 GABLE DETAIL DRAWINGS

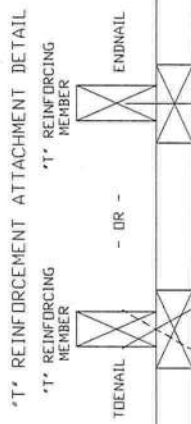
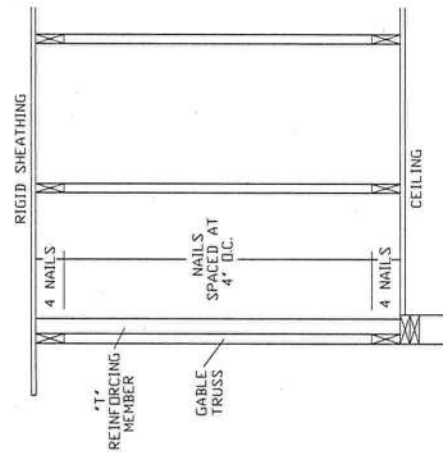
- A13015020109, A12015020109, A1015020109, A10015020109,
- A13030020109, A12030020109, A1030020109, A10030020109

ASCE 7-05 GABLE DETAIL DRAWINGS

- A13015050109, A12015050109, A1015050109, A10015050109,
- A13030050109, A12030050109, A1030050109, A10030050109

SEE APPROPRIATE ITW GABLE DETAIL FOR MAXIMUM

UNREINFORCED GABLE VERTICAL LENGTH



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	"T" REINFORCING MEMBER 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 %
110 MPH	2x4	10 %
30 FT	2x6	40 %
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' D.C. SP #3

"T" REINFORCING MEMBER SIZE = 2X4

"T" 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"



Building Components Group Inc.

Earth City, MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.

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 of trusses. ITWBCG connector plates are made of 6061-T6 ALUMINUM. A 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 ***itwbcg.com, TPI ***tpi.net, ITW ***itwinc.com, ICC ***iccsafe.org



No. 66648

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

REF LET-IN VERT

DATE 1/1/09

DRWG GBLLETIN0109

MAX TOT. LD. 60 PSF

DUR. FAC. ANY

MAX SPACING 24.0"

**COLUMBIA COUNTY
FLORIDA
DEPARTMENT OF BUILDING AND ZONING INSPECTION**

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 18-5S-17-09280-129

Building permit No. 000029790

Use Classification SFD, UTILITY

Fire: 38.52

Permit Holder BRYAN ZECHER HOMES

Waste: 100.50

Owner of Building ROBBY & LOU LESTER

Total: 139.02

Location: 877 SW MADIBA DRIVE, LAKE CITY, FL 32024

Date: 04/19/2012



[Signature]

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER

Permit #29790

CONTRACTOR

Bryan Zeller

PHONE

752-8653

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name <u>Kenny Moore Electric</u>	Signature <u>[Signature]</u>
	License #: <u>ER 0000691</u>	Phone #: <u>386-623-0097</u>
MECHANICAL/ A/C	Print Name _____	Signature _____
	License #: _____	Phone #: _____
PLUMBING/ GAS	Print Name _____	Signature _____
	License #: _____	Phone #: _____
ROOFING	Print Name _____	Signature _____
	License #: _____	Phone #: _____
SHEET METAL	Print Name _____	Signature _____
	License #: _____	Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____	Signature _____
	License #: _____	Phone #: _____
SOLAR	Print Name _____	Signature _____
	License #: _____	Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.—Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

29796

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000001921**

DATE 12/05/2011 PARCEL ID # 18-5S-17-09280-129
APPLICANT BRYAN ZECER PHONE 752-8653
ADDRESS P.O. BOX 815 LAKE CITY FL 32056
OWNER ROBBY & LOU LESTER PHONE 850-866-1230
ADDRESS 877 SW MANDIBA DRIVE LAKE CITY FL 32024
CONTRACTOR BRYAN ZECER PHONE 752-8653
LOCATION OF PROPERTY 441S. TR ON CR 131. TR INTO THE OAKS, TO STOP SIGN, TL ON MANDIBA,
JOB ON LEFT _____

SUBDIVISION/LOT/BLOCK/PHASE/UNIT TEOAKS OF LAKE CITY 29

INSTALLATION INFORMATION

SIGNATURE _____

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(B) The culvert shall comply and be installed in accordance with Columbia County Land Development Regulation, Access Control: Section 4.2.3 standards. Proper installation of the culvert shall be verified by a final inspection performed by the Public Works Department.

(C) All culverts required by this policy shall be installed prior to the Building Department granting permission to connect permanent electrical service to the facility or facilities being serviced by newly constructed private driveway or road. In cases where no electrical service exists, installation shall be completed prior to final inspection approval.

(D) Mitered-end culverts shall be used in the following applications:

(1) When the culvert is to be placed giving access to a paved street.; (2) When the road is contained within a subdivision (recorded or unrecorded) that has not reached a "build out" of fifty percent (50%) or more.; (3) In all new subdivisions for residential use. New subdivisions shall be required as part of the final plat to specify culvert diameter and length.; (4) When the predominant use already established by the use of mitered-end culverts period.

☐ Culvert installation shall conform to the approved site plan standards.

☐ Department of Transportation Permit installation approved standards.

☒ Shall conform to Public Works Determinations as Stated Below:

18" Diameter X 32' long miter ends to be
poured concrete

P W Inspectors Name: James Durrance

Date: 12-7-11

Final Inspection Date:

3-23-12

P W Inspectors Name:

James Durrance

Signature:

James Durrance

CONTACT FOR REQUIREMENTS AND INSPECTIONS:

PUBLIC WORKS DEPARTMENT

Phone: 386-758-1019

Amount Paid 25.00

Check No. 2993

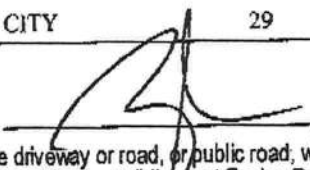
All Proper Safety Requirements Should Be Followed During The Installation Of The Culvert

Columbia County Building Department
Culvert Permit

#29790
Culvert Permit No.
000001921

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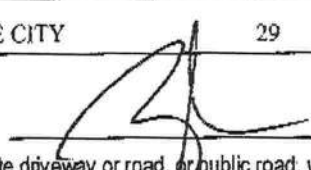
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PUBLIC WORKS DEPARTMENT

Phone: **386-758-1019**

Amount Paid 25.00

Check No. 2993

All Proper Safety Requirements Should Be Followed During The Installation Of The Culvert



Donald F. Lee & Associates, Inc.

140 NW Ridgewood Avenue
Lake City, Florida 32055
PH 386-755-6166 FAX 386-755-6167
email: donald@dfia.com
website: www.dfla.com

- Highway & Route Surveys
- Topographic Surveys
- Land & Subdivision Surveys
- Control Surveying

Since 1984

DATE: Friday, December 16, 2011

TO: Columbia County Building Department

CC: Bryan Zecher Construction

FROM: Tim Delbene - Donald F. Lee & Associates

RE: Floor Elevation Check – Lot 29, Oaks of Lake City Phase 1 *Permit #29790*

This is to Certify that elevations were obtained for a foundation under construction (stem walls) on the above referenced parcel of land. The results are as follows:

Proposed House slab elevation (at stem walls): 92.14 feet

Proposed Garage slab elevations (at stem walls): 91.20 feet

The record subdivision plat for "Oaks of Lake City Phase 1" indicates that the Minimum Floor Elevation (MFE) for this lot, as set by the project engineer for the development, is 89.0 feet. Elevations are based on NAVD1988 datum.

SIGNED: _____

Timothy A. Delbene
Timothy A. Delbene, PSM
Florida Reg. Cert. No. LS 5594

DATE: 12/16 2011.

*OK
Blk
21 DEC. 2011*

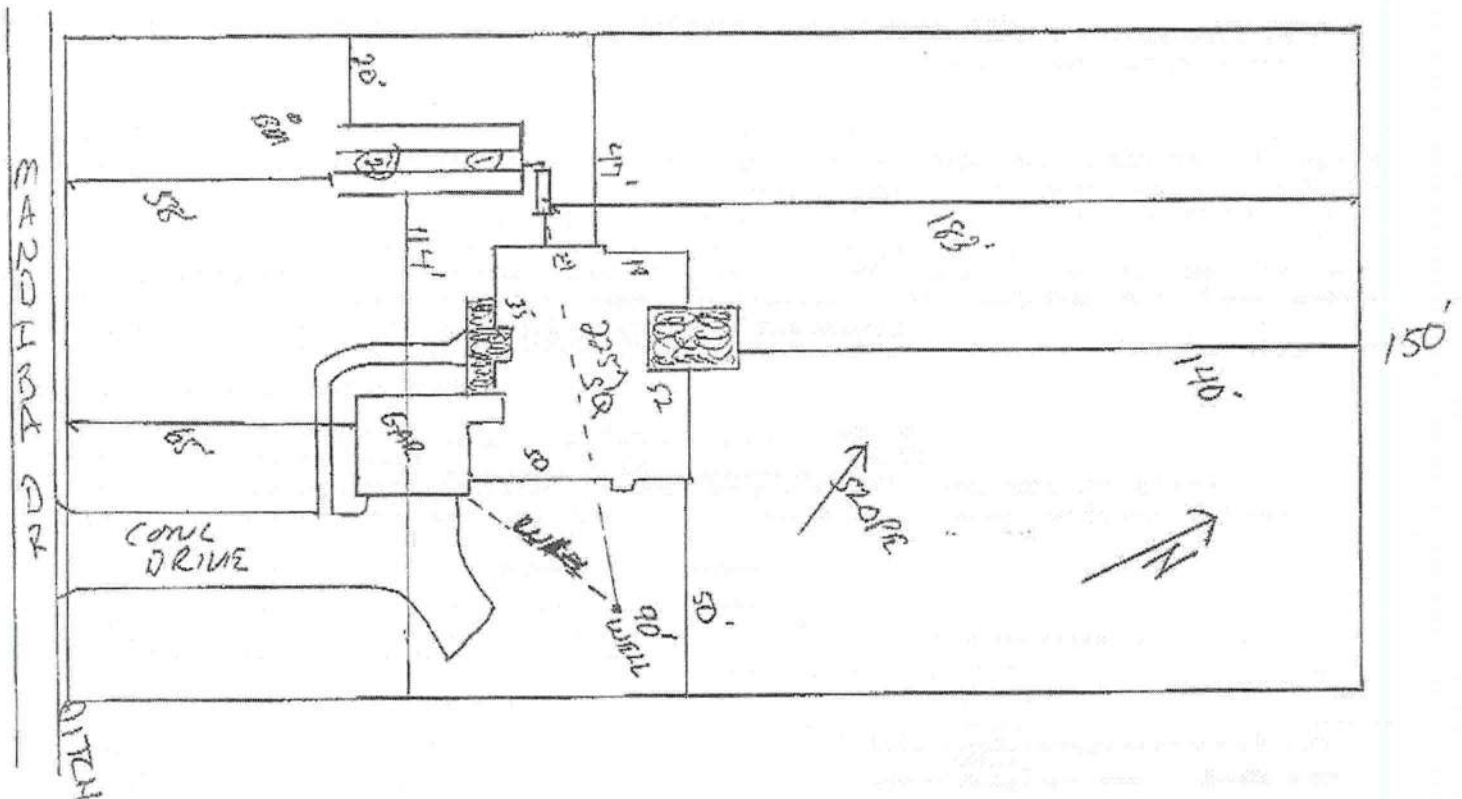
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number

11-0474

----- Lester ----- PART II - SITEPLAN -----

Scale: 1 inch = 40 feet.



Notes:

Site Plan submitted by:

Robert D. F. D.

MASTER CONTRACTOR

Plan Approved y

Not Approved

Date 11/23/11

By

[Signature]

Columbia

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 08/09, Obsolete previous editions which may not be used) Incorporated: 64E-6.001, FAC
(Stock Number: 5744-002-4015-6)

Page 2 of 4

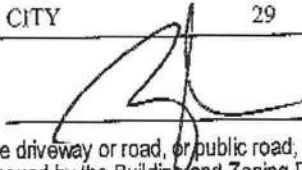
SE

**Columbia County Building Department
Culvert Permit**

Culvert Permit No.
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- ☐ Department of Transportation Permit installation approved standards.
- ☒ Shall conform to Public Works Determinations as Stated Below:
18" Diameter X 32' long miter ends to be
poured concrete

P W Inspectors Name: James Durrance Date: 12-7-11

Final Inspection Date: _____ P W Inspectors Name: _____ Signature: _____

CONTACT FOR REQUIREMENTS AND INSPECTIONS:

PUBLIC WORKS DEPARTMENT

Phone: **386-758-1019**

Amount Paid 25.00

Check No. 2993

All Proper Safety Requirements Should Be Followed During The Installation Of The Culvert

Columbia County Building Department Culvert Permit

Culvert Permit No.
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P W Inspectors Name: _____ Date: _____

Final Inspection Date: _____ P W Inspectors Name: _____ Signature: _____

CONTACT FOR REQUIREMENTS AND INSPECTIONS:

PUBLIC WORKS DEPARTMENT

Phone: 386-758-1019

Amount Paid 25.00

Check No. 2993

All Proper Safety Requirements Should Be Followed During The Installation Of The Culvert



COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST REQUIREMENTS

6-25-09

MINIMUM PLAN REQUIREMENTS FOR THE
FLORIDA BUILDING CODE RESIDENTIAL 2007 EFFECTIVE 1 MARCH 2009 & 2009
SUPPLEMENTS EFFECTIVE 1 MARCH 2009, ONE (1) AND TWO (2) FAMILY DWELLINGS
with Supplements and Revision, OF THE NATIONAL ELECTRICAL 2008

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

**ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007
FLORIDA BUILDING CODES RESIDENTIAL EFFECTIVE 1 MARCH 2009 & 2009
SUPPLEMENTS EFFECTIVE 1 MARCH 2009. ALL PLANS OR DRAWINGS SHALL
PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND
SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE
STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE
STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY
DWELLINGS.**

**FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER
FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind
speed map) SHALL BE USED.**

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH
ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE -----110 MPH
NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

**GENERAL REQUIREMENTS:
APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL**

Items to Include-
Each Box shall be
Circled as
Applicable

			Yes	No	N/A
1	Two (2) complete sets of plans containing the following:		☒		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void		☒		
3	Condition space (Sq. Ft.) <u>2257</u>	Total (Sq. Ft.) under roof <u>3197</u>			

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

Site Plan information including:

4	Dimensions of lot or parcel of land	☒		
5	Dimensions of all building set backs	☒		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	☒		
7	Provide a full legal description of property.	☒		

Wind-load Engineering Summary, calculations and any details required

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	IIIII	IIII	IIIII
		YES	NO	N/A
9	Basic wind speed (3-second gust), miles per hour	/		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	/		
11	Wind importance factor and nature of occupancy	/		
12	The applicable internal pressure coefficient, Components and Cladding	/		
13	The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component, cladding materials not specifiably designed by the registered design professional.	/		

Elevations Drawing including:

14	All side views of the structure	/		
15	Roof pitch	/		
16	Overhang dimensions and detail with attic ventilation	/		
17	Location, size and height above roof of chimneys	/		
18	Location and size of skylights with Florida Product Approval	/		
18	Number of stories	/		
20A	Building height from the established grade to the roofs highest peak	/		

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	/		
21	Raised floor surfaces located more than 30 inches above the floor or grade	/		
22	All exterior and interior shear walls indicated	/		
23	Shear wall opening shown (Windows, Doors and Garage doors)	/		
24	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBCR 613.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.	/		
25	Safety glazing of glass where needed	/		
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FBCR)	/		/
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	~		/
28	Identify accessibility of bathroom (see FBCR SECTION 322)	/		

All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plans (see Florida product approval form)

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
--	---

FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	/		
30	All posts and/or column footing including size and reinforcing	/		
31	Any special support required by soil analysis such as piling.	/		
32	Assumed load-bearing value of soil <u>1000</u> Pound Per Square Foot	/		
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	/		

FBCR 506: CONCRETE SLAB ON GRADE

34	Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	/		
35	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	/		

FBCR 320: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Sub mit other approved termite protection methods. Protection shall be provided by registered termiticides	/		
----	--	---	--	--

FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

37	Show all materials making up walls, wall height, and Block size, mortar type			/
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement			/

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	/		/
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers	/		/
41	Girder type, size and spacing to load bearing walls, stem wall and/or piers	/		/
42	Attachment of joist to girder	/		/
43	Wind load requirements where applicable	/		
44	Show required under-floor crawl space			/

45	Show required amount of ventilation opening for under-floor spaces			/
46	Show required covering of ventilation opening			/
47	Show the required access opening to access to under-floor spaces			/
48	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & interior of the areas structural panel sheathing			/
49	Show Draftstopping, Fire caulking and Fire blocking	/		
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309	/		
51	Provide live and dead load rating of floor framing systems (psf).	/		

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	/		
53	Fastener schedule for structural members per table FBCR 602.3 are to be shown	/		
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	/		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	/		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCR Table 502.5 (1)	/		
57	Indicate where pressure treated wood will be placed	/		
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	/		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	/		

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.10 Wood trusses	/		
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	/		
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	/		
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	/		
64	Provide dead load rating of trusses	/		

FBCR 802:Conventional Roof Framing Layout

65	Rafter and ridge beams sizes, span, species and spacing	/		
66	Connectors to wall assemblies' include assemblies' resistance to uplift rating	/		
67	Valley framing and support details	/		
68	Provide dead load rating of rafter system	/		

FBCR Table 602.3(2) & FBCR 803 ROOF SHEATHING

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	☒	☐	☐
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	☒	☐	☐

FBCR ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assemblies covering	☒	☐	☐
72	Submit Florida Product Approval numbers for each component of the roof assemblies covering	☒	☐	☐

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter 11 Residential buildings compliance methods. **Two of the required forms are to be submitted, N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.**

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
73	Show the insulation R value for the following areas of the structure	☒	☐	☐
74	Attic space	☒	☐	☐
75	Exterior wall cavity	☐	☐	☒
76	Crawl space	☐	☐	☒

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	☒	☐	☐
78	Exhaust fans shown in bathrooms Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required	☒	☐	☐
79	Show clothes dryer route and total run of exhaust duct	☒	☐	☐

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan	☒	☐	☐
81	Show the location of water heater	☒	☐	☐

Private Potable Water

82	Pump motor horse power	☒	☐	☐
83	Reservoir pressure tank gallon capacity	☒	☐	☐
84	Rating of cycle stop valve if used	☒	☐	☐

Electrical layout shown including

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	☒		
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A	☒		
87	Show the location of smoke detectors & Carbon monoxide detectors	☒		
88	Show service panel, sub-panel, location(s) and total ampere ratings	☒		
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type. For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3	☒		
90	Appliances and HVAC equipment and disconnects	☒		
91	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed Combination arc-fault circuit interrupter , Protection device.	☒		

Disclosure Statement for Owner Builders *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
--	--

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	Building Permit Application A current Building Permit Application form is to be completed and submitted for all residential projects	☒		
93	Parcel Number The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested	☒		
94	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058	☒		
95	City of Lake City A permit showing an approved waste water sewer tap			☒
96	Toilet facilities shall be provided for all construction sites	☒		
97	Town of Fort White (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			☒

98	Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations	✓		
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established	✓		
100	A development permit will also be required. Development permit cost is \$50.00			
101	Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.	✓		
102	911 Address: If the project is located in an area where a 911 address has not been issued, then application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125	✓		

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code, Building shall govern the administration and enforcement of the Florida Building Code, Residential.

Section 105 of the Florida Building Code defines the:

Time limitation of application.

An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date of issuance of the new permit.

Work Shall Be:

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

When the submitted application is approved for permitting the applicant will be notified by phone as to the date and time a building permit will be prepared and issued by the Columbia County Building & Zoning Department

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 10/21/2011 DATE ISSUED: 10/25/2011

ENHANCED 9-1-1 ADDRESS:

877 SW MANDIBA DR

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

18-5S-17-09280-129

Remarks:

ADDRESS FOR PROPOSED STRUCTURE ON PARCEL.

Address Issued By: SIGNED: / RONAL N. CROFT
Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

Water Wells
Pumps & Service

Phone: (386) 752-6677
Fax: (386) 752-1477

Lynch Well Drilling, Inc.

173 SW Young Place
Lake City, FL 32025

November 17, 2011

To Whom It May Concern:

As required by building code regulations for Columbia County in order that a building permit can be issued, the following well information is provided with regard to the well for Bryan Zecher Construction in The Oaks lot 29 for Lester.

Size of Pump Motor:	1 HP 20 gallons per min.
Size of Pressure Tank:	81 -Gallon Bladder Tank - 25.1 Draw down
Cycle Stop Valve Used:	No
Constant Pressure System:	No

Should you require any additional information, please contact us.

Sincerely,

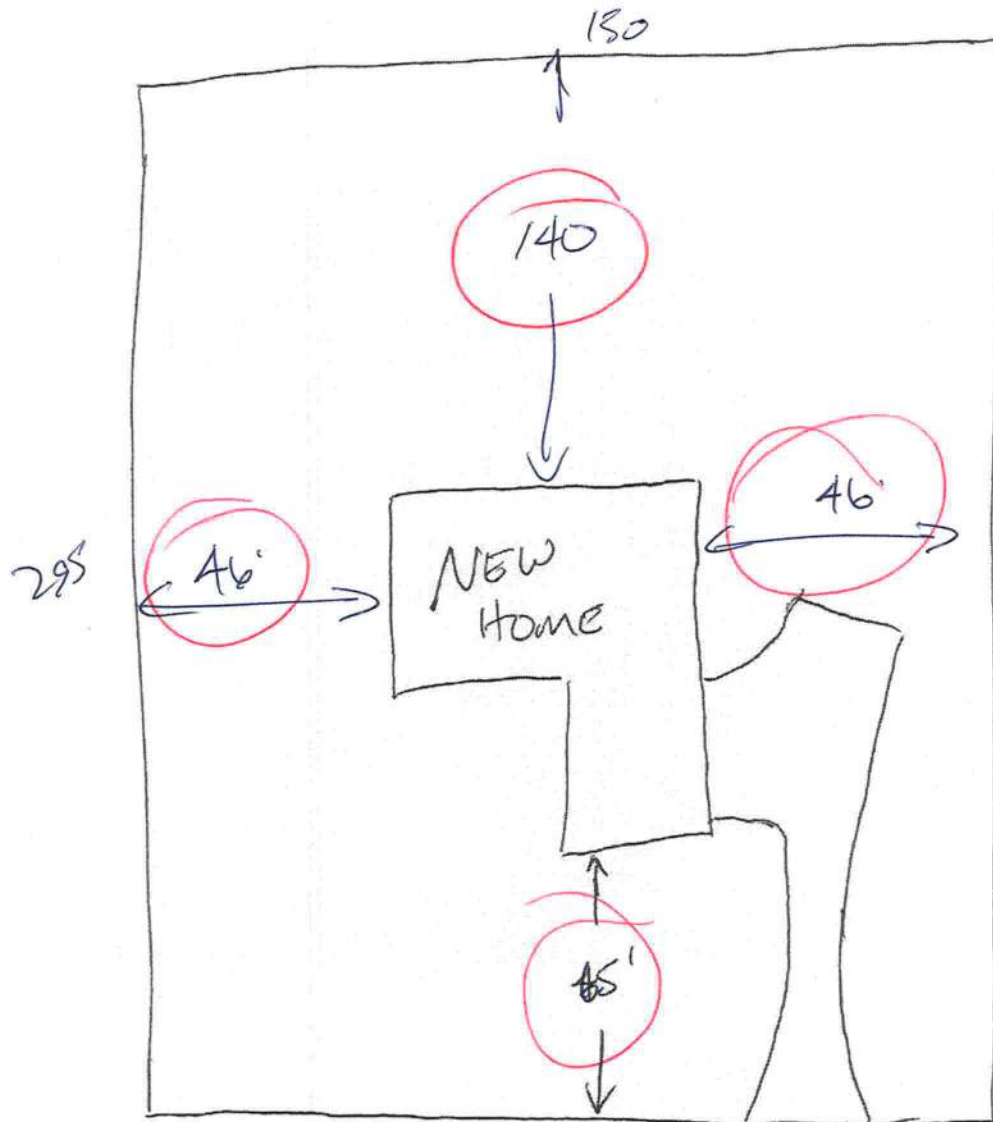


Linda Newcomb
Lynch Well Drilling, Inc.

Proposed Site Plan

lot 29 "The Oaks of Lake City"

Property ID # 18-55-09280-129



877 SW Mandiba Drive

PRODUCT APPROVAL SPECIFICATION SHEET

Location:

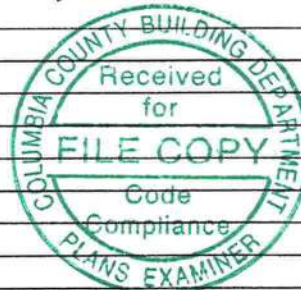
The Oaks

Project Name:

Lester

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	Thermatec	Swing Dr	FL5262-R2
2. Sliding			
3. Sectional	Clapen	Garage dr	FL5678-R1
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	PGI	Window	FL-239-R1B
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	Cortland	Cement Fibered Siding	FL1573-R2
2. Soffits	Fen Can	Alum Soffit	FL12198-R1
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	Cortland	30 yr shingles	FL5444-R3
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			



Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor	Simpson	Structural tie downs	PC 2355-P3
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Contractor or Contractor's Authorized Agent Signature

Print Name _____

Date _____

Location

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

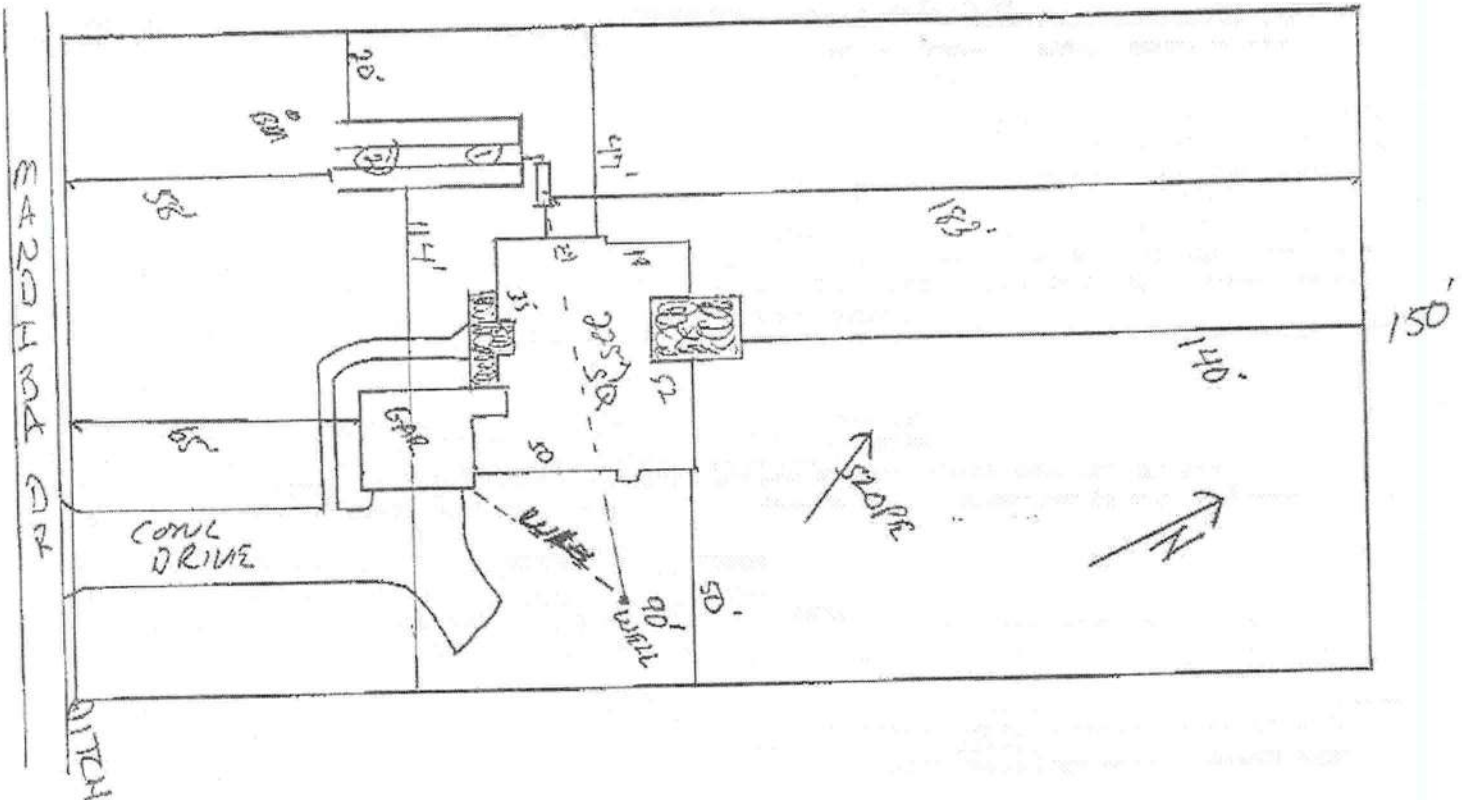
Permit Application Number

11-0474

Lester

PART II - SITEPLAN

Scale: 1 inch = 40 feet.



Notes:

Site Plan submitted by:

Rody D F

MASTER CONTRACTOR

Date 11/23/11

Plan Approved

Not Approved

County Health Department

By

Columbia

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 08/09 (Obsolesces previous editions which may not be used) Incorporated: 64E-6.001, FAC
(Stock Number: 3744-002-4015-6)

Page 2 of 4

SE

THIS INSTRUMENT WAS PREPARED BY:
FIRST FEDERAL BANK OF FLORIDA
4705 WEST U.S. HIGHWAY 90
P.O. BOX 2029
LAKE CITY, FLORIDA 32056

Inst: 201112017996 Date: 11/22/2011 Time: 11:49 AM
DC, P. DeWitt Cason, Columbia County Page 1 of 1 B: 1225 P: 634

PERMIT NO. _____

TAX FOLIO NO. _____

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF Columbia

The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. Description of property: Lot 29 of The Oaks of Lake City
2. General description of improvement: Construction of Dwelling
3. Owner information:
a. Name and address: Charles R. Lester and Carol Lou Lester
730 SW Rosemary Drive Lake City, FL 32055
b. Interest in property: Fee Simple
c. Name and address of fee simple title holder (if other than Owner): NONE
4. Contractor (name and address): Bryan Zecher Homes Inc.
465 NW Orange Street
Lake City, FL 32055
5. Surety:
a. Name and address: N/A
b. Amount of bond: N/A
6. Lender: FIRST FEDERAL BANK OF FLORIDA
4705 WEST U.S. HIGHWAY 90
P. O. BOX 2029
LAKE CITY, FLORIDA 32056
7. Persons within the State of Florida designated by Owner upon whom notices or other document may be served as provided by Section 713.13 (1) (a) 7., Florida Statutes: NONE
8. In addition to himself, Owner designates PAULA HACKER of FIRST FEDERAL BANK OF FLORIDA, 4705 West U.S. Highway 90 / P. O. Box 2029, Lake City, Florida 32056 to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statutes.
9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

Charles R. Lester
Borrower Name Charles R. Lester
Carol Lou Lester
Co-Borrower Name Carol Lou Lester

The foregoing instrument was acknowledged before me this 15 day of November, 2011, by Charles + Carol Lester, who is personally known to me or who has produced driver's license for identification.

Tana R Sparrow
Notary Public
My Commission Expires: 5-5-15



PROJECT NAME:	1111033	BUILDER:	BRYAN ZECHER CONSTRUCTION
IND ADDRESS:	LAKE CITY, FL	PERMITTING OFFICE:	COLUMBIA
OWNER:	LESTER RES.	PERMIT NO.:	29790
		JURISDICTION NO.:	221000

New construction or addition
Single-family detached or Multiple-family attached
If Multiple-family—No. of units covered by this submission
Is this a worst case? (yes/no)
Conditioned floor area (sq. ft.)
Predominant eave overhang (ft.)
Glass type¹ and area: (Label required by 13-104.4.5 if not default)
a. U-factor: (or Single- or Double-Pane DEFAULT)
b. SHGC: (or Clear or Tint DEFAULT)

Floor type and insulation:
a. Slab-on-grade (R-value + perimeter)
b. Wood, raised (R-value + sq. ft.)
c. Concrete, raised (R-value)

Net wall type, area and insulation:

- a. Exterior:
- Concrete block (Insulation R-value)
 - Wood frame (Insulation R-value)
 - Steel frame (Insulation R-value)
 - Log (Insulation R-value)
 - Other: _____

- b. Adjacent:
- Concrete block (Insulation R-value)
 - Wood frame (Insulation R-value)
 - Steel frame (Insulation R-value)
 - Log (Insulation R-value)

1. Ceiling type, area and insulation:

- a. Under attic (Insulation R-value)
b. Single assembly (Insulation R-value)
c. Radiant barrier, IRCC or white roof installed?

2. Air distribution system:

- a. Ducts (Insulation + Location)
b. Air Handler (Location)

3. Cooling system:

(Types: central-split, central-single pkg., room unit, PTAC, gas, none)

4. Heating system:

(Types: heat pump, elec. strip, nat. gas, LP gas, gas h.p., room or PTAC, none)

5. Hot water system:

(Types: elec., natural gas, solar, LP gas, none)

6. Hot water credits

- a. Heat Recovery (HR)
b. Dedicated Heat Pump (DHP)
c. Solar

7. HVAC Credits

(Use: CF-ceiling fan, CV-cross vent, PT-programmable thermostat, HF-whole house fan, MZ-Multizone)

8. COMPLIANCE STATUS: (PASS if As-Built Pts. are less than Base Pts.)

- a. Total As-Built points b. Total Base points

Please Type

CK

1. NEW	_____
2. SINGLE	_____
3. _____	_____
4. YES	_____
5. 2257	sq. ft.
6. 1.5	ft.
Description Area	
7a. DOUBLE	320.1 sq. ft.
7b. CLEAR	_____ sq. ft.
8a. R = 0	245 l. ft.
8b. R = _____	_____ sq. ft.
8c. R = _____	_____ sq. ft.
9a-1 R = _____	_____ sq. ft.
9a-2 R = 13	1595 sq. ft.
9a-3 R = _____	_____ sq. ft.
9a-4 R = _____	_____ sq. ft.
9b-1 R = _____	_____ sq. ft.
9b-2 R = 13	250 sq. ft.
9b-3 R = _____	_____ sq. ft.
9b-4 R = _____	_____ sq. ft.
10a. R=30	2370 sq. ft.
10b. _____	_____ sq. ft.
10c. _____	_____
11a. R = 6	ATTIC (cond./uncond.)
11b. R = _____	INT. (cond./uncond.)
12a. Type:	CENTRAL-SPLIT
12b. SEER/EER/COP:	13
12c. Capacity:	47 KBTUH
13a. Type:	HEAT PUMP
13b. HSPF/COP/AFUE:	7.9
13c. Capacity:	47 KBTUH
14a. Type:	ELEC.
14b. EF:	.94
15a. _____	_____
15b. _____	_____
15c. _____	_____
16. PT	_____
17. PASS	_____
17a. 27204	17b. 25512

hereby certify that the plans and specifications covered by the calculation are in compliance with the Florida Energy Code.

PREPARED BY: EVAN BEAMSLEY

DATE: 2011-11-15

hereby certify that this building is in compliance with the Florida Energy Code:

OWNER AGENT:

DATE: 11/17/11

Review of plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, F.S.

BUILDING OFFICIAL:

DATE:

4-1 SUMMER OVERHANG FACTORS (SOF) FOR SINGLE-AND DOUBLE-PANE GLASS

SELECT BY OR	OH Ratio	.00-.11	.12-.17	.18-.26	.27-.35	.36-.46	.47-.57	.58-.70	.71-.83	.84-1.18	1.19-1.72	1.73-2.73	2.74 & up
	North	1.00	0.993	0.971	0.930	0.888	0.842	0.803	0.766	0.736	0.681	0.634	0.593
	Northeast	1.00	0.996	0.967	0.907	0.845	0.775	0.717	0.662	0.619	0.545	0.487	0.441
	East	1.00	0.994	0.963	0.898	0.827	0.745	0.675	0.609	0.558	0.470	0.405	0.357
	Southeast	1.00	0.998	0.952	0.864	0.777	0.689	0.623	0.566	0.525	0.459	0.413	0.379
	South	1.00	0.989	0.931	0.835	0.751	0.675	0.620	0.575	0.543	0.493	0.458	0.432
	Southwest	1.00	0.998	0.953	0.866	0.779	0.691	0.623	0.565	0.522	0.453	0.404	0.368
	West	1.00	0.994	0.963	0.899	0.828	0.748	0.681	0.617	0.569	0.485	0.422	0.375
	Northwest	1.00	0.996	0.968	0.913	0.858	0.797	0.748	0.702	0.667	0.605	0.556	0.516
	OH Length	0.0'	1.0'	1.5'	2.0'	3.0'	3.5'	4.5'	5.5'	6.5'	9.5'	14.0'	20.0'

4-2 WALL SUMMER POINT MULTIPLIERS (SPM)

FRAME					CONCRETE BLOCK (NORMAL WT)				FACE BRICK				LOG		
					INTERIOR INSULATION			EXT. INSUL.	R-VALUE	WOOD FR	R-VALUE	BLOCK			
									0-6.9	2.4	0-2.9	1.0			
R-VALUE	EXT	ADJ	EXT	ADJ	R-VALUE	EXT	ADJ	EXT	7-10.9	.6	3-6.9	.6	R-VALUE	6 INCH	8 INCH
0-6.9	5.5	2.2	7.6	2.8	0-2.9	2.2	1.1	2.2	11-18.9	.4	7-9.9	.4	0-2.9	1.5	1.0
7-10.9	2.1	.8	3.5	1.3	3-4.9	1.3	.8	.8	19-25.9	.2	10 & UP	.2	3-6.9	1.0	.7
11-12.9	1.7	.7	2.7	1.0	5-6.9	1.0	.7	.5	26 & UP	.1			7 & UP	.8	.6
13-18.9	1.5	.6	2.5	0.9	7-10.9	.7	.5	.3							
19-25.9	.9	.4	2.2	0.8	11-18.9	.4	.4	0							
26 & UP	.6	.2	1.2	0.4	19-25.9	.2	.2								
					26 & UP	.1	.1								

4-3 DOOR SUMMER POINT MULTIPLIERS (SPM)

DOOR TYPE	EXTERIOR	ADJACENT
WOOD	6.1	2.4
INSULATED	4.1	1.6

6A-4 CEILING SUMMER POINT MULTIPLIERS (SPM)

UNDER ATTIC		SINGLE ASSEMBLY		CONCRETE DECK ROOF		
R-VALUE	SPM	R-VALUE	SPM	CEILING TYPE		
19-21.9	2.34	10-10.9	8.49	R-VALUE	EXPOSED	DROPPED
22-25.9	2.11	11-12.9	7.97	10-13.9	9.13	8.47
26-29.9	1.89	13-18.9	7.14	14-20.9	6.80	6.45
30-37.9	1.73	19-25.9	5.64	21 & UP	4.92	4.63
38 & UP	1.52	26-29.9	4.75			
RBS Credit	0.700	30 & UP	4.40			
IRCC Credit	0.849					
White Roof Credit	0.550					

4-5 FLOOR SUMMER POINT MULTIPLIERS (SPM)

SLAB-ON-GRADE EDGE INSULATION		RAISED CONCRETE		RAISED WOOD			
R-VALUE	SPM	R-VALUE	SPM	POST OR PIER CONSTRUCTION	STEM WALL w/UNDER FLOOR INSULATION	ADJACENT	
0-2.9	-41.2	0-2.9	-.8	0-6.9	2.80	-4.7	2.2
3-4.9	-37.2	3-4.9	-1.3	7-10.9	1.34	-2.3	.8
5-6.9	-36.2	5-6.9	-1.3	11-18.9	1.06	-1.9	.7
7 & UP	-35.7	7 & UP	-1.3	19 & UP	.77	-1.5	.4

4-6 INFILTRATION & INTERNAL GAINS (SPM)

Air Infiltration	3.44
Internal Gains	+6.77
Infiltration/Internal Gains (Combined)	10.21

6A-8 DUCT MULTIPLIERS (DM)

SUPPLY DUCTS IN:	DUCT R-VALUE	RETURN DUCTS IN:				
		Unconditioned space	Attic/RBS	Attic/IRCC	Attic/Cool roof	Conditioned space
Unconditioned Space	4.2	1.118	1.111	1.112	1.089	1.107
	6.0	1.090	1.084	1.085	1.066	1.081
	8.0	1.071	1.066	1.067	1.051	1.064
Attic/Radiant Barrier (RBS)	4.2	1.072	1.066	—	—	1.061
	6.0	1.056	1.051	—	—	1.047
	8.0	1.045	1.041	—	—	1.037
Attic/Interior Radiation Control Coatings (IRCC)	4.2	1.099	—	1.092	—	1.084
	6.0	1.076	—	1.071	—	1.065
	8.0	1.061	—	1.057	—	1.052
Attic/Cool Roof	4.2	1.068	—	—	1.096	1.057
	6.0	1.051	—	—	1.071	1.043
	8.0	1.040	—	—	1.055	1.034
Conditioned Space	4.2	1.006	1.005	1.007	1.008	1.000
	6.0	1.005	1.004	1.005	1.006	1.000
	8.0	1.004	1.003	1.004	1.005	1.000

4-7 AIR HANDLER MULTIPLIERS (SPM)

Located in garage	1.00
Located in conditioned area	0.91
Located on exterior of building	1.02
Located in attic	1.11

4-9 COOLING SYSTEM MULTIPLIERS (CSM)

SYSTEM TYPE		COOLING SYSTEM MULTIPLIERS (CSM)										
Central Units (SEER)	Rating		7.5-7.9	8.0-8.4	8.5-8.8	8.9-9.4	9.5-9.9	10.0-10.4	10.5-10.9	11.0-11.4	11.5-11.9	12.0-12.4
	CSM		.45	.43	.40	.38	.36	.34	.32	.31	.30	.28
PAC & Room Units (EER)	Rating	12.5-12.9	13.0-13.4	13.5-13.9	14.0-14.4	14.5-14.9	15.0-15.4	15.5-15.9	16.0-16.4	16.5-16.9	17.0-17.4	17.5 & UP
	CSM	.27	.26	.25	.24	.24	.23	.22	.21	.21	.20	.19

3A-10 WINTER OVERHANG FACTORS (WOF)

SELECT BY OR	OH Ratio	.00-.11	.12-.17	.18-.26	.27-.35	.36-.46	.47-.57	.58-.70	.71-.83	.84-1.18	1.19-1.72	1.73-2.73	2.74 & up
	North	1.00	1.000	1.001	1.003	1.005	1.009	1.011	1.014	1.016	1.021	1.024	1.027
	Northeast	1.00	0.998	1.001	1.008	1.015	1.023	1.029	1.035	1.040	1.049	1.056	1.061
	East	1.00	1.007	1.018	1.040	1.069	1.109	1.150	1.198	1.242	1.338	1.429	1.507
	Southeast	1.00	1.014	1.043	1.111	1.202	1.332	1.472	1.635	1.787	2.113	2.412	2.650
	South	1.00	0.994	1.032	1.142	1.308	1.563	1.845	2.175	2.471	3.042	3.450	3.661
	Southwest	1.00	1.006	1.025	1.070	1.131	1.217	1.308	1.413	1.508	1.708	1.888	2.031
	West	1.00	1.002	1.010	1.027	1.049	1.077	1.102	1.128	1.149	1.187	1.217	1.238
	Northwest	1.00	0.999	1.000	1.004	1.008	1.012	1.016	1.019	1.022	1.028	1.032	1.036
	OH Length	0.0'	1.0'	1.5'	2.0'	3.0'	3.5'	4.5'	5.5'	6.5'	9.5'	14.0'	20.0'

3A-11 WALL WINTER POINT MULTIPLIERS (WPM)

FRAME					CONCRETE BLOCK (NORMAL WT)				FACE BRICK				LOG		
									R-VALUE	WOOD FR	R-VALUE	BLOCK			
									0-6.9	12.6	0-2.9	7.9			
R-VALUE	WOOD		STEEL		R-VALUE	INTERIOR INSULATION		EXT. INSUL.	7-10.9	4.2	3-6.9	5.7	R-VALUE	6 INCH	8 INCH
0-6.9	11.1	10.4	15.1	13.1	0-2.9	11.2	6.8	11.2	11-18.9	3.5	7-9.9	3.8	0-2.9	4.5	3.0
7-10.9	4.4	4.4	7.3	6.6	3-4.9	7.3	5.1	5.6	19-25.9	2.2	10 & UP	3.0	3-6.9	2.8	2.2
11-12.9	3.7	3.6	5.7	5.2	5-6.9	5.7	4.2	4.3	26 & UP	1.4			7 & UP	2.1	1.7
13-18.9	3.4	3.3	5.2	4.9	7-10.9	4.6	3.5	3.3							
19-25.9	2.2	2.2	4.6	4.4	11-18.9	3.0	2.6	2.2							
26 & Up	1.5	1.5	2.7	2.6	19-25.9	1.9	1.7								
					26 & UP	1.3	1.2								

A-19 COOLING CREDIT MULTIPLIERS

SYSTEM TYPE	Cooling credit multipliers (CCM)
Ceiling Fans	.95*
Cross Ventilation	.95*
Whole House Fan	.95*
Multizone	.95
Programmable Thermostat	.95

*Credit may be taken for only one system type concurrently.

6A-20 AIR DISTRIBUTION SYSTEM CREDIT MULTIPLIERS

TYPE CREDIT	Prescriptive requirements	Multiplier
Air-tight Duct Credit ¹	Appx G-C5.2.2.1.1	1.00
Factory-sealed AHU Credit ²	Appx G-C5.2.2.1.2	0.95

¹Duct Sealing Multiplier (DSM) shall be 1.15 (summer) or 1.17 (winter) unless Air-tight Duct Credit is demonstrated by test report.

²Multiply Factory-sealed AHU credit by summer (Table 6A-7) or winter (Table 6A-16) AHU multiplier. Insert total in the "As-Built AHU" box on page 2 or 4.

A-21 HEATING CREDIT MULTIPLIERS (HCM)

SYSTEM TYPE	HEATING CREDIT MULTIPLIERS (HCM)	
Programmable Thermostat	HCM	.95
Multizone	HCM	.95

A-22 HOT WATER MULTIPLIERS (HWM)

SYSTEM TYPE									
Electric Resistance	EF	.80-.81	.82-.83	.84-.85	.86-.87	.88-.90	.91-.93	.94-.96	.97 & Up
	HWM	3020	2946	2876	2809	2746	2655	2571	2491
Gas Water Heating	EF	.54	.55	.56	.57	.58	.59	.60	.61
	HWM	3020	2946	2876	2809	2746	2655	2571	2491
	EF	.62-.63	.64-.65	.66-.70	.71-.75	.76-.80	.81-.83	.84-.86	.87 & Up
	HWM	2346	2217	2101	1738	1456	1196	1055	933

A-23 HOT WATER CREDIT MULTIPLIERS (HWCM)

SYSTEM TYPE	HOT WATER CREDIT MULTIPLIERS (HWCM)					
Heat Recovery Unit	With	Air Conditioner			Heat Pump	
	HWCM	.84			.78	
Add-on Dedicated Heat Pump (without tank)	EF	2.0-2.49	2.5-2.99	3.0-3.49		3.5 & Up
	HWCM	.44	.35	.29		.25
Add-on Solar Water Heater (without tank)	EF	1.0-1.9	2.0-2.9	3.0-3.9	4.0-4.9	5.0 & Up
	HWCM	.84	.42	.28	.21	.17

NOTE: An HWM must be used in conjunction with all HWCM. See Table 6A-22. EF Means Energy Factor.

A-24 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Max: 3 cfm/sq. ft. window area; .5cfm/sq. ft. door area.	
Exterior & Adjacent Walls	N1106.AB.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; CFM utility penetrations; between wall panels & top/bottom plates; between walls & floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	N1106.AB.1.2.2	Penetrations/openings > 1/8" sealed unless backed by truss or joist members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	N1106.AB.1.2.3	Seal: Between walls & ceilings: penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	N1106.AB.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with <2.0 cfm from conditioned space, tested.	
Multiple Story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

A-25 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N1112.AB.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required for vertical pipe risers.	
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools must have covers (except solar heated). Noncommercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower Heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 psig.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section N1110. Ducts in unconditioned attics: R-6 minimum insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings—Min. R-19. Common walls—Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

The lower the Energy Performance Index, the more efficient the home.

The lower the Energy Performance Index, the more efficient the home.

New Home or addition	NEW	11. Ducts, Location & Insulation Level	
Single family or multiple family	SINGLE	a. Supply ducts: <u>ATTIC</u>	R= <u>6</u>
Number of units, (if multi-family)		b. Return ducts: <u>ATTIC</u>	R= <u>6</u>
Number of bedrooms	<u>4</u>	12. Cooling systems	Capacity: <u>47</u> KBTUH
Is this a worst case? (yes or no)	<u>YES</u>	a. Split system	SEER: <u>13</u>
Conditioned floor area	<u>2257</u> sq. ft.	b. Single package	SEER: _____
Glass type & area		c. Ground/water source	COP: _____
a. U-Factor: _____	<u>320.1</u> sq. ft.	d. Room unit	EER: _____
(Or single or double Default)	<u>DOUBLE</u> sq. ft.	e. PTAC	EER: _____
b. SHGC: _____	_____ sq. ft.	f. Gas-driven	COP: _____
(Or clear or tint Default)	<u>CLEAR</u> sq. ft.	13. Heating Systems	Capacity: <u>47</u> KBTUH
Floor types, Insulation level		a. Split system heat pump	HSPF: <u>7.9</u>
a. Slab-on-grade, edge insulation	R= <u>0</u>	b. Single package heat pump	HSPF: _____
b. Wood, raised	R= _____	c. Electric resistance	COP: _____
c. Concrete, raised	R= _____	d. Gas furnace, natural gas	AFUE: _____
Wall types, Insulation level		e. Gas furnace, LPG	AFUE: _____
Exterior	<u>13</u>	f. Gas-driven heat pump	Recov. EFF.: _____
a. Wood frame	R= _____	14. Water heating systems	
b. Metal frame	R= _____	a. Electric resistance	EF: <u>94</u>
c. Concrete block	R= _____	b. Gas fired, natural gas	EF: _____
d. Log	R= _____	c. Gas fired, LPG	EF: _____
e. Other _____	R= _____	d. Solar System with tank	EF: _____
Adjacent	<u>13</u>	e. Dedicated heat pump with tank	EF: _____
a. Wood frame	R= _____	f. Heat recovery unit	HeatRec% _____
b. Metal frame	R= _____	g. Other: _____	_____
c. Concrete block	R= _____	15. HVAC credits claimed (Alternate Point System Method only)	
d. Log	R= _____	a. Ceiling fans	_____
e. Other _____	R= _____	b. Cross ventilation	_____
1. Ceiling types, Insulation level		c. Whole house fan	_____
a. Under attic	R= <u>30</u>	d. Multizone cooling credit	_____
b. Single assembly	R= _____	e. Multizone heating credit	_____
c. Knee walls/skylight walls	R= _____	f. Programmable thermostat	<u>X</u>
d. Radiant barrier installed	R= _____		

Address of New Home: 877 SW Mandi'Be Dr

Date: 4/17/11
City/FL Zip: LC FL 32024

Residential System Sizing Calculation

Summary

Lester

Project Title: 1111033

Lake City, FL

Class 3 Rating
Registration No. 0
Climate: North

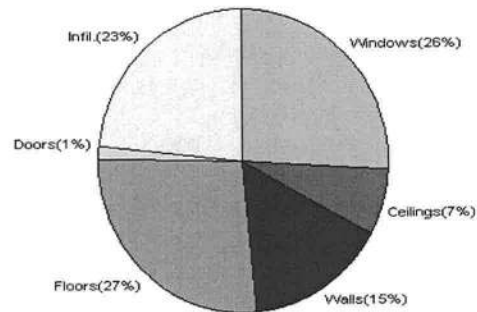
11/15/2011

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	39416	Btuh	Total cooling load calculation	36489	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	119.2	47000	Sensible (SHR = 0.75)	114.9	35250
Heat Pump + Auxiliary(0.0kW)	119.2	47000	Latent	202.4	11750
			Total (Electric Heat Pump)	128.8	47000

WINTER CALCULATIONS

Winter Heating Load (for 2257 sqft)

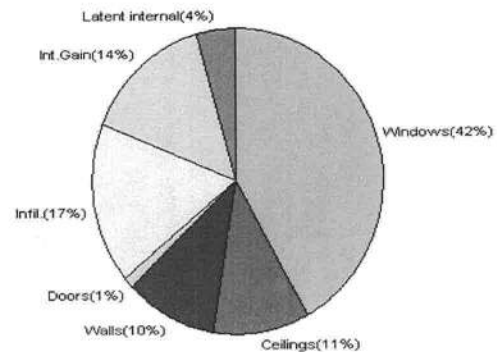
Load component		Load	
Window total	320 sqft	10304	Btuh
Wall total	1846 sqft	6061	Btuh
Door total	39 sqft	511	Btuh
Ceiling total	2370 sqft	2793	Btuh
Floor total	245 sqft	10697	Btuh
Infiltration	223 cfm	9051	Btuh
Duct loss		0	Btuh
Subtotal		39416	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		39416	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2257 sqft)

Load component		Load	
Window total	320 sqft	15284	Btuh
Wall total	1846 sqft	3705	Btuh
Door total	39 sqft	387	Btuh
Ceiling total	2370 sqft	3925	Btuh
Floor total		0	Btuh
Infiltration	115 cfm	2142	Btuh
Internal gain		5240	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		30683	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		4207	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1600	Btuh
Total latent gain		5807	Btuh
TOTAL HEAT GAIN		36489	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE: 2011-11-15 E/AN B...

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Lester

Project Title:
1111033

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

11/15/2011

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	72.0	32.2	2318 Btuh
2	2, Clear, Metal, 0.87	NE	15.0	32.2	483 Btuh
3	2, Clear, Metal, 0.87	NW	26.7	32.2	859 Btuh
4	2, Clear, Metal, 0.87	SW	36.0	32.2	1159 Btuh
5	2, Clear, Metal, 0.87	NW	15.0	32.2	483 Btuh
6	2, Clear, Metal, 0.87	NE	2.7	32.2	87 Btuh
7	2, Clear, Metal, 0.87	NE	30.0	32.2	966 Btuh
8	2, Clear, Metal, 0.87	SE	12.0	32.2	386 Btuh
9	2, Clear, Metal, 0.87	SE	26.7	32.2	859 Btuh
10	2, Clear, Metal, 0.87	SE	36.0	32.2	1159 Btuh
11	2, Clear, Metal, 0.87	SE	16.0	32.2	515 Btuh
12	2, Clear, Metal, 0.87	SW	16.0	32.2	515 Btuh
13	2, Clear, Metal, 0.87	SW	16.0	32.2	515 Btuh
Window Total			320(sqft)		10304 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1596	3.3	5240 Btuh
2	Frame - Wood - Adj(0.09)	13.0	250	3.3	821 Btuh
Wall Total			1846		6061 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		7	12.9	88 Btuh
2	Insulated - Adjacent		19	12.9	247 Btuh
3	Insulated - Exterior		14	12.9	176 Btuh
Door Total			39		511 Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2370	1.2	2793 Btuh
Ceiling Total			2370		2793 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	245.0 ft(p)	43.7	10697 Btuh
Floor Total			245		10697 Btuh
Zone Envelope Subtotal:					30365 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.66	20313	223.4	9051 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				39416 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Lester

Project Title:
1111033

Class 3 Rating
Registration No. 0
Climate: North

Lake City, FL

11/15/2011

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	30683 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	30683 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	30683 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	4207 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	5807 Btuh
	TOTAL GAIN	36489 Btuh

*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1111-32 CONTRACTOR Bryan Zecher PHONE 752-8653
 THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name <u>Marc Matthews</u>	Signature <u>[Signature]</u>
	License #: <u>ER-0014352</u>	Phone #: <u>344-2029</u>
MECHANICAL/ A/C	Print Name <u>Louis Weeks/Glen Jones, Inc</u>	Signature <u>[Signature]</u>
	License #: <u>CAC-051486</u>	Phone #: <u>752-5381</u>
PLUMBING/ GAS	Print Name <u>Buck Boyette</u>	Signature <u>[Signature]</u>
	License #: <u>CFCO 21540</u>	Phone #: <u>(386) 752-0776</u>
ROOFING	Print Name <u>Mac Johnson</u>	Signature <u>(see attached)</u>
	License #: <u>RC0061384</u>	Phone #: <u>352-472-4943</u>
SHEET METAL	Print Name <u>N/A</u>	Signature _____
	License #: _____	Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name <u>N/A</u>	Signature _____
	License #: _____	Phone #: _____
SOLAR	Print Name <u>N/A</u>	Signature _____
	License #: _____	Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	000097	Kenneth Loudon	[Signature]
CONCRETE FINISHER	00063	Darrell Spradley	[Signature]
FRAMING	CBC054575	Bryan Zecher	
INSULATION	00240	Will Sykes	
STUCCO		N/A	
DRYWALL	000686	Joe Maddox	[Signature]
PLASTER		N/A	
CABINET INSTALLER	CBC054575	Bryan Zecher	
PAINTING	000330	Bobby Touchton	[Signature]
ACOUSTICAL CEILING		N/A	
GLASS		N/A	
CERAMIC TILE	000188	Ron Humphrey	[Signature]
FLOOR COVERING	710	Mark Vann	[Signature]
ALUM/VINYL SIDING	000166	Mike Nicholson	
GARAGE DOOR	542138191	Richard Horne	
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

ATTN: Adrea

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1111-32 CONTRACTOR Bryan Zecher PHONE 752-8653

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Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C _____	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
✓ ROOFING 187	Print Name <u>Mac Johnson Roofing Inc</u> License #: <u>RC 0061384</u>	Signature <u>Mac Johnson</u> Phone #: <u>352-472-4943</u>
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; Identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

Contractor Form; Subcontractor form: 6/09

386-758-8920

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER

1111-32

CONTRACTOR

Bryan LeGla

PHONE

752-8653

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C _____	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	000844	South Point Masonry Inc	Jim Dixon
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL	000345	Kim Heitzman	Kim Heitzman
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

SUBCONTRACTOR VERIFICATION FORM

 APPLICATION NUMBER 1111-32 CONTRACTOR Bryson Beeler PHONE 752-8653

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

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Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name <u>Marc Matthews</u> License #: <u>ER-0014352</u>	Signature _____ Phone #: <u>344-2029</u>
MECHANICAL/ A/C <u>487</u>	Print Name <u>Glenn Jones</u> License #: <u>CAC-051486</u>	Signature _____ Phone #: <u>867-0424</u>
PLUMBING/ GAS	Print Name <u>Wolfe Plumbing</u> License #: <u>CFC 051621</u>	Signature _____ Phone #: <u>623-7798</u>
ROOFING	Print Name <u>Mac Johnson</u> License #: <u>RC 0061384</u>	Signature _____ Phone #: <u>352-472-4943</u>
SHEET METAL	Print Name <u>N/A</u> License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name <u>N/A</u> License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name <u>N/A</u> License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER	PL053658263-0	Permit Ent (623-0500)	
FRAMING			
INSULATION	<u>000240</u>	<u>Sykes Insulation (365-1404)</u>	
STUCCO	<u>0256</u>	<u>Ron David (623-0547)</u>	
DRYWALL	<u>000345</u>	<u>Kim Heitzman (365-0103)</u>	
PLASTER	<u>N/A</u>	<u>Bryson Beeler Cast</u>	
CABINET INSTALLER <u>853</u>	<u>C0004575</u>	_____ (904-000000)	<u>Beeler</u>
PAINTING	<u>000330</u>	<u>Bobby Touchton (466-4680)</u>	<u>Beeler</u>
ACOUSTICAL CEILING	<u>N/A</u>		
GLASS	<u>N/A</u>		
CERAMIC TILE		<u>- DIDN'T ACTIVATE -</u>	
FLOOR COVERING	<u>710</u>	<u>Mark Vann (Brown Vann)</u>	<u>Mark Vann</u>
ALUM/VINYL SIDING	<u>000166</u>	<u>Mike Nicholson (623-2376)</u>	
GARAGE DOOR <u>?</u>	<u>000099</u>	<u>D+D Garage Drs (Kevin)</u>	<u>Kevin D+D</u>
METAL BLDG ERECTOR	<u>N/A</u>		

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SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR _____ PHONE _____

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CRITICAL 76	Print Name: Marc Matthews Cleed License #: ER-0014352	Signature: <i>Marc Matthews</i> Phone #: 344-2029
MECHANICAL/	Print Name: Harry's Heating Air License #: 000 327	Signature: (see attached) Phone #: 386-752-2308
PLUMBING/	Print Name: Rayette Plumbing License #: CFCO 000000 21540	Signature: Rayette Phone #:
ROOFING	Print Name: Mac Johnson License #: RC0061384	Signature: (see attached) Phone #: 352-472-4943
WELD METAL	Print Name: N/A License #:	Signature: Phone #:
PIPE SYSTEM/ FIRE ALARM	Print Name: N/A License #:	Signature: Phone #:
GLAZING	Print Name: N/A License #:	Signature: Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	000287	Southpoint Masonry	<i>P. Dixon</i>
CONCRETE FINISHER	00201	Darrell Spradley	<i>Darrell</i>
PAINTING 853	CBC054575	Bryan Zeher	<i>Bryan</i>
INSULATION	000240	Sykes Insulation	<i>Art</i>
DUCTWORK		N/A	
DRYWALL	CBC054575	Joe Mackel/Bryan Zeher	<i>Joe</i>
ASTER		N/A	
CABINET INSTALLER 853	CBC054575	Bryan Zeher	<i>Bryan</i>
PAINTING			
ACOUSTICAL CEILING		N/A	
GLASS		N/A	
CERAMIC TILE	000188	Ron Hargis	<i>Ron</i>
FLOOR COVERING		Eddy Korte - Brown Van	<i>Eddy</i>
CUM/VINYL SIDING	000166	Mike Nickerson	<i>Mike R. Nickerson</i>
GARAGE DOOR		Richard Horn	<i>Richard</i>
METAL BLDG ERECTOR		N/A	

S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

Columbia County Building Permit Application

For Office Use Only		Application # <u>1111-32</u>	Date Received <u>11/21/11</u>	By <u>CH</u>	Permit # <u>1921/29790</u>
Zoning Official <u>BLK</u>	Date <u>28 Nov 2011</u>	Flood Zone <u>X</u>	Land Use <u>A-3</u>	Zoning <u>PRRD</u>	
FEMA Map # <u>N/A</u>	Elevation <u>N/A</u>	MFE <u>89.0'</u>	River <u>N/A</u>	Plans Examiner <u>Z.C.</u>	Date <u>11-23-11</u>
Comments <u>MFE Required by Plat, Elevation Confirmation Letter Required before S/AB</u>					
☒ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☒ Well letter ☐ 911 Sheet ☐ Parent Parcel # _____ ☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter _____					
IMPACT FEES: EMS _____		Fire _____	Corr _____	☒ Sub VF Form	
Road/Code _____		School _____	= TOTAL (Suspended) _____	☒ App Fee Paid	

Septic Permit No. 11-0474 Fax 758-8920

Name Authorized Person Signing Permit Bryan Zecher Phone 752-8653

Address PO Box 815 LC, FL 32056

Owners Name Robby + Lou Lester Phone 850-866-1230

911 Address 877 SW Mandibea Dr Lake City, FL 32024

Contractors Name Bryan Zecher Homes Phone 752-8653

Address PO Box 815 LC, FL 32056

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address AdH Homes / Mark Disoway PO Box 868 LC 32056

Mortgage Lenders Name & Address 1st Federal, US 90 W, LC, FL 32055

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy

Property ID Number 18-55-09280-129 Estimated Cost of Construction 204,600

Subdivision Name The Oaks of Lake City Lot 29 Block _____ Unit _____ Phase _____

Driving Directions US 441 S to CR 131, T/R go 7 miles

T/R into the Oaks of LC, go to stop sign / T/L

on Mandibea, Job on Left Number of Existing Dwellings on Property 0

Construction of New Home Total Acreage 1 ac Lot Size _____

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height _____

Actual Distance of Structure from Property Lines - Front 65 Side 46 Side 46 Rear 140

Number of Stories 1 Heated Floor Area 2257 Total Floor Area 3197 Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. **CODE: Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code.**

- The sent/32 Jul "29-11" - explained 2 min what is needed. 11-29-11 - OK. Then that we will be doing work on it.

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

(Owners Must Sign All Applications Before Permit Issuance.)

Owners Signature _____

****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

Contractor's Signature (Permitee) _____

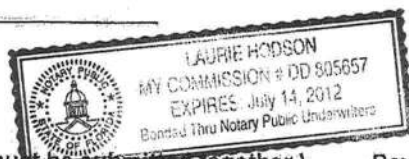
Contractor's License Number CBC054575
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 21 day of Nov 20 11

Personally known _____ or Produced Identification _____

State of Florida Notary Signature (For the Contractor) _____

SEAL:



SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER

1111-32

CONTRACTOR

Bryan Zecher

PHONE

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ELECTRICAL	Print Name: Marc Matthews License #: ER-0014352	Signature: [Signature] Phone #: 344-2029
MECHANICAL/ A/C ☒	Print Name: Glenn Jones License #: CAC-051486	Signature: [Signature] Phone #: 867-0424
PLUMBING/ GAS	Print Name: Wolfe Plumbing License #: CFC 051621	Signature: [Signature] Phone #: 623-7798
ROOFING	Print Name: Mac Johnson License #: RC 0061384	Signature: [Signature] Phone #: 352-472-4943
SHEET METAL	Print Name: N/A License #:	Signature: [Signature] Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name: N/A License #:	Signature: [Signature] Phone #:
SOLAR	Print Name: N/A License #:	Signature: [Signature] Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER	PL2053658263-0	Perrish Ent (623-0500)	
FRAMING			
INSULATION	000240	Sykes Insulation (365-1404)	
STUCCO	0256	Ron David (623-0547)	
DRYWALL	000345	Kim Heitman (365-0103)	
PLASTER	N/A		
CABINET INSTALLER		Marble Today (904-614-9845)	
PAINTING	000330	Bobby Touchton (466-4680)	[Signature]
ACOUSTICAL CEILING	N/A		
GLASS	N/A		
CERAMIC TILE	CB054575	Bryan Zecher Const.	[Signature]
FLOOR COVERING	710	Mark Vann (Brown Vann)	[Signature]
ALUM/VINYL SIDING	000166	Mike Nicholson (623-2376)	[Signature]
GARAGE DOOR	000099	D+D Garage Drs (Kevin)	[Signature]
METAL BLDG ERECTOR	N/A		

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

Contractor Form: Subcontractor Form: 6/08

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____

CONTRACTOR _____

PHONE _____

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name _____ License # _____	Signature _____ Phone # _____
MECHANICAL/ A/C _____	Print Name _____ License # _____	Signature _____ Phone # _____
* PLUMBING/ GAS	Print Name <u>Wolfe Plumbing</u> License # <u>CF051621</u>	Signature <u>[Signature]</u> Phone # <u>316 935-0612</u>
ROOFING	Print Name _____ License # _____	Signature _____ Phone # _____
SHEET METAL	Print Name _____ License # _____	Signature _____ Phone # _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License # _____	Signature _____ Phone # _____
SOLAR	Print Name _____ License # _____	Signature _____ Phone # _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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JOB NUMBER: 1111033	
FINALS DATE: 14Nov11	
DRAWN BY: David Disoway	
PRINTED DATE: January 31 2012	
Mark Disoway P.E. P.O. Box 868 Lake City, Florida 32056 Phone: (386) 754 - 5419 Fax: (386) 269 - 4871	
ADDRESS: Columbia County, FL Lester Residence	
Bryan Zecher Construction	

WINDLOAD ENGINEER:
 Mark Disoway, P.E.
 No. 83978, P.O. Box 868, Lake City, FL 32056
 386-754-5419

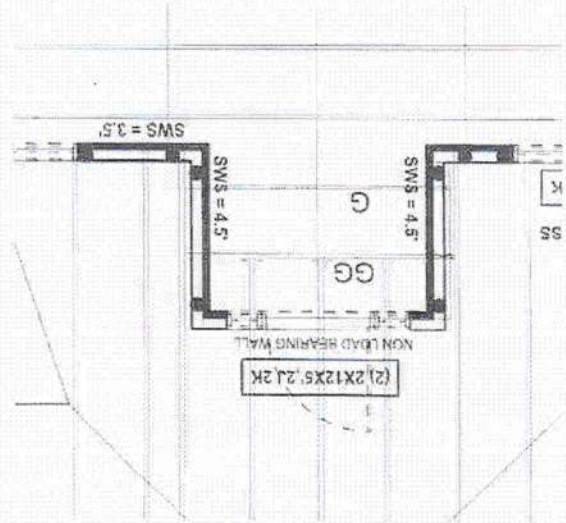
DIMENSIONS:
 Standard dimensions specified in code
 dimensions. Refer all questions to
 Mark Disoway, P.E. for resolution.
 Do not proceed without clarification.

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 Mark Disoway, P.E. hereby expressly
 reserves all copyright and property
 rights in these documents of service.
 This document is not to be reproduced, stored
 or copied in any form or manner without the
 express written permission and consent
 of Mark Disoway.

CERTIFICATION: I hereby certify that I have
 examined this plan and that the applicable
 portions of the plan, relating to
 wind engineering comply with section
 K301.2, Florida Building Code,
 residential 2007, and the applicable
 provisions of the building code.
 Mark Disoway, P.E. 30915

LIMITATION: This design is valid for one
 building at specified location.

P.E. 30915
 Mark Disoway, P.E.
 30915



#29790